



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Great Plains Regional Office
115 Fourth Avenue S.E.
Aberdeen, South Dakota 57401



IN REPLY REFER TO:

DESCRM

MC-208

FEB 02 2011

MEMORANDUM

TO: Superintendent, Fort Berthold Agency

FROM: ^{Acting} Regional Director, Great Plains Region *Marilyn Bercier*

SUBJECT: Environmental Assessment Addendum and Finding of No Significant Impact

In compliance with the regulations of the National Environmental Policy Act (NEPA) of 1969, as amended, for an Addendum to Environmental Assessment to Authorize Land Use for gathering pipeline system originating from Questar MHA #2-09-04H well pad and joining existing Arrow (Phase 2E – BIA 12) gathering system on the Fort Berthold Reservation, an Addendum has been completed and a Finding of No Significant Impact (FONSI) has been issued.

All the necessary requirements of the National Environmental Policy Act have been completed. Attached for your files is a copy of the EA Addendum, FONSI and Notice of Availability. The Council on Environmental Quality (CEQ) regulations require that there be a public notice of availability of the FONSI (1506.6(b)). Please post the attached notice of availability at the Agency and Tribal buildings for 30 days.

If you have any questions, please call Marilyn Bercier, Regional Environmental Scientist, Division of Environment, Safety and Cultural Resources Management, at (605) 226-7656.

Attachment

cc: Tex Hall, Chairman, Three Affiliated Tribes (with attachment)
Elgin Crows Breast, Tribal Historic Preservation Officer (with attachment)
Derek Enderud, BLM, Dickenson, ND (with attachment)
John Shelman, US Army Corps of Engineers
Jeffrey Hunt, Virtual One Stop Shop

Notice of Availability and Appeal Rights

**ARROW PIPELINE: Addendum to authorize land use for Arrow Pipeline Questar MHA #2-06-01H
Gathering pipeline**

The Bureau of Indian Affairs (BIA) is planning to issue administrative approvals related to an Addendum to Environmental Assessment to Authorize Land Use for Gathering Pipelines Connecting the Questar MHA #2-06-01H Well Pad to the existing Arrow (Phase 2E – BIA 13) Pipeline as shown on the attached map. Construction by Arrow Pipeline, LLC is expected to begin in the Spring of 2011.

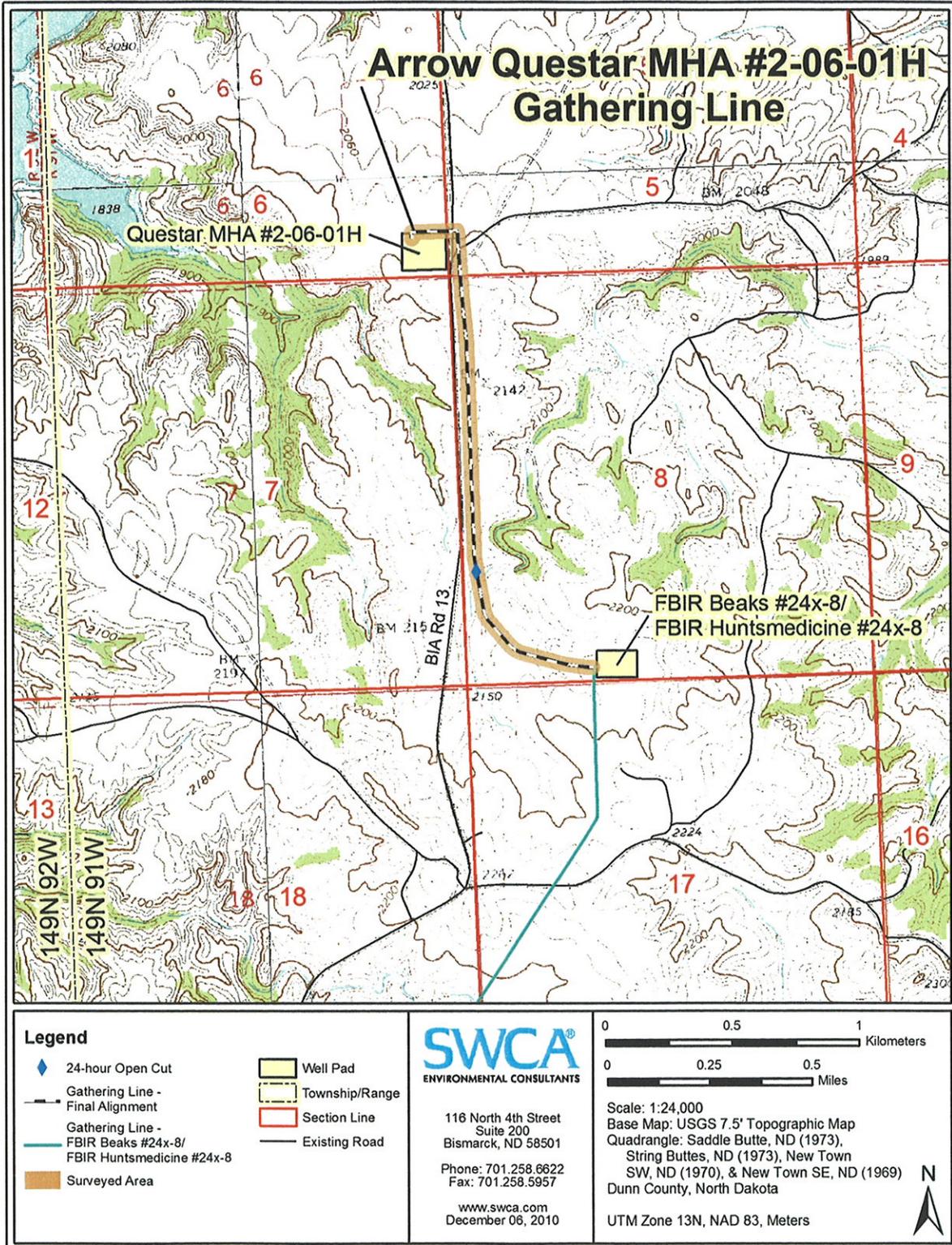
An environmental assessment (EA) determined that proposed activities will not cause significant impacts to the human environment. An environmental impact statement is not required. Contact Howard Bemer, Superintendent at 701-627-4707 for more information and/or copies of the EA and the Finding of No Significant Impact (FONSI).

The FONSI is only a finding on environmental impacts – it is not a decision to proceed with an action and *cannot* be appealed. BIA’s decision to proceed with administrative actions *can* be appealed until February 3, 2011, by contacting:

**United States Department of the Interior
Office of Hearings and Appeals
Interior Board of Indian Appeals
801 N. Quincy Street, Suite 300, Arlington, Va 22203.**

Procedural details are available from the BIA Fort Berthold Agency at 701-627-4707.

Project locations



**ENVIRONMENTAL ASSESSMENT
Addendum**

United States Bureau of Indian Affairs

**Great Plains Regional Office
Aberdeen, South Dakota**



Arrow Pipeline, LLC

**Addendum to Environmental Assessment to Authorize Land Use for
Arrow Pipeline Questar MHA #2-06-01H Gathering Pipeline**

Fort Berthold Indian Reservation

February 2011

For information contact:
Bureau of Indian Affairs, Great Plains Regional Office
Division of Environment, Safety and Cultural Resources Management
115 4th Avenue SE, Aberdeen, South Dakota 57401
(605) 226-7656

**Finding of No Significant Impact
Arrow Pipeline, LLC**

**Addendum to Environmental Assessment to Authorize Land Use for Arrow Pipeline Questar MHA
#2-06-01H Gathering Pipeline**

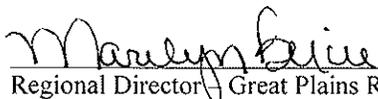
The U.S. Bureau of Indian Affairs (BIA) received a proposal to construct and install an oil, gas, and produced water gathering pipeline system on tribal land originating from the Questar MHA #2-06-01H well pad and joining the existing Arrow Pipeline, LLC Oil, Gas & Water Gathering System Phase 2E - BIA 13 (Arrow Phase 2E-BIA 13 Gathering System). Associated federal actions by BIA include determinations of effect regarding cultural resources and approvals of leases, rights-of-way and easements.

Potential of the proposed action to impact the human environment is analyzed in the attached Environmental Assessment (EA), as required by the National Environmental Policy Act. Based on the recently completed addendum to the EA, I have determined the proposed project will not significantly affect the quality of the human environment. No Environmental Impact Statement is required for any portion of the proposed activities.

This determination is based on the following factors:

1. Agency and public involvement was solicited and environmental issues related to the proposal were identified.
2. Protective and prudent measures were designed to minimize impacts to air, water, soil, vegetation, wetlands, wildlife, water resources, and cultural resources. The potential for impacts was disclosed for both the proposed action and the No Action alternative.
3. Guidance from the U.S. Fish and Wildlife Service has been fully considered regarding wildlife impacts, particularly in regard to threatened or endangered species. This guidance includes the Migratory Bird Treaty Act (16 U.S.C. 703 et seq.) (MBTA), the National Environmental Policy Act of 1969, as amended (42 U.S.C. 4321 et seq.) (NEPA), the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d, 54 Stat. 250) (BGEPA), Executive Order 13186 "Responsibilities of Federal Agencies to Protect Migratory Birds", and the Endangered Species Act (16 U.S.C. 1531 et seq.) (ESA).
4. The proposed action was designed to avoid adverse effects to historic, archaeological, cultural, and traditional properties, sites, and practices. The Tribal Historic Preservation Officer has concurred with BIA's determination that no historic properties will be affected.
5. Environmental justice was fully considered.
6. Cumulative effects to the environment are either mitigated or minimal.
7. No regulatory requirements have been waived or require compensatory mitigation measures.
8. The proposed project will improve the socioeconomic condition of the affected Indian community.

Acting


Regional Director, Great Plains Regional Office

2/2/11
Date

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A Pipeline Layout and Pipeline Right-of-Way for the Arrow Pipeline Questar MHA #2-06-01H Gathering Pipeline	
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1. Purpose and Need for the Proposed Action

QEP Resources, Inc. (Questar) is proposing to drill an exploratory oil and gas well (MHA #2-06-01H, formerly MHA #1-06H-149-91) on the Fort Berthold Indian Reservation to evaluate and possibly develop the commercial potential of natural resources. Developments have been proposed on land held in trust by the United States in Dunn County, North Dakota. The Bureau of Indian Affairs (BIA) is the surface management agency for potentially affected tribal lands and individual allotments. The BIA also holds title to subsurface mineral rights. The economic development of available resources and associated BIA actions are consistent with BIA's general mission. Leasing and development of mineral resources offers substantial economic benefits to the Three Affiliated Tribes of the Mandan, Hidatsa, and Arikara Nations and to individual tribal members.

The purpose of the proposed action is to authorize land use by Arrow Pipeline LLC, (Arrow) for the construction and installation of an oil, gas, and produced water gathering line system respectively consisting of three separate collocated pipelines, each no greater than 8 inches in diameter. The proposed gathering pipelines would transport oil, gas, and produced water from the productive well to markets and disposal facilities. A buried electrical line may be installed in the future.

2. Authorities

Oil and gas exploration and development activities are conducted under authority of the Indian Mineral Leasing Act of 1938 (25 United States Code [USC] 396a, et seq.), the Indian Mineral Development Act of 1982 (25 USC 2101, et seq.), and the Energy Policy Act of 2005 (42 USC 15801, et seq.).

3. Legal Land Description for Proposed Action

The Arrow Questar MHA #2-06-01H gathering pipeline would be located on tribal land originating from the north side of the well pad, approximately 15.4 miles east of Mandaree, North Dakota, in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 6, Township (T) 149 North (N), Range (R) 91 West (W), 5th Prime Meridian (P.M.), Dunn County, North Dakota, and terminating in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 8, T149N, R91W, 5th P.M., Dunn County, North Dakota (Figure 1).

4. Scope of Work for Proposed Action

Arrow proposes to construct and install an oil, gas, and produced water gathering pipeline system on tribal land originating from the Questar MHA #2-06-01H well pad and joining the existing Arrow Pipeline, LLC Oil, Gas & Water Gathering System Phase 2E - BIA 13 (Arrow Phase 2E-BIA 13 Gathering System). Individual oil, gas, and produced water pipelines would be buried either in two 2.5-foot-wide trenches, spaced 5 feet apart, or one 5-foot-wide trench. The oil and gas pipelines would be no greater than 8 inches in diameter and constructed of steel. The produced water pipeline would be no greater than 8 inches in diameter and constructed of Fiberspar[®] or similar material. Approximately 7,274 feet of oil, gas, and water line would be needed to connect the Questar MHA #2-06-01H well pad to the Arrow Phase

2E-BIA 13 Gathering System (Appendix A). All construction disturbance would occur within a 100-foot temporary right-of-way (ROW) and a permanent 50-foot ROW would be maintained between the Questar MHA #2-06-01H well pad and the Arrow Phase 2E-BIA 13 Gathering System, which has been surveyed for impacts to natural and cultural resources with no significant findings. In total, approximately 16.7 acres would be disturbed as a result of activities associated with the construction of the proposed gathering pipeline. The BIA requires the pipeline be permanently placed in the ground within 24 hours of trenching through a small ephemeral drainage (Figure 1). Pipeline plats are provided in Appendix A.

5. Surveys

SWCA Environmental Consultants (SWCA) conducted natural resource surveys for threatened and endangered species, migratory birds, bald and golden eagles, and wetlands on November 5 and 13, 2010. BIA Environmental Specialist Darryl Turrcotte approved the location of the gathering line on November 19, 2010. No threatened and endangered species, migratory birds or nests, or bald/golden eagles were observed during the natural resource survey. No wetland areas are anticipated to be impacted by the construction of the proposed access road.

A cultural resource inventory of this pipeline route was conducted by personnel of SWCA Environmental Consultants, using an intensive pedestrian methodology. Approximately 43.36 acres were inventoried between November 5 and 9, 2010 (Schleicher *et al.* 2010). Two archaeological sites were located that may possess the quality of integrity and meet at least one of the criteria (36 CFR 60.6) for inclusion on the National Register. As the lead federal agency, and as provided for in 36 CFR 800.5, on the basis of the information provided, BIA reached a determination of **no historic properties affected** for this undertaking as the archaeological sites will be avoided. This determination was communicated to the THPO on December 27, 2010; however the THPO did not respond within the allotted 30 day comment period.

Schleicher, Jolene, Chandler Herson and Judith Cooper
(2010) A Class I and Class III Cultural Resource Inventory of the Arrow Pipeline Questar MHA 2-6- 1H Gathering Pipeline on the Fort Berthold Indian Reservation, Dunn County, North Dakota. SWCA Environmental Consultants for Arrow Pipeline, LLC, Tulsa, OK.

6. Potential Effects

Potential direct impacts to cultural resource sites would occur as a result of disturbance and/or the loss of sites eligible for the National Register of Historic Places. All potential impacts as a result of the proposed action were mitigated via field survey and subsequent avoidance of any eligible cultural resource sites within the proposed ROW.

Potential direct impacts to natural resources may include the loss of native vegetation and wildlife habitat, soil disturbance, and erosion during construction that may adversely affect air and water quality. Impacts would be mitigated by using best management practices during construction to minimize disturbance. Once construction activities are completed, reclamation

would take place and would include the return of topsoil and contouring, and seeding of native vegetation.

Potential indirect impacts include noise and other disturbances to wildlife during construction and the introduction of noxious weeds. Impacts would be mitigated through avoidance of any federally listed threatened or endangered species or wetlands, avoidance of nesting migratory birds, implementation of best management practices to control the introduction of noxious weeds, and by minimizing the length of time between initial construction and reclamation of the ROW. These mitigation measures are consistent with the approved National Environmental Policy Act (NEPA) document, which received a finding of no significant impact (September 10, 2010).

Based on the completion of resource surveys, the supplementary assessment of the potential impacts of the proposed action, and the mitigation measures committed to by Arrow Pipeline LLC, no significant impacts to natural and cultural resources are anticipated.

7. Applicable National Environmental Policy Act (NEPA) Documents(s)

Environmental Assessment: *Arrow Pipeline, LLC Oil, Gas & Water Gathering System Phase 2E - BIA 13*.

8. Other Relevant Documentation

Environmental Assessment: Questar Exploration and Production, *Four Bakken Formation Exploratory Wells at Four Locations, MHA #1-06H-149-91, MHA #1-01-H-149-92, MHA #1-31H-150-91, MHA #1-06-31H-150-92*.

9. NEPA Adequacy Criteria

This document has identified a previously prepared NEPA document, Environmental Assessment: *Arrow Pipeline, LLC Oil, Gas & Water Gathering System Phase 2E - BIA 13*, which adequately describes the environmental consequences of the newly proposed action described herein, and meets the following NEPA Adequacy Criteria.

1. The proposed action is substantially the same action and at the site specifically analyzed in the existing NEPA document.
2. The range of alternatives is reasonable with respect to the current proposed action in the existing NEPA document, which appropriately considers and analyzes current environmental concerns, interests, and resource values.
3. The existing analysis and conclusions are adequate in the existing NEPA document. The analysis is still valid in light of new studies or resource assessment information.
4. The methodology and analytical approach used in the existing NEPA document continues to be appropriate for the proposed action.
5. The direct and indirect impacts of the proposed action are unchanged from those identified in the existing NEPA document.

6. The cumulative impacts that would result from implementation of the proposed action are unchanged from those analyzed in the existing NEPA document.
7. A 30-day comment period involving public input and interagency review was used in the development of the existing NEPA document.

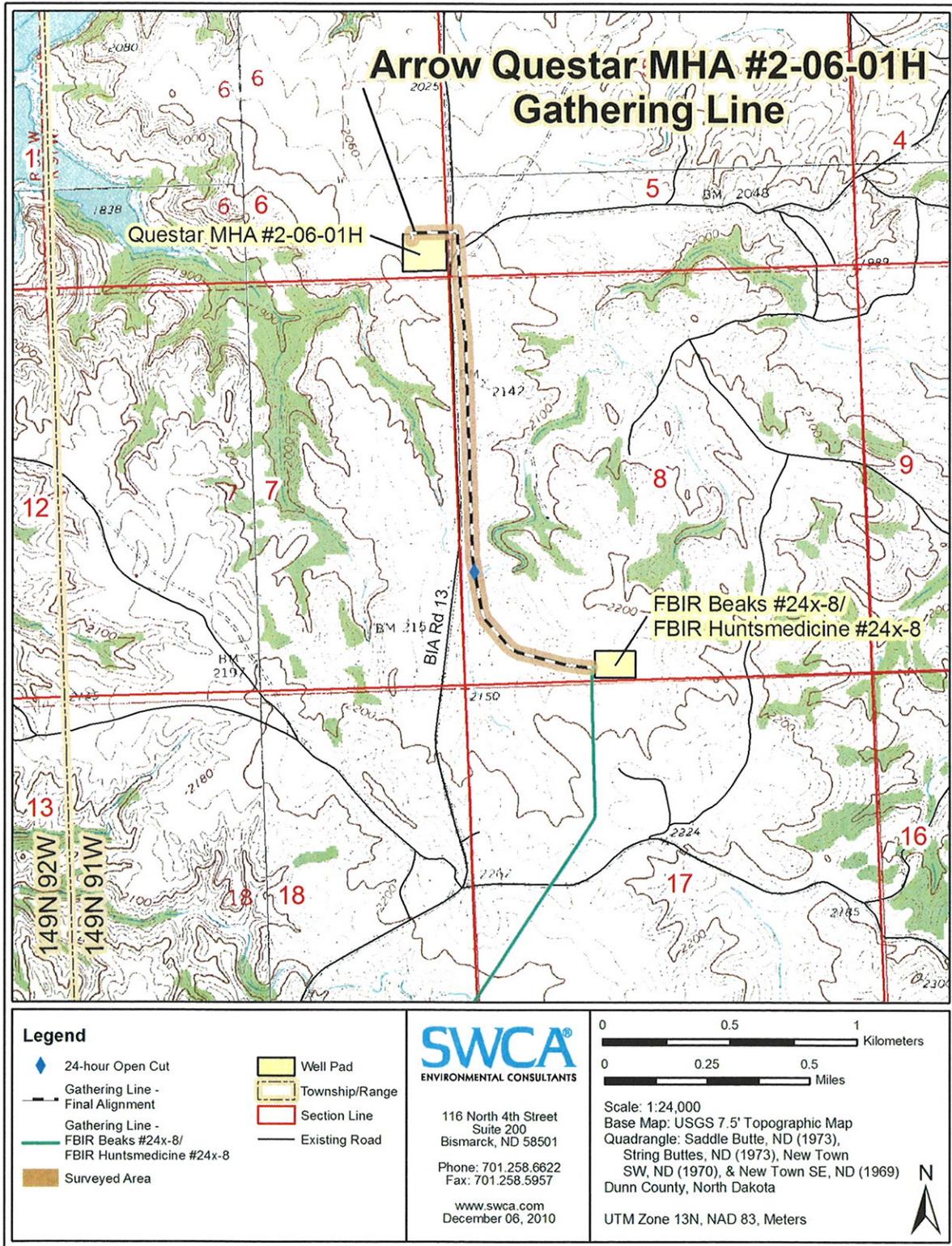


Figure 1. Proposed Questar MHA #2-06-01H well pad and associated gathering line.

*Addendum to Environmental Assessment to Authorize Land Use for
Arrow Pipeline Questar MHA #2-06-01H Gathering Pipeline*



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Great Plains Regional Office
115 Fourth Avenue S.E.
Aberdeen, South Dakota 57401



IN REPLY REFER TO:
DESCRM
MC-208

DEC 27 2010

Elgin Crows Breast, THPO
Mandan, Hidatsa and Arikara Nation
404 Frontage Road
New Town, North Dakota 58763

Dear Mr. Crows Breast:

We have considered the potential effects on cultural resources of a proposed Arrow gathering line in Dunn County, North Dakota. Approximately 43.36 acres were intensively inventoried using a pedestrian methodology. Potential surface disturbances are not expected to exceed the area depicted in the enclosed report. Two archaeological sites (32DU1556, 32DU1557) were located which may possess the quality of integrity and meet at least one of the criteria (36 CFR 60.4) for inclusion on the National Register of Historic Places. No properties were located that appear to qualify for protection under the American Indian Religious Freedom Act (42 USC 1996).

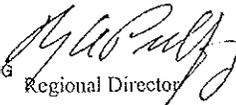
As the surface management agency, and as provided for in 36 CFR 800.5, we have therefore reached a determination of **no historic properties affected** for this undertaking, as the archaeological sites will be avoided. Catalogued as **BIA Case Number AAO-1890/FB/11**, the proposed undertaking, location, and project dimensions are described in the following report:

Schleicher, Jolene, Chandler Herson and Judith Cooper
(2010) A Class I and Class III Cultural Resource Inventory of the Arrow Pipeline Questar MHA 2-6-1H Gathering Pipeline on the Fort Berthold Indian Reservation, Dunn County, North Dakota. SWCA Environmental Consultants for Arrow Pipeline, LLC, Tulsa, OK.

If your office concurs with this determination, consultation will be completed under the National Historic Preservation Act and its implementing regulations. The Standard Conditions of Compliance will be adhered to.

If you have any questions, please contact Dr. Carson N. Murdy, Regional Archaeologist, at (605) 226-7656.

Sincerely,

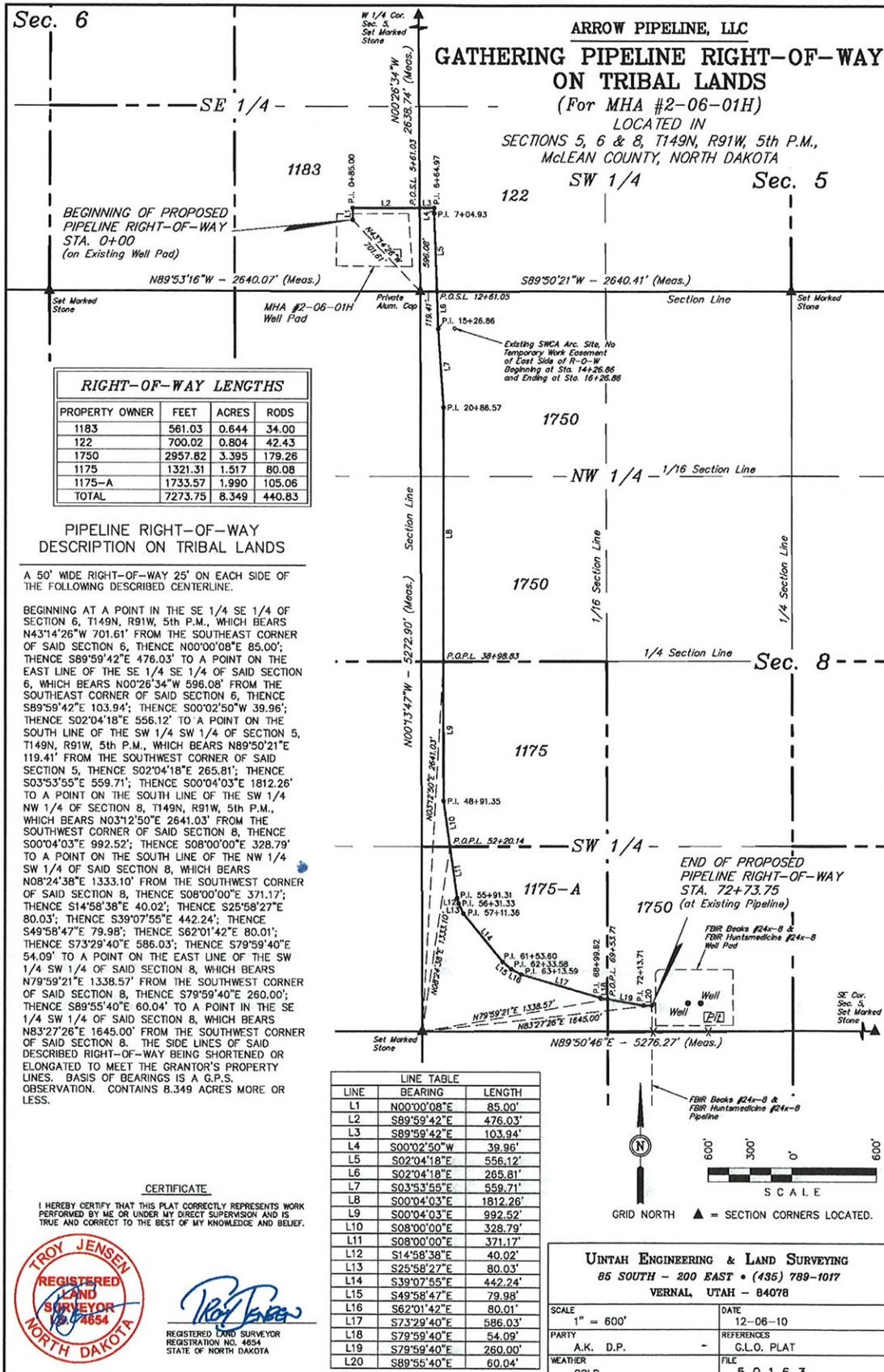

ACTING Regional Director

Enclosure

cc: Chairman, Three Affiliated Tribes
Superintendent, Fort Berthold Agency

APPENDIX A
Pipeline Right-of-Way for
Arrow Pipeline Questar MHA #2-06-01H Gathering Pipeline

*Addendum to Environmental Assessment to Authorize Land Use for
Arrow Pipeline Questar MHA #2-06-01H Gathering Pipeline*



RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
1183	561.03	0.644	34.00
122	700.02	0.804	42.43
1750	2957.82	3.395	179.26
1175	1321.31	1.517	80.08
1175-A	1733.57	1.990	105.06
TOTAL	7273.75	8.349	440.83

**PIPELINE RIGHT-OF-WAY
DESCRIPTION ON TRIBAL LANDS**

A 50' WIDE RIGHT-OF-WAY 25' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 SE 1/4 OF SECTION 6, T149N, R91W, 5th P.M., WHICH BEARS N43°14'26"W 701.61' FROM THE SOUTHEAST CORNER OF SAID SECTION 6, THENCE N00°00'08"E 85.00'; THENCE S89°59'42"E 478.03' TO A POINT ON THE EAST LINE OF THE SE 1/4 SE 1/4 OF SAID SECTION 6, WHICH BEARS N00°26'34"W 596.08' FROM THE SOUTHEAST CORNER OF SAID SECTION 6, THENCE S89°58'42"E 103.94'; THENCE S00°02'50"W 39.96'; THENCE S02°04'18"E 556.12' TO A POINT ON THE SOUTH LINE OF THE SW 1/4 SW 1/4 OF SECTION 5, T149N, R91W, 5th P.M., WHICH BEARS N89°50'21"E 119.41' FROM THE SOUTHWEST CORNER OF SAID SECTION 5, THENCE S02°04'18"E 265.81'; THENCE S03°53'55"E 559.71'; THENCE S00°04'03"E 1812.26' TO A POINT ON THE SOUTH LINE OF THE SW 1/4 NW 1/4 OF SECTION 8, T149N, R91W, 5th P.M., WHICH BEARS N03°12'50"E 2641.03' FROM THE SOUTHWEST CORNER OF SAID SECTION 8, THENCE S00°04'03"E 992.52'; THENCE S08°00'00"E 328.79' TO A POINT ON THE SOUTH LINE OF THE NW 1/4 SW 1/4 OF SAID SECTION 8, WHICH BEARS N08°24'38"E 1333.10' FROM THE SOUTHWEST CORNER OF SAID SECTION 8, THENCE S08°00'00"E 371.17'; THENCE S14°58'38"E 40.02'; THENCE S25°58'27"E 80.03'; THENCE S39°07'55"E 442.24'; THENCE S49°58'47"E 79.98'; THENCE S62°01'42"E 80.01'; THENCE S73°29'40"E 586.03'; THENCE S79°59'40"E 54.09' TO A POINT ON THE EAST LINE OF THE SW 1/4 SW 1/4 OF SAID SECTION 8, WHICH BEARS N79°59'21"E 1338.57' FROM THE SOUTHWEST CORNER OF SAID SECTION 8, THENCE S79°59'40"E 260.00'; THENCE S89°55'40"E 60.04' TO A POINT IN THE SE 1/4 SW 1/4 OF SAID SECTION 8, WHICH BEARS N83°27'26"E 1645.00' FROM THE SOUTHWEST CORNER OF SAID SECTION 8. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 8.349 ACRES MORE OR LESS.

CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Troy Jensen
REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

LINE	BEARING	LENGTH
L1	N00°00'08"E	85.00'
L2	S89°59'42"E	478.03'
L3	S89°59'42"E	103.94'
L4	S00°02'50"W	39.96'
L5	S02°04'18"E	556.12'
L6	S02°04'18"E	265.81'
L7	S03°53'55"E	559.71'
L8	S00°04'03"E	1812.26'
L9	S00°04'03"E	992.52'
L10	S08°00'00"E	328.79'
L11	S08°00'00"E	371.17'
L12	S14°58'38"E	40.02'
L13	S25°58'27"E	80.03'
L14	S39°07'55"E	442.24'
L15	S49°58'47"E	79.98'
L16	S62°01'42"E	80.01'
L17	S73°29'40"E	586.03'
L18	S79°59'40"E	54.09'
L19	S79°59'40"E	260.00'
L20	S89°55'40"E	60.04'

UINTAH ENGINEERING & LAND SURVEYING
86 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 600'	DATE 12-06-10
PARTY A.K. D.P.	REFERENCES G.L.O. PLAT
WEATHER C.N.D.	FILE 5 0 1 6 3



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Attachments

1	Class III Cultural Resource Inventory, Skunk Creek 2-8-17-15H and Skunk Creek 4-8-17-14H, Juniper LLC, October 2010.
2	Biological Evaluation, Skunk Creek 2-8-17-14H and Skunk Creek 4-8-17-14H, Yellowfield Biological Surveys, November 2010.
3	Class III Cultural Resource Inventory, Skunk Creek 2-8-17H Well Pad and Access Road, Kadrmas, Lee, & Jackson, September 2009.
4	Class III Cultural Resource Inventory, Skunk Creek 4-8-17H Well Pad and Access Road, Kadrmas, Lee, & Jackson, September 2009.
5	Class III Cultural Resource Inventory, Skunk Creek 4-10-11H Well Pad and Access Road, Kadrmas, Lee, & Jackson, September 2009.
6	Class III Cultural Resource Inventory, Skunk Creek 12-10-11H Well Pad and Access Road, Kadrmas, Lee, & Jackson, October 2009.

- 7 Class III Cultural Resource Inventory, Two Shields Butte 5-8-7H Well Pad and Access Road, Kadmas, Lee, & Jackson, September 2009.
- 8 Well Location Plat – Skunk Creek 2-8-17-15H
- 9 Well Location Plat – Skunk Creek 4-8-17-14H
- 10 Well Location Plat – Skunk Creek 4-10-11-8H
- 11 Well Location Plat – Skunk Creek 12-10-11-9H
- 12 Well Location Plat – Two Shields Butte 5-7-8-1H

1. Purpose and Need for the Proposed Action

The Bureau of Indian Affairs issued a Finding of No Significant Impact (FONSI) on January 20, 2010, regarding Kodiak's Environmental Assessment for up to ten Bakken exploratory wells at five locations. In that document, Kodiak proposed to drill ten exploratory oil and gas wells, from five surface locations, on the Fort Berthold Indian Reservation, to evaluate and possibly develop the commercial potential of natural resources. Developments have been proposed on land held in trust by the United States in Dunn County, North Dakota. The BIA is the surface management agency for potentially affected tribal lands and individual allotments. The BIA also holds title to subsurface mineral rights. The economic development of available resources and associated BIA actions are consistent with BIA's general mission. Leasing and development of mineral resources offers substantial economic benefits to both the Three Affiliated Tribes of the Mandan, Hidatsa, and Arikara Nation and to individual tribal members.

The purpose of the proposed action is to authorize the construction of an alternate access route into the Skunk Creek 2-8-17H and Skunk Creek 4-8-17H locations and the underground installation and use of gathering lines and electrical lines along the rights-of-way of all access roads associated with the original Environmental Assessment, as further described in Section 3 of this document.

2. Authorities

Oil and gas exploration and development activities are conducted under authority of the Indian Mineral Leasing Act of 1938 (25 United States Code [USC] 396a, et seq.), the Gas Royalty Management Act of 1982 (30 USC 1701, et seq.), the Indian Mineral Development Act of 1982 (25 USC 2101, et seq.), the Energy Policy Act of 2005 (42 USC 15801, et seq.), and 25 Code of Federal Regulations (CFR) 169. BIA actions in connection with the proposed project are largely administrative and include approval of rights-of-way (ROW) and determinations regarding cultural resource effects.

3. Legal Land Descriptions of Proposed Action

The Skunk Creek 2-8-17H and Skunk Creek 4-8-17H pads are located at the NW NE quarter of Section 8 (T148N-R93W) and the NW NW of Section 8 (T148N-R93W), respectively, and were initially accessed via a route in the SE SW quarter of Section 5 (T148N-R93W). This original route extended south from BIA 14 approximately 1,522 feet to a point near the NE corner of the Skunk Creek 4-8-17H drill pad. A new proposed route extends south from BIA 14 in the SW SE quarter of Section 5 (T148N-R93W) and extends for approximately 1,630 feet to a point near the NW corner of the Skunk Creek 2-8-17H drill pad in Section 8 (Figure 1). The purpose of the new route is to ensure adequate protection of existing cultural sites found in the vicinity of the original route and to allow for a more environmentally-sound creek crossing. All underground gathering lines and electrical lines associated with this Environmental Assessment Addendum will follow approved rights-of-way to the respective wells. No additional surface disturbance will occur with the installation of these underground lines.

The Skunk Creek 4-10-11H and Skunk Creek 12-10-11H pads have surface locations in the NW NW of Section 10 (T148N-R93W) and NW SW of Section 10 (T148N-R93W), respectively (Figure 2). The access route and approved right-of-way to the drill pads extends east from BIA 17 in the NE SE quarter of Section 9 (T148N-R93W) into the NW SW of Section 10 to the Skunk Creek 12-10-11H location, then north into the NW NW of Section 10 (T148N-R93W), terminating at the southern margin of the Skunk Creek 4-10-11H location with a total length of approximately 2,995 feet. The underground gathering lines and electrical lines will follow the approved right-of-way to the wells. No additional surface disturbance will occur with the installation of these underground lines.

The Two Shields Butte 5-7-8-H pad is located in the SW NW of Section 7 (T149N-R92W). The access route and right-of way extends south-southeast from BIA 10 in the NE NE of Section 12 (T149N-R93W) and extends approximately 337 feet to the NW corner of the Two Shields Butte 5-7-8H drill pad located in the SW NW quarter of Section 7 (T149N-R92W). The underground gathering lines and electrical lines will follow the current approved right-of-way, and no additional surface disturbance will occur with the installation of these underground lines. The proposed wellbores are shown on Figure 3.

4. Scope of Work for Proposed Action

Kodiak proposes to construct the new access road and install and use underground gathering and electrical lines along the approved access road rights of way at the Skunk Creek 2-8-17H and Skunk Creek 4-8-17H locations. The new route proposed will replace the previously approved route and right-of-way. The installation and use of underground gathering lines and electrical lines will require no additional surface disturbance.

Kodiak proposes to install and use underground gathering and electrical lines along previously approved access road rights of way at the Skunk Creek 4-10-11H and 12-10-11H locations and the Two Shields Butte 5-7-8H location. This action will require no additional surface disturbance.

5. Applicable National Environmental Policy Act (NEPA) Document(s)

Environmental Assessment: Kodiak Oil & Gas (USA), Inc.: Up to Ten Exploratory Wells with Five Surface Locations Skunk Creek 2-8-17H, Skunk Creek 4-8-17H, Skunk Creek 4-10-11H, Skunk Creek 12-10-11H, Two Shields Butte 5-7-8H, November 2009

6. NEPA Adequacy Criteria

This document has identified a previously prepared NEPA document, *Environmental Assessment: Kodiak Oil & Gas (USA), Inc.: Up to Ten Exploratory Wells with Five Surface Locations Skunk Creek 2-8-17H, Skunk Creek 4-8-17H, Skunk Creek 4-10-11H, Skunk Creek 12-10-11H, Two Shields Butte 5-7-8H (November 2009)*, which adequately describes the environmental consequences of the newly proposed action described herein, and meets the following NEPA Adequacy Criteria:

1. The proposed action is substantially the same action and at the site specifically analyzed in the existing NEPA document.
2. The range of alternatives is reasonable with respect to the current proposed action in the existing NEPA document, which appropriately considers and analyzes current environmental concerns, interests, and resource values.
3. The existing analysis and conclusions are adequate in the existing NEPA document. The analysis is still valid in light of new studies or resource assessment information.
4. The methodology and analytical approach used in the existing NEPA document continues to be appropriate for the proposed action.
5. The direct and indirect impacts of the proposed action are unchanged from those identified in the existing NEPA document.
6. The cumulative impacts that would result from implementation of the proposed action are unchanged from those analyzed in the existing NEPA document.

7. Cultural Resources

The proposed underground gathering lines and electrical lines will not increase surface disturbance, on any of the surface pads, nor will it impact any cultural resources. Initial cultural resource inventories and biological surveys of all well pads and access routes were conducted by personnel from Kadrmas, Lee and Jackson in August, 2009. Subsequent archaeological and biological investigations pertaining to the access road re-route for the Skunk Creek 2-8-17H and Skunk Creek 4-8-17H locations were conducted by Juniper LLC and Yellowfield Biological Surveys, LLC, respectively, in October 2010. The cultural resource inventories and biological surveys included 10 acres centered on the center stake of each pad, while the road corridor for the original access route was 150 feet wide for the entire road length for each location, (Harty, J.L. and A. Rabe, 2009). The subsequent investigation corridor for the new route to Skunk Creek 2-8-17H and Skunk Creek 4-8-17H was 100 feet wide for the entire route, (Morrison, J.G., 2010). A cultural site was identified in the vicinity of the surface pad for the Two Shields Butte 5-7-8-H location; however the pad design has been modified to ensure the security of site (Harty, J.L. and C. Herson 2009). No cultural resources were discovered during the investigation of the other locations, therefore no historic properties will be affected (Harty, J.L. and A. Rabe 2009).

Onsite field inspections were conducted for all sites in August and September, 2009. Participants in the onsite field inspections included environmental specialists representing the Fort Berthold Agency, the Bureau of Land Management, Kadrmas, Lee and Jackson Engineers, Surveyors, and Planners, and representatives from Kodiak Oil and Gas (USA), Inc. Site stipulations established include implementation of Best Management Practices during construction and operational management of each site. Subsequent onsite inspections were conducted at the Skunk Creek 2-8-17H and Skunk Creek 4-8-17H locations in association with the access road re-route in October and November, 2010. Participants in these onsite inspections included environmental specialists representing the Fort Berthold Agency, the Bureau of Land Management, Juniper LLC, Yellowfield Biological Surveys, LLC, and Kodiak Oil and Gas (USA), Inc. Specific site stipulations established include the implementation of Best Management Practices during construction and operational management of the sites and the installation of a box-type culvert at the creek crossing.

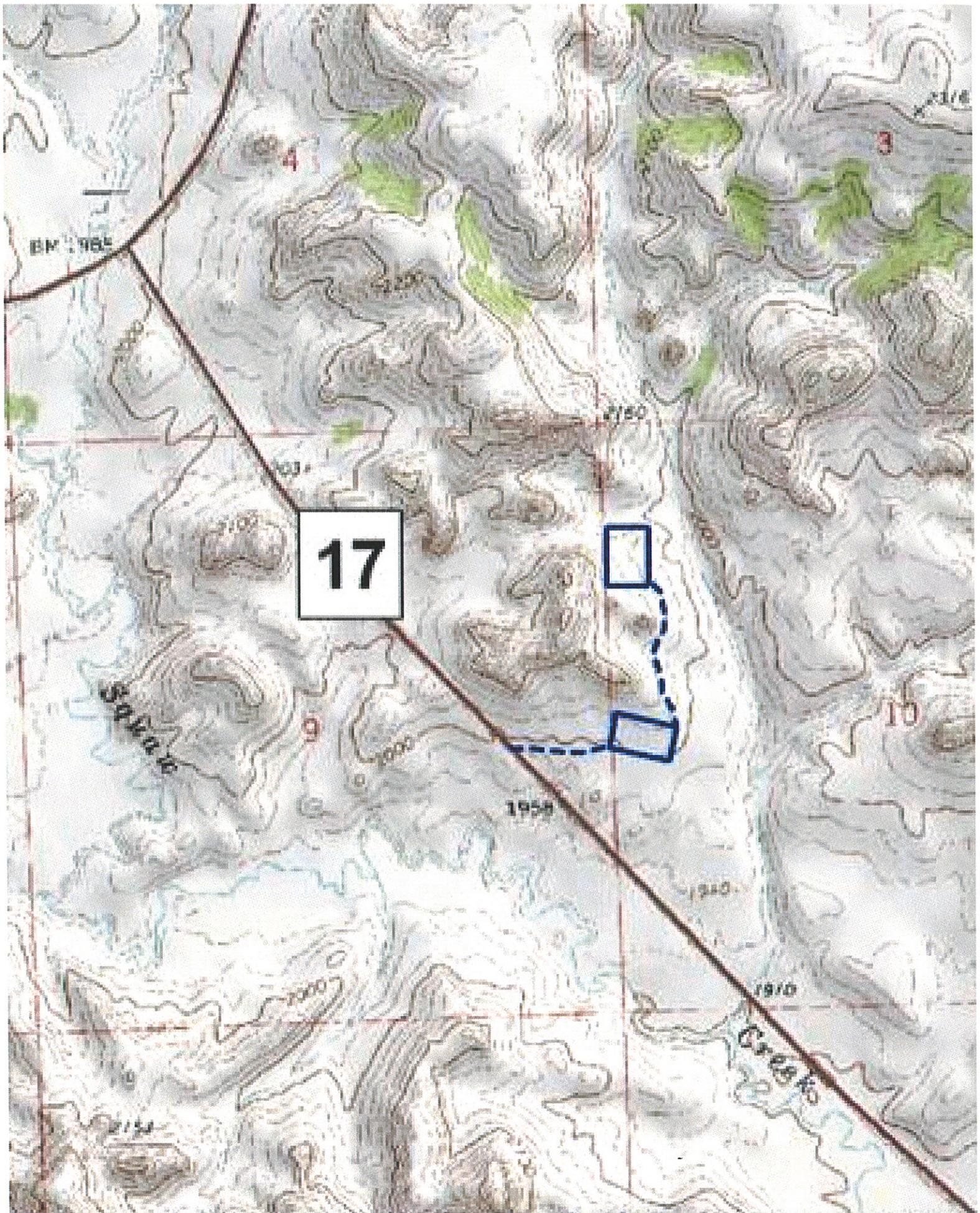


Fig. 2: Location Map Skunk Creek 4-10 and Skunk Creek 12-10, T148N-R93W

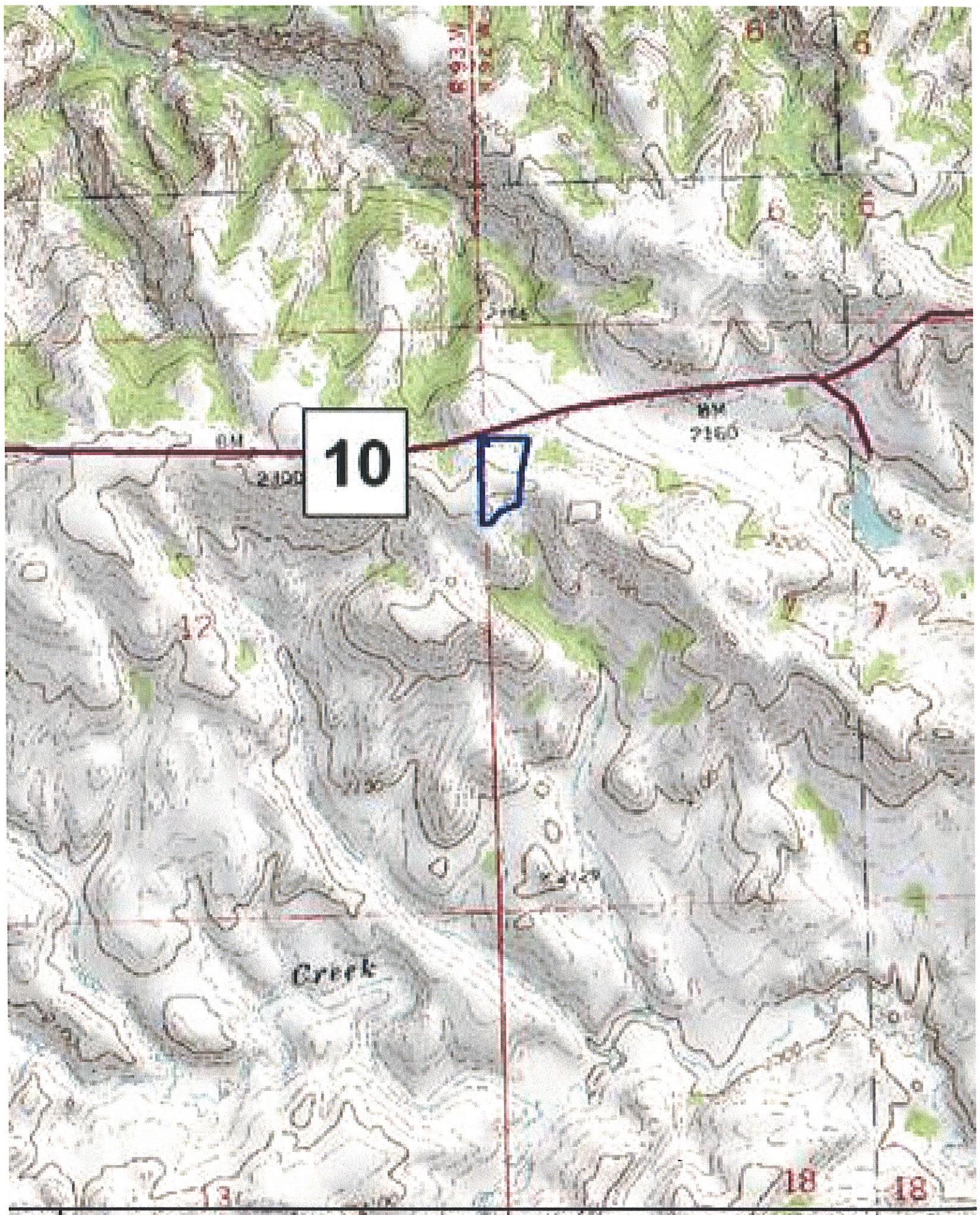


Fig. 3: Location Map Two Shields Butte 5-7-8H, T149N-R92W

Morrison, J.G.

(2010) Skunk Creek 2-8-17-15H and Skunk Creek 4-8-17-14H Alternate Access Road: Class III Cultural Resource Inventory, Dunn County, North Dakota, Report of Investigation: 52, Juniper LLC, Bismarck, North Dakota

Schmoller, D

(2010) Skunk Creek 2-8-17-15H and 4-8-17-14H Well Pad and Access Road Biological Evaluation, T148N, R93W, S5 SW of SE, S8 NW of NE, Yellowfield Biological Surveys, LLC, Arbor Vitae, WI

Harty, J.L. and A. Rabe

(2009) Skunk Creek 2-8-17H Well Pad and Access Road: A Class III Cultural Resource Inventory, Dunn County, North Dakota, Report of Investigation: 955, Kadrmas, Lee and Jackson, Bismarck, North Dakota

Harty, J.L. and A. Rabe

(2009) Skunk Creek 4-8-17H Well Pad and Access Road: A Class III Cultural Resource Inventory, Dunn County, North Dakota, Report of Investigation: 957, Kadrmas, Lee and Jackson, Bismarck, North Dakota

Harty, J.L. and A. Rabe

(2009) Skunk Creek 4-10-11H Well Pad and Access Road: A Class III Cultural Resource Inventory, Dunn County, North Dakota, Report of Investigation: 956, Kadrmas, Lee and Jackson, Bismarck, North Dakota

Harty, J.L. and A. Rabe

(2009) Skunk Creek 12-10-11H Well Pad and Access Road: A Class III Cultural Resource Inventory, Dunn County, North Dakota, Report of Investigation: 971, Kadrmas, Lee and Jackson, Bismarck, North Dakota

Harty, J.L. and C. Herson

(2009) Two Shields Butte 5-7-8H Well Pad and Access Road: A Class III Cultural Resource Inventory, Dunn County, North Dakota, Report of Investigation: 1009, Kadrmas, Lee and Jackson, Bismarck, North Dakota

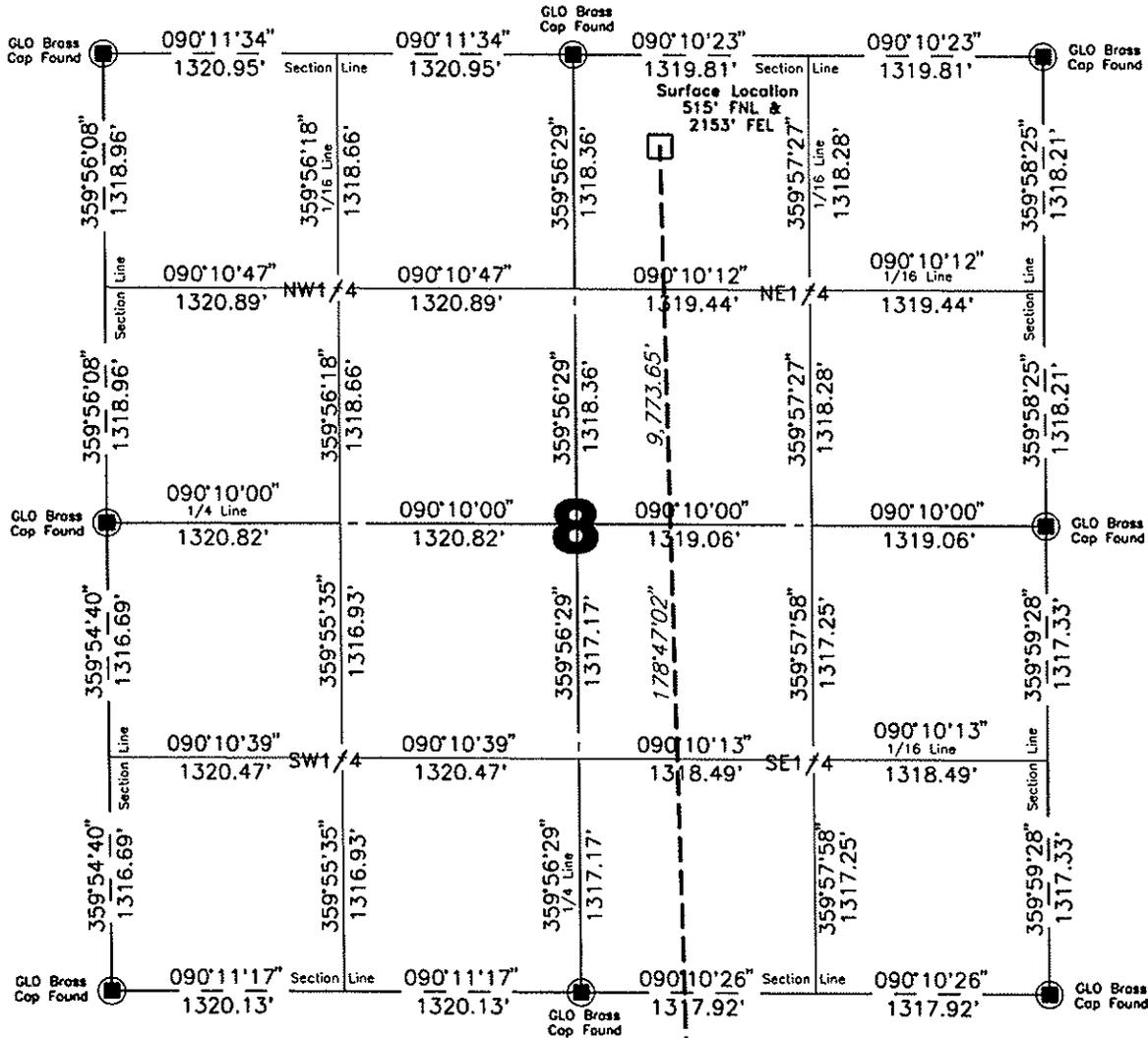
ATTACHMENTS

HORIZONTAL SECTION PLAT

Kodiak Oil & Gas Corp.
1625 Broadway, Suite 250 Denver, Colorado 80202
Skunk Creek 2-8-17-15H

515 feet from the north line and 2153 feet from the east line (surface location)
Section 8, T. 148 N., R. 93 W., 5th P.M.
250 feet from the south line and 1950 feet from the east line (bottom location)
Section 17, T. 148 N., R. 93 W., 5th P.M.
Dunn County, North Dakota
Surface owner @ well site - 1626

Latitude 47°39'33.13" North; Longitude 102°33'16.82" West (surface location)
Latitude 47°37'56.70" North; Longitude 102°33'13.71" West (bottom hole location)
[Derived from OPUS Solution NAD-83(CORS96)]

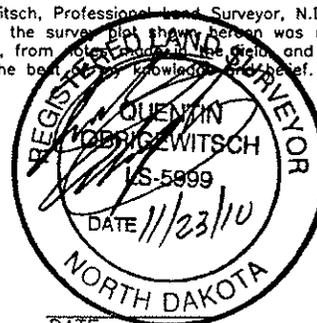


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Scale 1"=1000'

I, Quentin Obrigewitsch, Professional Land Surveyor, N.D. No. 5999, do hereby certify that the survey plat shown herein was made by me, or under my direction, from notes and field data, and the same is true and correct to the best of my knowledge and belief.

All corners shown on this plat were found in the field during Kodiak Oil & Gas Corp., Skunk Creek 2-8-17-15H oil well survey on August 26, 2009. Distances to all others are calculated. All azimuths are based on the north line of the NW1/4 of Section 17, being on an azimuth of 090°11'17".



**Kadmas
Lee &
Jackson**
Engineers Surveyors
Planners

Surveyed By Jay Northrop	Field Book OW-215
Computed & Drawn By R.C./B.C	Project No. 3710723

DATE

HORIZONTAL SECTION PLAT

Kodiak Oil & Gas Corp.
 1625 Broadway, Suite 250 Denver, Colorado 80202
Skunk Creek 2-8-17-15H

515 feet from the north line and 2153 feet from the east line (surface location)

Section 8, T. 148 N., R. 93 W., 5th P.M.

250 feet from the south line and 1950 feet from the east line (bottom location)

Section 17, T. 148 N., R. 93 W., 5th P.M.

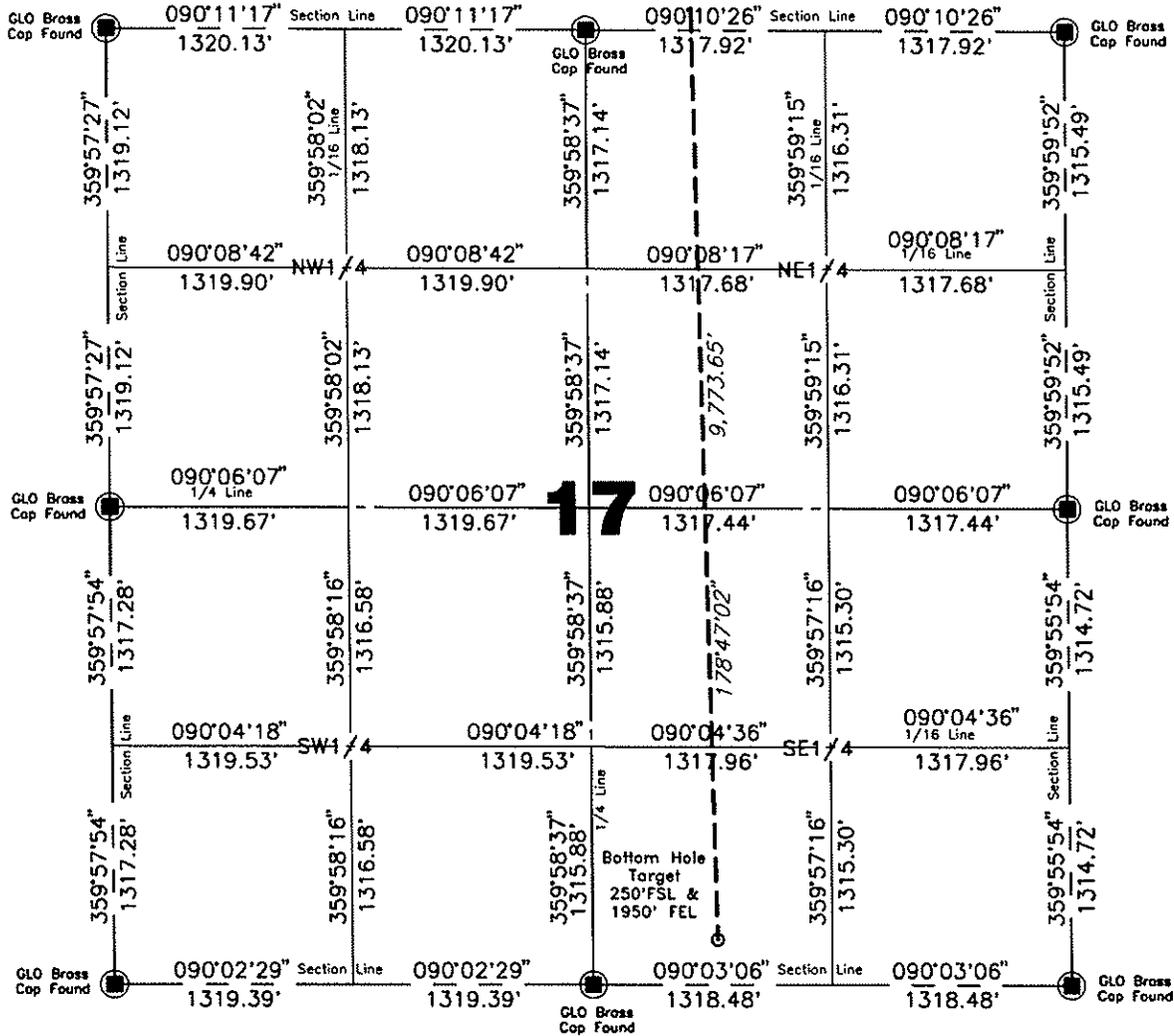
Dunn County, North Dakota

Surface owner @ well site - 1626

Latitude 47°39'33.13" North; Longitude 102°33'16.82" West (surface location)

Latitude 47°37'56.70" North; Longitude 102°33'13.71" West (bottom hole location)

[Derived from OPUS Solution NAD-83(CORS96)]

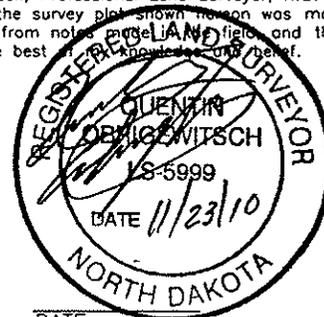


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Scale 1"=1000'

I, Quentin Obrigewitsch, Professional Land Surveyor, N.D. No. 5999, do hereby certify that the survey plot shown hereon was made by me, or under my direction, from notes made in the field, and the same is true and correct to the best of my knowledge and belief.

All corners shown on this plat were found in the field during Kodiak Oil & Gas Corp., Skunk Creek 2-8-17-15H oil well survey on August 26, 2009. Distances to all others are calculated. All azimuths are based on the north line of the NW1/4 of Section 17, being on an azimuth of 090°11'17".



Kadmas
 Lee &
 Jackson
 Engineers Surveyors
 Planners

Surveyed By Jay Northrop	Field Book OW-215
Computed & Drawn By R.C./B.C	Project No. 3710723

DATE

BOTTOM HOLE LOCATION PLAT

Kodiak Oil & Gas Corp.
1625 Broadway, Suite 250 Denver, Colorado 80202
Skunk Creek 2-8-17-15H

515 feet from the north line and 2153 feet from the east line (surface location)

Section 8, T. 148 N., R. 93 W., 5th P.M.

250 feet from the south line and 1950 feet from the east line (bottom location)

Section 17, T. 148 N., R. 93 W., 5th P.M.

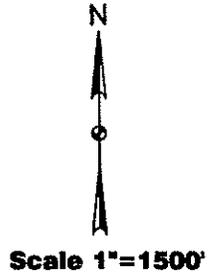
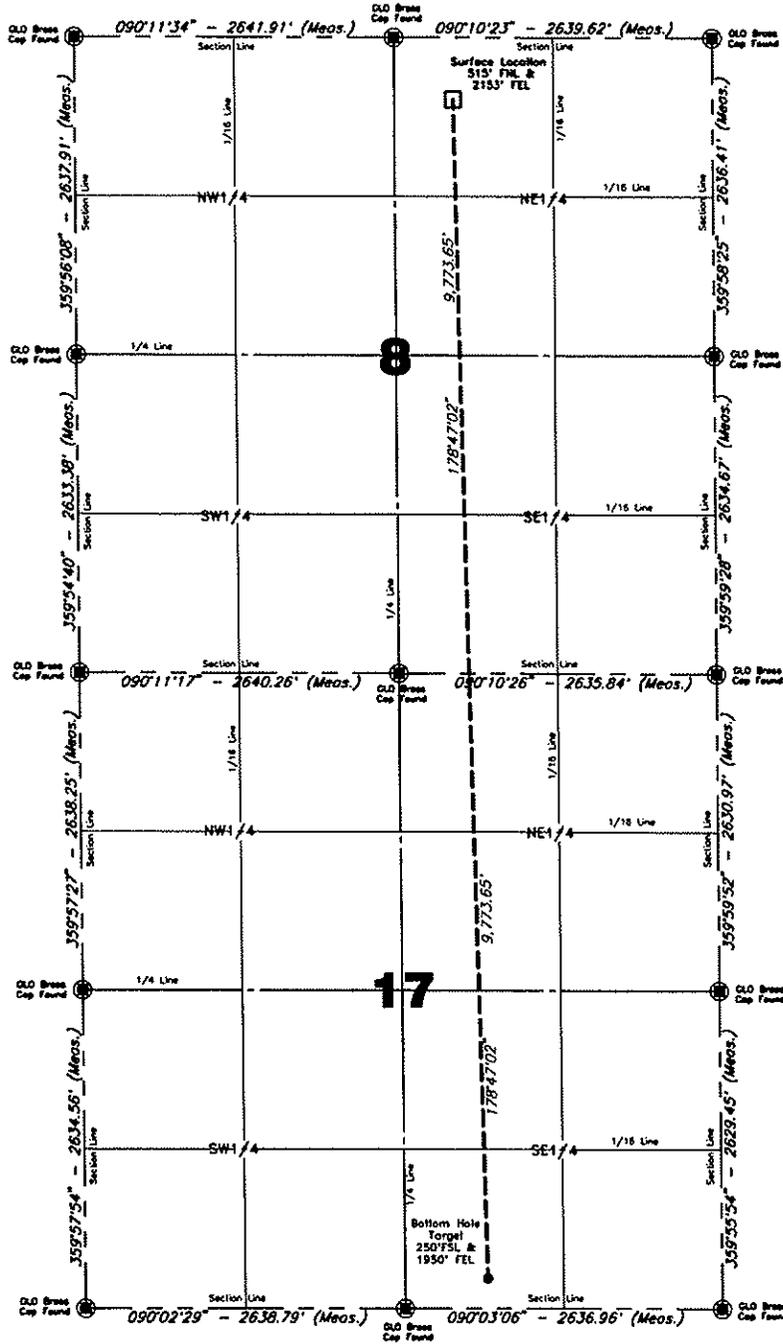
Dunn County, North Dakota

Surface owner @ well site - 1626

Latitude 47°39'33.13" North; Longitude 102°33'16.82" West (surface location)

Latitude 47°37'56.70" North; Longitude 102°33'13.71" West (bottom hole location)

[Derived from OPUS Solution NAD-83(CORS96)]



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Surveyed By Jay Northrop	Computed & Drawn By Roxy Crist	Approved By Q. Obrigewitsch	Scale 1" = 1500'	Date 11/18/2010
Field Book OW-215	Material B.H. Layout	Revised -	Project No. 3710723	Drawing No. 4

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Kodiak Oil & Gas Corporation
Skunk Creek 2-8-17-15H
Section 8, T. 148 N., R. 93 W., 5th P.M.
Dunn County, North Dakota

Well Site Elevation 2010.7' MSL
 Well Pad Elevation 2008.3' MSL

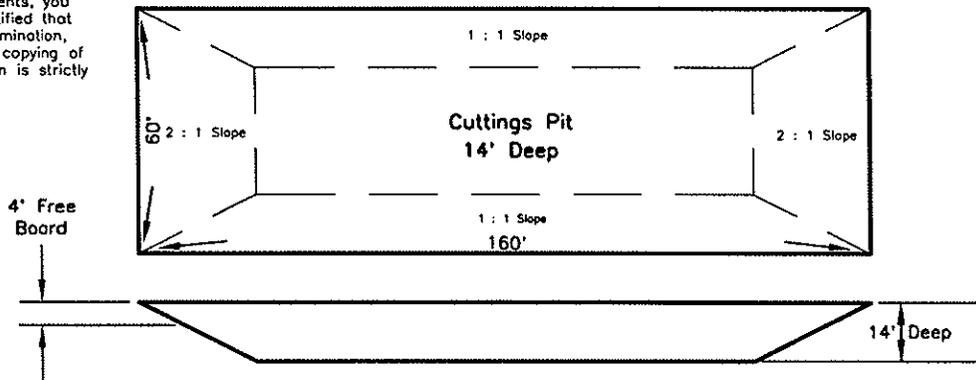
Excavation	29,520 C.Y.
Plus Pit	3,150 C.Y.
	32,670 C.Y.
Embankment	19,395 C.Y.
Plus Shrinkage (+30%)	5,820 C.Y.
	25,215 C.Y.
Stockpile Pit	3,150 C.Y.
Stockpile Top Soil (6")	3,695 C.Y.
Road Embankment & Stockpile from Pad	610 C.Y.
Disturbed Area From Pad	4.58 Acres

NOTE :
 All cut end slopes are designed at 1:1 slopes &
 All fill end slopes are designed at 1 1/2:1 slopes

Well Site Location

515' FNL
 2153' FEL

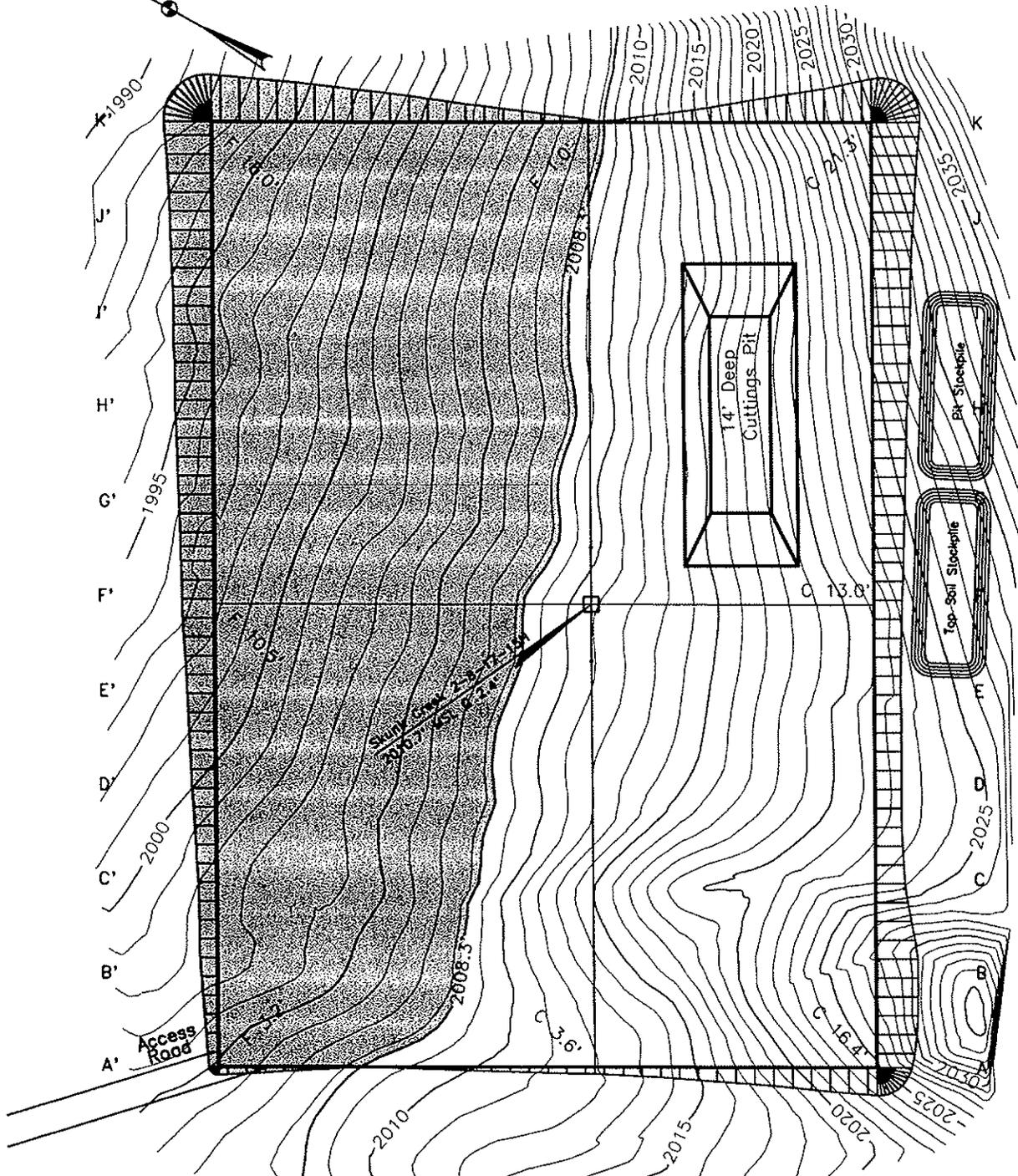
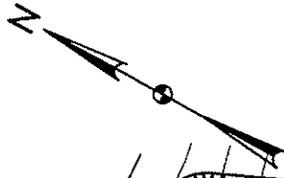
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 prohibited.



Drawn By Roxy Crist	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale None	Date 11/18/2010
Field Book OW-215	Material Quantities	Revised -	Project No. 3710723	Drawing No. 5

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Skunk Creek 2-8-17-15H Original Ground



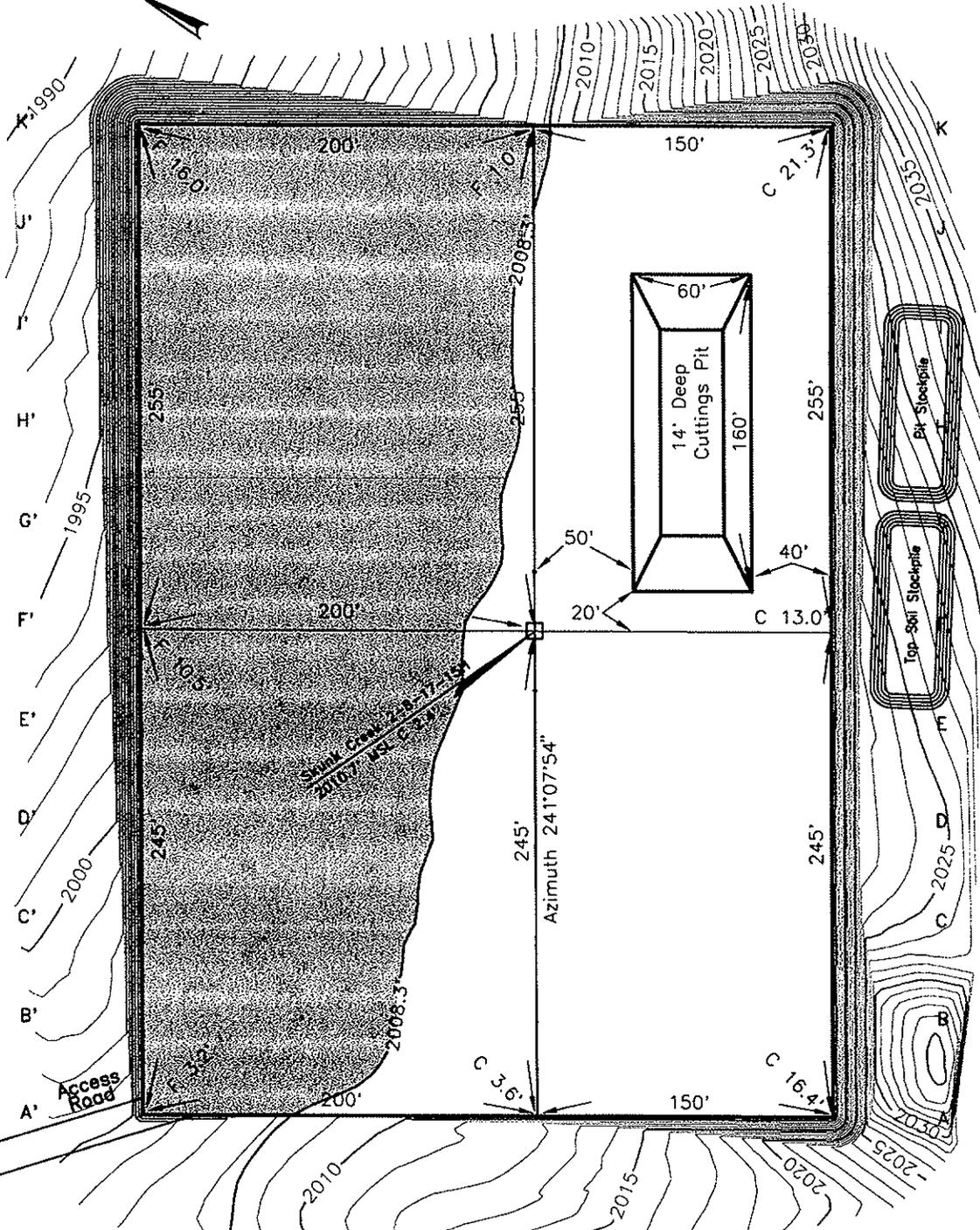
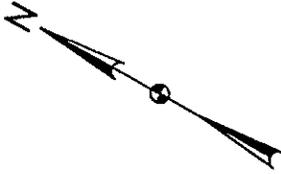
NW1/4NE1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.

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Drawn By Roxy Crist	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 11/18/2010
Field Book OW-215	Material Original Ground	Revised -	Project No. 3710723	Drawing No. 6

Skunk Creek 2-8-17-15H Pad Layout



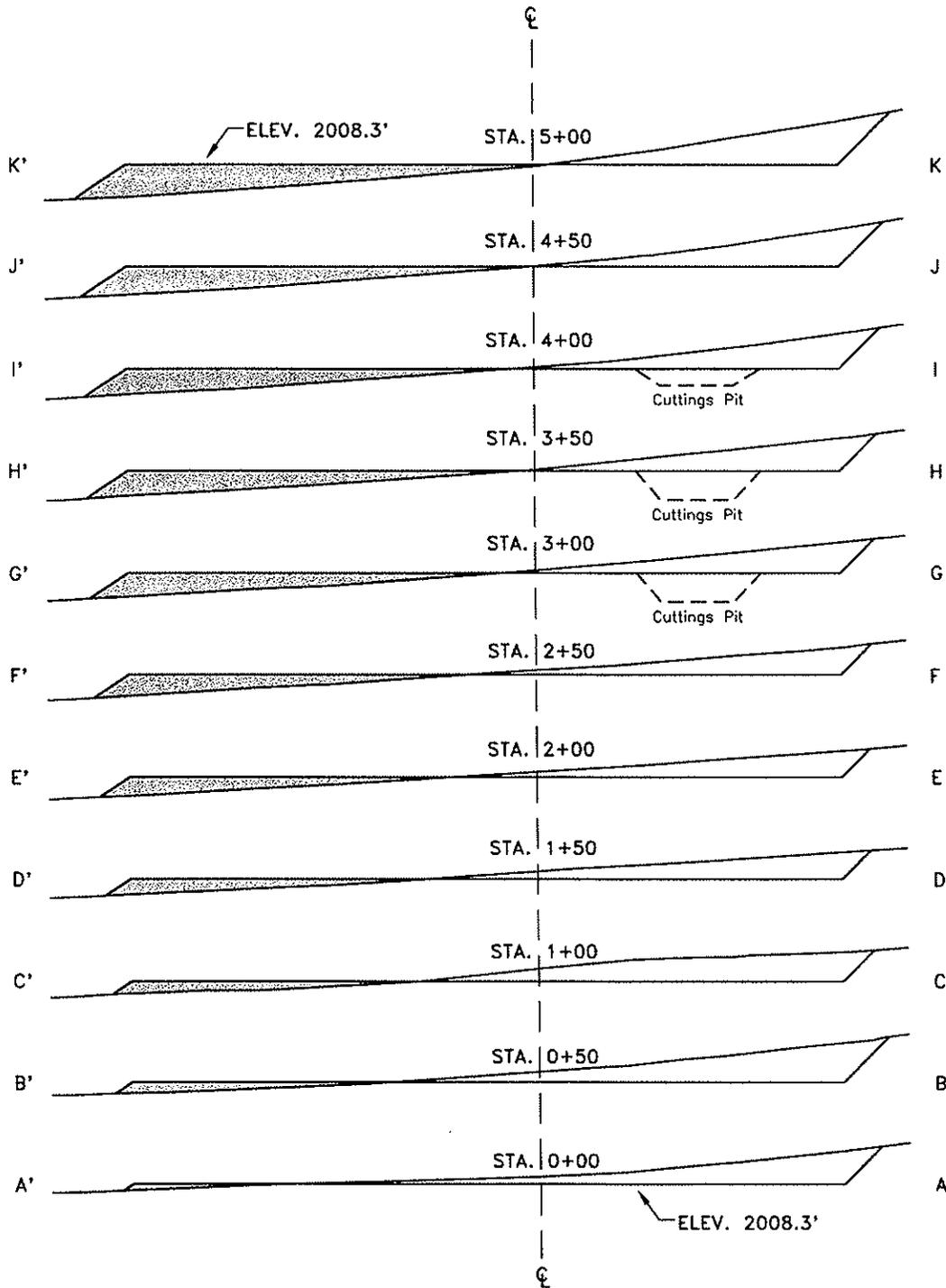
NW1/4NE1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.

Confidentiality Notice: The information contained on this plot is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.

Drawn By Roxy Crist	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 11/18/2010
Field Book OW-215	Material Pad Layout	Revised -	Project No. 3710723	Drawing No. 7

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Skunk Creek 2-8-17-15H Cross Sections

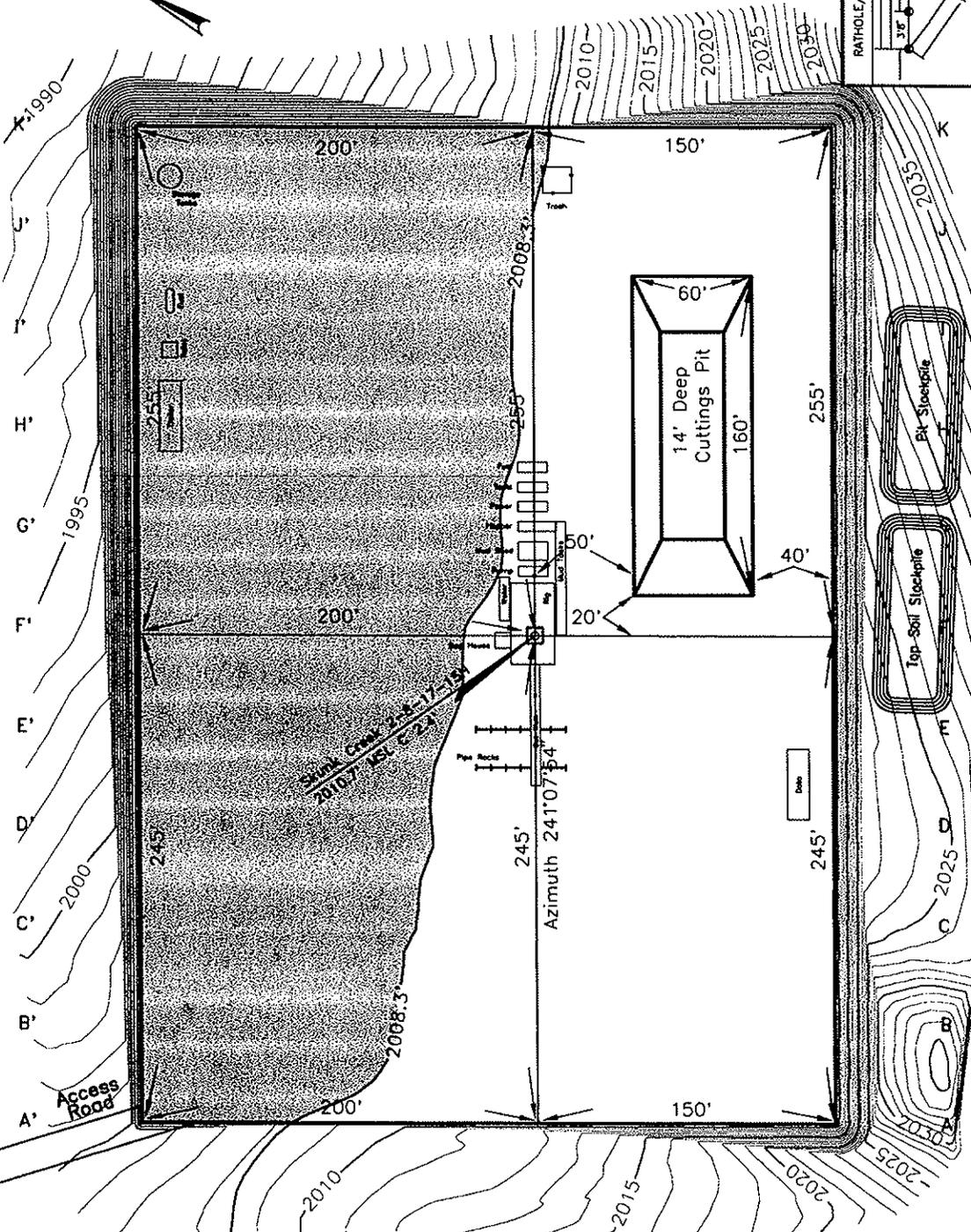
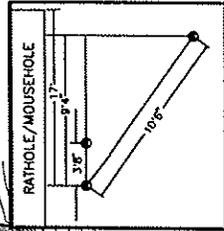
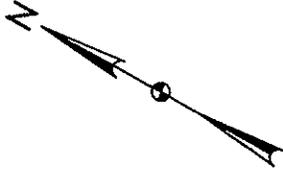


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Drawn By Roxy Crist	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 11/18/2010
Field Book OW-215	Material Cross Sections	Revised -	Project No. 3710723	Drawing No. 8

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Skunk Creek 2-8-17-15H Rig Layout



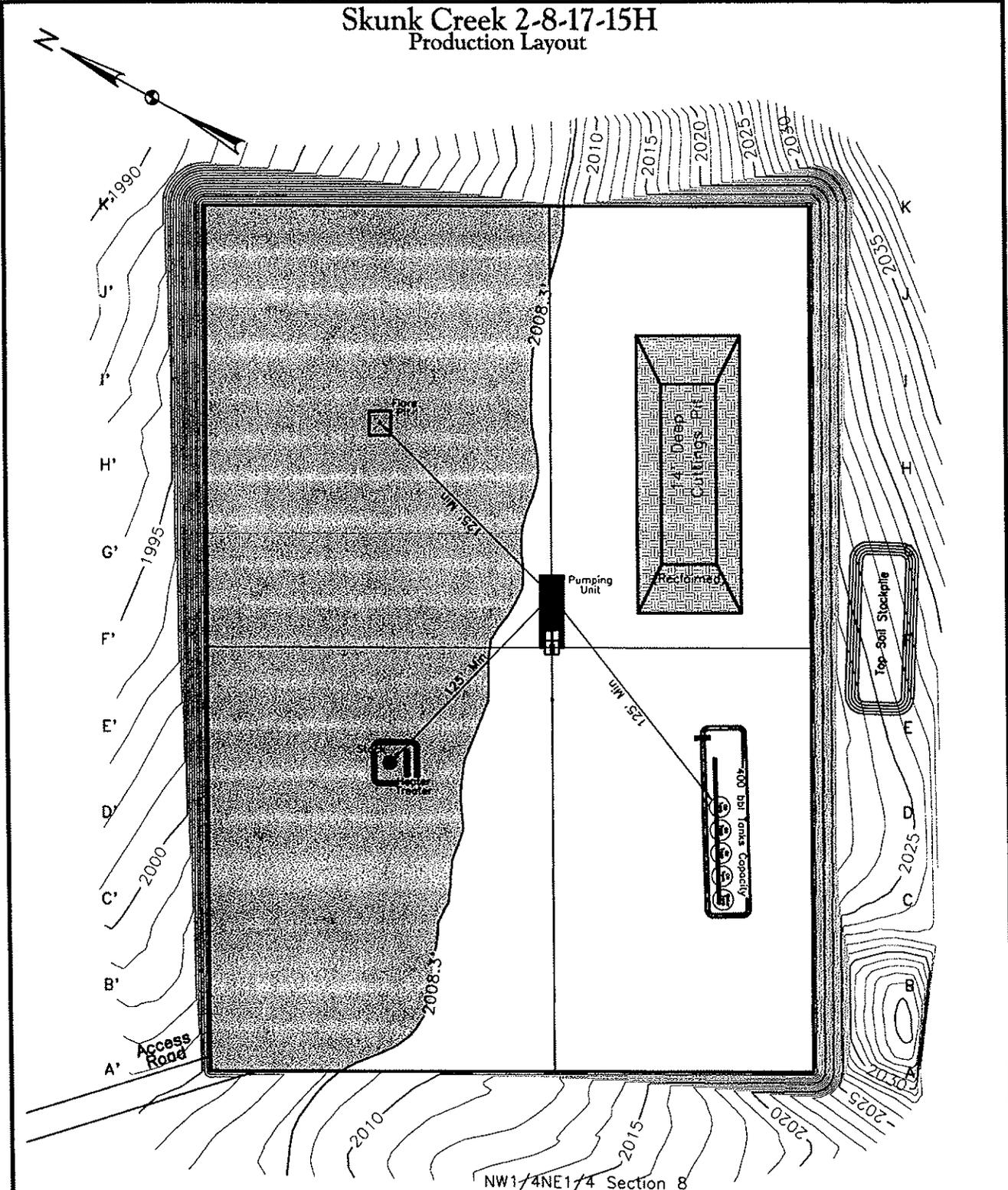
NW1/4NE1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.

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Drawn By Roxy Crist	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 11/18/2010
Field Book OW-215	Material Rig Layout	Revised -	Project No. 3710723	Drawing No. 9

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Skunk Creek 2-8-17-15H Production Layout



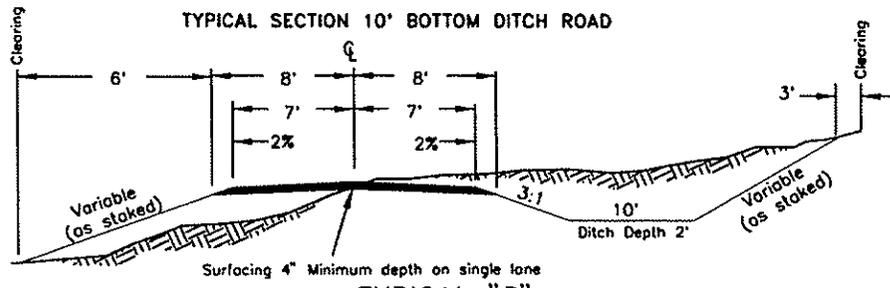
NW1/4NE1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.

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Drawn By Roxy Crist	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 11/18/2010
Field Book OW-215	Material Prod Layout	Revised -	Project No. 3710723	Drawing No. 10

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Skunk Creek 2-8-17-15H Roadway Typical Sections



TYPICAL "B"

No Scale

FILL SLOPES

3:1 Under 4' Height
2:1 Over 4' Height
(-) Slopes steeper than 2:1 will be subject to FS approval

FILL WIDENING

2' to 5' high/add 1'
Over 5' high/add 2'

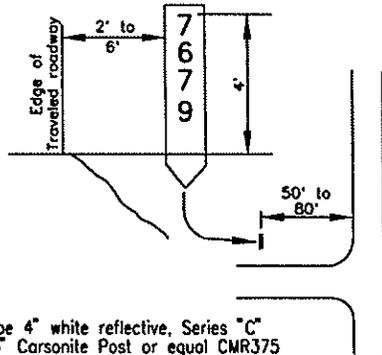
CUT SLOPES

3:1 Under 10' height
2:1 10' to 20' height
(-) Variable over 20' height W/FS approval

CURVE WIDENING

130 / R

TYPICAL SECTION VERTICAL ROUTE MARKER



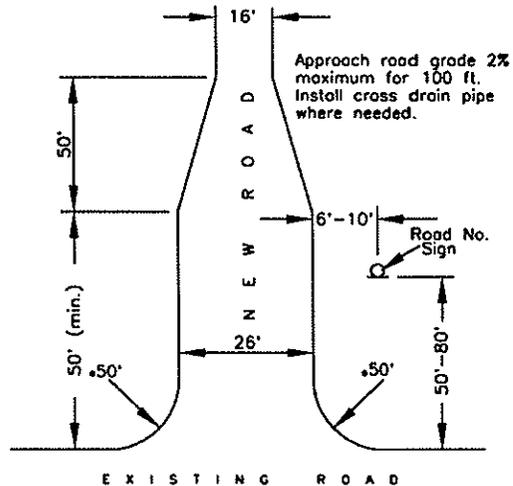
Letters shall be 4" white reflective, Series "C" on Brown 6" 6" Carsonite Post or equal CMR375

Figure 11-28.- Typical Signage for Vertical Route Markers

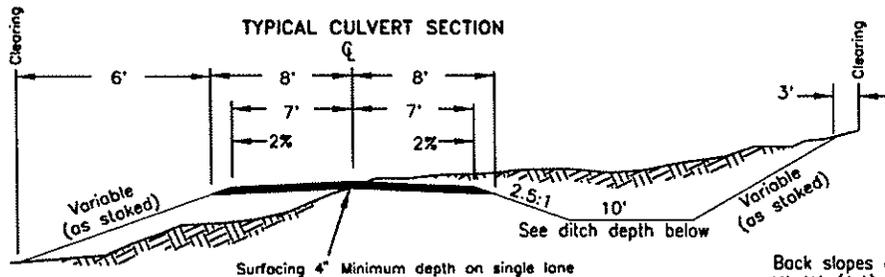
TYPICAL "F"

No Scale

TYPICAL APPROACH ROAD CONNECTION



*As noted on road sheets



Fill slopes are V1 H1.5 (1.5:1) or as staked

Ditch width shall be the larger of the following:
A. Standard ditch width
B. 2 times the pipe diameter
C. 4.25'

Ditch depth shall be:
CMP diameter Ditch depth
18" 2.5'
24" 3.0'
36" 4.0'
48" 5.0'

TYPICAL "A"

No Scale

Back slopes are V1 H1 (1:1) or as staked

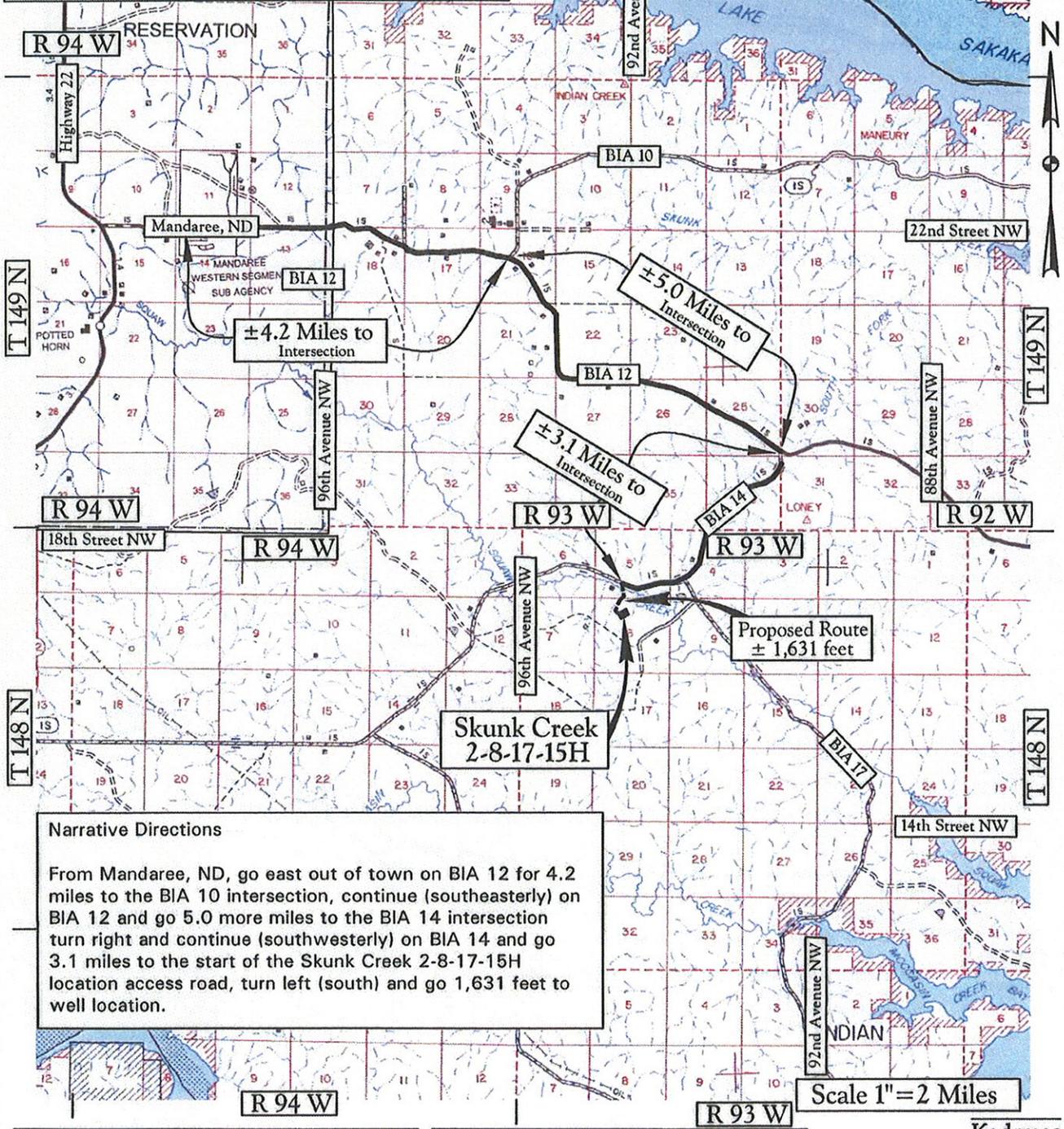
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Drawn By Roxy Crist	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale None	Date 11/18/2010
Field Book OW-215	Material Road Typical	Revised -	Project No. 3710723	Drawing No. 11

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Jackson**
Engineers Surveyors
Planners

Kodiak Oil & Gas Corp.
Skunk Creek 2-8-17-15H
515' FNL & 2153' FEL
NW1/4NE1/4 Section 8
T.148N., R.93W., 5th P.M.
Dunn County, ND

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Narrative Directions

From Mandaree, ND, go east out of town on BIA 12 for 4.2 miles to the BIA 10 intersection, continue (southeasterly) on BIA 12 and go 5.0 more miles to the BIA 14 intersection turn right and continue (southwesterly) on BIA 14 and go 3.1 miles to the start of the Skunk Creek 2-8-17-15H location access road, turn left (south) and go 1,631 feet to well location.

Map "A"
County Access Route

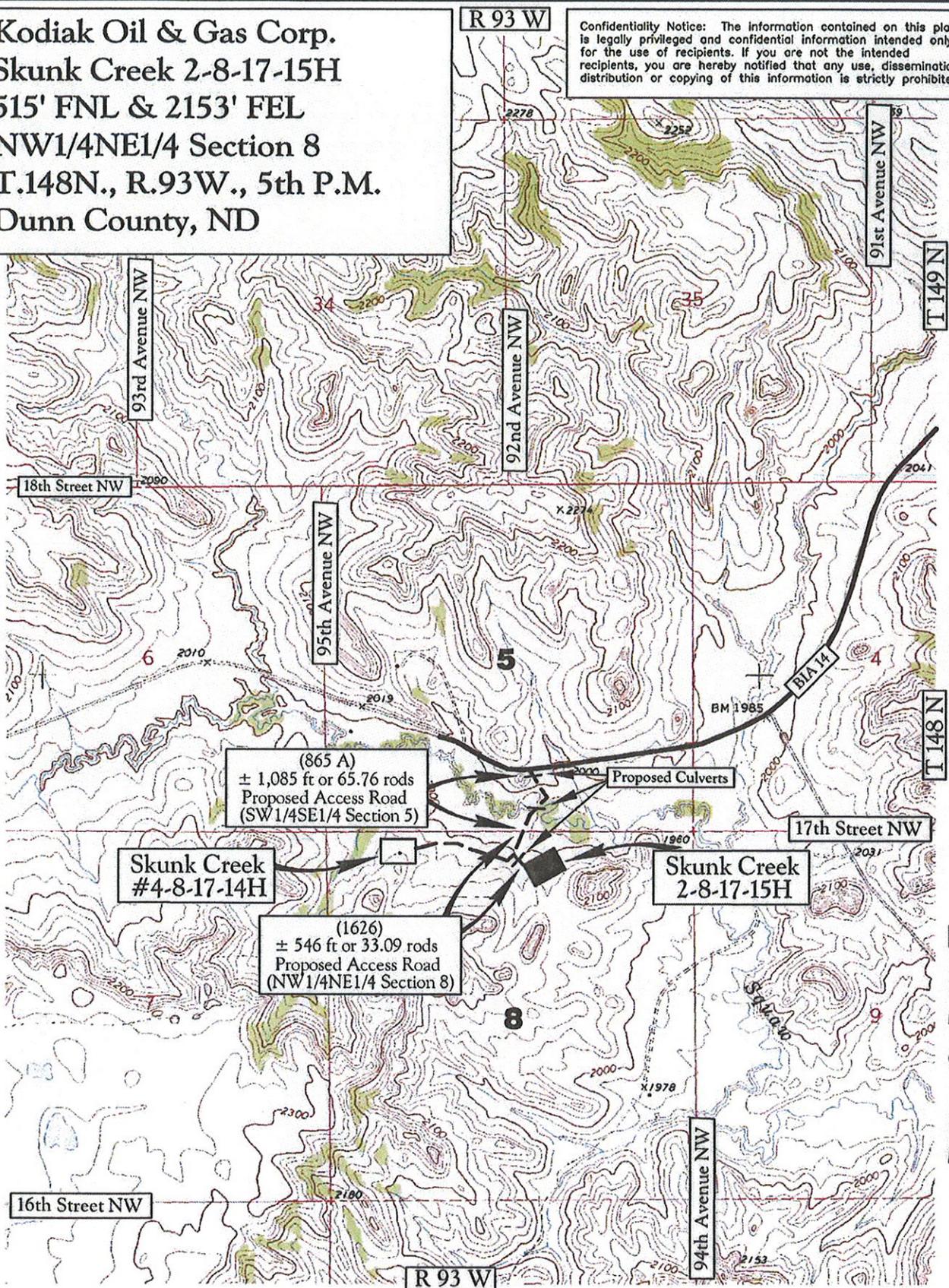
Legend
 Existing Roads —————
 Proposed Roads - - - - -

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 Engineers Surveyors
 Planners

Scale 1" = 2 Miles

Kodiak Oil & Gas Corp.
Skunk Creek 2-8-17-15H
515' FNL & 2153' FEL
NW1/4NE1/4 Section 8
T.148N., R.93W., 5th P.M.
Dunn County, ND

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Map "B"
Quad Access Route

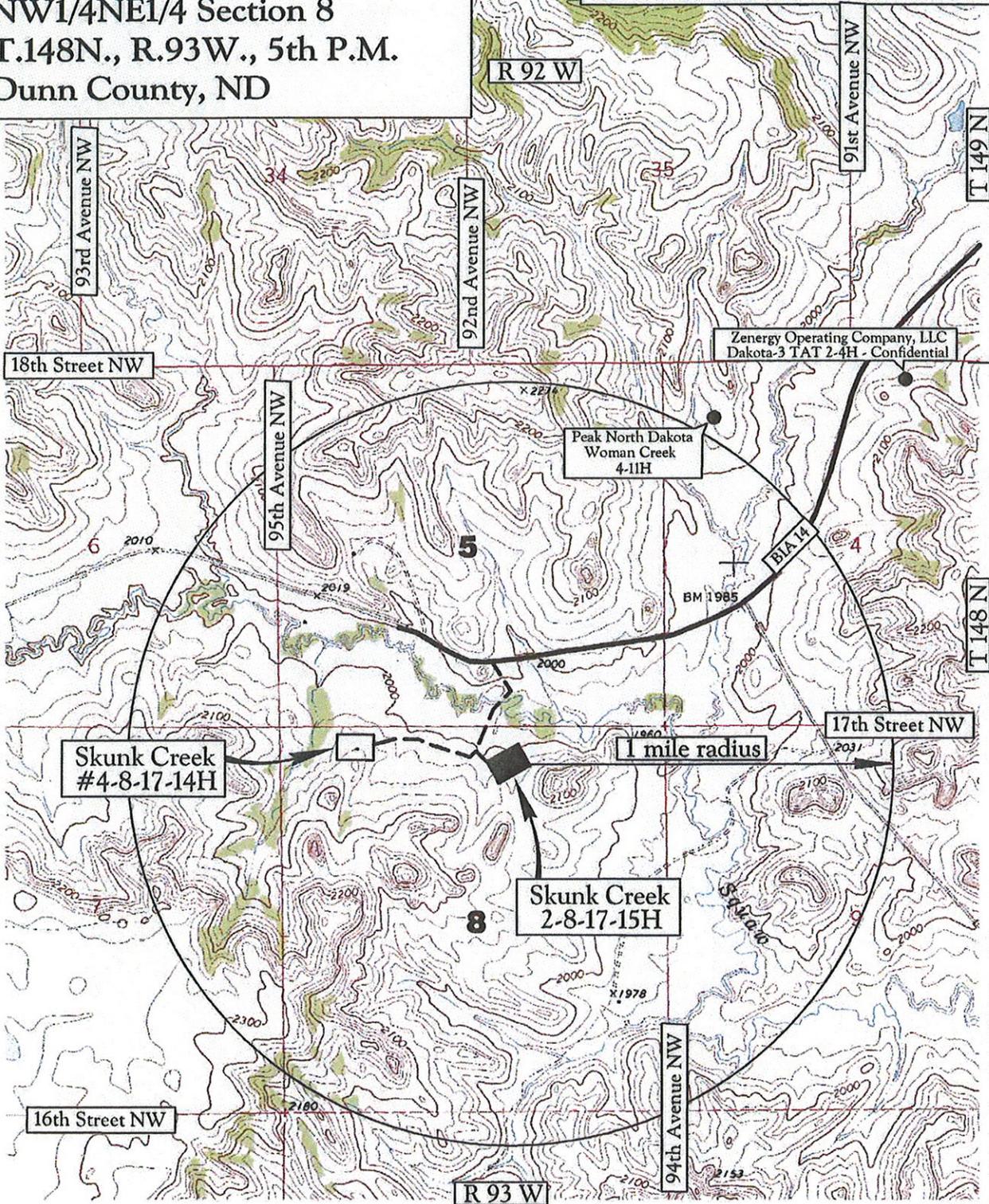
Legend
 Existing Roads —————
 Proposed Roads - - - - -

Scale 1" = 2000'

Kadmas
Lee &
Jackson
 Engineers Surveyors
 Planners

Kodiak Oil & Gas Corp.
Skunk Creek 2-8-17-15H
515' FNL & 2153' FEL
NW1/4NE1/4 Section 8
T.148N., R.93W., 5th P.M.
Dunn County, ND

Confidentiality Notice: The information contained on this plot is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited. The water wells shown on this map are approximate locations and were not staked by us but were obtained from the N.D. State Water Commission website.



Zenergy Operating Company, LLC
 Dakota-3 TAT 2-4H - Confidential

Peak North Dakota
 Woman Creek
 4-11H

Skunk Creek
 #4-8-17-14H

Skunk Creek
 2-8-17-15H

1 mile radius

Map "C"
One Mile Radius Map

Legend
 Existing Roads —————
 Proposed Roads - - - - -

Scale 1" = 2000'

Kadmas
Lee &
Jackson
 Engineers Surveyors
 Planners

Legend

wells

STATUS, WELL_TYPE

* A, AGD	○ DRL, AI	○ LOC, GASD
 A, AI	○ DRL, GASC	○ LOC, OG
 A, CBM	○ DRL, GASD	○ LOC, SWD
 A, DF	○ DRL, OG	○ LOC, WI
 A, DFP	○ DRL, SWD	✦ PA, DF
 A, GASC	○ DRL, WI	✦ PA, GASC
 A, GASD	◇ DRY, GASC	✦ PA, GASD
 A, GASN	◇ DRY, GASD	✦ PA, GS
● A, OG	◇ DRY, OG	✦ PA, OG
△ A, SWD	◇ DRY, ST	✦ PA, SWD
 A, WI	✦ EXP, GASD	✦ PA, WI
 A, WS	● EXP, OG	✦ PA, WS
 A, AI	 EXP, SWD	○ PNC, GASD
 AB, AI	 EXP, WS	○ PNC, OG
 AB, DF	 IA, AI	○ PNC, SWD
 AB, DFP	 IA, CBM	✕ TA, AI
 AB, GASC	 IA, DF	✕ TA, GASC
 AB, GASD	 IA, DFP	✕ TA, GASD
 AB, GI	 IA, GASC	✕ TA, OG
● AB, OG	 IA, GASD	✕ TA, SWD
△ AB, SWD	● IA, OG	✕ TA, WI
 AB, WI	△ IA, SWD	✕ TA, WS
 AB, WS	 IA, WI	✕ TAO, GI
● Confidential, Confidential	 IA, WS	✕ TAO, OG
	 IA, AI	✕ TAO, WI
	○ LOC, GASC	

A = Active, AB = Abandoned, DRL = Drilling, Dry = Dry, EXP = Expired, IA = Inactive, LOC = Location, PA = Producer Abandoned, PNC = Permit Now Cancelled
TA = Temporarily Abandoned, TAO = Temporarily Abandoned Observation.

AGD = Acid Gas Disposal, AI = Air Injection, DF = Dump Flood, DFP = Dump Flood Producing, GASN = Nitrogen Gas Well, GASC = Gas Condensate, GASD = Gas Dry,
GI = Gas Injection, GS = Gas Storage, OG = Oil or Gas Well, SWD = Salt Water Disposal, WI = Water Injection, WS = Water Supply, ST = Strat Test

Exhibit "D"
GIS Well Symbols

Kadmas
Lee &
Jackson
Engineers Surveyors
Planners



Prepared by M.D.I.C. Oil and Gas Division

Road Right-of-Way Description

A tract of land located in the SW1/4SE1/4 of Section 5 and in the NW1/4NE1/4 of Section 8, Township 148 North, Range 93 West of the 5th Principal Meridian, Dunn County, State of North Dakota, being more specifically described as a strip of land fifty (50) feet in width, lying twenty-five (25) feet on each side of the following described road centerline:

Commencing at the south quarter corner of said Section 5; thence on an azimuth of $016^{\circ}32'54''$, a distance of 933.32 feet to a point on the south shoulder of existing BIA 14 and the POINT OF BEGINNING; thence on an azimuth of $147^{\circ}35'29''$, a distance of 459.01 feet; thence on an azimuth of $223^{\circ}58'23''$, a distance of 346.17 feet; thence on an azimuth of $202^{\circ}22'10''$, a distance of 279.55 feet to a point on the south line of the SE1/4 of said Section 5; thence continuing in said Section 8 on an azimuth of $202^{\circ}22'10''$, a distance of 347.16 feet; thence on an azimuth of $134^{\circ}05'56''$, a distance of 198.36 feet to the POINT OF ENDING; said ending point being located on an azimuth of $158^{\circ}02'15''$, a distance of 565.95 feet from the north quarter corner of said Section 8.

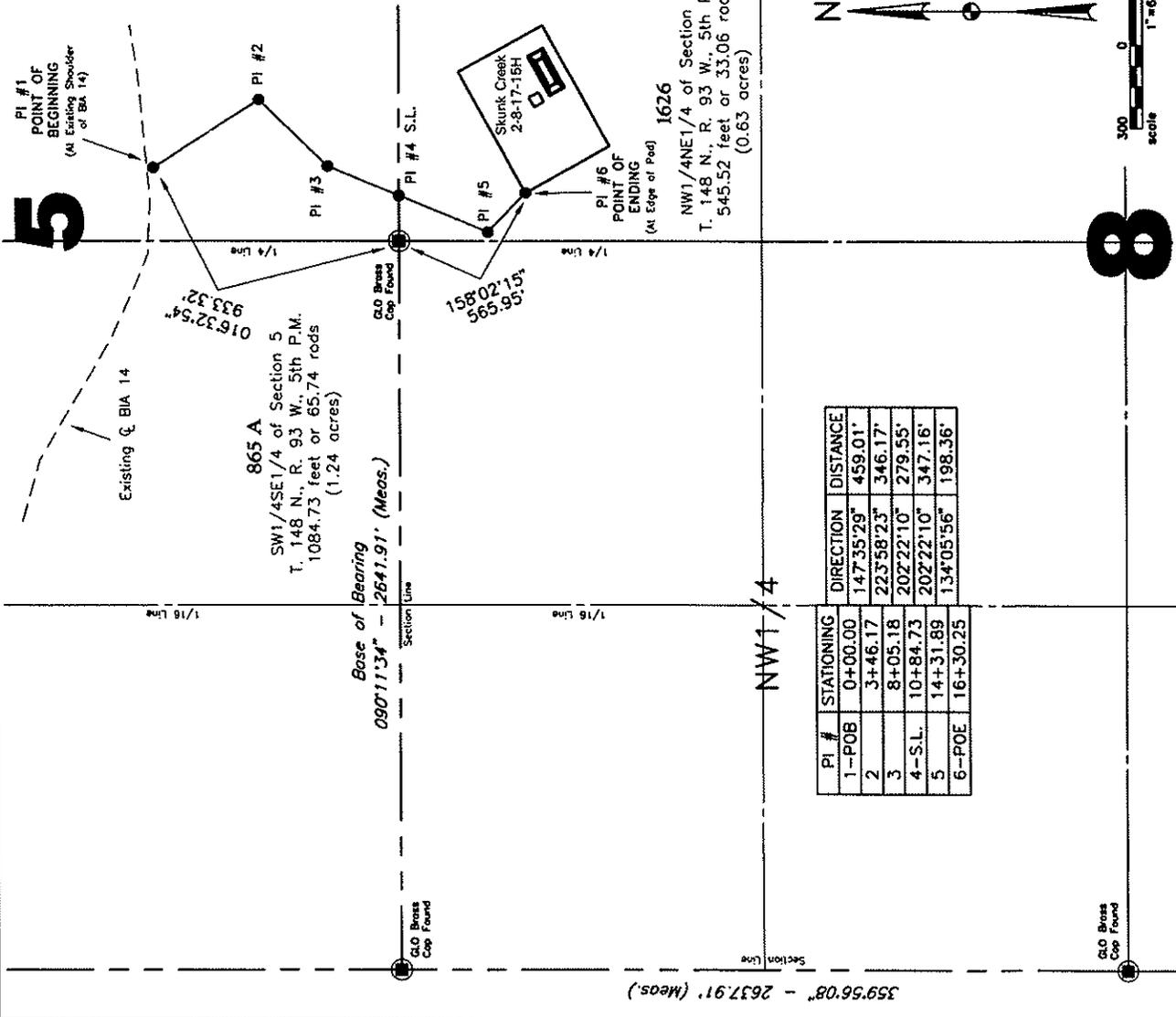
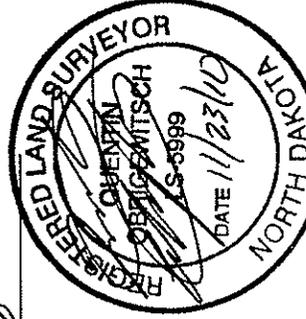
Said tract contains 1,630.25 feet or 98.80 rods (1.87 acres).

I, Quentin Obrigewitsch, Professional Land Surveyor, N.D. No. 5999, do hereby certify that the survey plat shown hereon was made by me, or under my direction, from notes made in the field, and the same is true and correct to the best of my knowledge and belief.

Quentin Obrigewitsch, Professional Land Surveyor N.D. No. 5999

Date

11/23/10



PI #	STATIONING	DIRECTION	DISTANCE
1-POB	0+00.00	147°35'29"	459.01'
2	3+46.17	223°58'23"	346.17'
3	8+05.18	202°22'10"	279.55'
4-S.L.	10+84.73	202°22'10"	347.16'
5	14+31.89	134°05'56"	198.36'
6-POE	16+30.25		

Rev'd. Skunk Creek 2-8-17-15H
 Kodiak Oil & Gas Corp.
 1625 Broadway, Suite 250, Denver, Colorado 80202

Kadimas Lee & Jackson
 Engineers Surveyors Planners

Project No. 3710723
 Date 11/18/2010

Sheet No. 16

Section 5, T148N, R93W, 5th PM
 Section 8, T148N, R93W, 5th PM
 Dunn County, North Dakota

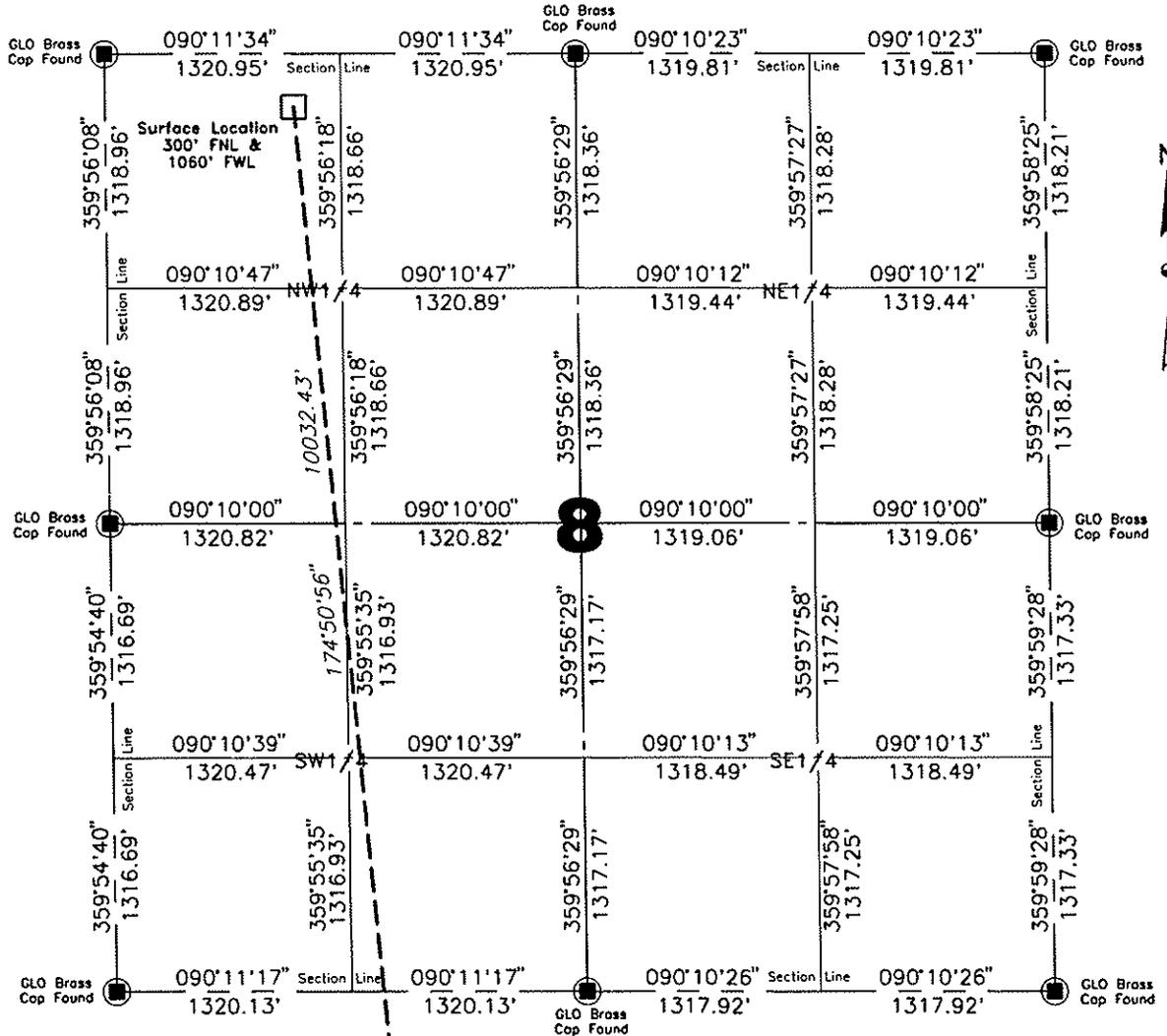
Scale: 1" = 600'

HORIZONTAL SECTION PLAT

Kodiak Oil & Gas Corp.
1625 Broadway, Suite 250 Denver, Colorado 80202
Skunk Creek #4-8-17-14H

300 feet from the north line and 1060 feet from the west line (surface location)
Section 8, T. 148 N., R. 93 W., 5th P.M.
250 feet from the south line and 1950 feet from the west line (bottom location)
Section 17, T. 148 N., R. 93 W., 5th P.M.
Dunn County, North Dakota
Surface owner @ well site - 2191 A

Latitude 47°39'35.30" North; Longitude 102°33'47.04" West (surface location)
Latitude 47°37'56.71" North; Longitude 102°33'33.79" West (bottom hole location)
[Derived from OPUS Solution NAD-83(CORS96)]

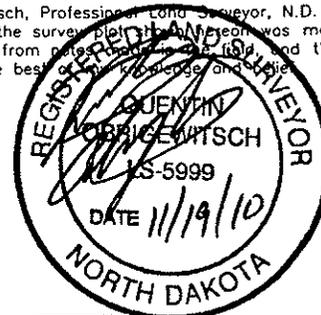


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Scale 1"=1000'

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All corners shown on this plat were found in the field during Kodiak Oil & Gas Corp., Skunk Creek #4-18-17-14H oil well survey on August 26, 2009. Distances to all others are calculated. All azimuths are based on the west line of the NW1/4 of Section 8, being on an azimuth of 359°56'08".



Kadmas
Lee &
Jackson
Engineers Surveyors
Planners

Surveyed By Jay Northrop	Field Book OW-215
Computed & Drawn By R.C./B.C	Project No. 3709235

Revised: 11/17/2010

DATE

HORIZONTAL SECTION PLAT

Kodiak Oil & Gas Corp.
1625 Broadway, Suite 250 Denver, Colorado 80202

Skunk Creek #4-8-17-14H

300 feet from the north line and 1060 feet from the west line (surface location)

Section 8, T. 148 N., R. 93 W., 5th P.M.

250 feet from the south line and 1950 feet from the west line (bottom location)

Section 17, T. 148 N., R. 93 W., 5th P.M.

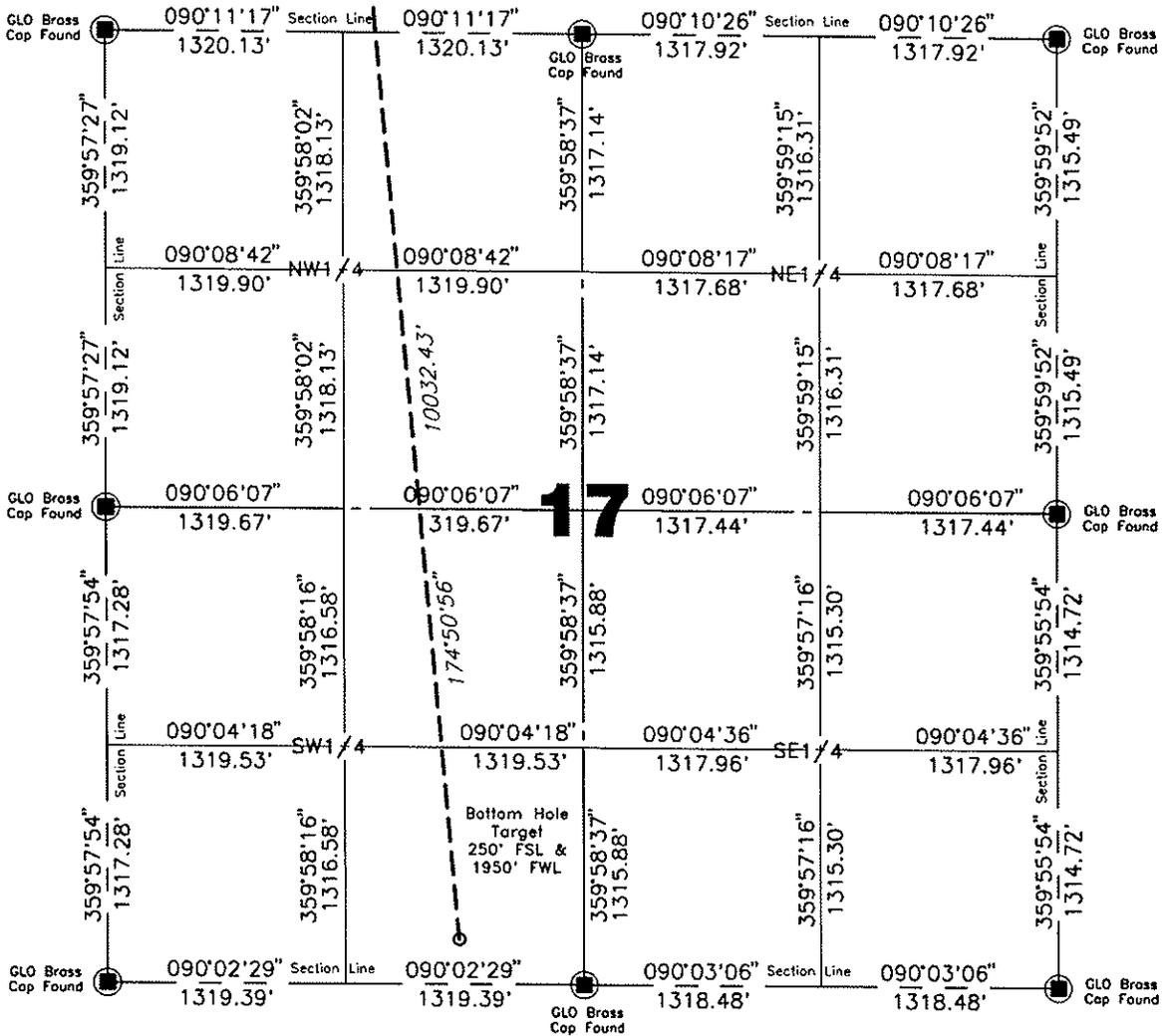
Dunn County, North Dakota

Surface owner @ well site - 2191 A

Latitude 47°39'35.30" North; Longitude 102°33'47.04" West (surface location)

Latitude 47°37'56.71" North; Longitude 102°33'33.79" West (bottom hole location)

[Derived from OPUS Solution NAD-83(CORS96)]

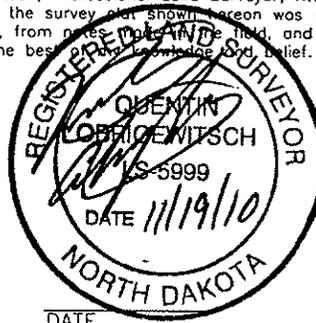


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All corners shown on this plat were found in the field during Kodiak Oil & Gas Corp., Skunk Creek #4-18-17-14H oil well survey on August 26, 2009. Distances to all others are calculated. All azimuths are based on the west line of the NW1/4 of Section 17, being on an azimuth of 359°57'27".



**Kadmas
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Jackson**
Engineers Surveyors
Planners

Surveyed By Jay Northrop	Field Book OW-215
Computed & Drawn By R.C./B.C	Project No. 3709235

Revised: 11/17/2010

DATE

BOTTOM HOLE LOCATION PLAT

Kodiak Oil & Gas Corp.
 1625 Broadway, Suite 250 Denver, Colorado 80202
Skunk Creek #4-8-17-14H

300 feet from the north line and 1060 feet from the west line (surface location)

Section 8, T. 148 N., R. 93 W., 5th P.M.

250 feet from the south line and 1950 feet from the west line (bottom location)

Section 17, T. 148 N., R. 93 W., 5th P.M.

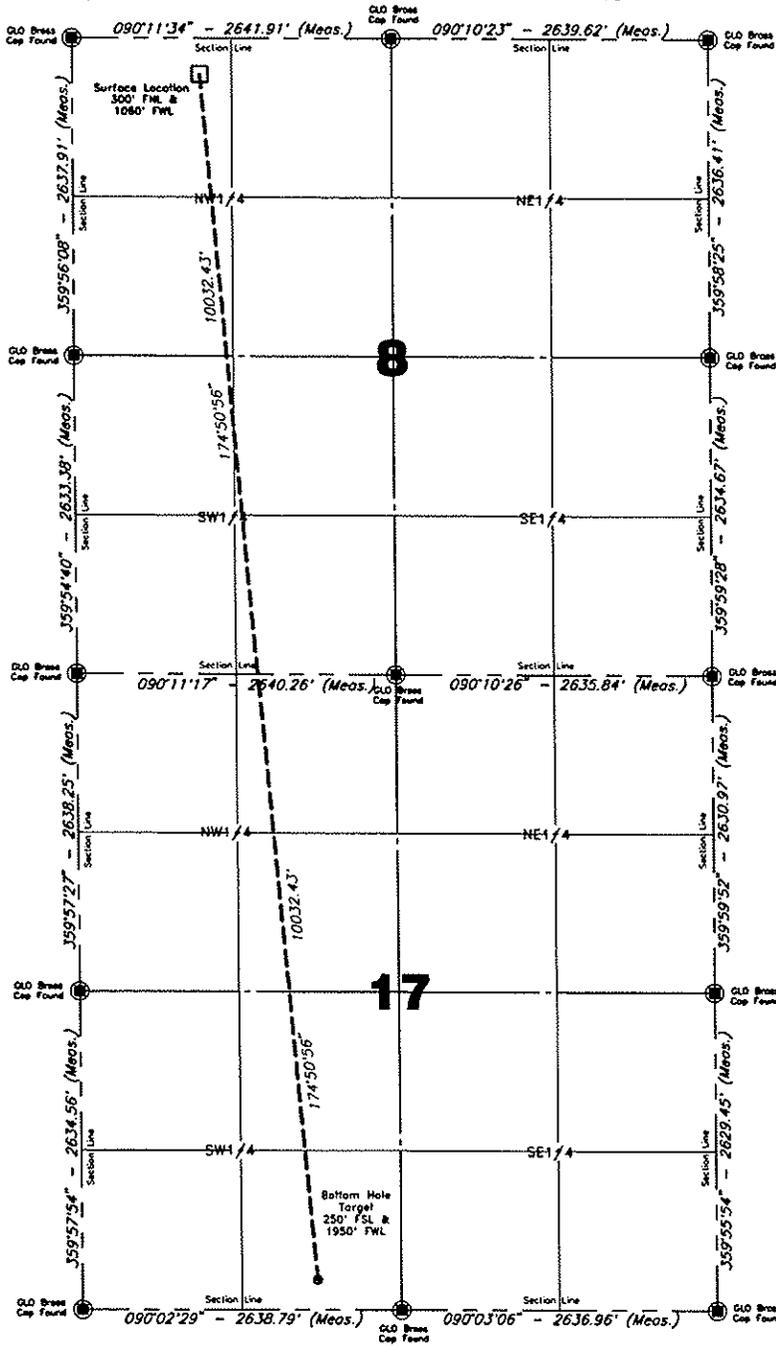
Dunn County, North Dakota

Surface owner @ well site - 2191 A

Latitude 47°39'35.30" North; Longitude 102°33'47.04" West (surface location)

Latitude 47°37'56.71" North; Longitude 102°33'33.79" West (bottom hole location)

[Derived from OPUS Solution NAD-83(CORS96)]



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Surveyed By Jay Northrop	Computed & Drawn By R.C./B.C	Approved By Q. Obrigewitsch	Scale 1"=1500'	Date 9/8/2009
Field Book OW-215	Material B.H. Layout	Revised 11/17/2010	Project No. 3709235	Drawing No. 4

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Kodiak Oil & Gas Corporation
Skunk Creek #4-8-17-14H
Section 8, T. 148 N., R. 93 W., 5th P.M.
Dunn County, North Dakota

Well Site Elevation 2053.9' MSL
 Well Pad Elevation 2049.0' MSL

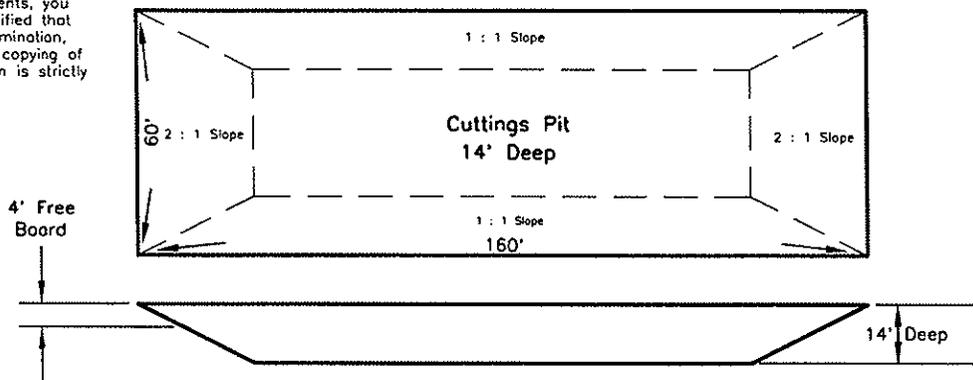
Excavation	24,445 C.Y.
Plus Pit	3,150 C.Y.
	27,595 C.Y.
Embankment	15,215 C.Y.
Plus Shrinkage (+30%)	4,565 C.Y.
	19,780 C.Y.
Stockpile Pit	3,150 C.Y.
Stockpile Top Soil (6")	3,725 C.Y.
Road Embankment & Stockpile from Pad	940 C.Y.
Disturbed Area From Pad	4.61 Acres

NOTE :
 All cut end slopes are designed at 1:1 slopes &
 All fill end slopes are designed at 1 1/2:1 slopes

Well Site Location

300' FNL
 1060' FWL

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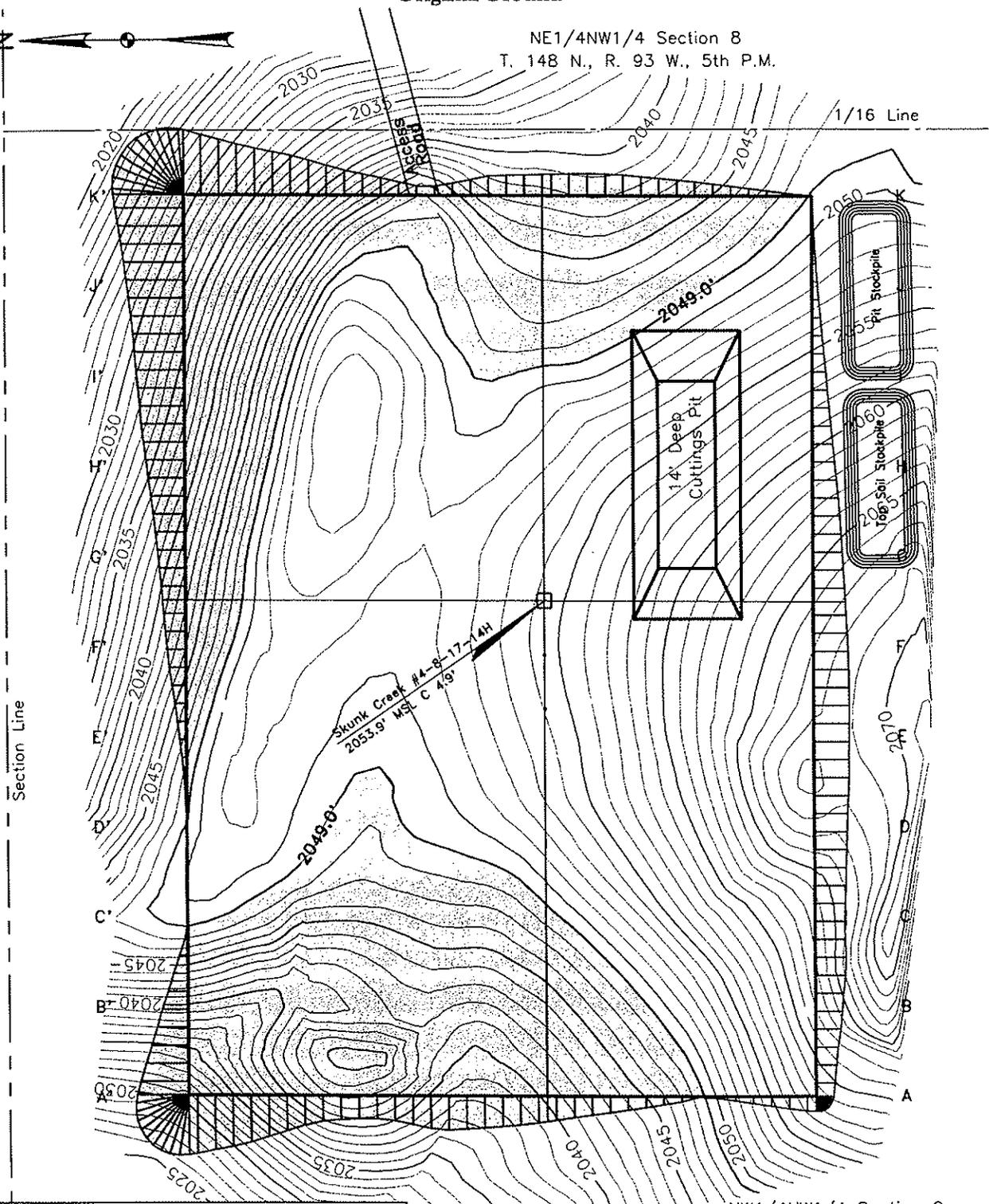


Drawn By R.C./B.C	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale None	Date 9/9/2009
Field Book OW-215	Material Quantities	Revised 11/18/2010	Project No. 3709235	Drawing No. 5

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Skunk Creek #4-8-17-14H Original Ground

NE1/4NW1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.



NW1/4NW1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.

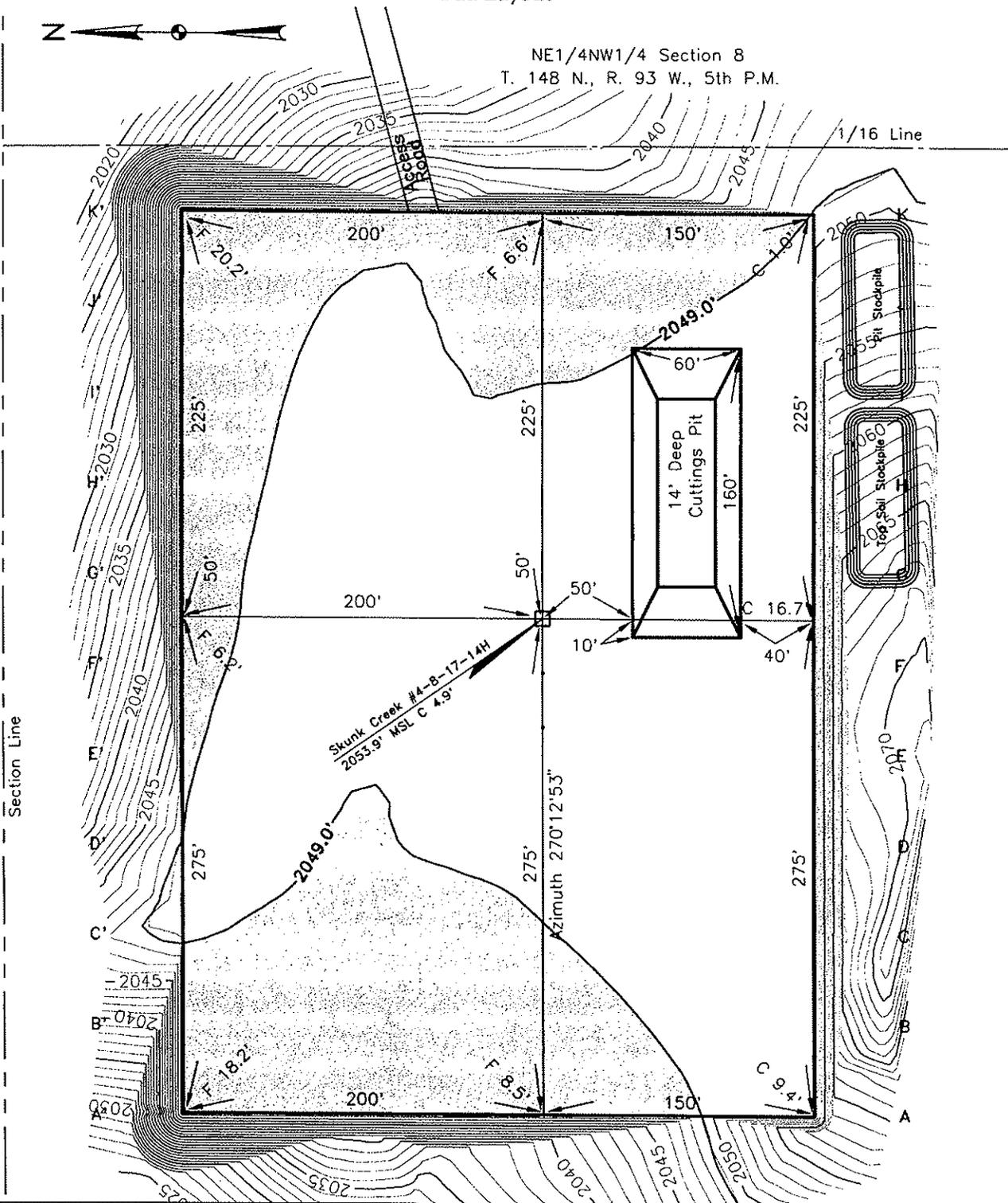
Confidentiality Notice: The information contained on this plot is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.

Drawn By R.C./B.C	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 9/9/2009
Field Book OW-215	Material Original Ground	Revised 11/18/2010	Project No. 3709235	Drawing No. 6

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Jackson**
Engineers Surveyors
Planners

Skunk Creek #4-8-17-14H Pad Layout

NE1/4NW1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.



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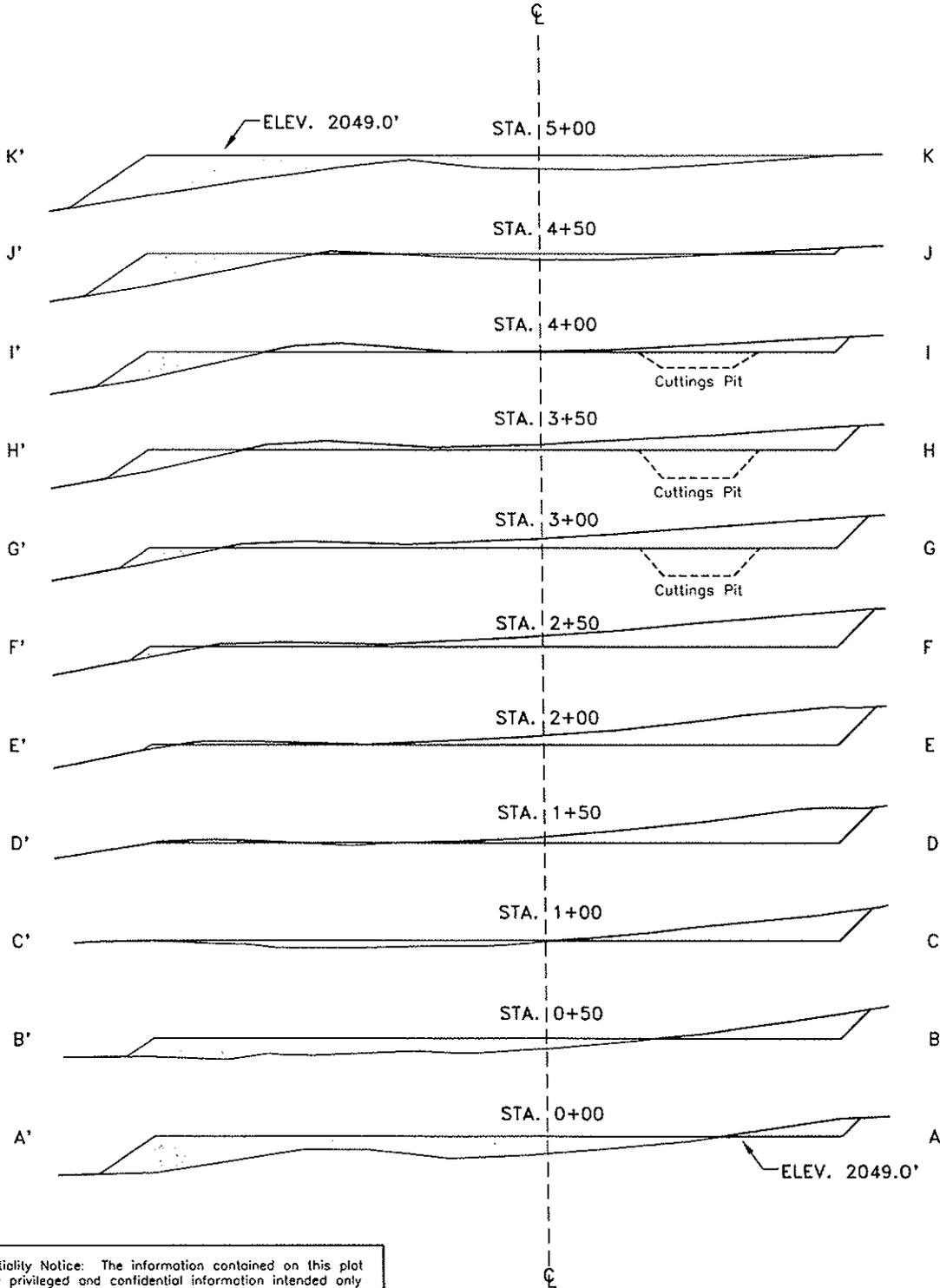
NW1/4NW1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.

Drawn By R.C./B.C	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 9/9/2009
Field Book OW-215	Material Pad Layout	Revised 11/18/2010	Project No. 3709235	Drawing No. 7

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Skunk Creek #4-8-17-14H

Cross Sections



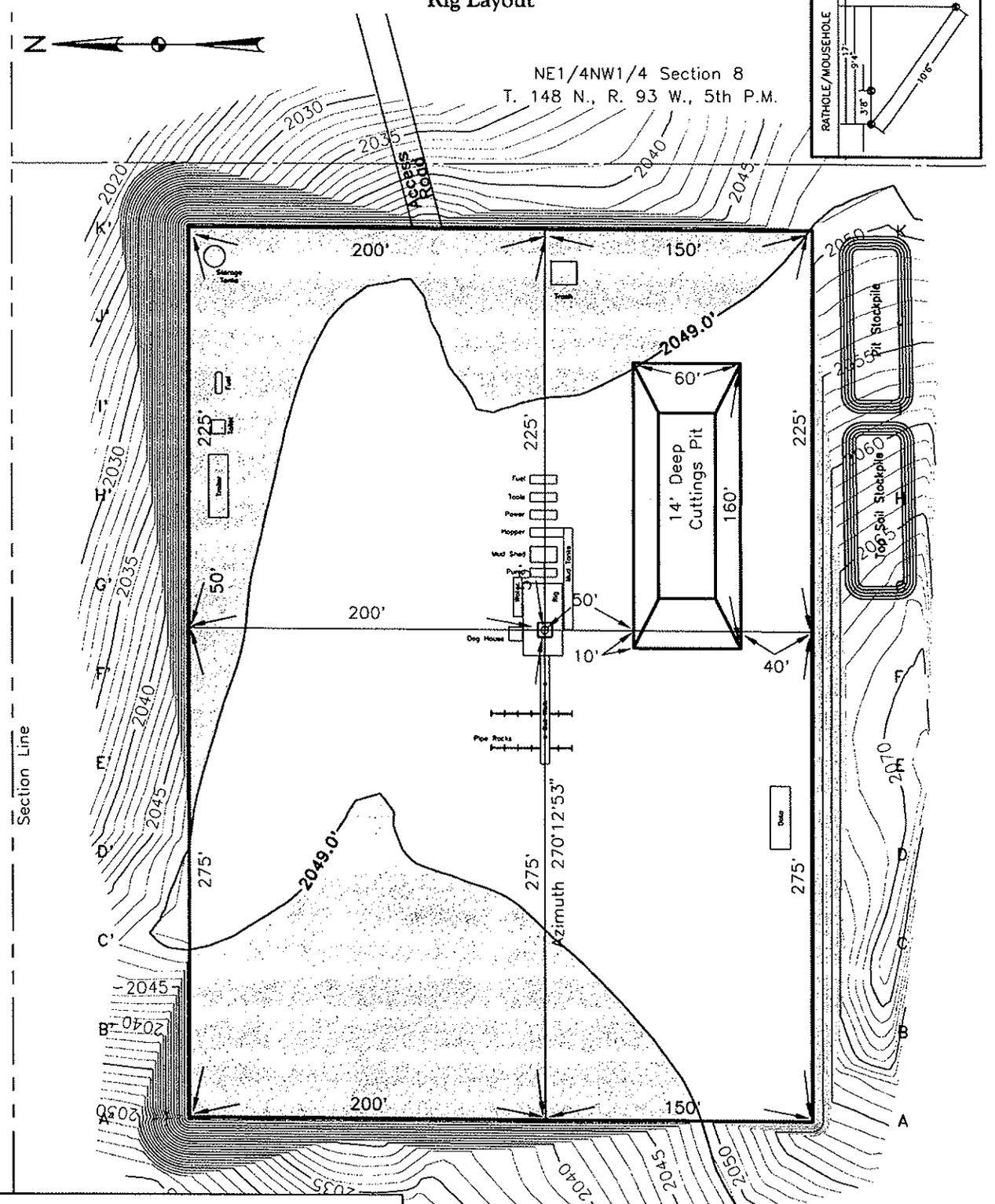
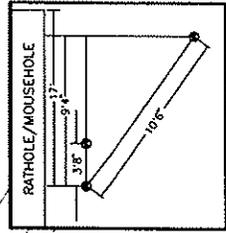
Confidentiality Notice: The information contained on this plot is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.

Drawn By R.C./B.C	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 9/9/2009
Field Book OW-215	Material Cross Sections	Revised 11/18/2010	Project No. 3709235	Drawing No. 8

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Skunk Creek #4-8-17-14H Rig Layout

NE1/4NW1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.



Section Line

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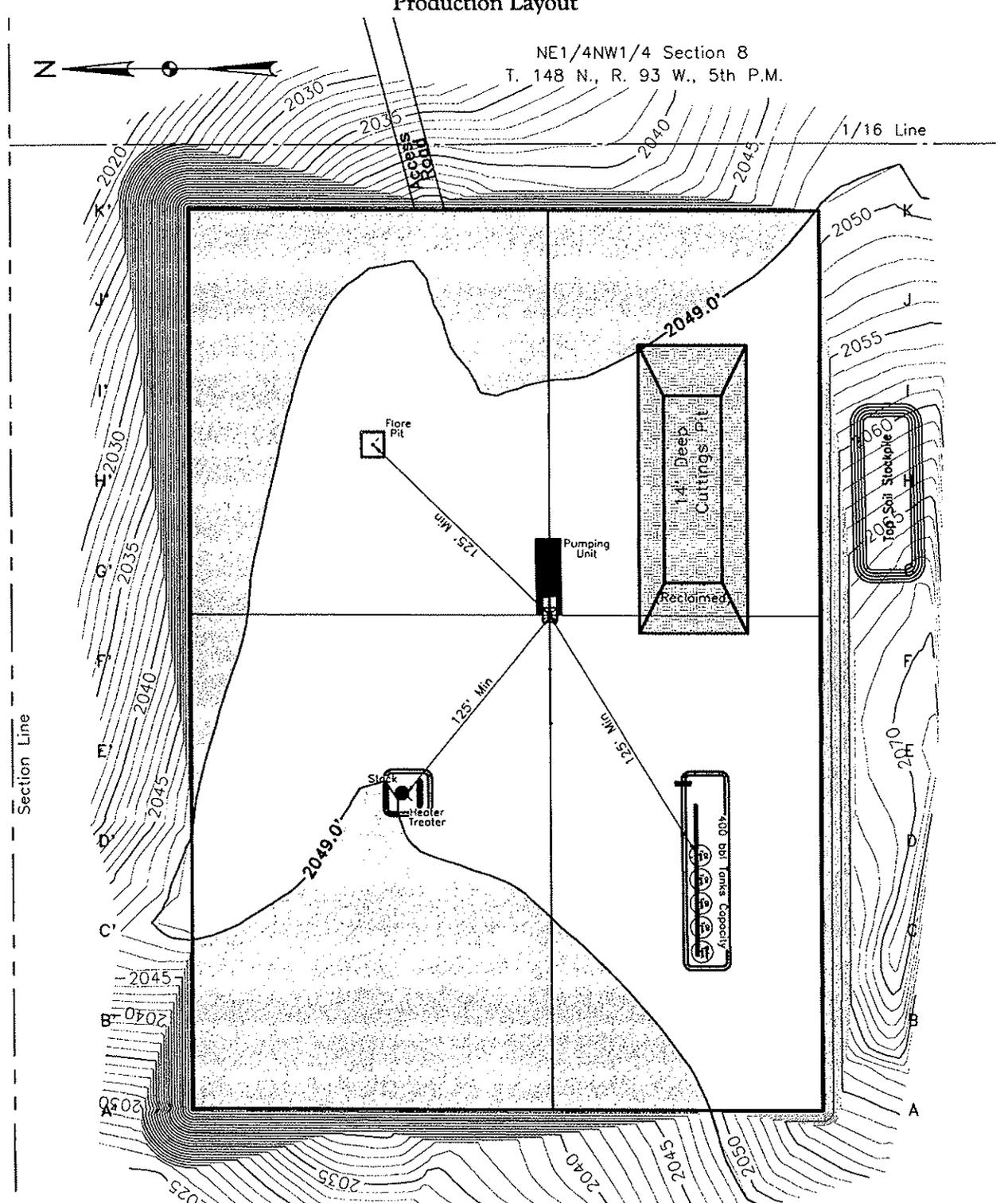
NW1/4NW1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.

Drawn By R.C./B.C	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 9/9/2009
Field Book OW-215	Material Rig Layout	Revised 11/18/2010	Project No. 3709235	Drawing No. 9

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Skunk Creek #4-8-17-14H Production Layout

NE1/4NW1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.



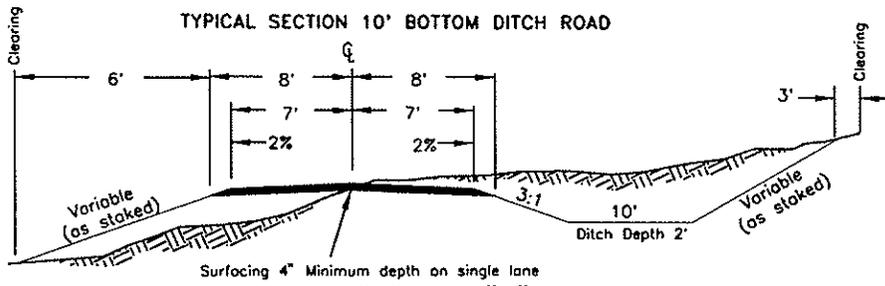
NW1/4NW1/4 Section 8
T. 148 N., R. 93 W., 5th P.M.

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Drawn By R.C./B.C	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 9/9/2009
Field Book OW-215	Material Prod Layout	Revised 11/18/2010	Project No. 3709235	Drawing No. 10

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Skunk Creek #4-8-17-14H Roadway Typical Sections



Surfacing 4" Minimum depth on single lane

TYPICAL "B"

No Scale

FILL SLOPES

3:1 Under 4' Height
2:1 Over 4' Height
(-) Slopes steeper than 2:1 will be subject to FS approval

FILL WIDENING

2' to 5' high/odd 1'
Over 5' high/odd 2'

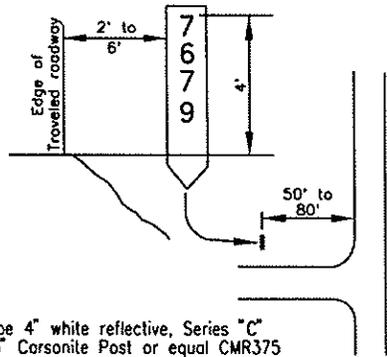
CUT SLOPES

3:1 Under 10' height
2:1 10' to 20' height
(-) Variable over 20' height W/FS approval

CURVE WIDENING

130 / R

TYPICAL SECTION VERTICAL ROUTE MARKER



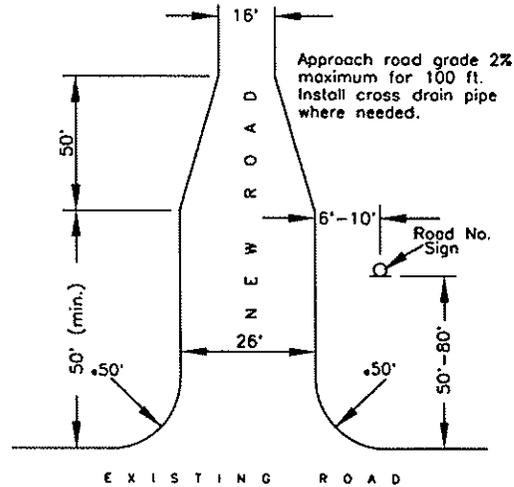
Letters shall be 4" white reflective, Series "C" on Brown 6" 6" Corsonite Post or equal CMR375

Figure 11-28.- Typical Signage for Vertical Route Markers

TYPICAL "F"

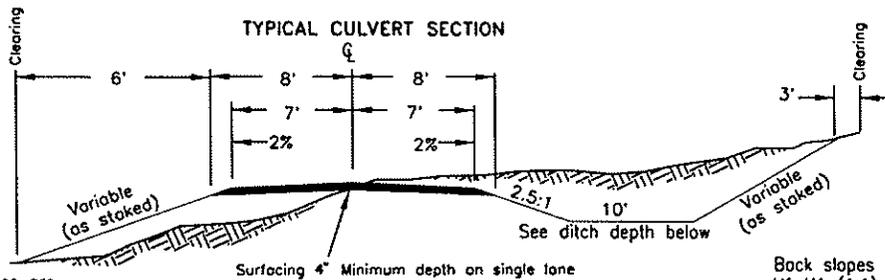
No Scale

TYPICAL APPROACH ROAD CONNECTION



Approach road grade 2% maximum for 100 ft. Install cross drain pipe where needed.

•As noted on road sheets



Surfacing 4" Minimum depth on single lane

TYPICAL "A"

No Scale

Fill slopes are V1 H1.5 (1.5:1) or as staked

Ditch width shall be the larger of the following:
A. Standard ditch width
B. 2 times the pipe diameter
C. 4.25'

Ditch depth shall be:	CMP diameter	Ditch depth
	18"	2.5'
	24"	3.0'
	36"	4.0'
	48"	5.0'

Back slopes are V1 H1 (1:1) or as staked

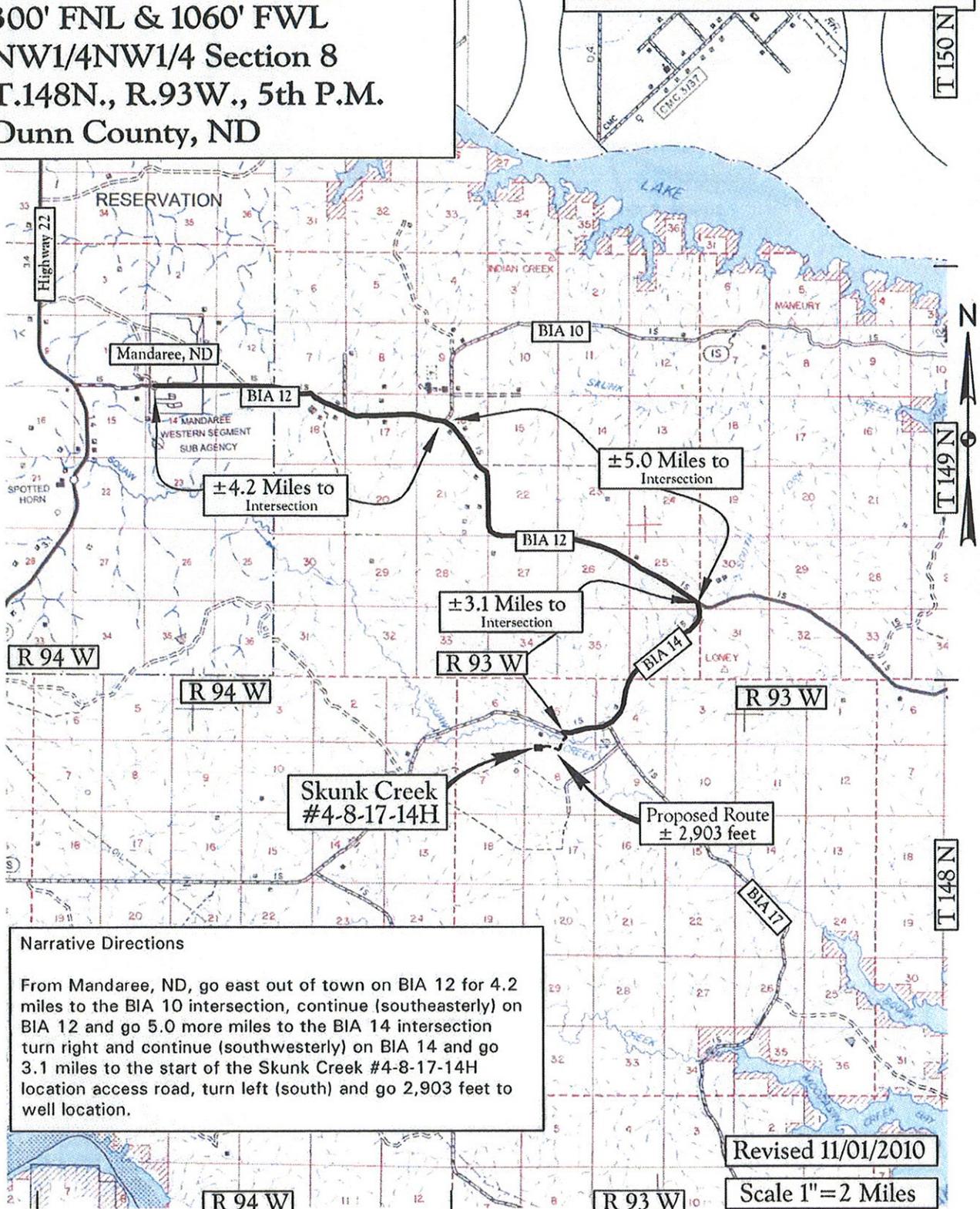
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**Kadmas
Lee &
Jackson**
Engineers Surveyors
Planners

Drawn By R.C./B.C	Surveyed By Jay Northrop	Approved By Rick Leach	Scale None	Date 9/9/2009
Field Book OW-215	Material Road Typical	Revised 7/21/2010	Project No. 3709235	Drawing No. 11

Kodiak Oil & Gas Corp.
Skunk Creek #4-8-17-14H
300' FNL & 1060' FWL
NW1/4NW1/4 Section 8
T.148N., R.93W., 5th P.M.
Dunn County, ND

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Narrative Directions

From Mandaree, ND, go east out of town on BIA 12 for 4.2 miles to the BIA 10 intersection, continue (southeasterly) on BIA 12 and go 5.0 more miles to the BIA 14 intersection turn right and continue (southwesterly) on BIA 14 and go 3.1 miles to the start of the Skunk Creek #4-8-17-14H location access road, turn left (south) and go 2,903 feet to well location.

Revised 11/01/2010

Scale 1" = 2 Miles

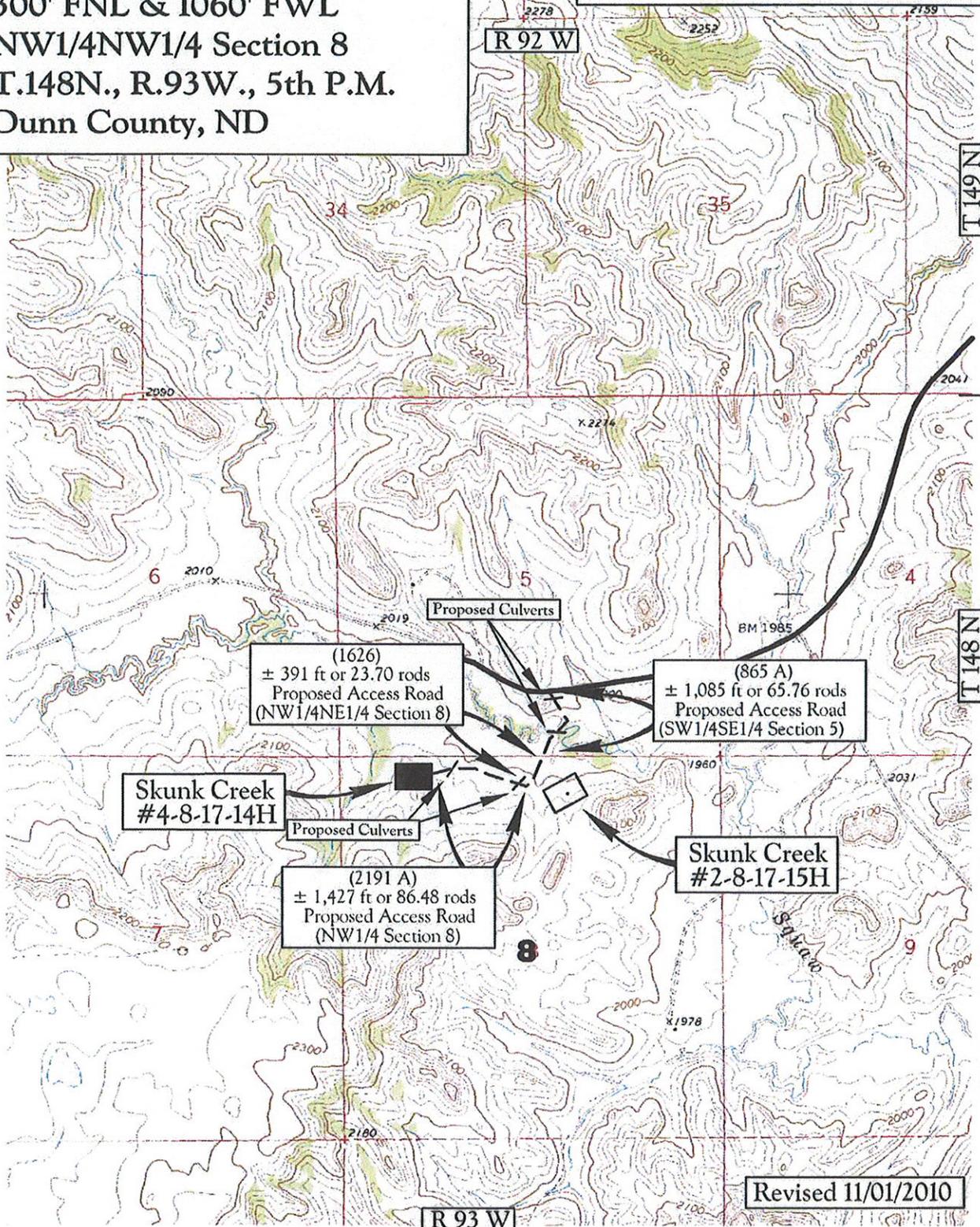
Map "A"
County Access Route

Legend	
Existing Roads	
Proposed Roads	

Kadmas
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Kodiak Oil & Gas Corp.
Skunk Creek #4-8-17-14H
300' FNL & 1060' FWL
NW1/4NW1/4 Section 8
T.148N., R.93W., 5th P.M.
Dunn County, ND

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(1626)
 ± 391 ft or 23.70 rods
 Proposed Access Road
 (NW1/4NE1/4 Section 8)

(865 A)
 ± 1,085 ft or 65.76 rods
 Proposed Access Road
 (SW1/4SE1/4 Section 5)

**Skunk Creek
 #4-8-17-14H**

**Skunk Creek
 #2-8-17-15H**

(2191 A)
 ± 1,427 ft or 86.48 rods
 Proposed Access Road
 (NW1/4 Section 8)

Revised 11/01/2010

Map "B"
Quad Access Route

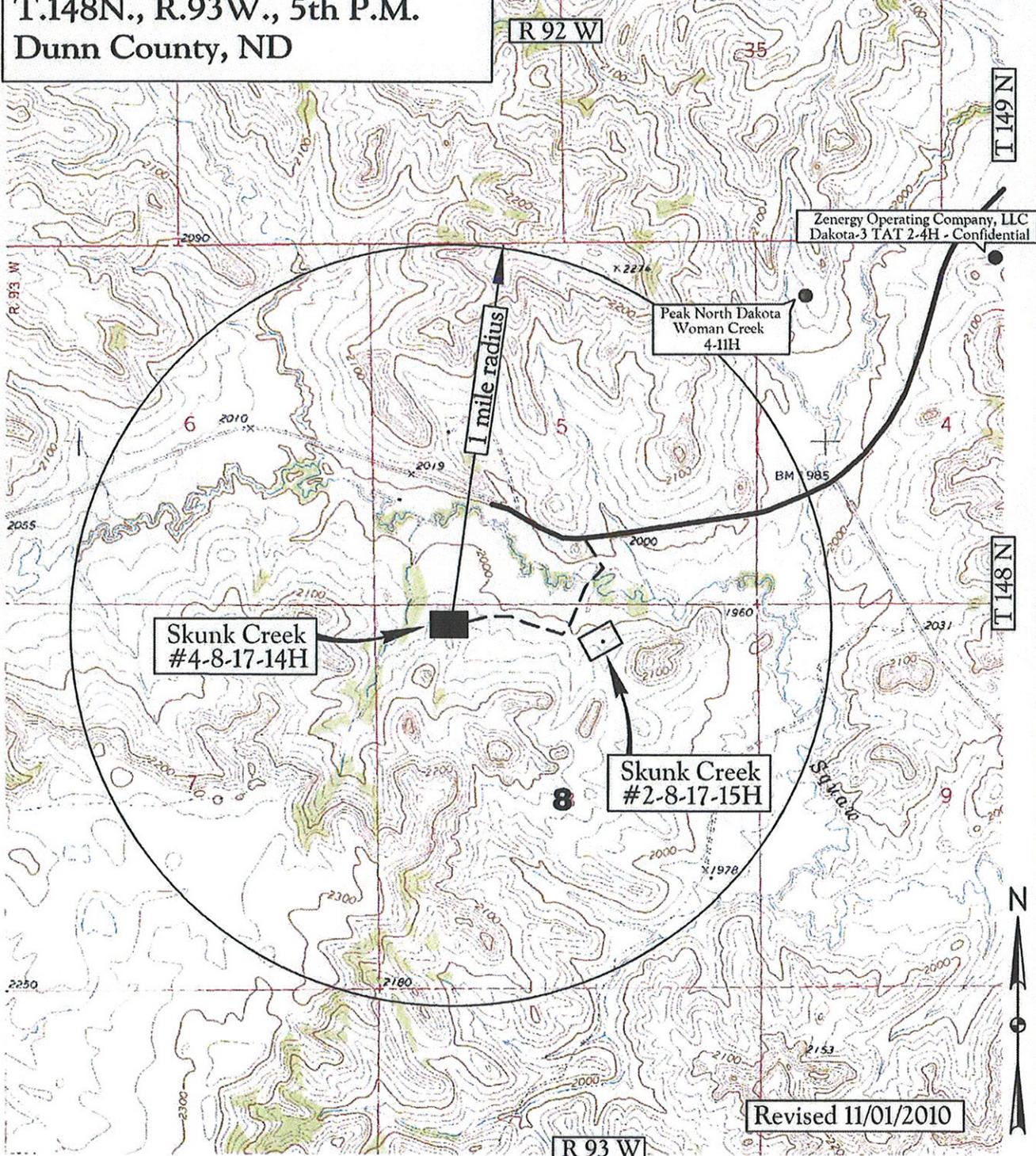
Legend
 Existing Roads —————
 Proposed Roads - - - - -

Scale 1" = 2000'

**Kadmas
 Lee &
 Jackson**
 Engineers Surveyors
 Planners

Kodiak Oil & Gas Corp.
Skunk Creek #4-8-17-14H
300' FNL & 1060' FWL
NW1/4NW1/4 Section 8
T.148N., R.93W., 5th P.M.
Dunn County, ND

Confidentiality Notice: The information contained on this plot is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited. The water wells shown on this map are approximate locations and were not staked by us but were obtained from the N.D. State Water Commission website.



Skunk Creek #4-8-17-14H

Peak North Dakota Woman Creek 4-11H

Skunk Creek #2-8-17-15H

**Zenergy Operating Company, LLC
 Dakota-3 TAT 2-4H - Confidential**

Revised 11/01/2010



Map "C"
One Mile Radius Map

Legend
 Existing Roads —————
 Proposed Roads - - - - -

Scale 1" = 2000'

**Kadmas
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 Jackson**
 Engineers Surveyors
 Planners

Legend

wells

STATUS, WELL_TYPE

 A, AGD	 DRL, AI	 LOC, GASD
 A, AI	 DRL, GASC	 LOC, OG
 A, CBM	 DRL, GASD	 LOC, SWD
 A, DF	 DRL, OG	 LOC, WI
 A, DFP	 DRL, SWD	 PA, DF
 A, GASC	 DRL, WI	 PA, GASC
 A, GASD	 DRY, GASC	 PA, GASD
 A, GASN	 DRY, GASD	 PA, GS
 A, OG	 DRY, OG	 PA, OG
 A, SWD	 DRY, ST	 PA, SWD
 A, WI	 EXP, GASD	 PA, WI
 A, WS	 EXP, OG	 PA, WS
 A,AI	 EXP, SWD	 PNC, GASD
 AB, AI	 EXP, WS	 PNC, OG
 AB, DF	 IA, AI	 PNC, SWD
 AB, DFP	 IA, CBM	 TA, AI
 AB, GASC	 IA, DF	 TA, GASC
 AB, GASD	 IA, DFP	 TA, GASD
 AB, GI	 IA, GASC	 TA, OG
 AB, OG	 IA, GASD	 TA, SWD
 AB, SWD	 IA, OG	 TA, WI
 AB, WI	 IA, SWD	 TA, WS
 AB, WS	 IA, WI	 TAO, GI
 Confidential, Confidential	 IA, WS	 TAO, OG
	 IA,AI	 TAO, WI
	 LOC, GASC	

A = Active, AB = Abandoned, DRL = Drilling, Dry = Dry, EXP = Expired, IA = Inactive, LOC = Location, PA = Producer Abandoned, PNC = Permit Now Cancelled
TA = Temporarily Abandoned, TAO = Temporarily Abandoned Observation.

AGD = Acid Gas Disposal, AI = Air Injection, DF = Dump Flood, DFP = Dump Flood Producing, GASN = Nitrogen Gas Well, GASC = Gas Condensate, GASD = Gas Dry,
GI = Gas Injection, GS = Gas Storage, OG = Oil or Gas Well, SWD = Salt Water Disposal, WI = Water Injection, WS = Water Supply, ST = Strat Test

Exhibit "D"
GIS Well Symbols

Kadmas
Lee &
Jackson
Engineers Surveyors
Planners



Prepared by N.D.I.C. Oil and Gas Division

Kodiak Oil & Gas Corp. Skunk Creek #4-8-17-14H
 300' FNL & 1060' FWL NW1/4NW1/4 Section 8
 T.148N., R.93W., 5th P.M.
 Dunn County, ND



PHOTO: VIEW OF WELL STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW 225' BACK OF PAD

CAMERA ANGLE: NORTHWESTERLY

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Revised 11/01/2010

Location Photos
 Exhibit A

Date: 9/10/2009
 Taken By: Jay Northrop
 Drawn By: Roxy Crist

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 Lee &
 Jackson
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 Planners

Road Right-of-Way Description

A tract of land located in the SW1/4SE1/4 of Section 5 and in the NW1/4NE1/4 and NW1/4 of Section 8, Township 148 North, Range 93 West of the 5th Principal Meridian, Dunn County, State of North Dakota, being more specifically described as a strip of land fifty (50) feet in width, lying twenty-five (25) feet on each side of the following described road centerline:

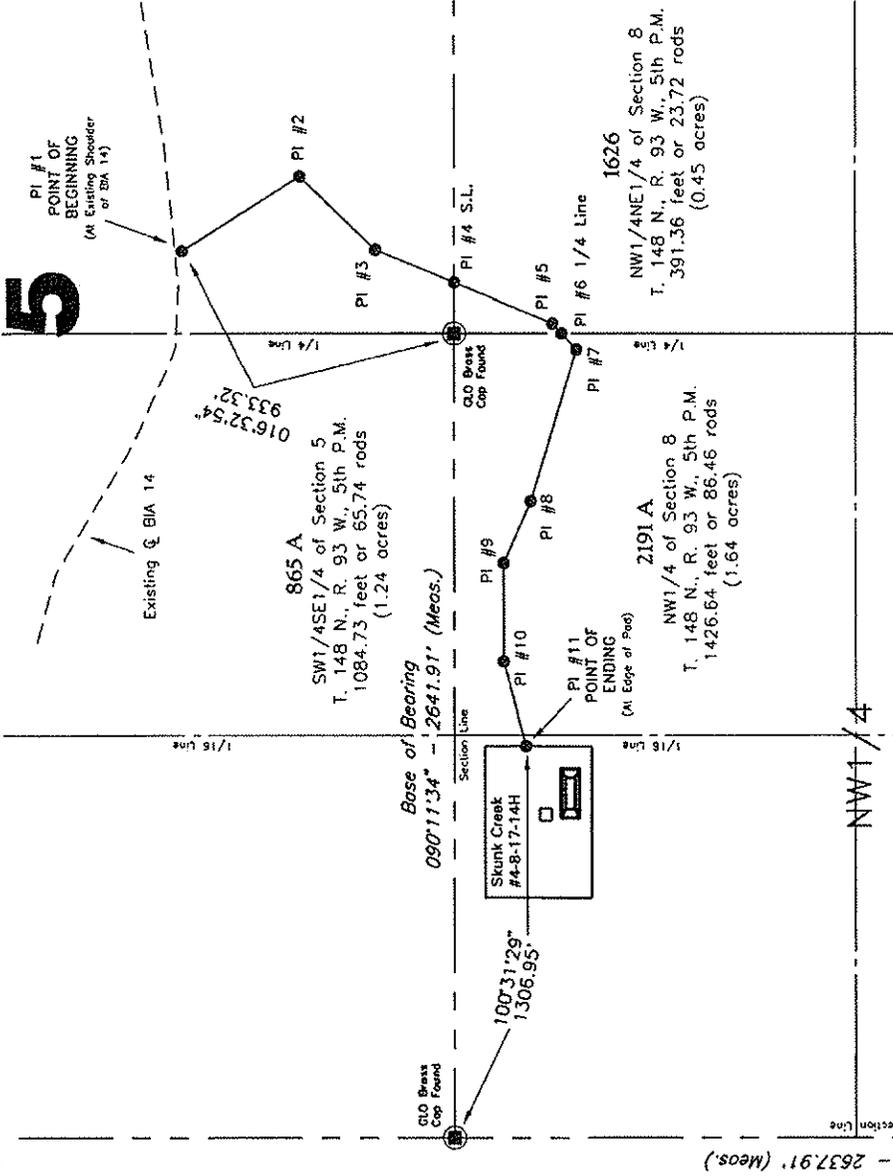
Commencing at the south quarter corner of said Section 5; thence on an azimuth of $016^{\circ}32'54''$, a distance of 933.32 feet to a point on the south shoulder of existing BIA 14 and the POINT OF BEGINNING; thence on an azimuth of $147^{\circ}35'29''$, a distance of 459.01 feet; thence on an azimuth of $223^{\circ}58'23''$, a distance of 346.17 feet; thence on an azimuth of $202^{\circ}22'10''$, a distance of 279.55 feet to a point on the south line of the SE1/4 of said Section 5; thence continuing in the NW1/4NE1/4 of said Section 8 on an azimuth of $202^{\circ}22'10''$, a distance of 347.16 feet; thence on an azimuth of $227^{\circ}32'31''$, a distance of 44.20 feet to a point on the west line of the NE1/4 of said Section 8; thence continuing in the NW1/4 of said Section 8 on an azimuth of $227^{\circ}32'31''$, a distance of 71.85 feet; thence on an azimuth of $286^{\circ}53'00''$, a distance of 522.08 feet; thence on an azimuth of $293^{\circ}44'07''$, a distance of 222.43 feet; thence on an azimuth of $270^{\circ}09'12''$, a distance of 323.71 feet; thence on an azimuth of $255^{\circ}27'06''$, a distance of 286.57 feet to the POINT OF ENDING; said ending point being located on an azimuth of $100^{\circ}31'29''$, a distance of 1306.95 feet from the northwest corner of said Section 8.

Said tract contains 2,902.73 feet or 175.92 rods (3.33 acres).

I, Quentin Obrigewitsch, Professional Land Surveyor, N.D. No. 5999, do hereby certify that the survey plot shown herein was made by me, or under my direction, from notes made in the field, and the same is true and correct to the best of my knowledge and belief.

Quentin Obrigewitsch, Professional Land Surveyor N.D. No. 5999

Date _____



PI #	STATIONING	DIRECTION	DISTANCE
1-POB	0+00.00	147°35'29"	459.01'
2	3+46.17	223°58'23"	346.17'
3	8+05.18	202°22'10"	279.55'
4-S.L.	10+84.73	202°22'10"	347.16'
5	14+31.89	227°32'31"	44.20'
6-1/4	14+76.09	227°32'31"	71.85'
7	15+47.94	286°53'00"	522.08'
8	20+70.02	293°44'07"	222.43'
9	22+92.45	270°09'12"	323.71'
10	26+16.16	255°27'06"	286.57'
11-POE	29+02.73		

Rev'd, 11/18/2010 QW-215 PG.1-4 27-28
 Skunk Creek #4-8-17-14H Sect. no. 17
 1625 Broadway, Suite 250, Denver, Colorado 80202
Kadmas Lee & Jackson
 Registered Surveyors
 P.L.L.C.
 State of North Dakota License No. 3709235
 9/11/2009
 Road Right-of-Way
 Section 5, T148N, R93W, 5th PM
 Dunn County, North Dakota
 L.J.

HORIZONTAL SECTION PLAT

Kodiak Oil & Gas Corporation
 1625 Broadway, Suite 250 Denver, Colorado 80202
Skunk Creek #4-10-11-8H

1270 feet from the north line and 220 feet from the west line (surface location)

Section 10, T. 148 N., R. 93 W., 5th P.M.

2100 feet from the north line and 250 feet from the east line (bottom location)

Section 11, T. 148 N., R. 93 W., 5th P.M.

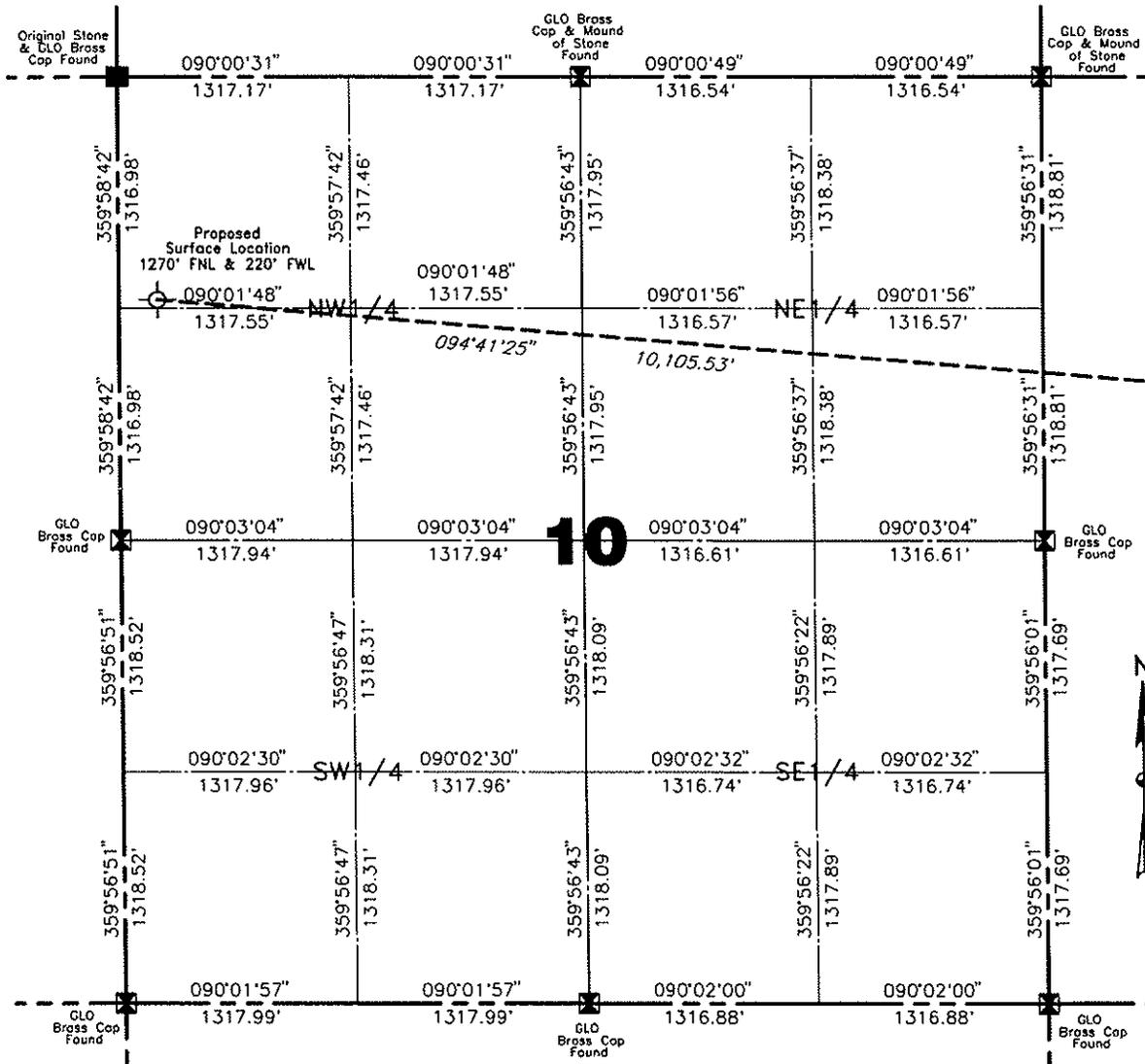
Dunn County, North Dakota

Surface owner @ well site - Three Affiliated Tribes (A 1756)

Latitude 47°39'25.59" North; Longitude 102°31'25.18" West (surface location)

Latitude 47°39'17.43" North; Longitude 102°28'58.07" West (bottom hole location)

[derived from OPUS Solution NAD 83(CORS96)]

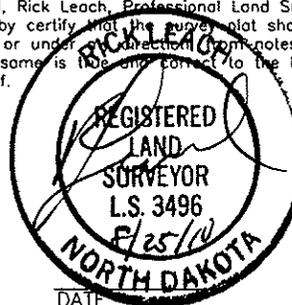


Scale 1" = 1000'

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I, Rick Leach, Professional Land Surveyor, N.D. No. 3496, do hereby certify that the survey plat shown hereon was made by me, or under my direction, from notes made in the field, and the same is true and correct to the best of my knowledge and belief.

All corners shown on this plat were found in the field during Kodiak Oil & Gas Skunk Creek #4-10-11-8H oil well survey on August 26, 2009. Distances to all others are calculated. All azimuths are based on the east line of the NE 1/4 of Section 10, being on an azimuth of 359°56'31".



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Lee &
Jackson
 Engineers Surveyors
 Planners

Surveyed By J. Northrop	Field Book OW-215
Computed & Drawn By W.B / B.C	Project No. 3709354

Revised: 8/25/2010

DATE

HORIZONTAL SECTION PLAT

Kodiak Oil & Gas Corporation
 1625 Broadway, Suite 250 Denver, Colorado 80202
Skunk Creek #4-10-11-8H

1270 feet from the north line and 220 feet from the west line (surface location)

Section 10, T. 148 N., R. 93 W., 5th P.M.

2100 feet from the north line and 250 feet from the east line (bottom location)

Section 11, T. 148 N., R. 93 W., 5th P.M.

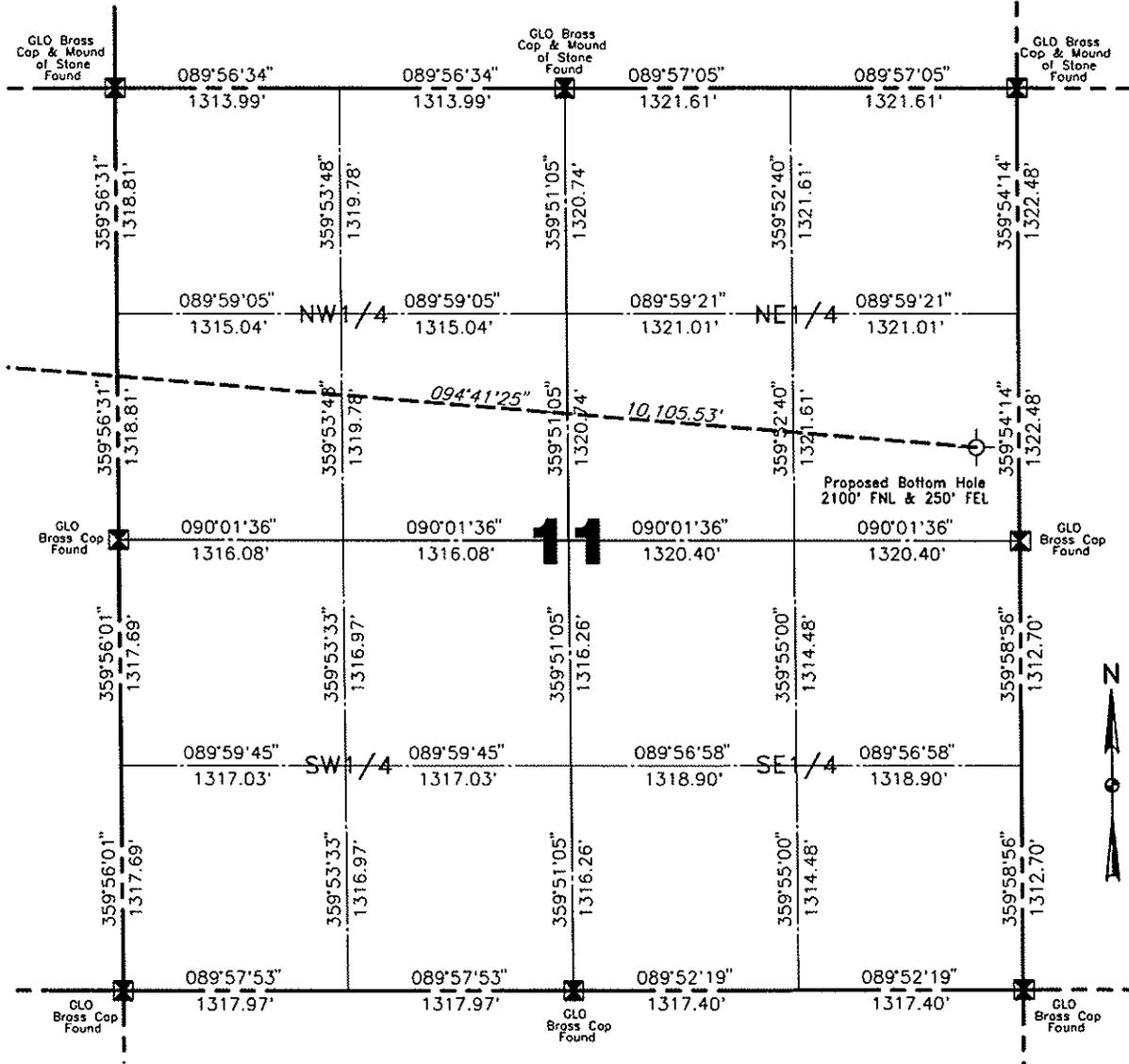
Dunn County, North Dakota

Surface owner @ well site - Three Affiliated Tribes (A 1756)

Latitude 47°39'25.59" North; Longitude 102°31'25.18" West (surface location)

Latitude 47°39'17.43" North; Longitude 102°28'58.07" West (bottom hole location)

[derived from OPUS Solution NAD 83(CORS96)]

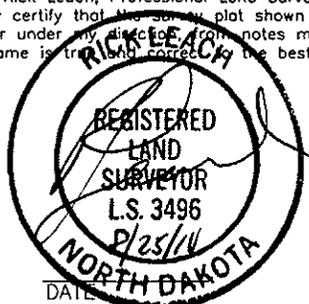


Scale 1"=1000'

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All corners shown on this plat were found in the field during Kodiak Oil & Gas Skunk Creek #4-10-11-8H oil well survey on August 26, 2009. Distances to all others are calculated. All azimuths are based on the west line of the NW1/4 of Section 11, being on an azimuth of 359°56'31\".

I, Rick Leach, Professional Land Surveyor, N.D. No. 3496, do hereby certify that the survey plat shown hereon was made by me, or under my direct supervision, notes made in the field, and the same is true and correct to the best of my knowledge and belief.



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Jackson
 Engineers Surveyors
 Planners

Surveyed By J. Northrop	Field Book OW-215
Computed & Drawn By W.B / B.C	Project No. 3709354

Revised: 8/25/2010

BOTTOM HOLE LOCATION PLAT

Kodiak Oil & Gas Corporation
 1625 Broadway, Suite 250 Denver, Colorado 80202
Skunk Creek #4-10-11-8H

1270 feet from the north line and 220 feet from the west line (surface location)

Section 10, T. 148 N., R. 93 W., 5th P.M.

2100 feet from the north line and 250 feet from the east line (bottom location)

Section 11, T. 148 N., R. 93 W., 5th P.M.

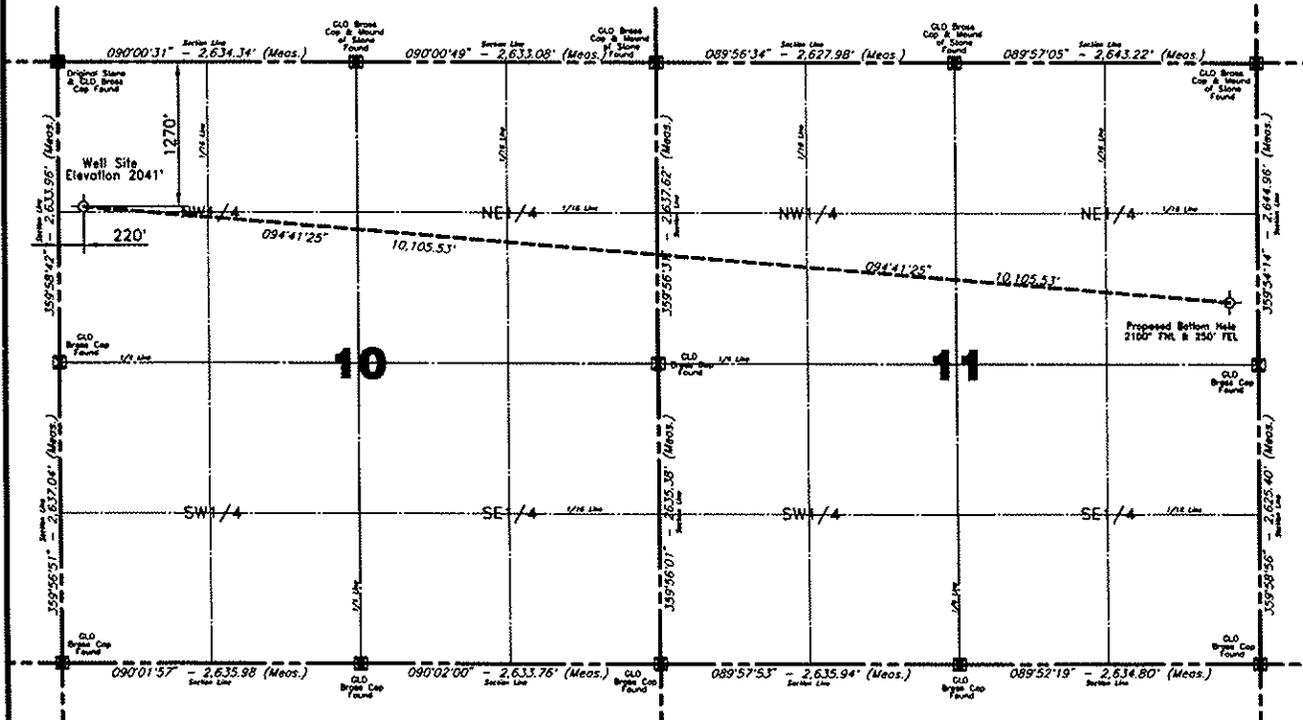
Dunn County, North Dakota

Surface owner @ well site - Three Affiliated Tribes (A 1756)

Latitude 47°39'25.59" North; Longitude 102°31'25.18" West (surface location)

Latitude 47°39'17.43" North; Longitude 102°28'58.07" West (bottom hole location)

[derived from OPUS Solution NAD 83(CORS96)]



Scale 1"=1600'

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 Jackson**
 Engineers Surveyors
 Planners

Drawn By W.B / B.C	Surveyed By J. Northrop	Approved By R. Leach	Scale 1" = 1600'	Date 9/12/2009
Field Book OW-215	Material Bottom Hole	Revised 8/25/2010	Project No. 3709354	Drawing No. 4

Kodiak Oil & Gas Corporation
Skunk Creek #4-10-11-8H
Section 10, T. 148 N., R. 93 W., 5th P.M.
Dunn County, North Dakota

Well Site Elevation 2040.7' MSL
Well Pad Elevation 2038.4' MSL

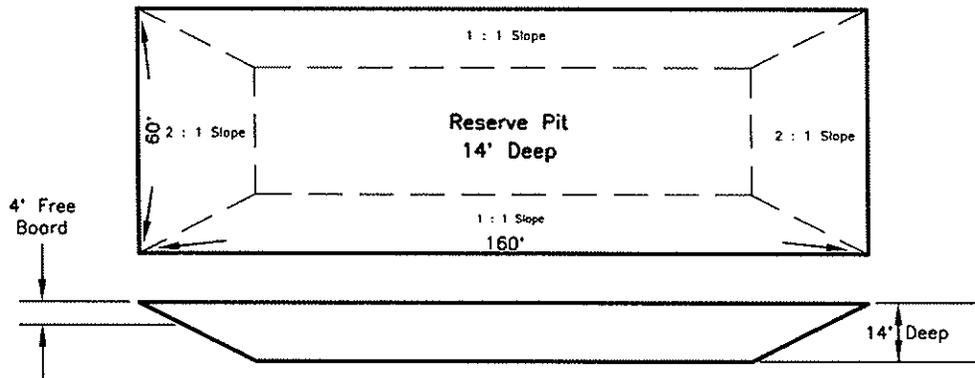
Excavation	41,290 C.Y.
Plus Pit	3,150 C.Y.
	44,440 C.Y.
Embankment	28,785 C.Y.
Plus Shrinkage (+30%)	8,635 C.Y.
	37,420 C.Y.
Stockpile Pit	3,150 C.Y.
Stockpile Top Soil (6")	3,850 C.Y.
Road Embankment & Stockpile from Pad	20 C.Y.
Disturbed Area From Pad	4.77 Acres

NOTE :
All cut end slopes are designed at 1:1 slopes &
all fill end slopes are designed at 1 1/2:1 slopes

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Well Site Location

1270' FNL
220' FWL

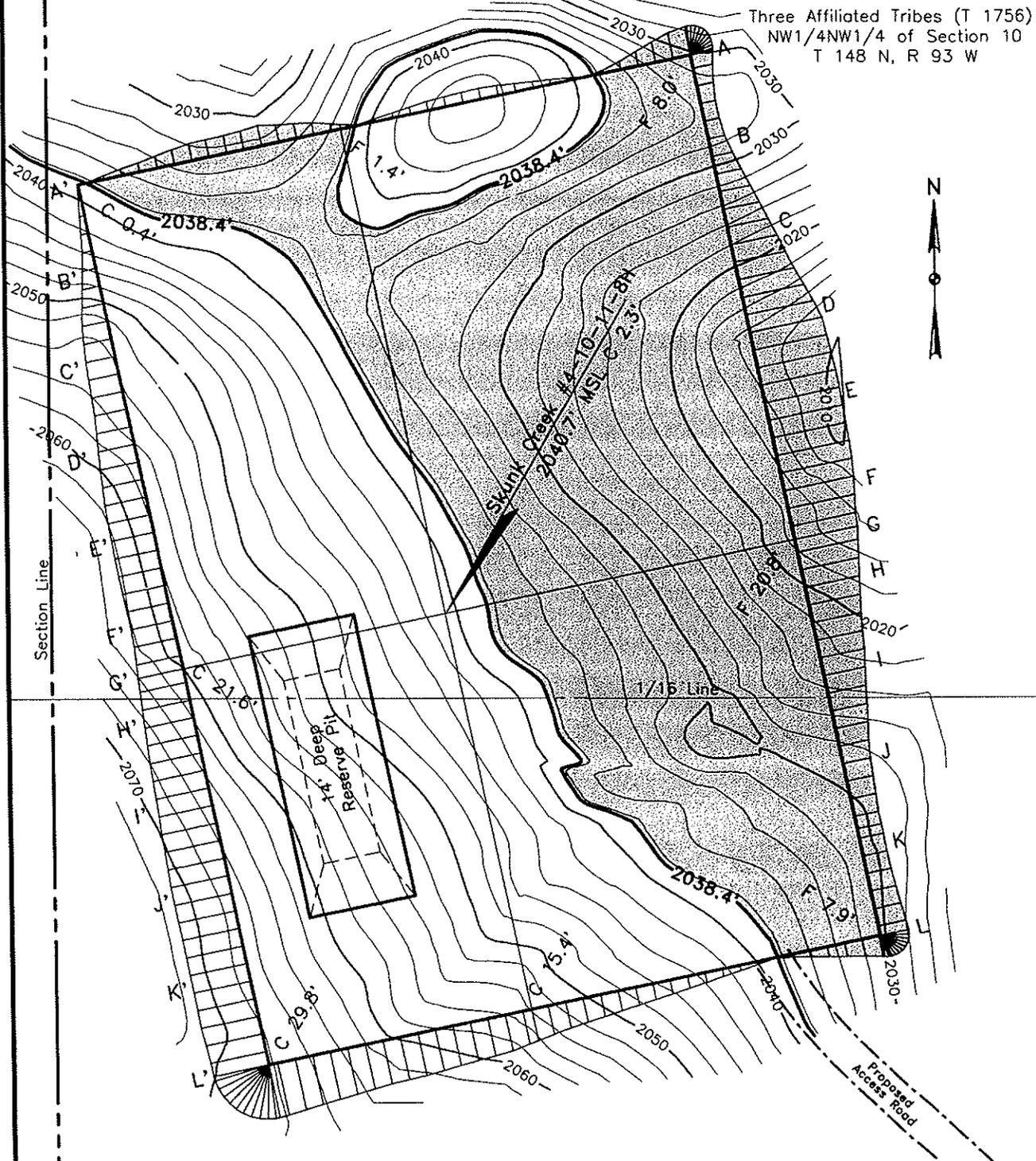


Drawn By W.B /B.C	Surveyed By J. Northrop	Approved By Rick Leach	Scale None	Date 9/14/2009
Field Book OW-215	Material Quantities	Revised 8/25/2010	Project No. 3709354	Drawing No. 5

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Original Ground Kodiak Oil & Gas Corporation Skunk Creek #4-10-11-8H

Three Affiliated Tribes (T 1756)
NW1/4NW1/4 of Section 10
T 148 N, R 93 W



Section Line

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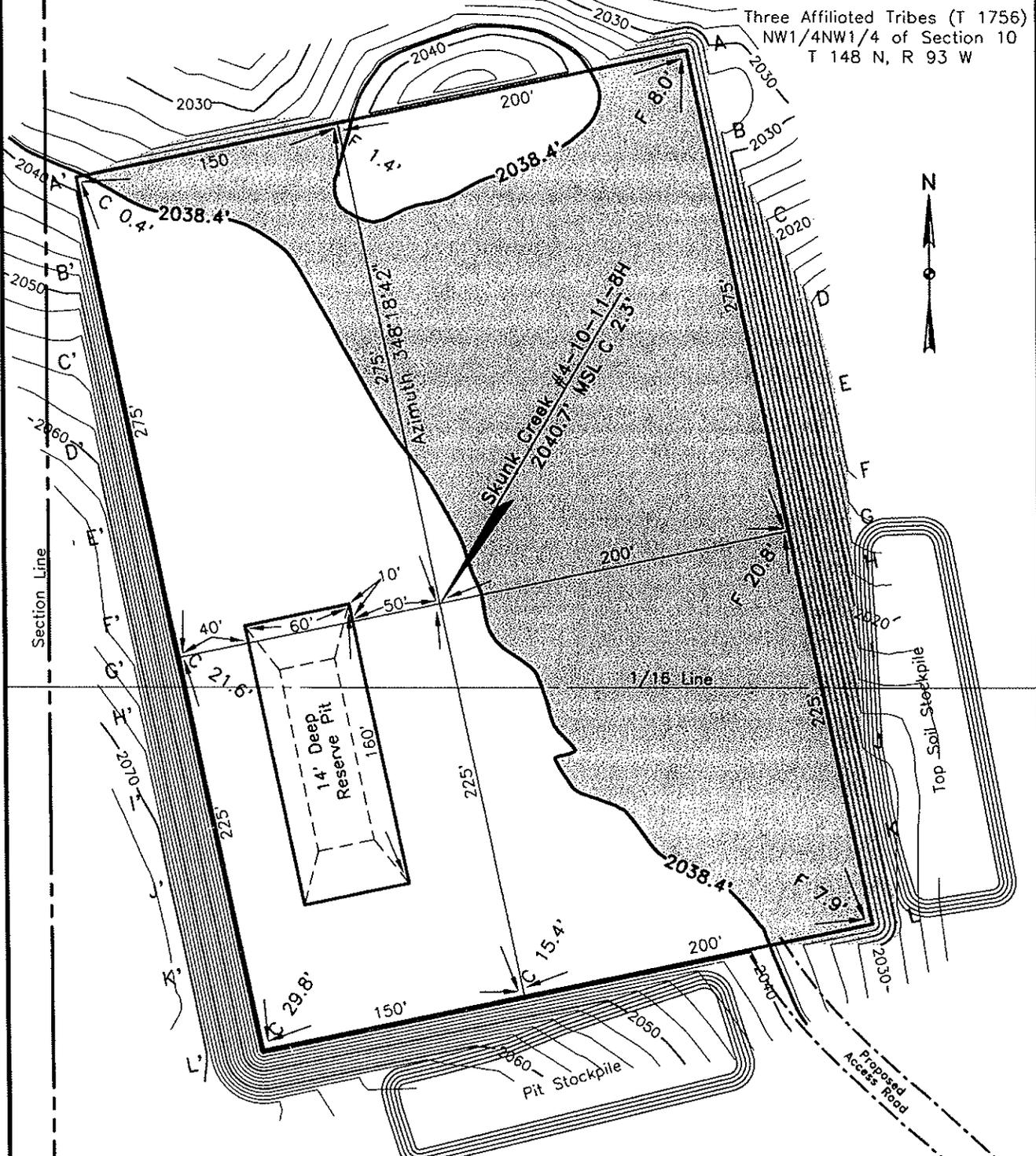
Three Affiliated Tribes (T 1756)
SW1/4NW1/4 of Section 10
T 148 N, R 93 W

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Drawn By W.B /B.C	Surveyed By J. Northrop	Approved By R. Leach	Scale 1"=80'	Date 9/14/2009
Field Book OW-215	Material Original Ground	Revised 8/25/2010	Project No. 3709354	Drawing No. 6

Pad Layout Kodiak Oil & Gas Corporation Skunk Creek #4-10-11-8H

Three Affiliated Tribes (T 1756)
NW1/4NW1/4 of Section 10
T 148 N, R 93 W



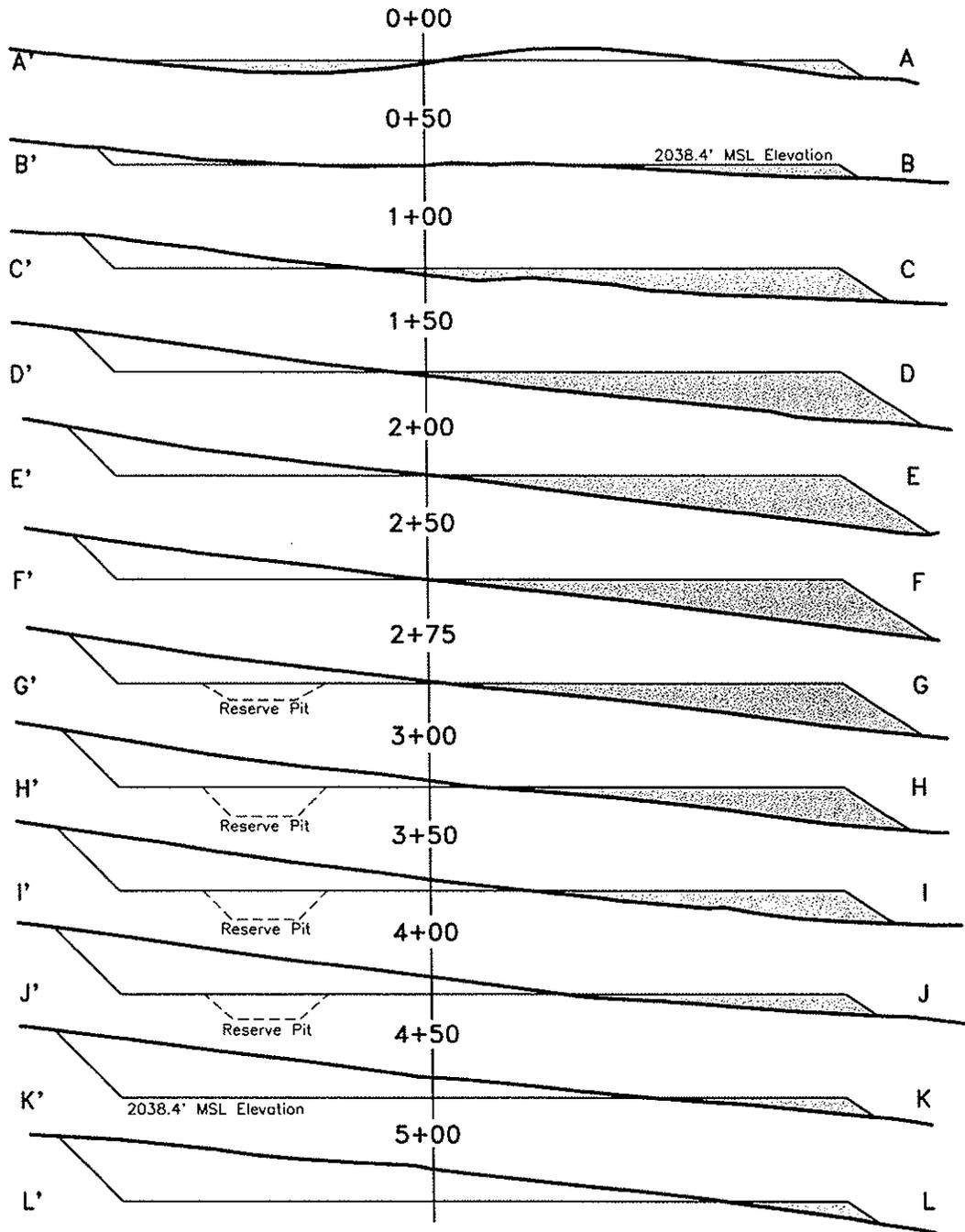
Confidentiality Notice: The information contained on this plot is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.

Three Affiliated Tribes (T 1756)
SW1/4NW1/4 of Section 10
T 148 N, R 93 W

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Drawn By W.B /B.C	Surveyed By J. Northrop	Approved By R. Leach	Scale 1"=80'	Date 9/14/2009
Field Book OW-215	Material Pad Layout	Revised 8/25/2010	Project No. 3709354	Drawing No. 7

Pad Cross Sections Kodiak Oil & Gas Corporation Skunk Creek #4-10-11-8H



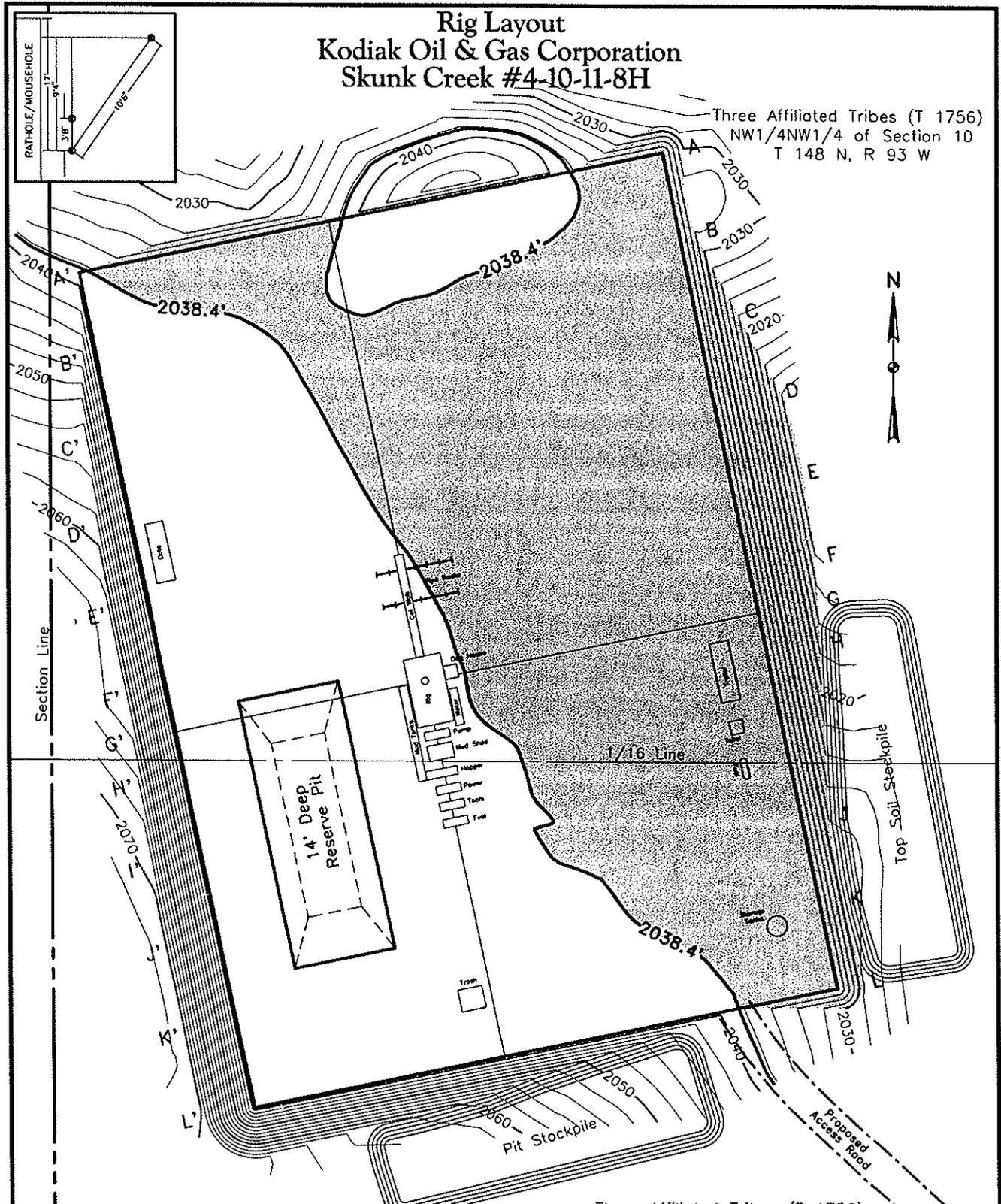
Confidentiality Notice: The information contained on this plat is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.

Drawn By W.B /B.C	Checked By J. Northrop	Approved By R. Leach	Scale 1" = 80'	Date 9/14/2009
Field Book OW-215	Material Cross Sections	Revised 8/25/2010	Project No. 3709354	Drawing No. 8

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Rig Layout Kodiak Oil & Gas Corporation Skunk Creek #4-10-11-8H

Three Affiliated Tribes (T 1756)
NW1/4NW1/4 of Section 10
T 148 N, R 93 W



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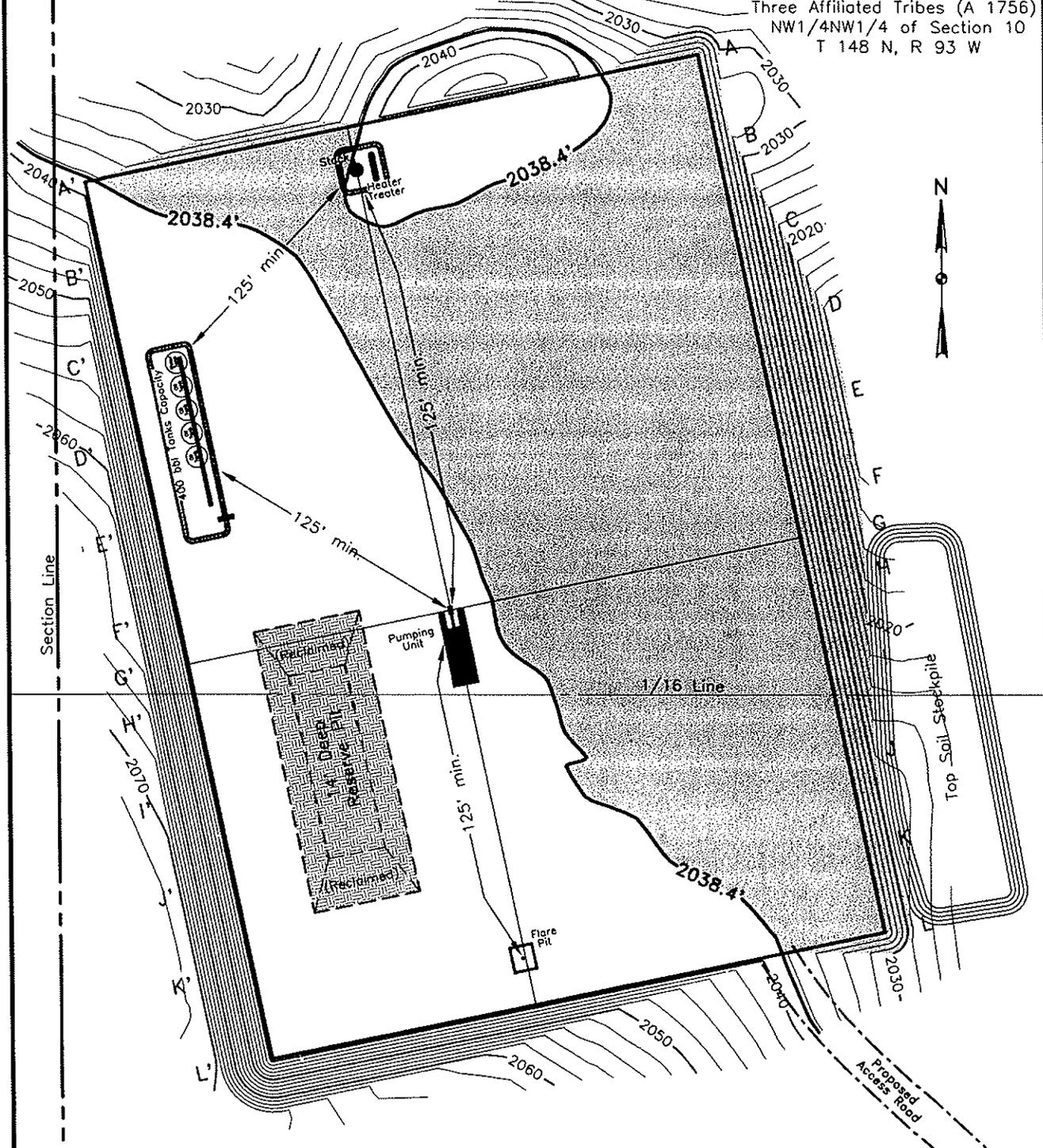
Three Affiliated Tribes (T 1756)
SW1/4NW1/4 of Section 10
T 148 N, R 93 W

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Drawn By W.B /B.C	Checked By J. Northrop	Approved By R. Leach	Scale 1" = 80'	Date 9/14/2009
Field Book OW-215	Material Rig Layout	Revised 8/25/2010	Project No. 3709354	Drawing No. 9

Production Layout Kodiak Oil & Gas Corporation Skunk Creek #4-10-11-8H

Three Affiliated Tribes (A 1756)
NW1/4NW1/4 of Section 10
T 148 N, R 93 W



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Three Affiliated Tribes (A 1756)
SW1/4NW1/4 of Section 10
T 148 N, R 93 W

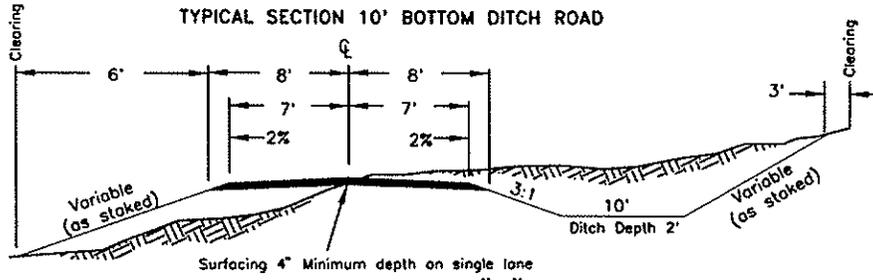
Drawn By W.B /B.C	Surveyed By J. Northrop	Approved By R. Leach	Scale 1" = 80'	Date 9/14/2009
Field Book OW-215	Material Production	Revised 8/25/2010	Project No. 3709354	Drawing No. 10

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Road Typical Sections

Kodiak Oil & Gas Corporation

Skunk Creek #4-10-11-8H



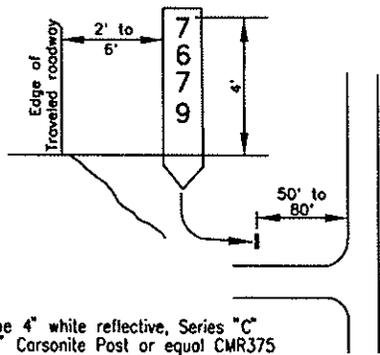
TYPICAL "B"
No Scale

FILL SLOPES
3:1 Under 4' Height
2:1 Over 4' Height
(-) Slopes steeper than 2:1 will be subject to FS approval

FILL WIDENING
2' to 5' high/add 1'
Over 5' high/add 2'
CURVE WIDENING
130 / R

CUT SLOPES
3:1 Under 10' height
2:1 10' to 20' height
(-) Variable over 20' height W/FS approval

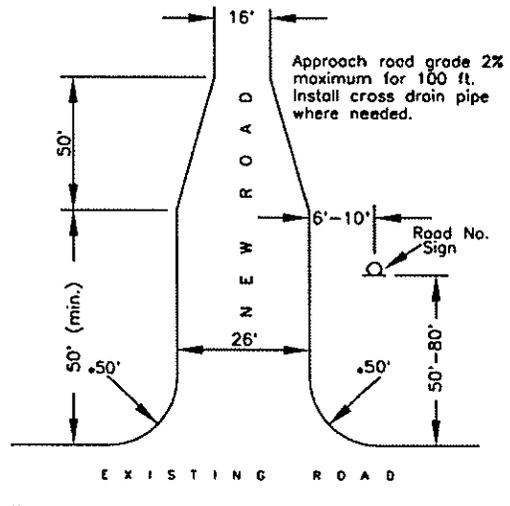
TYPICAL SECTION VERTICAL ROUTE MARKER



Letters shall be 4" white reflective, Series "C" on Brown 6" 6" Carsonite Post or equal CMR375
Figure 11-28.- Typical Signage for Vertical Route Markers

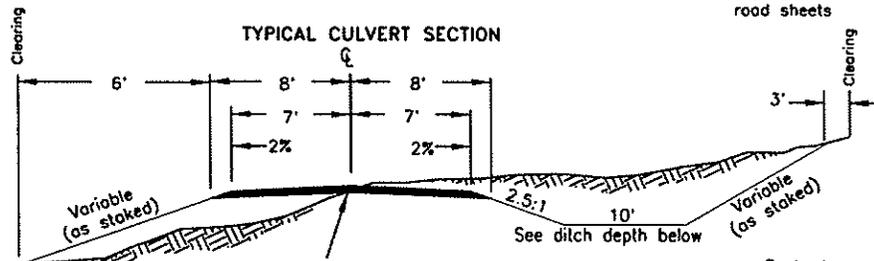
TYPICAL "F"
No Scale

TYPICAL APPROACH ROAD CONNECTION



*As noted on road sheets

TYPICAL CULVERT SECTION



Fill slopes are V1 H1.5 (1.5:1) or as staked

Ditch width shall be the larger of the following:
A. Standard ditch width
B. 2 times the pipe diameter
C. 4.25'

Ditch depth shall be:
CMP diameter Ditch depth
18" 2.5'
24" 3.0'
36" 4.0'
48" 5.0'

Back slopes are V1 H1 (1:1) or as staked

TYPICAL "A"
No Scale

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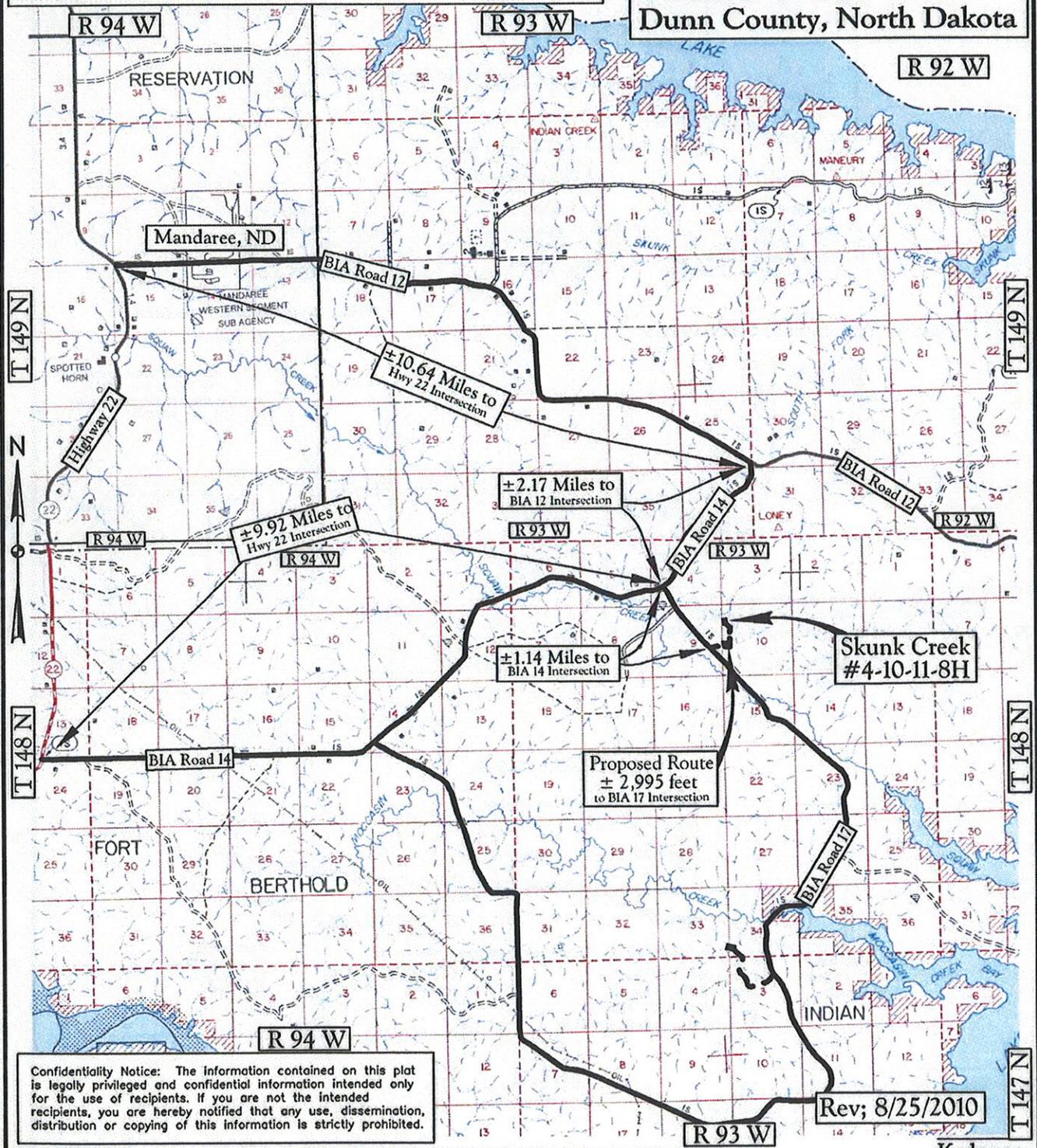
Drawn By W.B /B.C	Surveyed By J. Northrop	Approved By R. Leach	Scale None	Date 9/14/2009
Field Book OW-215	Material Road Typical	Revised 8/25/2010	Project No. 3709354	Drawing No. 11

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Narrative Directions:

From Mandaree, ND, go east out of town on BIA 12 for 9.4 miles to the BIA 14 intersection, turn right (southwesterly) and go 2.2 miles to the BIA 17 intersection, turn left (southerly) and go 1.14 miles to the start of the Skunk Creek #4-10-11-8H access road, turn left (easterly) and go 1,275 feet then left (northerly) for 1,720 feet to the south edge of the Skunk Creek #4-10-11-8H well pad location.

Kodiak Oil & Gas Corp.
Skunk Creek #4-10-11-8H
 1270' FNL & 220' FWL
 NW1/4NW1/4 Section 10
 T.148N., R.93W., 5th P.M.
 Dunn County, North Dakota



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Rev; 8/25/2010

Map "A"
County Access Route

Legend

Existing Roads —————

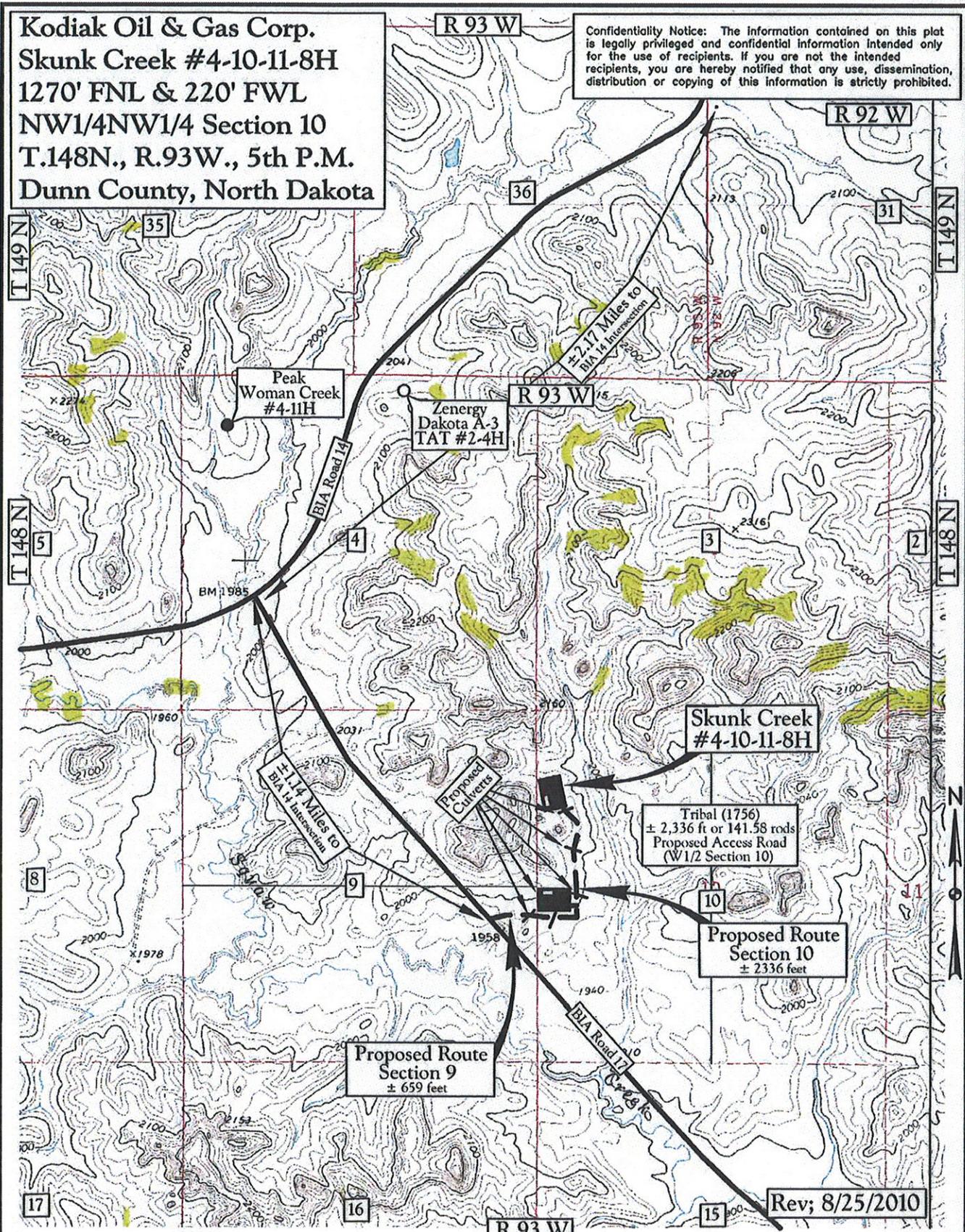
Proposed Roads - - - - -

Scale 1" = 2 Miles

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Kodiak Oil & Gas Corp.
Skunk Creek #4-10-11-8H
 1270' FNL & 220' FWL
 NW1/4NW1/4 Section 10
 T.148N., R.93W., 5th P.M.
 Dunn County, North Dakota

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Rev; 8/25/2010

Map "B"
Quad Access Route

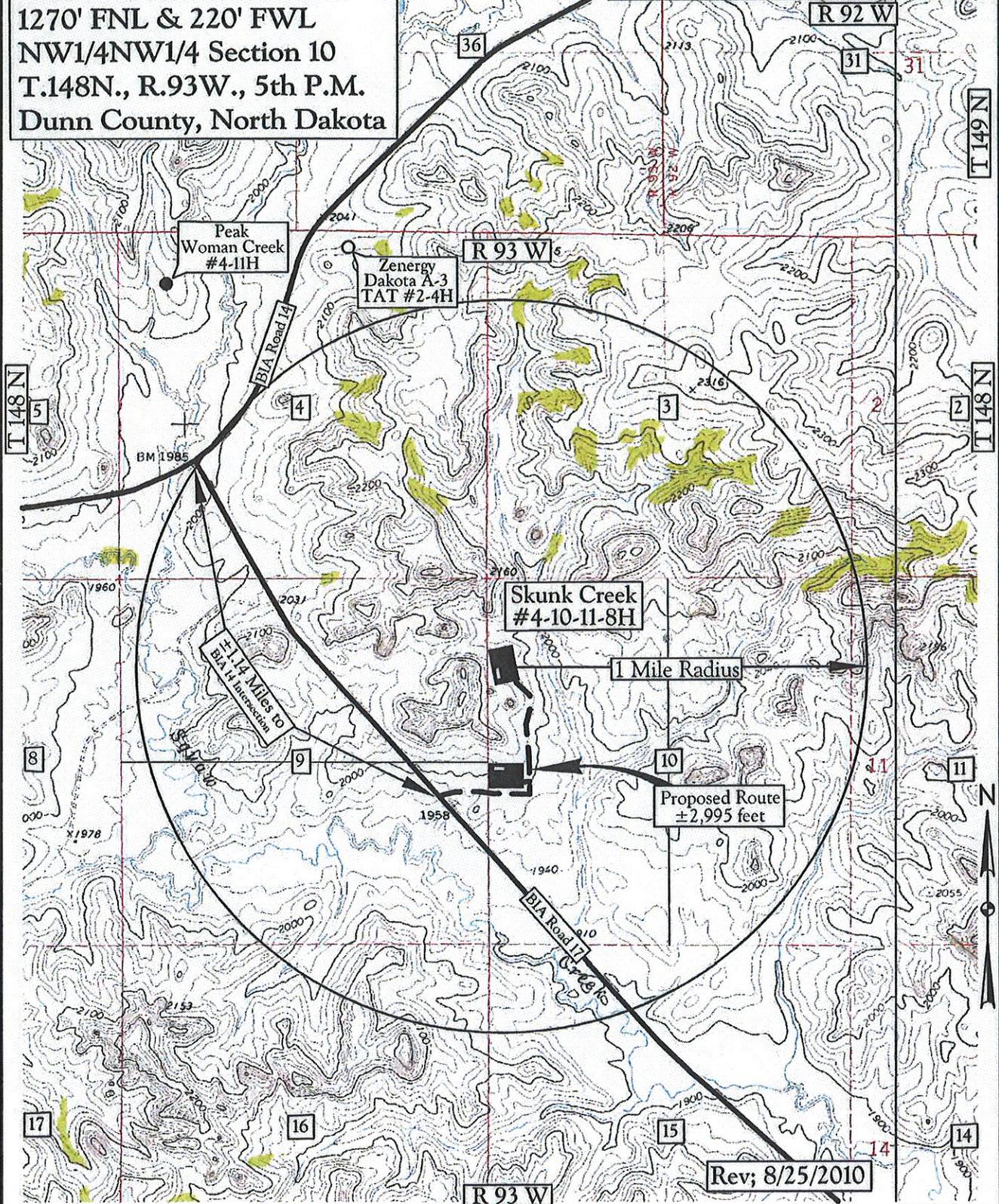
Legend
 Existing Roads —————
 Proposed Roads - - - - -

Scale 1" = 2000'

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Jackson
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Kodiak Oil & Gas Corp.
Skunk Creek #4-10-11-8H
1270' FNL & 220' FWL
NW1/4NW1/4 Section 10
T.148N., R.93W., 5th P.M.
Dunn County, North Dakota

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Map "C"
One Mile Radius Map

Legend
 Existing Roads —————
 Proposed Roads - - - - -

Scale 1" = 2000'

**Kadmas
 Lee &
 Jackson**
 Engineers Surveyors
 Planners

Legend

wells

STATUS, WELL_TYPE

* A, AGD	o DRL, AI	o LOC, GASD
⚡ A, AI	o DRL, GASC	o LOC, OG
☀ A, CBM	o DRL, GASD	o LOC, SWD
⚡ A, DF	o DRL, OG	o LOC, WI
⚡ A, DFP	o DRL, SWD	✦ PA, DF
☀ A, GASC	o DRL, WI	✦ PA, GASC
☀ A, GASD	⊕ DRY, GASC	✦ PA, GASD
☀ A, GASN	⊕ DRY, GASD	✦ PA, GS
● A, OG	⊕ DRY, OG	✦ PA, OG
△ A, SWD	⊕ DRY, ST	✦ PA, SWD
⚡ A, WI	✦ EXP, GASD	✦ PA, WI
⚡ A, WS	● EXP, OG	✦ PA, WS
⚡ A, AI	△ EXP, SWD	⊖ PNC, GASD
⚡ AB, AI	⚡ EXP, WS	⊖ PNC, OG
⚡ AB, DF	⚡ IA, AI	⊖ PNC, SWD
⚡ AB, DFP	⚡ IA, CBM	✕ TA, AI
☀ AB, GASC	⚡ IA, DF	✕ TA, GASC
☀ AB, GASD	⚡ IA, DFP	✕ TA, GASD
⚡ AB, GI	☀ IA, GASC	✕ TA, OG
● AB, OG	☀ IA, GASD	✕ TA, SWD
△ AB, SWD	● IA, OG	✕ TA, WI
⚡ AB, WI	△ IA, SWD	✕ TA, WS
⚡ AB, WS	⚡ IA, WI	✕ TAO, GI
⚡ Confidential, Confidential	⚡ IA, WS	✕ TAO, OG
	⚡ IA, AI	✕ TAO, WI
	o LOC, GASC	

A = Active, AB = Abandoned, DRL = Drilling, Dry = Dry, EXP = Expired, IA = Inactive, LOC = Location, PA = Producer Abandoned, PNC = Permit Now Cancelled, TA = Temporarily Abandoned, TAO = Temporarily Abandoned Observation.

AGD = Acid Gas Disposal, AI = Air Injection, DF = Dump Flood, DFP = Dump Flood Producing, GASN = Nitrogen Gas Well, GASC = Gas Condensate, GASD = Gas Dry, GI = Gas Injection, GS = Gas Storage, OG = Oil or Gas Well, SWD = Salt Water Disposal, WI = Water Injection, WS = Water Supply, ST = Strat Test

Exhibit "D"
GIS Well Symbols

Kadmas
Lee &
Jackson
Engineers, Surveyors
Geologists



Prepared by M.D.E. - 11-1-2010 (see Revision)

;Kodiak Oil & Gas Corp.
 Skunk Creek #4-10-11-8H, 1270' FNL & 220' FWL
 NW1/4NW1/4 Section 10, T.148N., R.93W., 5th P.M. Dunn County, ND

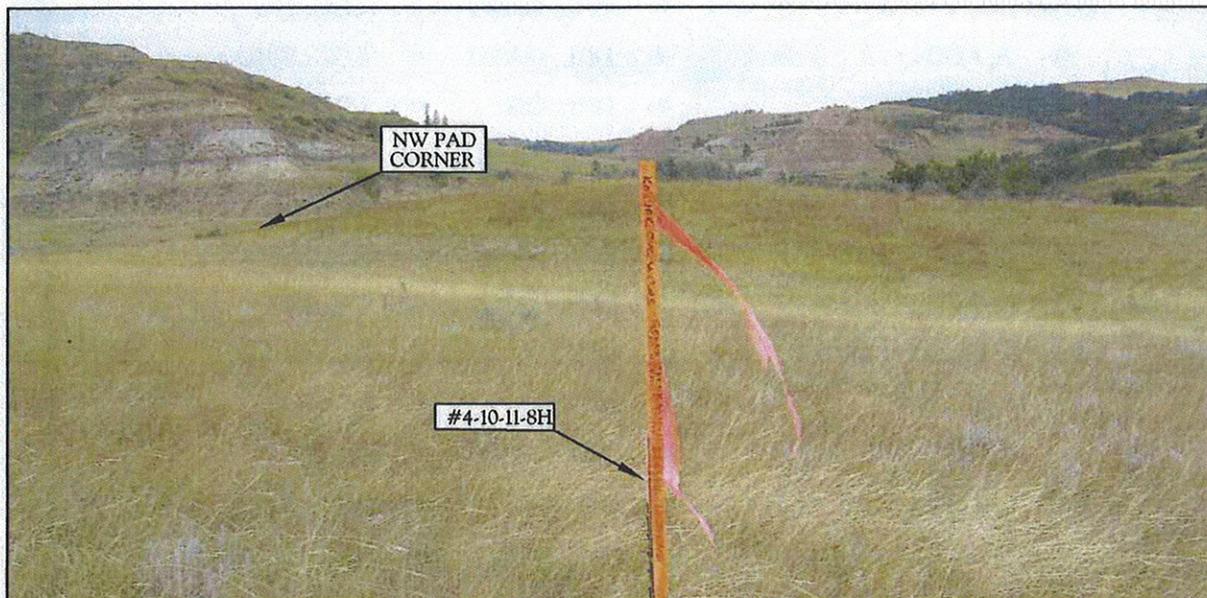


PHOTO: VIEW OF WELL STAKE

CAMERA ANGLE: NORTHERLY

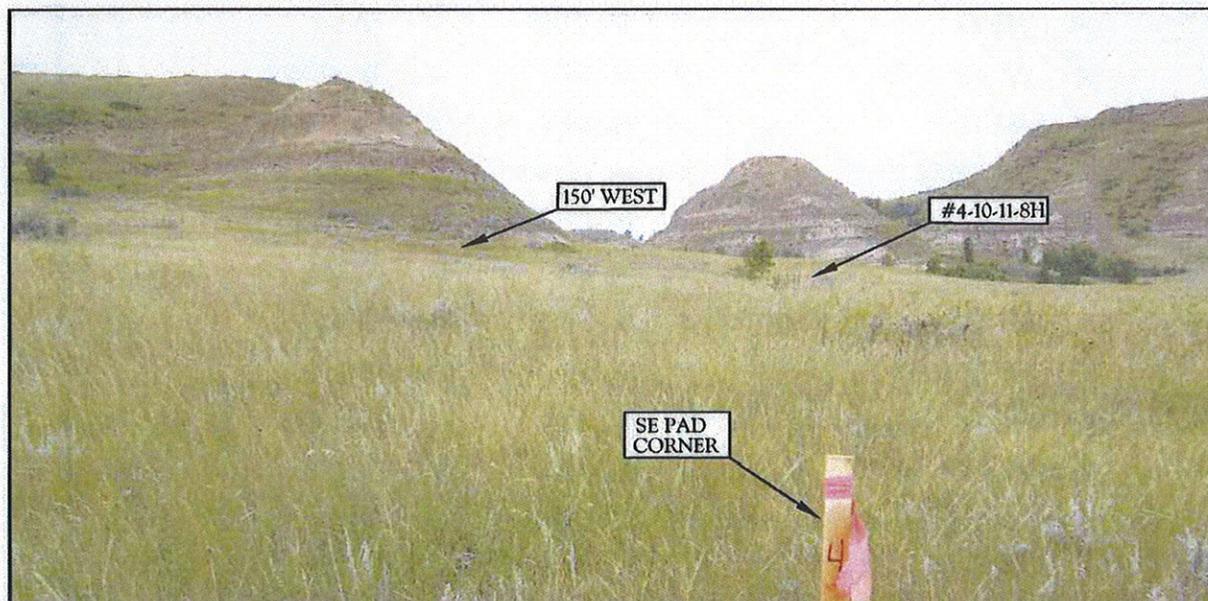


PHOTO: VIEW OF SE PAD CORNER

CAMERA ANGLE: NORTHWESTERLY

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Rev; 8/25/2010

Location Photos
Exhibit A

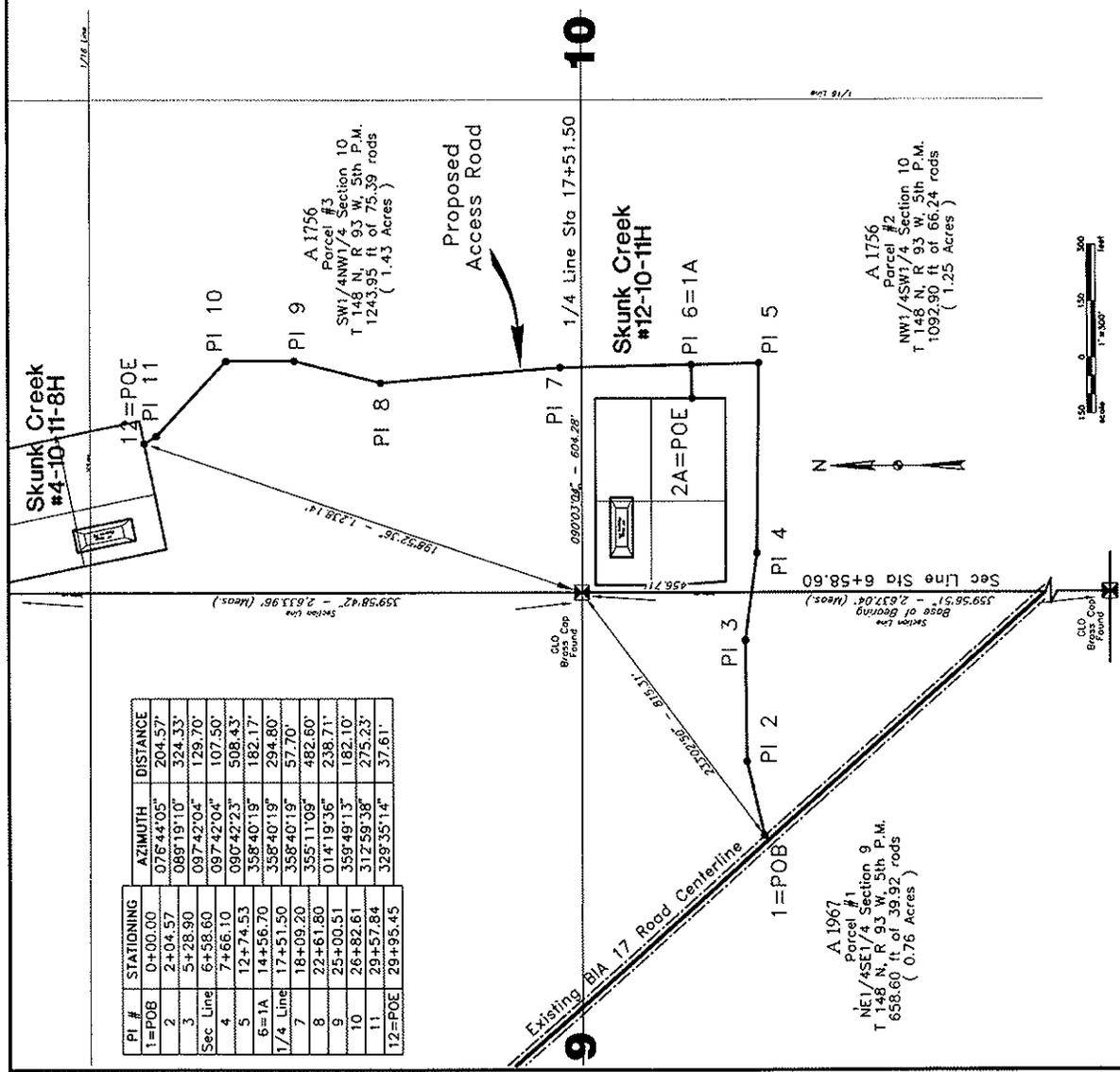
Date: 08/26/2009
 Taken By: J. Northrop
 Drawn By: W.F. Bemman

Kadmas
Lee &
Jackson
 Engineers Surveyors
 Planners

Road Right-of-Way Description

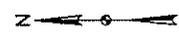
A tract of land located in the Northeast Quarter of the Southeast Quarter (NE1/4SE1/4), of Section 9, and in the West Half of the West Half (W1/2W1/2) of Section 10, Township 148 North, Range 93 West of the 6th Principal Meridian, Dunn County, State of North Dakota, being more specifically described as a strip of land fifty (50) feet in width, lying twenty-five (25) feet on each side of the following described centerline:

PI #	STATIONING	AZIMUTH	DISTANCE
1=POB	0+00.00		
2	2+04.57	075°44'05"	204.57'
3	5+28.90	089°19'10"	324.33'
Sec Line	6+58.60	097°42'04"	129.70'
4	7+66.10	097°42'04"	107.50'
5	12+74.53	090°42'23"	508.43'
6=1A	14+56.70	358°40'19"	182.17'
1/4 Line	17+51.50	358°40'19"	294.80'
7	18+09.20	355°11'09"	482.60'
8	22+61.80	014°19'36"	238.71'
9	25+00.51	359°49'13"	182.10'
10	26+82.61	312°59'38"	275.23'
11	29+57.84	329°35'14"	37.61'
12=POE	29+95.45		



1/2" = 100'

#01 91/1



359°58'42" - 2633.96' (Meas.)
 59°03'04" - 604.28'
 456.71'
 232°02'22" - 815.11'
 195°32'35" - 1239.14'
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 PI 9
 PI 8
 PI 7
 PI 6=1A
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HORIZONTAL SECTION PLAT

Kodiak Oil & Gas Corp.
1625 Broadway, Suite 250 Denver, Colorado 80202
Skunk Creek #12-10-11-9H

2450 feet from the south line and 245 feet from the west line (surface location)

Section 10, T. 148 N., R. 93 W., 5th P.M.

1800 feet from the south line and 250 feet from the east line (bottom location)

Section 11, T. 148 N., R. 93 W., 5th P.M.

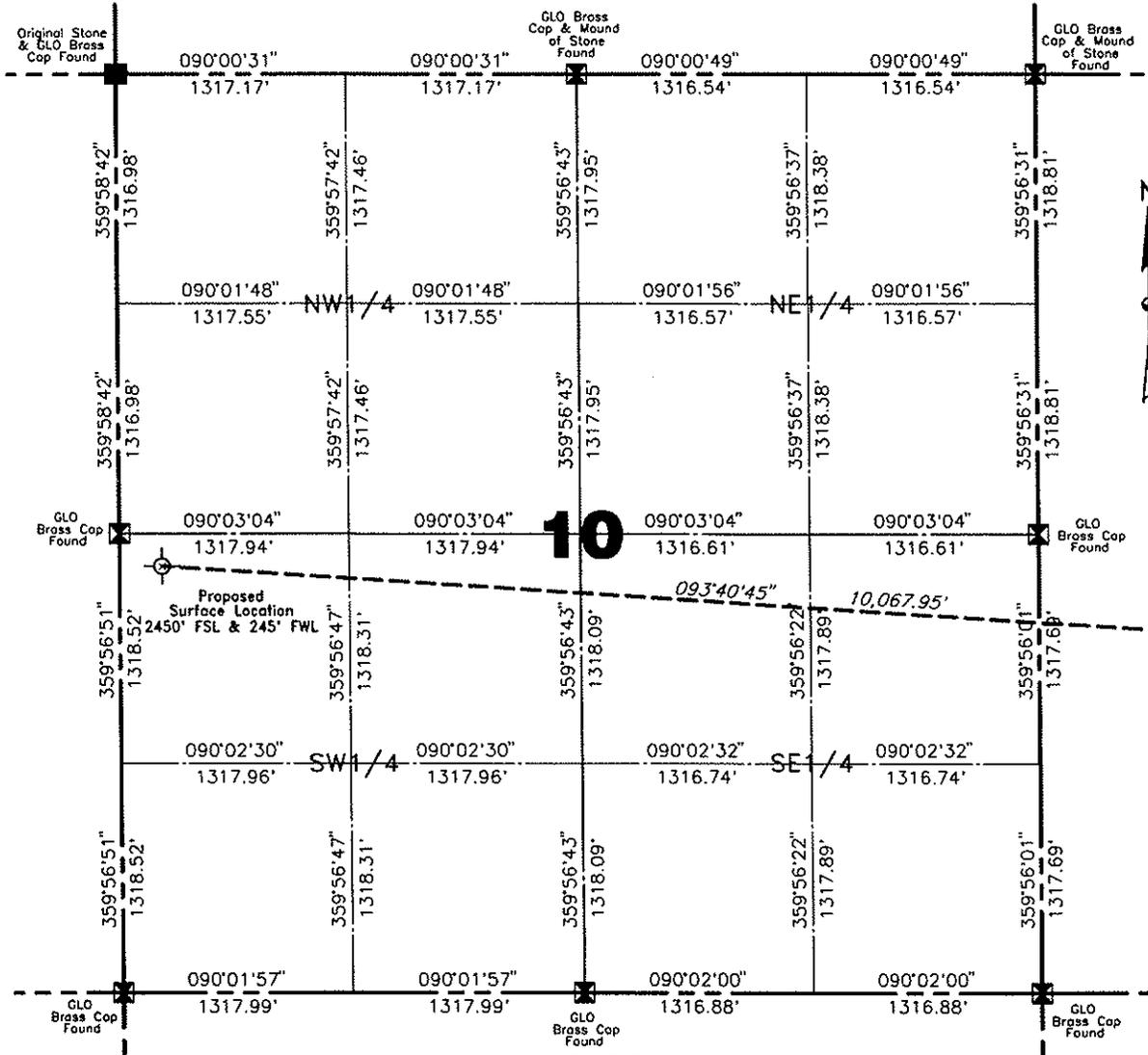
Dunn County, North Dakota

Surface owner @ well site - Three Affiliated Tribes (A 1756)

Latitude 47°39'10.28" North; Longitude 102°31'24.80" West (surface location)

Latitude 47°39'03.90" North; Longitude 102°28'58.06" West (bottom hole location)

[derived from OPUS Solution NAD 83(CORS96)]



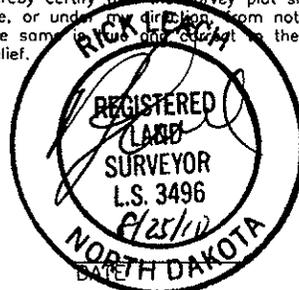
Confidentiality Notice: The information contained on this plat is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.

I, Rick Leach, Professional Land Surveyor, N.D. No. 3496, do hereby certify that the survey plat shown hereon was made by me, or under my direction, from notes made in the field, and the same are true and correct to the best of my knowledge and belief.

All corners shown on this plat were found in the field during Kodiak Oil & Gas Skunk Creek #12-10-11-9H oil well survey on August 26, 2009. Distances to all others are calculated. All azimuths are based on the east line of the SE 1/4 of Section 10, being on an azimuth of 359°56'01"

Surveyed By J. Northrop	Field Book OW-215
Computed & Drawn By W.B./B.C	Project No. 3709353

Revised: 8/25/2010



**Kadmas
Lee &
Jackson**
Engineers Surveyors
Planners

HORIZONTAL SECTION PLAT

Kodiak Oil & Gas Corp.
1625 Broadway, Suite 250 Denver, Colorado 80202
Skunk Creek #12-10-11-9H

2450 feet from the south line and 245 feet from the west line (surface location)

Section 10, T. 148 N., R. 93 W., 5th P.M.

1800 feet from the south line and 250 feet from the east line (bottom location)

Section 11, T. 148 N., R. 93 W., 5th P.M.

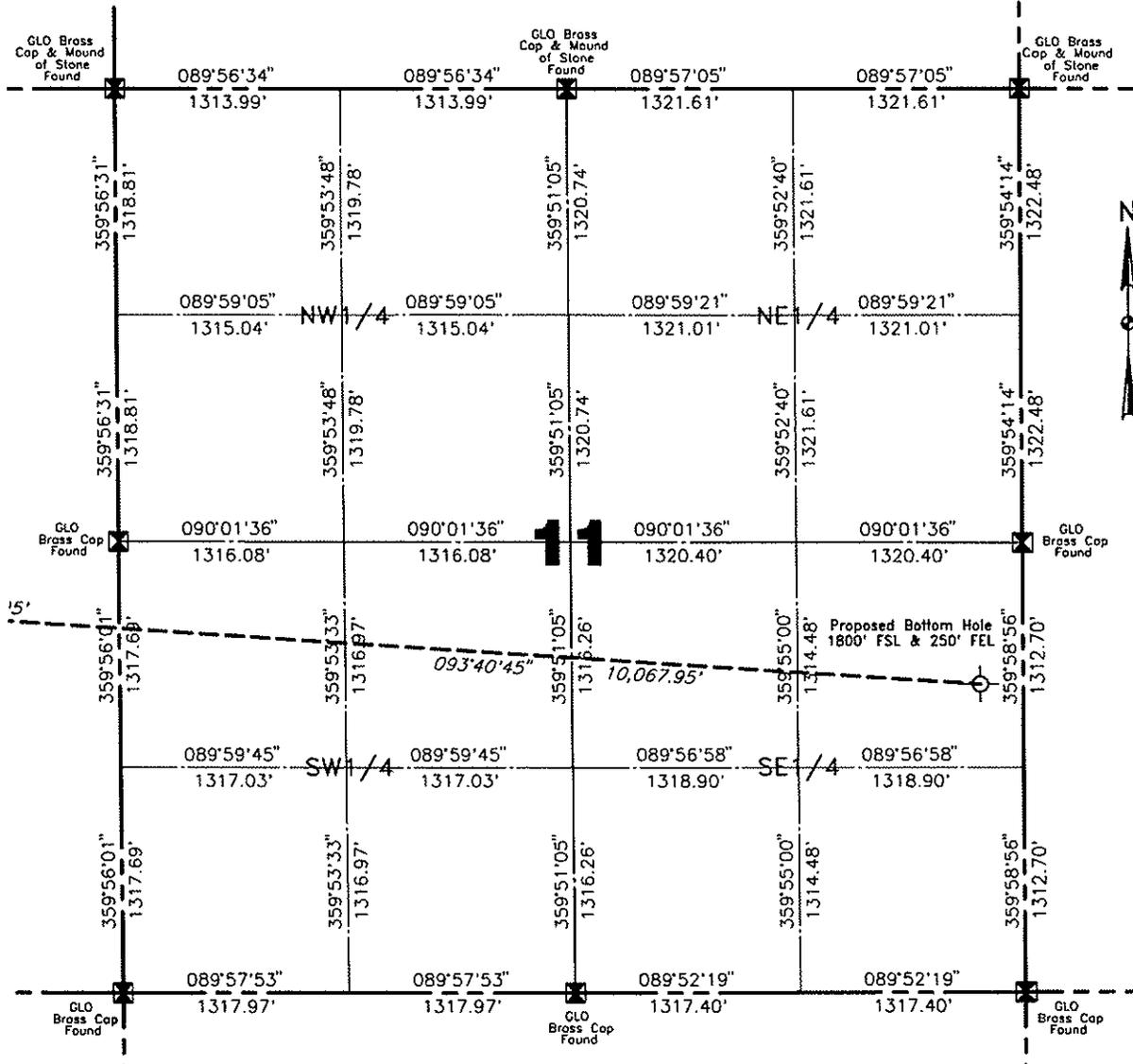
Dunn County, North Dakota

Surface owner @ well site - Three Affiliated Tribes (A 1756)

Latitude 47°39'10.28" North; Longitude 102°31'24.80" West (surface location)

Latitude 47°39'03.90" North; Longitude 102°28'58.06" West (bottom hole location)

[derived from OPUS Solution NAD 83(CORS96)]



Scale 1"=1000'

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I, Rick Leach, Professional Land Surveyor, N.D. No. 3496, do hereby certify that the survey plat shown hereon was made by me, or under my direct supervision, from notes made in the field, and the same are true and correct to the best of my knowledge and belief.



Kadmas
Lee &
Jackson
Engineers Surveyors
Planners

Surveyed By J. Northrop	Field Book OW-215
Computed & Drawn By W.B./B.C	Project No. 3709353

Revised: 8/25/2010

BOTTOM HOLE LOCATION PLAT

Kodiak Oil & Gas Corp.
 1625 Broadway, Suite 250 Denver, Colorado 80202
Skunk Creek #12-10-11-9H

2450 feet from the south line and 245 feet from the west line (surface location)

Section 10, T. 148 N., R. 93 W., 5th P.M.

1800 feet from the south line and 250 feet from the east line (bottom location)

Section 11, T. 148 N., R. 93 W., 5th P.M.

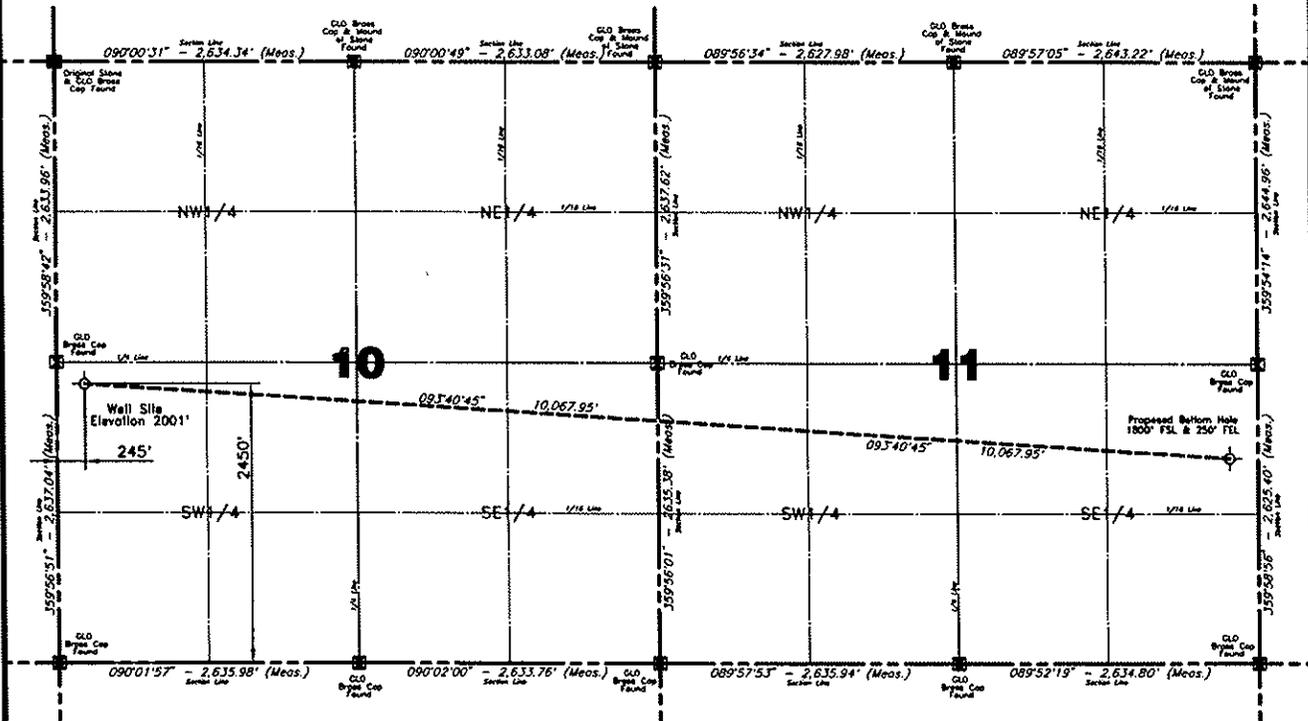
Dunn County, North Dakota

Surface owner @ well site - Three Affiliated Tribes (A 1756)

Latitude 47°39'10.28" North; Longitude 102°31'24.80" West (surface location)

Latitude 47°39'03.90" North; Longitude 102°28'58.06" West (bottom hole location)

[derived from OPUS Solution NAD 83(CORS96)]



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Kadmas
Lee &
Jackson
 Engineers Surveyors
 Planners

Drawn By W.B./B.C	Surveyed By J. Northrop	Approved By R. Leach	Scale 1" = 1600'	Date 9/09/2009
Field Book OW-215	Material Bottom Hole	Revised 8/25/2010	Project No. 3709353	Drawing No. 4

Kodiak Oil & Gas Corp.
Skunk Creek #12-10-11-9H
Section 10, T. 148 N., R. 93 W., 5th P.M.
Dunn County, North Dakota

Well Site Elevation 2000.8' MSL
 Well Pad Elevation 1999.5' MSL

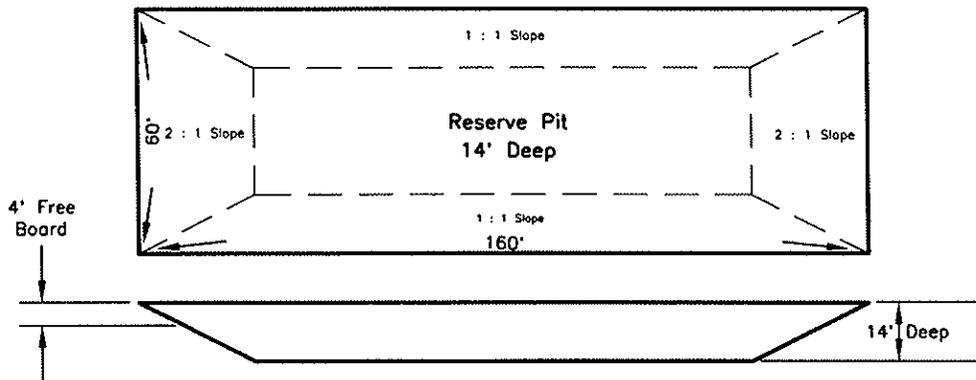
Excavation	29,875 C.Y.
Plus Pit	3,150 C.Y.
	33,025 C.Y.
Embankment	20,420 C.Y.
Plus Shrinkage (+25%)	5,105 C.Y.
	25,525 C.Y.
Stockpile Pit	3,150 C.Y.
Stockpile Top Soil (6")	3,645 C.Y.
Road Embankment & Stockpile from Pad	705 C.Y.
Disturbed Area From Pad	4.52 Acres

NOTE :
 All cut end slopes are designed at 1:1 slopes &
 all fill end slopes are designed at 1 1/2:1 slopes

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Well Site Location

2450' FSL
 245' FWL

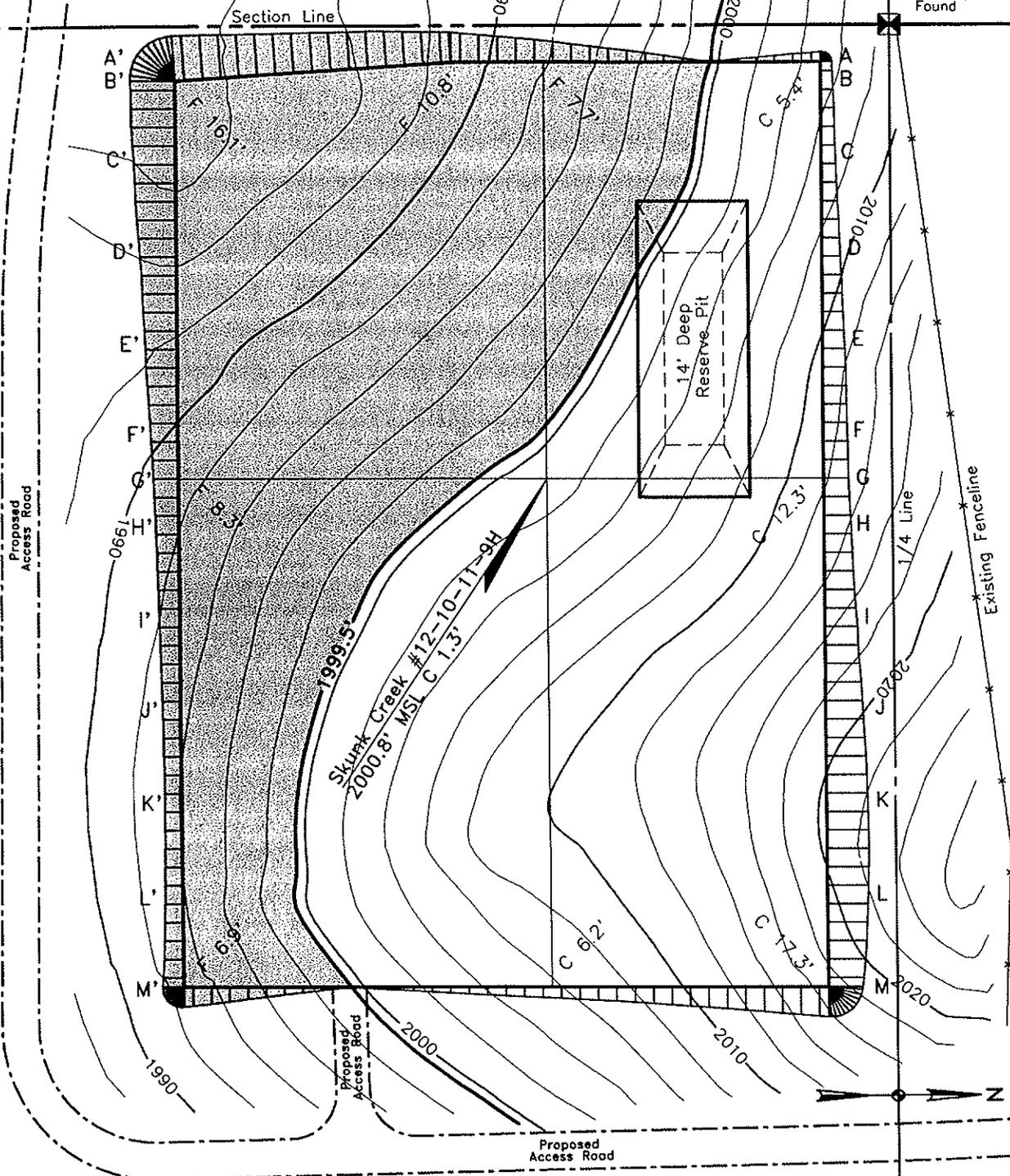


Drawn By W.B./B.C	Surveyed By J. Northrop	Approved By Rick Leach	Scale None	Date 9/10/2009
Field Book OW-215	Material Quantities	Revised 8/25/2010	Project No. 3709353	Drawing No. 5

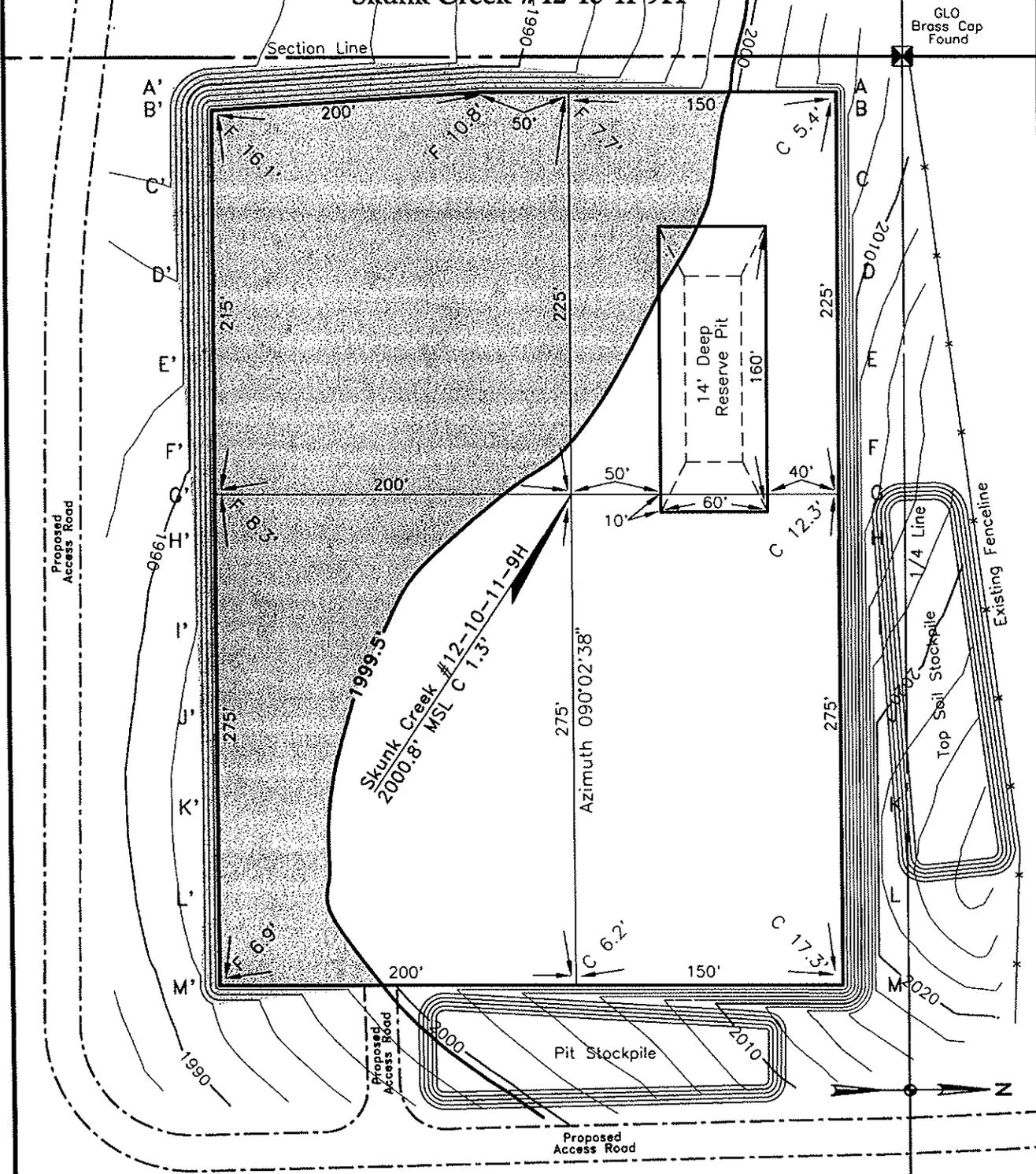
Kadmas
Lee &
Jackson
 Engineers Surveyors
 Planners

Original Ground
Kodiak Oil & Gas Corp.
Skunk Creek #12-10-11-9H

GLO
Bross Cap
Found



Pad Layout Kodiak Oil & Gas Corp. Skunk Creek #12-10-11-9H



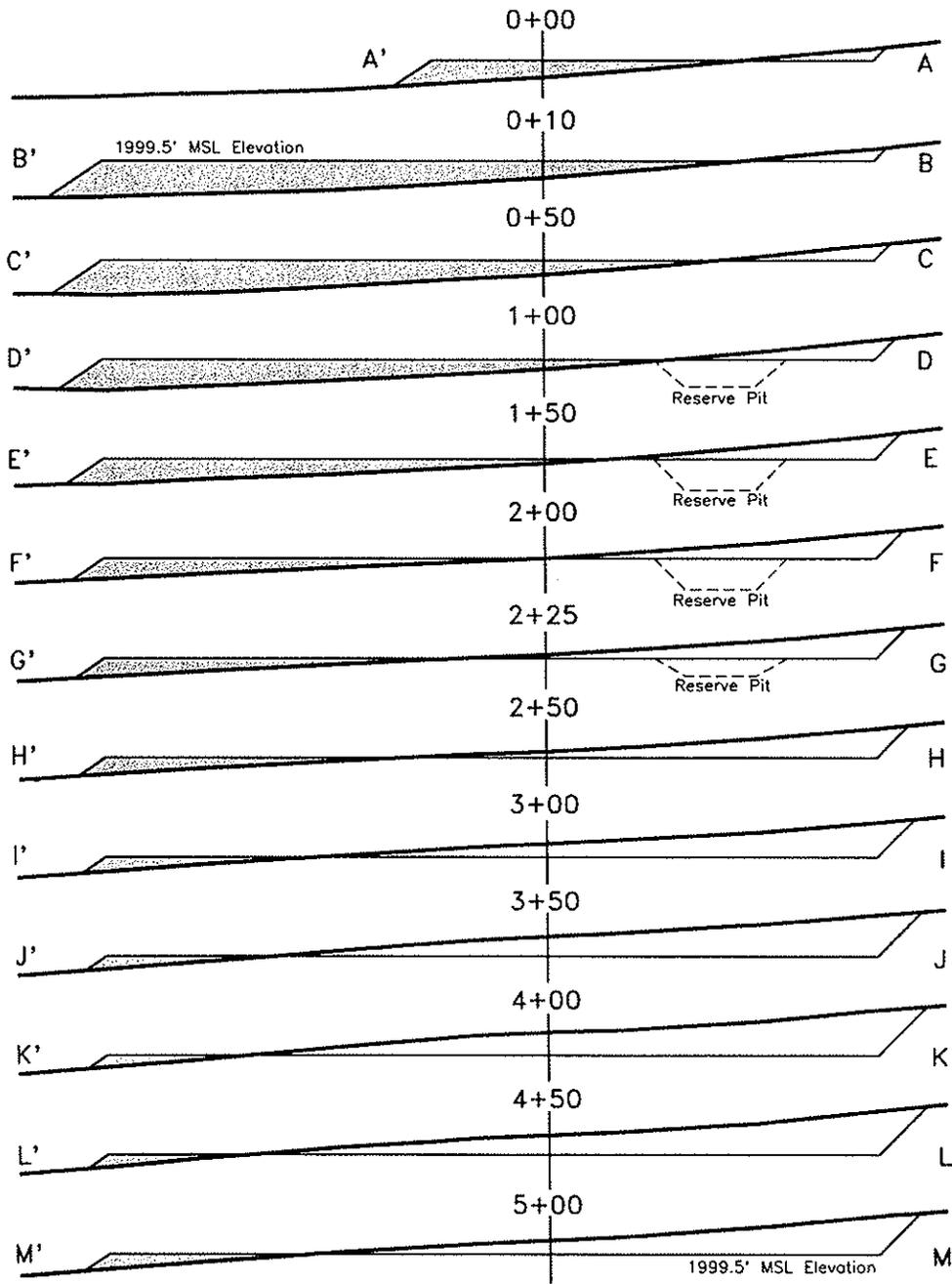
Confidentiality Notice: The information contained on this plat is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.

Three Affiliated Tribes (A 1756)
W1/2W1/2 of Section 10
T 148 N, R 93 W

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Planners

Drawn By W.B./B.C	Surveyed By J. Northrop	Approved By R. Leach	Scale 1"=80'	Date 9/10/2009
Field Book OW-215	Material Pad Layout	Revised 8/25/2010	Project No. 3709353	Drawing No. 7

Pad Cross Sections Kodiak Oil & Gas Corp. Skunk Creek #12-10-11-9H

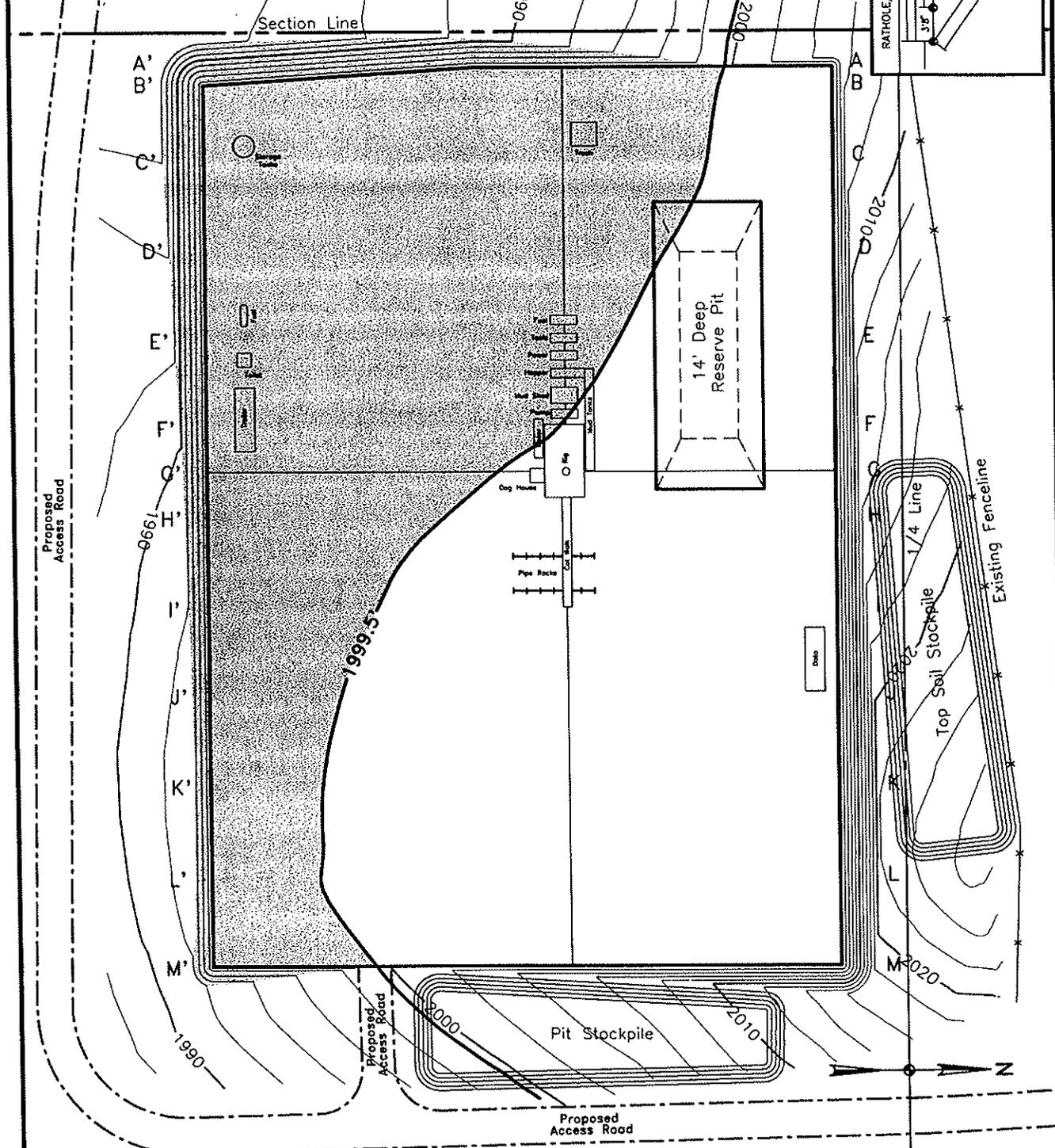
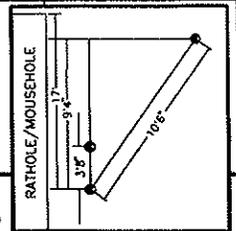


Confidentiality Notice: The information contained on this plat is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.

Drawn By W.B./B.C	Checked By J. Northrop	Approved By R. Leach	Scale 1" = 80'	Date 9/10/2009
Field Book OW-215	Material Cross Sections	Revised 8/25/2010	Project No. 3709353	Drawing No. 8

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Rig Layout Kodiak Oil & Gas Corp. Skunk Creek #12-10-11-9H



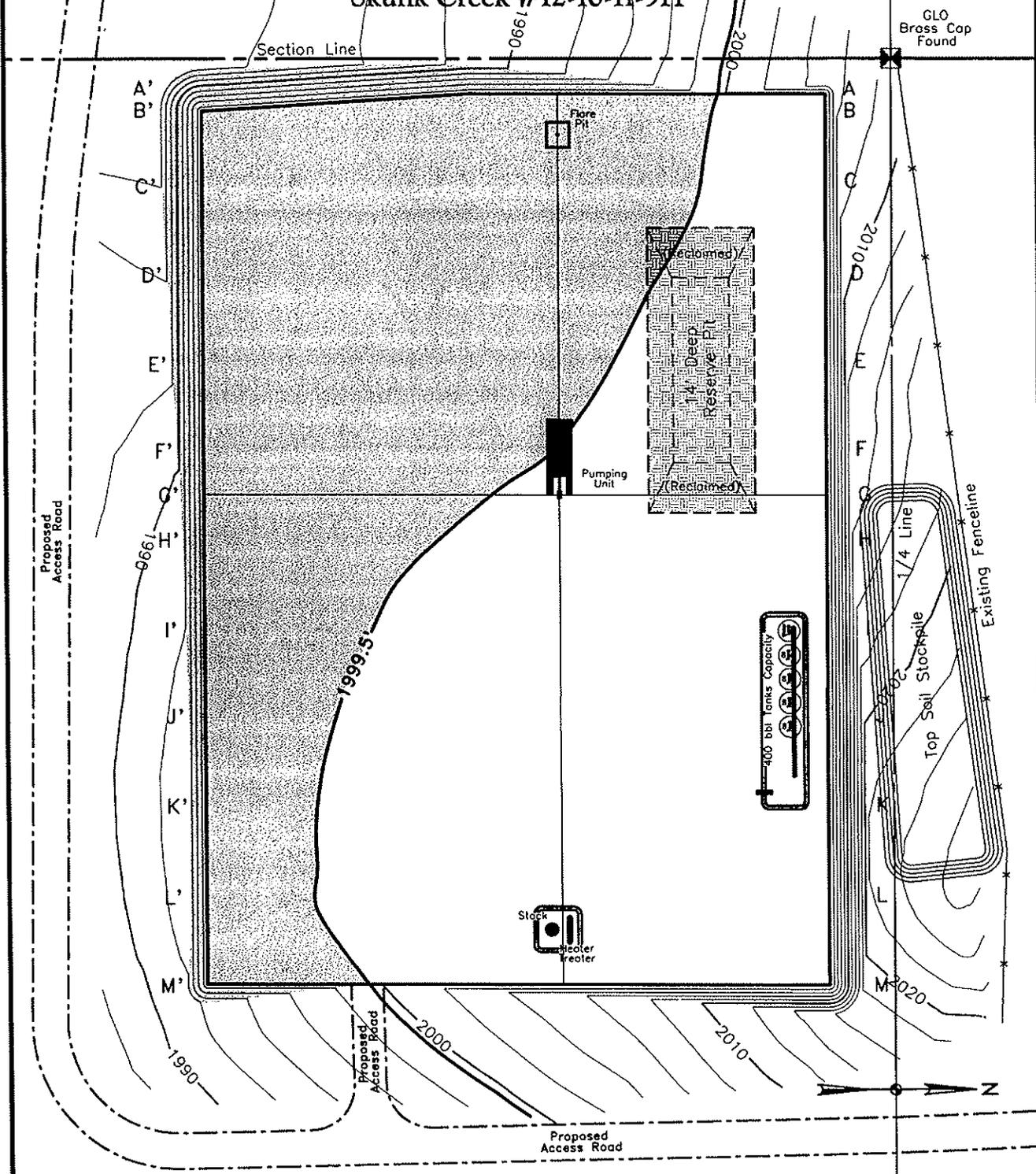
Confidentiality Notice: The information contained on this plat is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.

Three Affiliated Tribes (A 1756)
W1/2W1/2 of Section 10
T 148 N, R 93 W

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Drawn By W.B./B.C	Checked By J. Northrop	Approved By R. Leach	Scale 1"=80'	Date 9/10/2009
Field Book OW-215	Material Rig Layout	Revised 8/25/2010	Project No. 3709353	Drawing No. 9

Production Layout Kodiak Oil & Gas Corp. Skunk Creek #12-10-11-9H1



GLO
Bross Cap
Found

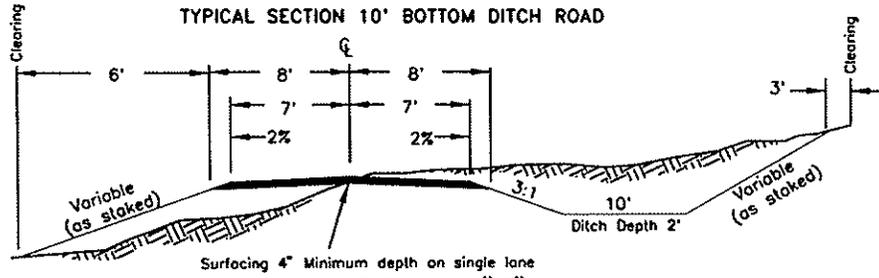
Confidentiality Notice: The information contained on this plat is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.

Three Affiliated Tribes (A 1756)
W1/2W1/2 of Section 10
T 148 N, R 93 W

**Kadmas
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Jackson**
Engineers Surveyors
Planners

Drawn By W.B./B.C	Surveyed By J. Northrop	Approved By R. Leach	Scale 1" = 80'	Date 9/10/2009
Field Book OW-215	Material Production	Revised 8/25/2010	Project No. 3709353	Drawing No. 10

Road Typical Sections Kodiak Oil & Gas Corp. Skunk Creek #12-10-11-9H



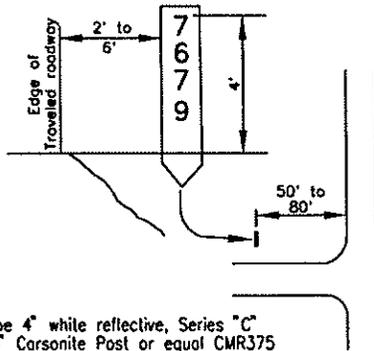
TYPICAL "B"
No Scale

FILL SLOPES
3:1 Under 4' Height
2:1 Over 4' Height
(-) Slopes steeper than 2:1 will be subject to FS approval

FILL WIDENING
2' to 5' high/add 1'
Over 5' high/add 2'
CURVE WIDENING
130 / R

CUT SLOPES
3:1 Under 10' height
2:1 10' to 20' height
(-) Variable over 20' height W/FS approval

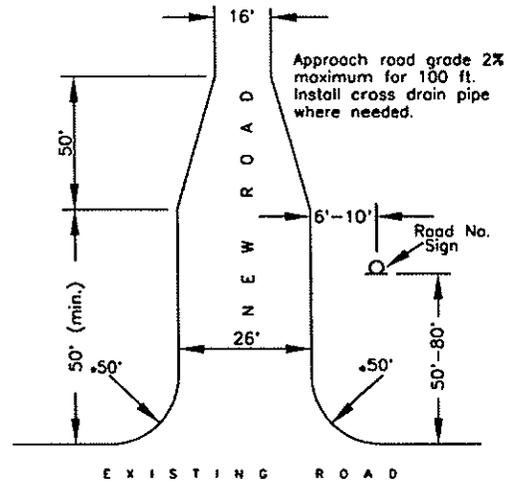
TYPICAL SECTION VERTICAL ROUTE MARKER



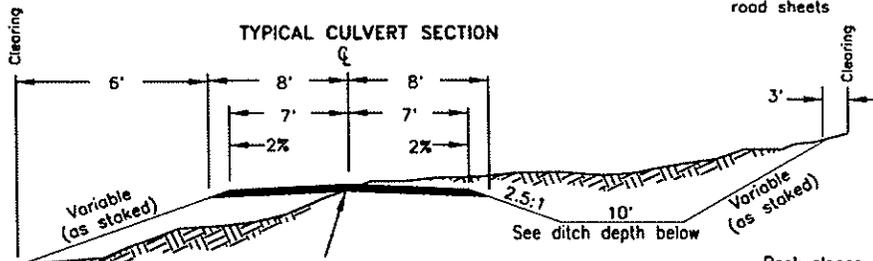
Letters shall be 4" white reflective, Series "C" on Brown 6" 6" Carsonite Post or equal CMR375
Figure 11-28.- Typical Signage for Vertical Route Markers

TYPICAL "F"
No Scale

TYPICAL APPROACH ROAD CONNECTION



*As noted on road sheets



Fill slopes are V1 H1.5 (1.5:1) or as staked

Ditch width shall be the larger of the following:
A. Standard ditch width
B. 2 times the pipe diameter
C. 4.25'

Ditch depth shall be:
CMP diameter Ditch depth
18" 2.5'
24" 3.0'
36" 4.0'
48" 5.0'

Back slopes are V1 H1 (1:1) or as staked

TYPICAL "A"
No Scale

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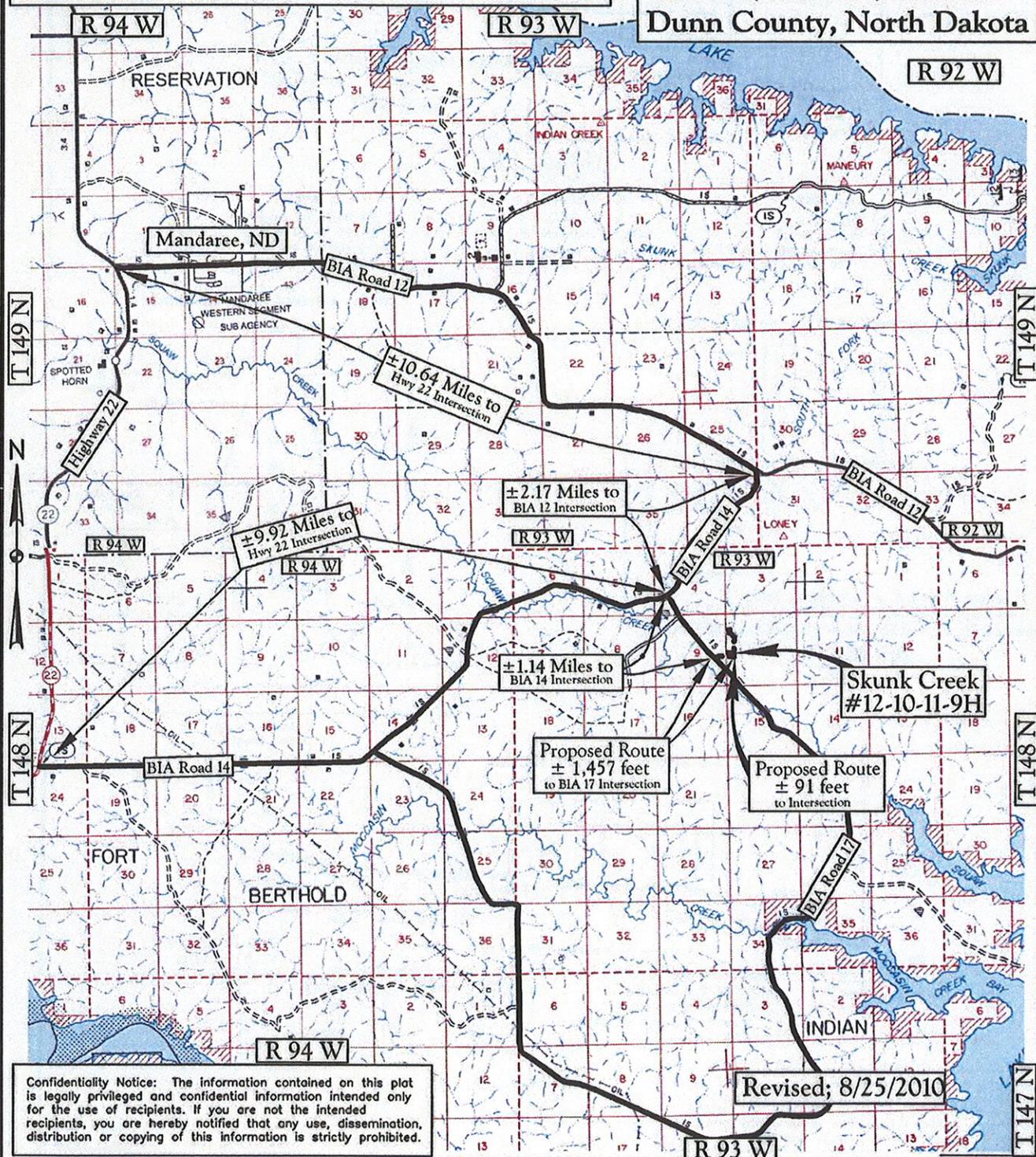
**Kadmas
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Drawn By W.B./B.C	Surveyed By J. Northrop	Approved By R. Leach	Scale None	Date 9/10/2009
Field Book OW-215	Material Road Typical	Revised 8/25/2010	Project No. 3709353	Drawing No. 11

Narrative Directions:

From Mandaree, ND, go east out of town on BIA 12 for 9.4 miles to the BIA 14 intersection, turn right (southwesterly) and go 2.2 miles to the BIA 17 intersection, turn left (southerly) and go 1.14 miles to the start of the Skunk Creek #4-10-11H access road, turn left (easterly) and go 1457 feet to the start of the Skunk Creek #12-10-11-9H access road, turn left (westerly) and go 91 feet onto the well location.

Kodiak Oil & Gas Corp.
Skunk Creek #12-10-11-9H
2450' FSL & 245' FWL
NW1/4SW1/4 Section 10
T.148N., R.93W., 5th P.M.
Dunn County, North Dakota



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Revised; 8/25/2010

Map "A"
County Access Route

Legend

Existing Roads —————

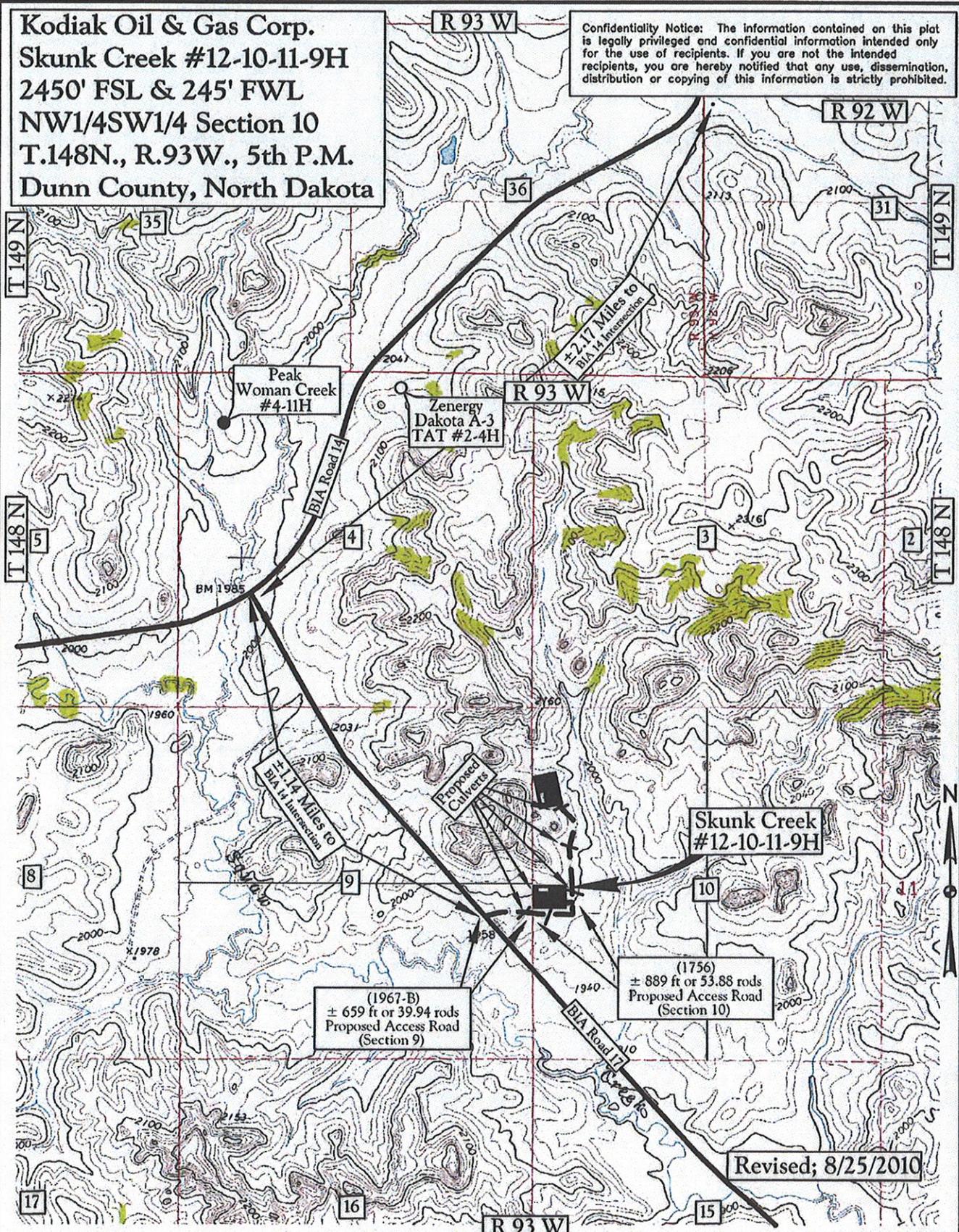
Proposed Roads - - - - -

Scale 1"=2 Miles

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Kodiak Oil & Gas Corp.
Skunk Creek #12-10-11-9H
 2450' FSL & 245' FWL
 NW1/4SW1/4 Section 10
 T.148N., R.93W., 5th P.M.
 Dunn County, North Dakota

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Revised; 8/25/2010

Map "B"
Quad Access Route

Legend

Existing Roads 

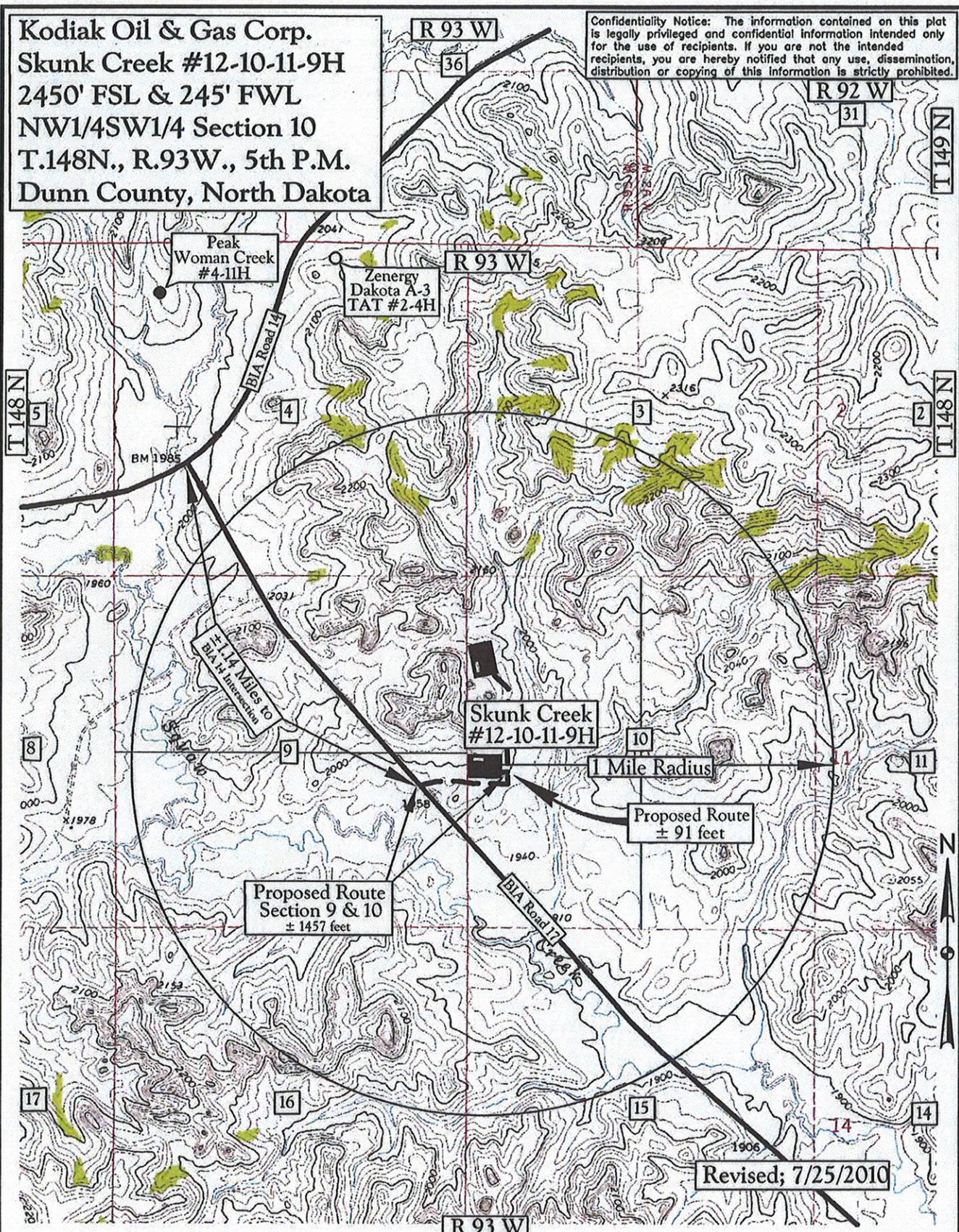
Proposed Roads 

Scale 1" = 2000'

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Kodiak Oil & Gas Corp.
Skunk Creek #12-10-11-9H
 2450' FSL & 245' FWL
 NW1/4SW1/4 Section 10
 T.148N., R.93W., 5th P.M.
 Dunn County, North Dakota

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Map "C"
One Mile Radius Map

Legend
 Existing Roads —————
 Proposed Roads - - - - -

Scale 1" = 2000'

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Lee &
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 Engineers Surveyors
 Planners

Legend

wells

STATUS, WELL_TYPE

 A, AGD	 DRL, AI	 LOC, GASD
 A, AI	 DRL, GASC	 LOC, OG
 A, CBM	 DRL, GASD	 LOC, SWD
 A, DF	 DRL, OG	 LOC, WI
 A, DFP	 DRL, SWD	 PA, DF
 A, GASC	 DRL, WI	 PA, GASC
 A, GASD	 DRY, GASC	 PA, GASD
 A, GASN	 DRY, GASD	 PA, GS
 A, OG	 DRY, OG	 PA, OG
 A, SWD	 DRY, ST	 PA, SWD
 A, WI	 EXP, GASD	 PA, WI
 A, WS	 EXP, OG	 PA, WS
 A, AI	 EXP, SWD	 PNC, GASD
 AB, AI	 EXP, WS	 PNC, OG
 AB, DF	 IA, AI	 PNC, SWD
 AB, DFP	 IA, CBM	 TA, AI
 AB, GASC	 IA, DF	 TA, GASC
 AB, GASD	 IA, DFP	 TA, GASD
 AB, GI	 IA, GASC	 TA, OG
 AB, OG	 IA, GASD	 TA, SWD
 AB, SWD	 IA, OG	 TA, WI
 AB, WI	 IA, SWD	 TA, WS
 AB, WS	 IA, WI	 TAO, GI
 Confidential, Confidential	 IA, WS	 TAO, OG
	 IA, AI	 TAO, WI
	 LOC, GASD	

A = Active, AB = Abandoned, DRL = Drilling, Dry = Dry, EXP = Expired, IA = Inactive, LOC = Location, PA = Producer Abandoned, PNC = Permit Now Cancelled
TA = Temporarily Abandoned, TAO = Temporarily Abandoned Observation.

AGD = Acid Gas Disposal, AI = Air Injection, DF = Dump Flood, DFP = Dump Flood Producing, GASN = Nitrogen Gas Well, GASC = Gas Condensate, GASD = Gas Dry,
GI = Gas Injection, GS = Gas Storage, OG = Oil or Gas Well, SWD = Salt Water Disposal, WI = Water Injection, WS = Water Supply, ST = Strat Test

Exhibit "D"
GIS Well Symbols

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Jackson
Hydrogeological Services
Division



Prepared by: R.D.L. / Oil and Gas Division

Kodiak Oil & Gas Corp.
Skunk Creek #12-10-11-9H, 2450' FSL & 245' FWL
NW1/4SW1/4 Section 10, T.148N., R.93W., 5th P.M. Dunn County, ND

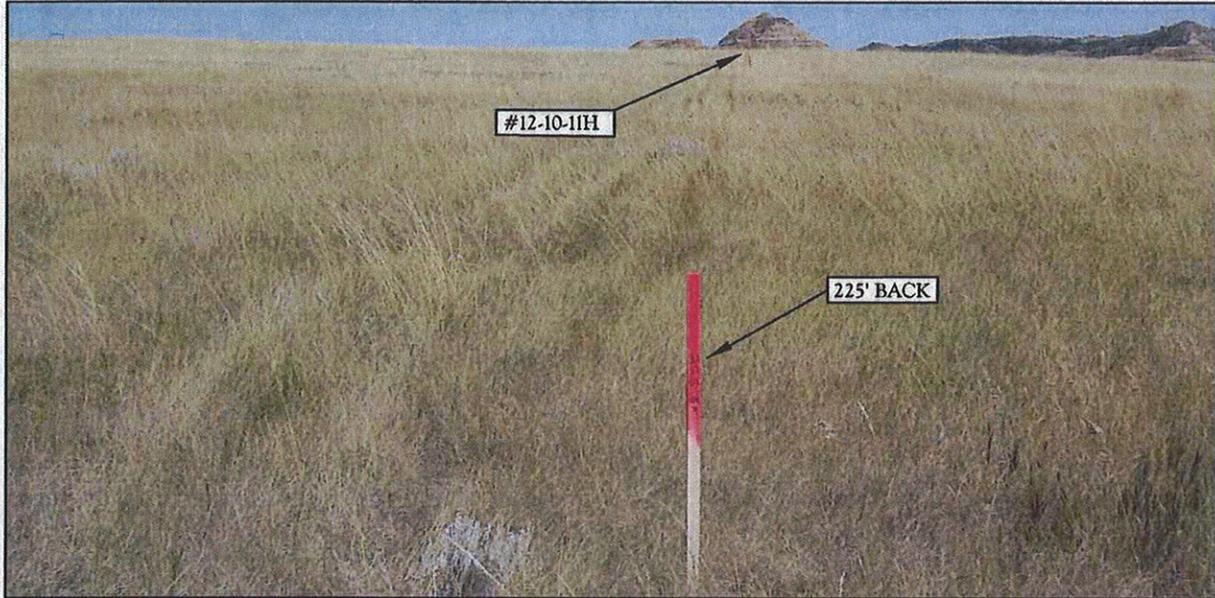


PHOTO: VIEW OF 225' BACK

CAMERA ANGLE: EASTERLY



PHOTO: VIEW OF WELL STAKE

CAMERA ANGLE: NORTHEASTERLY

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Location Photos
Exhibit A

Date: 08/26/2009
 Taken By: J. Northrop
 Drawn By: W.F. Bemman

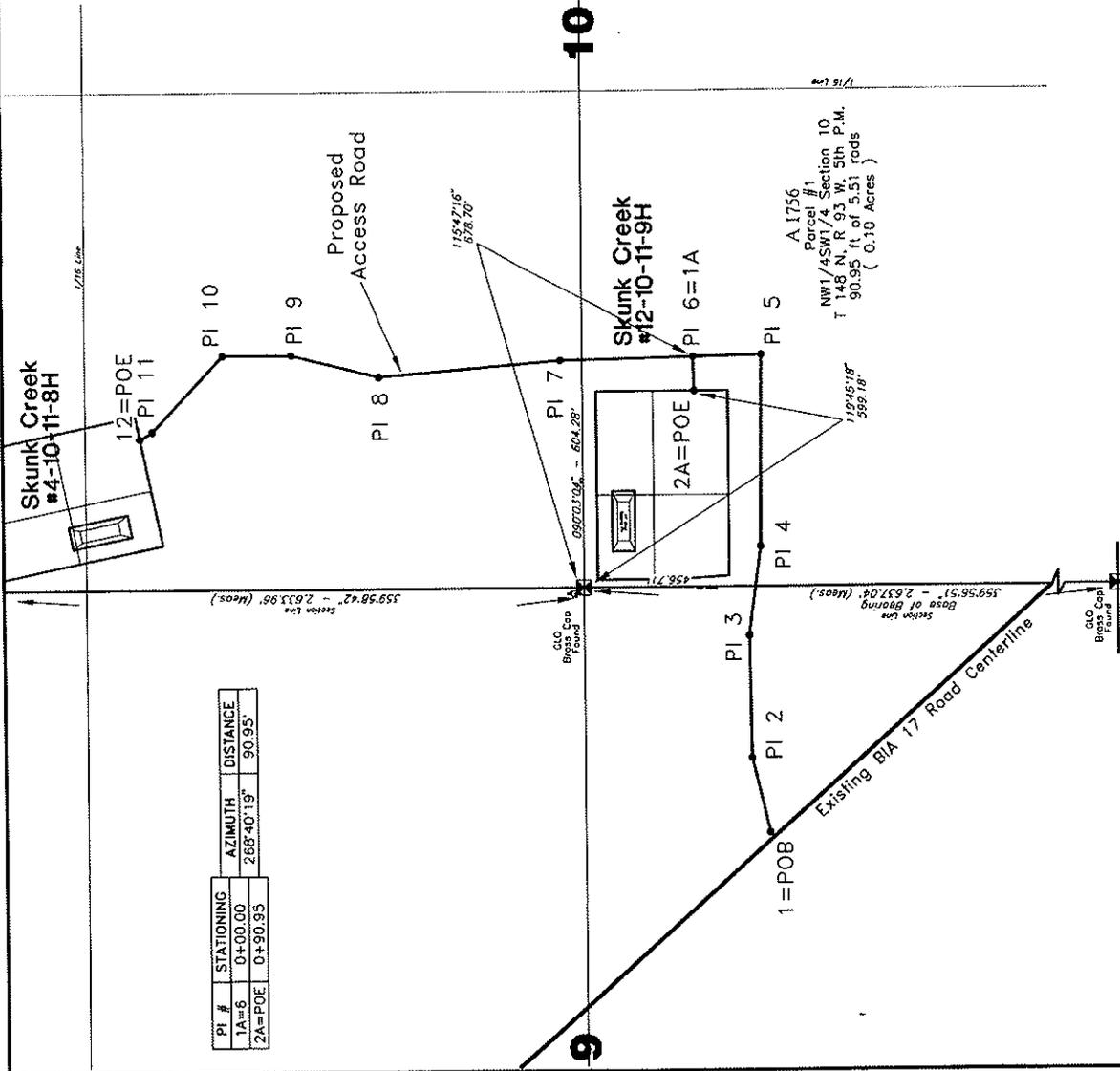
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Lee &
Jackson
 Engineers Surveyors
 Planners

Road Right-of-Way Description

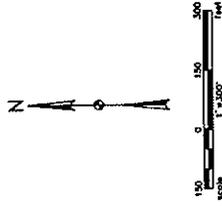
A tract of land located in the Northwest Quarter of the Southwest Quarter (NW1/4SW1/4) of Section 10, Township 148 North, Range 93 West of the 5th Principal Meridian, Dunn County, State of North Dakota, being more specifically described as a strip of land fifty (50) feet in width, lying twenty-five (25) feet on each side of the following described centerline:

Commencing at the West Quarter corner (GLO Brass Cap Found) of said Section 10; thence on an azimuth of 115°47'18", a distance of 678.70 feet to the POINT OF BEGINNING on the west shoulder of the proposed access road for the Skunk Creek #4-10-11-8H; thence on an azimuth of 268°40'19", a distance of 90.95 feet to the POINT OF ENDING on the east edge of the Skunk Creek #12-10-11-9H well pad; said ending point being located in the Northwest Quarter of the Southwest Quarter (NW1/4SW1/4) of said Section 10, said ending point lies on an azimuth of 119°45'18", a distance of 599.18 feet from the West Quarter corner of said Section 10.

Said tract contains 90.95 feet or 5.51 rods (0.10 Acres).

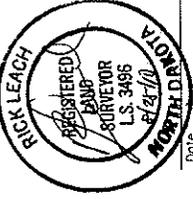


PI #	STATIONING	AZIMUTH	DISTANCE
1A=6	0+00.00	268°40'19"	90.95'
2A=POE	0+90.95		



I, Rick Leach, Professional Land Surveyor, N.D. No. 3496, do hereby certify that the survey plat shown hereon was made by me, or under my direction, from notes made in the field, and that the same is true and correct to the best of my knowledge and belief. The field survey was completed by Jay Northrup on August 26, 2009.

[Signature]
Rick Leach, Professional Land Surveyor
N.D. No. 3496



Client	Kodiak Oil & Gas Corp.
Project	Skunk Creek #12-10-11-9H Access Road
Sheet No.	13
Section	Section 9 & 10
Township	T 148 N R 93 W
Range	R 93 W
County	Dunn County, N.D.
Date	8/24/10

WELL LOCATION PLAT

Kodiak Oil & Gas Corp.
1625 Broadway, Suite 250 Denver, Colorado 80202

Two Shields Butte #5-7-8-1H

1445 feet from the north line and 160 feet from the west line (surface location)

Section 7, T. 149 N., R. 92 W., 5th P.M.

550 feet from the north line and 250 feet from the east line (bottom location)

Section 8, T. 149 N., R. 92 W., 5th P.M.

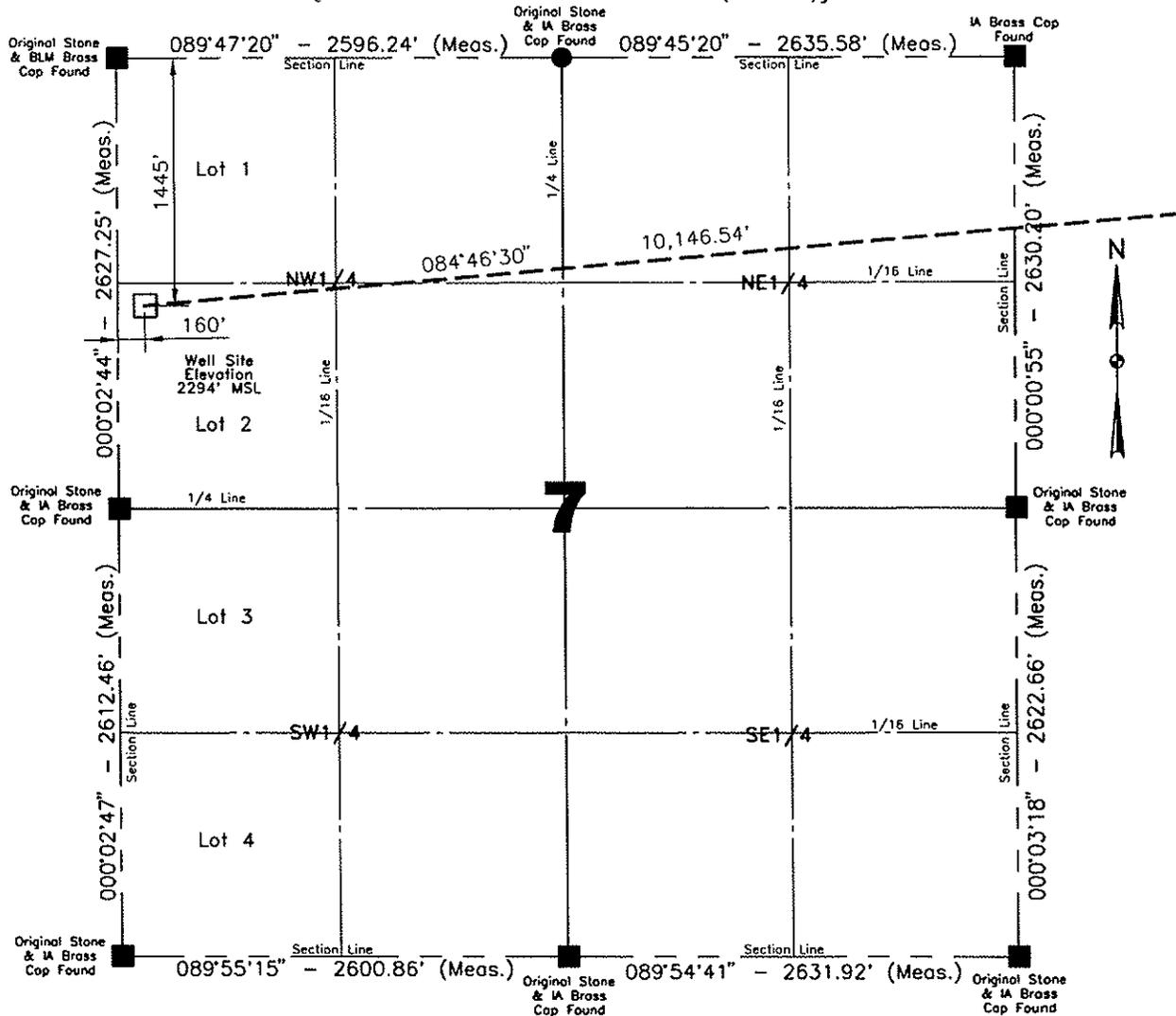
Dunn County, North Dakota

Surface owner @ well site - 2175

Latitude 47°44'32.16" North; Longitude 102°30'49.15" West (surface location)

Latitude 47°44'41.27" North; Longitude 102°28'21.32" West (bottom hole location)

[Derived from OPUS Solution NAD-83(CORS96)]



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NOTE: All land corners are assumed unless otherwise noted. The well location shown hereon is not an as-built location.

Scale 1"=1000'

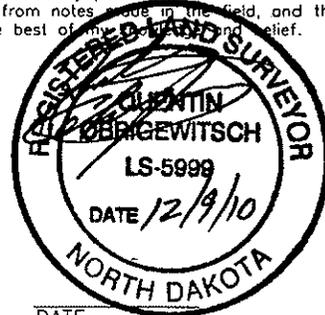
I, Quentin Obrigewitsch, Professional Land Surveyor, N.D. No. 5999, do hereby certify that the survey plat shown hereon was made by me, or under my direction, from notes made in the field, and the same is true and correct to the best of my knowledge and belief.

Jay Northrop 8/24/2009
Surveyed By Date

Revised: 12/2/2010

Vertical Control Datum Used
Sea-Level Datum of NAVD 88
Based on elevation derived from OPUS Solution on GPS-Skunk Bay (iron rebar) Located a distance of 177.60' on an azimuth of 144°32'54" from the NW corner of Section 8 T.149N., R.92W., 5th P.M. being at 2284.60' Elevation MSL.

Professional Consulting Engineers and Surveyors
Registered in
North Dakota, South Dakota
Montana, Wyoming & Minnesota
Tele-Fax No. 701-483-2795
Bus. Phone No. 701-483-1284
P.O. Box 290
677 27th Ave. E.
Dickinson, North Dakota 58602
Certificate of Authorization IC-061



Kadmas
Lee &
Jackson
Engineers Surveyors
Planners

Project No. 3709237
Book OW-215 Pg. 21-22 Staking

DATE

HORIZONTAL SECTION PLAT

Kodiak Oil & Gas Corp.
1625 Broadway, Suite 250 Denver, Colorado 80202

Two Shields Butte #5-7-8-1H

1445 feet from the north line and 160 feet from the west line (surface location)

Section 7, T. 149 N., R. 92 W., 5th P.M.

550 feet from the north line and 250 feet from the east line (bottom location)

Section 8, T. 149 N., R. 92 W., 5th P.M.

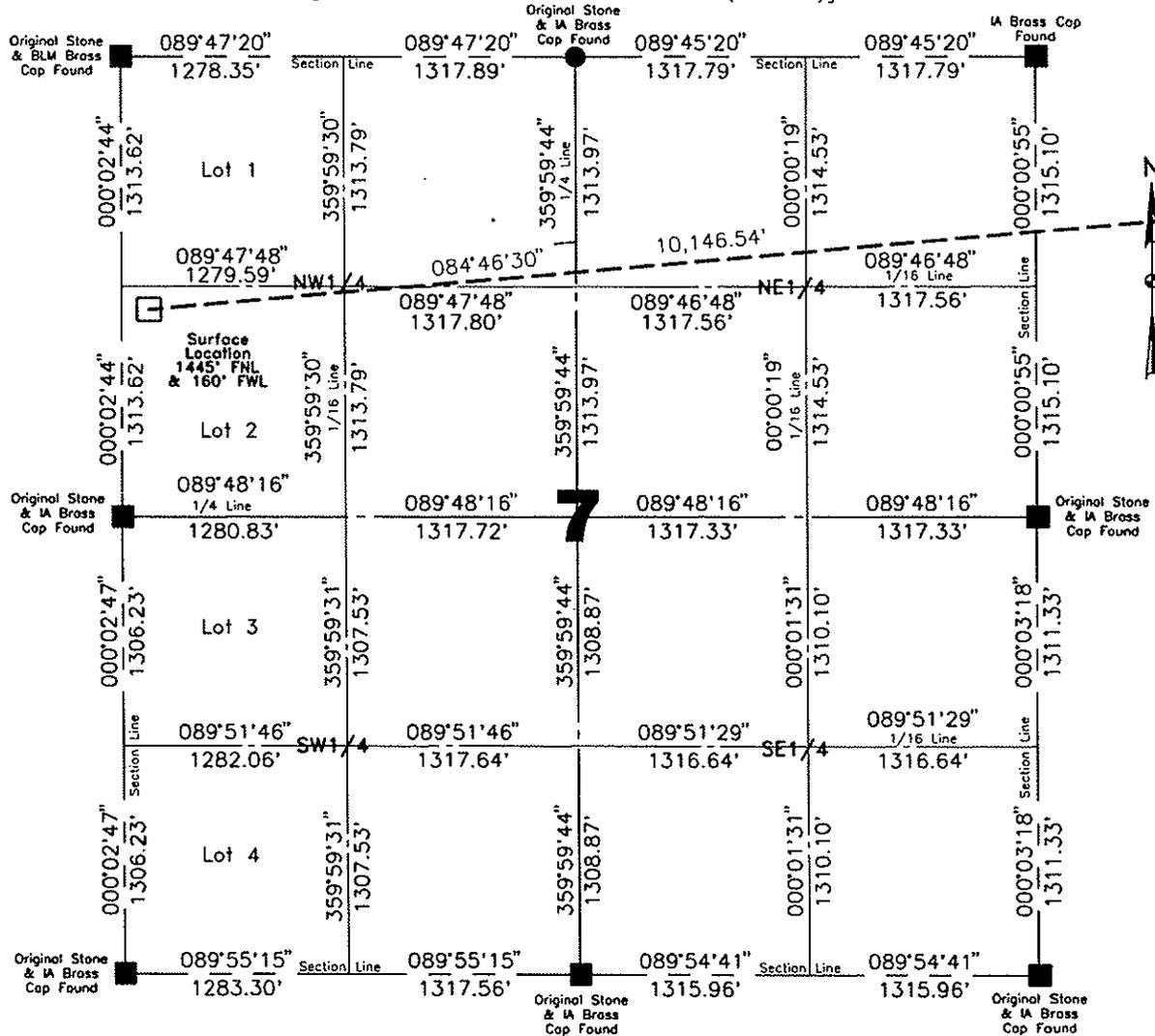
Dunn County, North Dakota

Surface owner @ well site - 2175

Latitude 47°44'32.16" North; Longitude 102°30'49.15" West (surface location)

Latitude 47°44'41.27" North; Longitude 102°28'21.32" West (bottom hole location)

[Derived from OPUS Solution NAD-83(CORS96)]

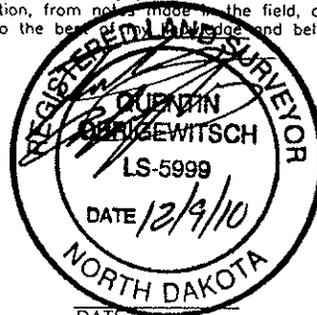


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Scale 1"=1000'

I, Quentin Obrigewitsch, Professional Land Surveyor, N.D. No. 5999, do hereby certify that the survey plat shown hereon was made by me, or under my direction, from notes made in the field, and the same is true and correct to the best of my knowledge and belief.

All corners shown on this plat were found in the field during Kodiak Oil & Gas Corp. Two Shields Butte #5-7-8-1H oil well survey on August 24, 2009. Distances to all others are calculated. All azimuths are based on the east line of the NE1/4 of Section 7, being on an azimuth of 000°00'55".



**Kadmas
Lee &
Jackson**
Engineers Surveyors
Planners

Surveyed By Jay Northrop	Field Book OW-215
Computed & Drawn By M.C.E./R.K.C	Project No. 3709237

Revised: 12/2/2010

DATE

HORIZONTAL SECTION PLAT

Kodiak Oil & Gas Corp.
1625 Broadway, Suite 250 Denver, Colorado 80202

Two Shields Butte #5-7-8-1H

1445 feet from the north line and 160 feet from the west line (surface location)

Section 7, T. 149 N., R. 92 W., 5th P.M.

550 feet from the north line and 250 feet from the east line (bottom location)

Section 8, T. 149 N., R. 92 W., 5th P.M.

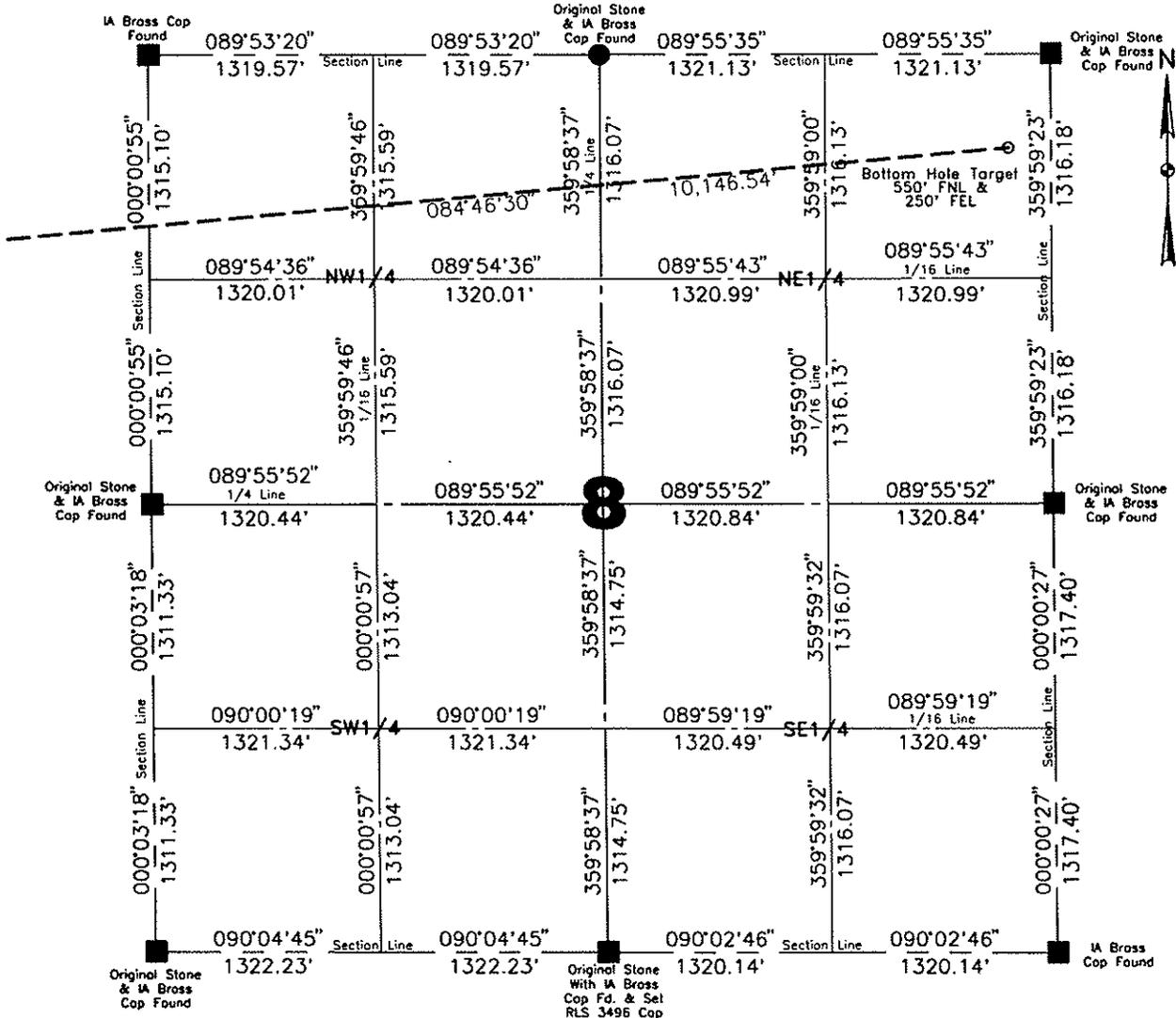
Dunn County, North Dakota

Surface owner @ well site - 2175

Latitude 47°44'32.16" North; Longitude 102°30'49.15" West (surface location)

Latitude 47°44'41.27" North; Longitude 102°28'21.32" West (bottom hole location)

[Derived from OPUS Solution NAD-83(CORS96)]

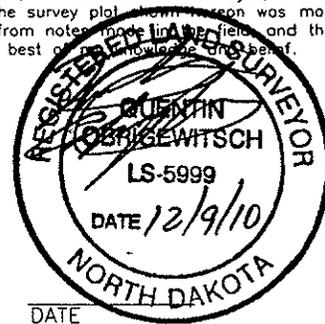


Scale 1"=1000'

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All corners shown on this plat were found in the field during Kodiak Oil & Gas Corp. Two Shields Butte #5-7-8-1H oil well survey on August 24, 2009. Distances to all others are calculated. All azimuths are based on the west line of the NW 1/4 of Section 8, being on an azimuth of 000°00'55".

I, Quentin Obrigewitsch, Professional Land Surveyor, N.D. No. 5999, do hereby certify that the survey plat shown herein was made by me, or under my direction, from notes made in the field, and the same is true and correct to the best of my knowledge and belief.



Kadmas
Lee &
Jackson
Engineers Surveyors
Planners

Surveyed By Jay Northrop	Field Book OW-215
Computed & Drawn By M.C.E./R.K.C	Project No. 3709237

Revised: 12/2/2010

DATE

BOTTOM HOLE LOCATION PLAT

Kodiak Oil & Gas Corp.
1625 Broadway, Suite 250 Denver, Colorado 80202

Two Shields Butte #5-7-8-1H

1445 feet from the north line and 160 feet from the west line (surface location)

Section 7, T. 149 N., R. 92 W., 5th P.M.

550 feet from the north line and 250 feet from the east line (bottom location)

Section 8, T. 149 N., R. 92 W., 5th P.M.

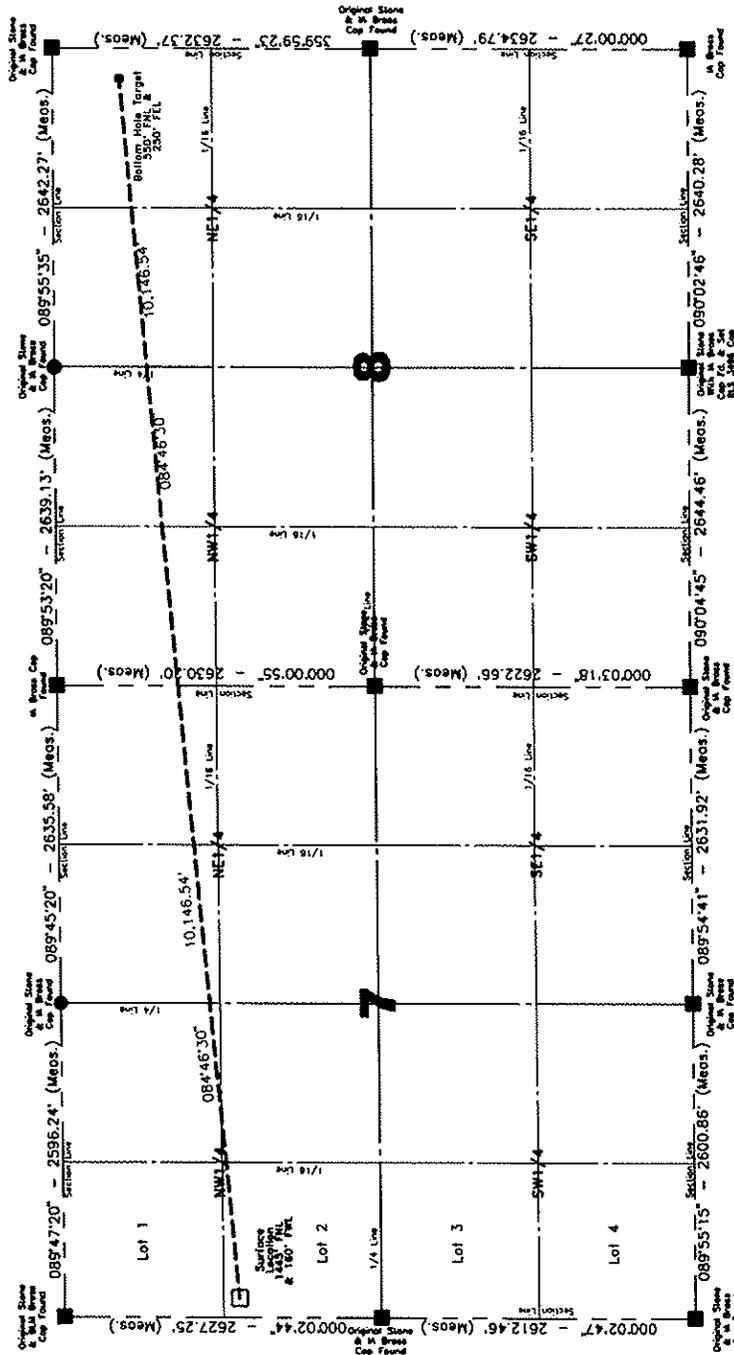
Dunn County, North Dakota

Surface owner @ well site - 2175

Latitude 47°44'32.16" North; Longitude 102°30'49.15" West (surface location)

Latitude 47°44'41.27" North; Longitude 102°28'21.32" West (bottom hole location)

[Derived from OPUS Solution NAD-83(CORS96)]



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Surveyed By Jay Northrop	Computed & Drawn By M.C.E./R.K.C	Approved By Q. Obrigewitsch	Scale 1" = 1500'	Date 9/9/2009
Field Book OW-215	Material B.H. Layout	Revised 12/2/2010	Project No. 3709237	Drawing No. 4

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Kodiak Oil & Gas Corp.
Two Shields Butte #5-7-8-1H
Section 7, T 149 N, R 92 W, 5th P.M.
Dunn County, North Dakota

Well Site Elevation 2293.7' MSL
Well Pad Elevation 2293.0' MSL

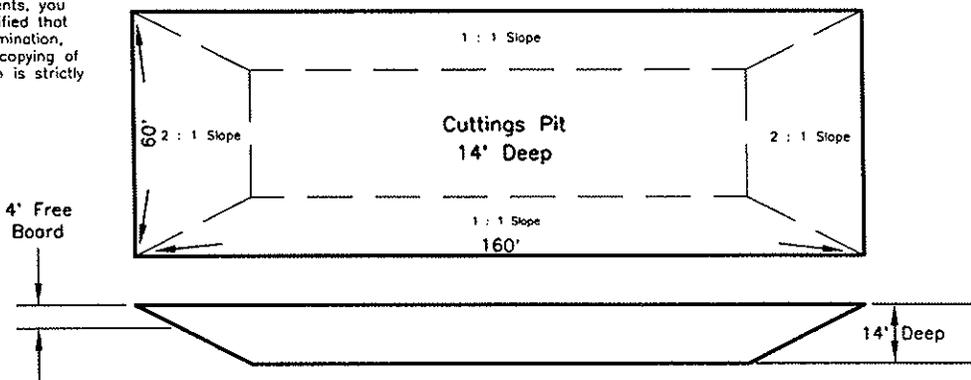
Excavation	29,365 C.Y.
Plus Pit	3,150 C.Y.
	32,515 C.Y.
Embankment	19,295 C.Y.
Plus Shrinkage (+30%)	5,790 C.Y.
	25,085 C.Y.
Stockpile Pit	3,150 C.Y.
Stockpile Top Soil (6")	3,585 C.Y.
Production Rehabilitation	0 C.Y.
Road Embankment & Stockpile from Pad	695 C.Y.
Disturbed Area From Pad Section 7	4.43 Acres
Disturbed Area From Pad Section 12	0.01 Acres
Total Disturbed Area From Pad	4.44 Acres
Area Inside Barbed Wire Fence	5.57 Acres

NOTE :
All cut end slopes are designed at 1:1 slopes &
All fill end slopes are designed at 1 1/2:1 slopes

Well Site Location

1445' FNL
160' FWL

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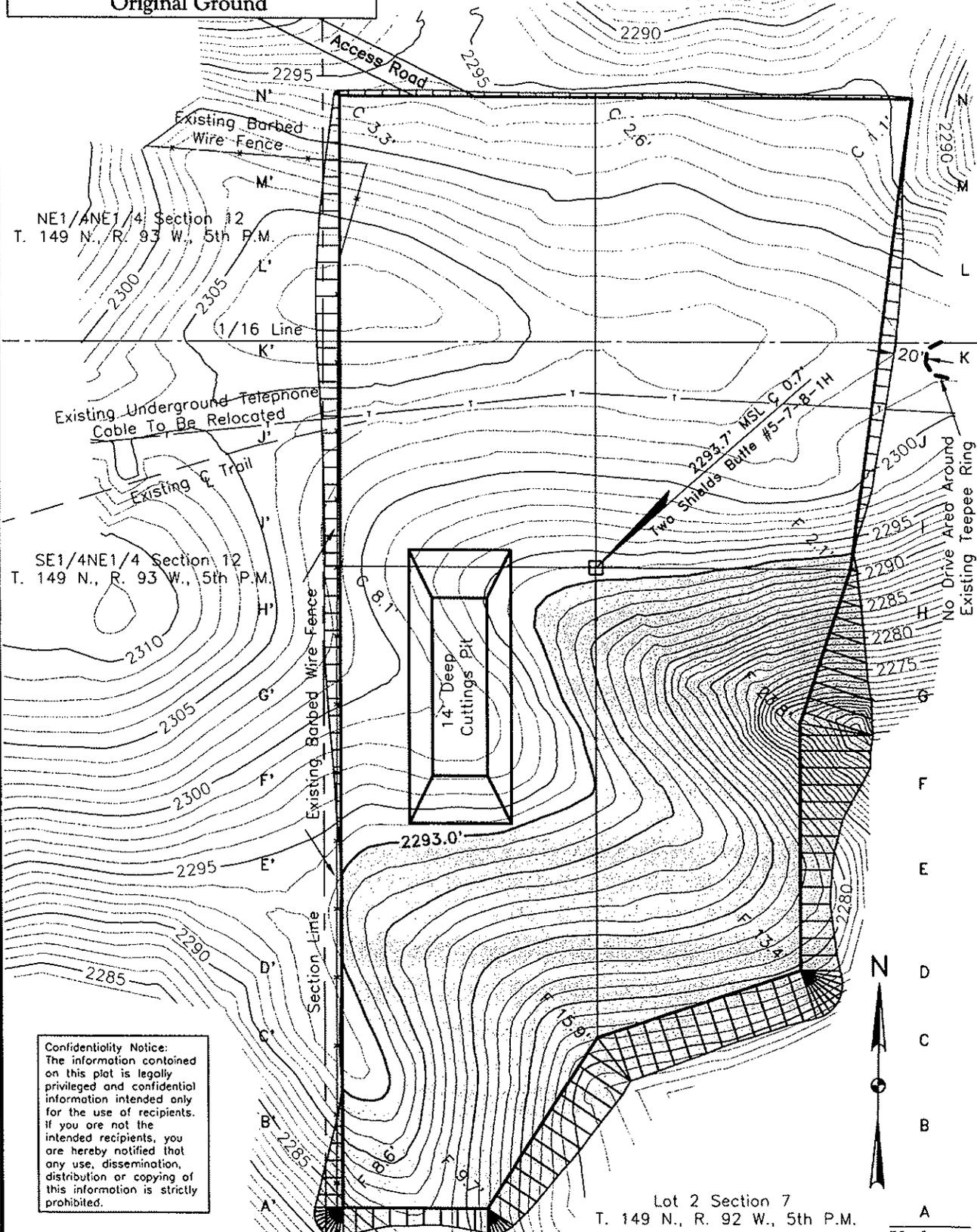


Drawn By M.C. Erdman	Surveyed By Jay Northrop	Approved By Rick Leach	Scale None	Date 9/9/2009
Field Book OW-215	Material Quantities	Revised 6/22/2010	Project No. 3709237	Drawing No. 5

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Two Shields Butte #5-7-8-1H
Original Ground

Lot 1 Section 7
T. 149 N., R. 92 W., 5th P.M.



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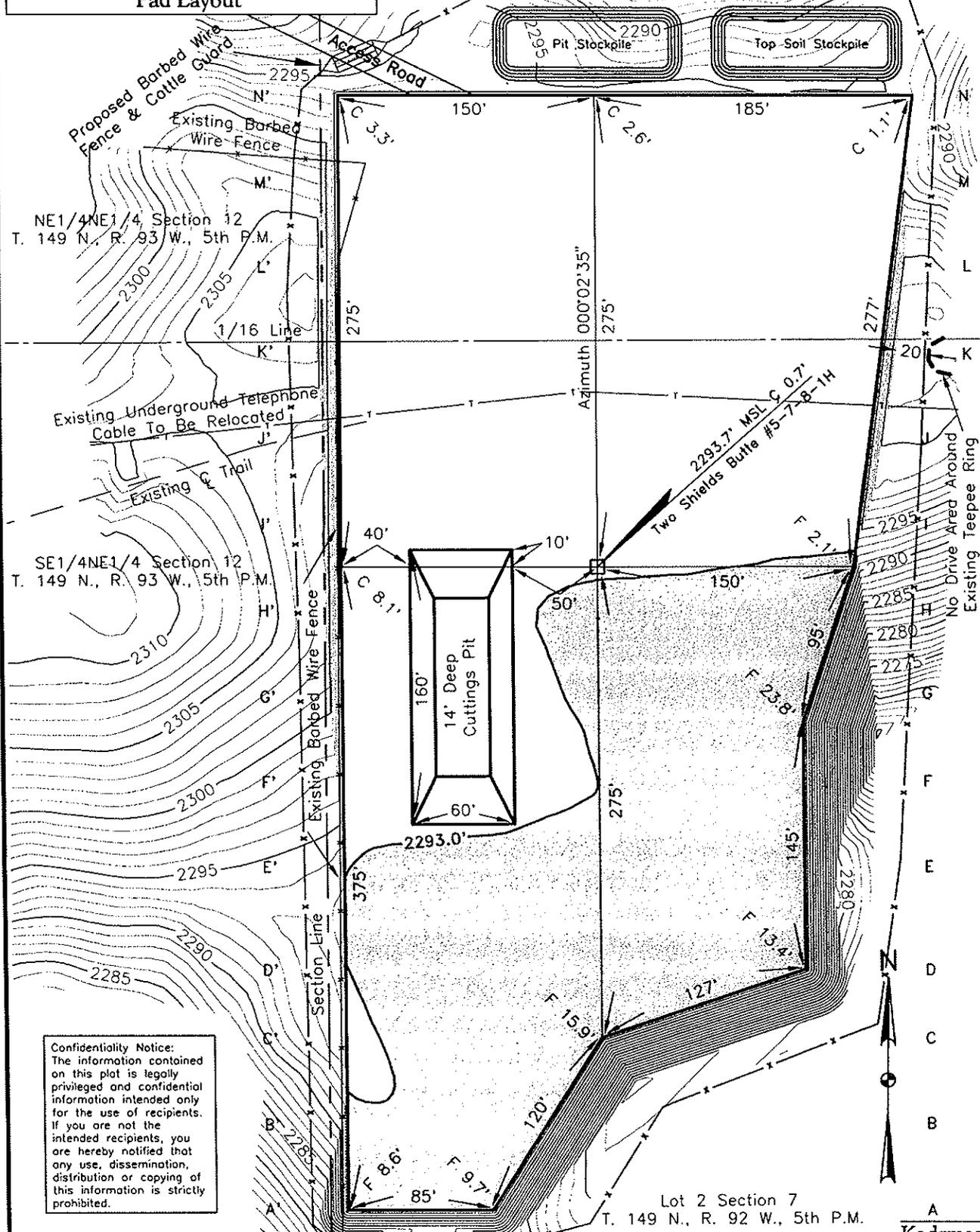
Lot 2 Section 7
T. 149 N., R. 92 W., 5th P.M.

Drawn By M.C.E./R.K.C.	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 9/9/2009
Field Book OW-215	Material Original Ground	Revised 12/3/2010	Project No. 3709237	Drawing No. 6

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Two Shields Butte #5-7-8-1H Pad Layout

Lot 1 Section 7
T. 149 N., R. 92 W., 5th P.M.

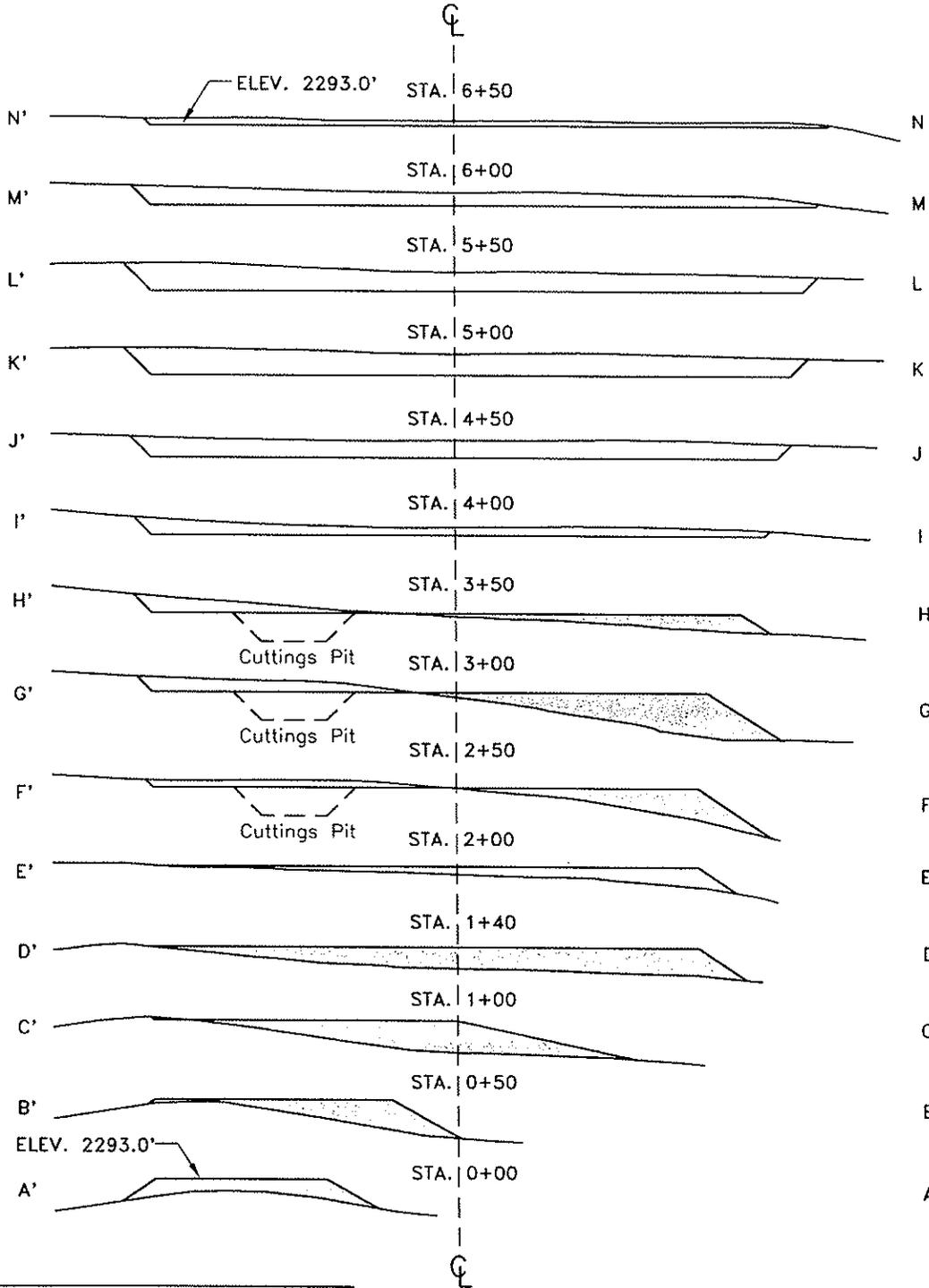


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Drawn By M.C.E./R.K.C.	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 9/9/2009
Field Book OW-215	Material Pad Layout	Revised 12/3/2010	Project No. 3709237	Drawing No. 7

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Two Shields Butte #5-7-8-1H Cross Sections



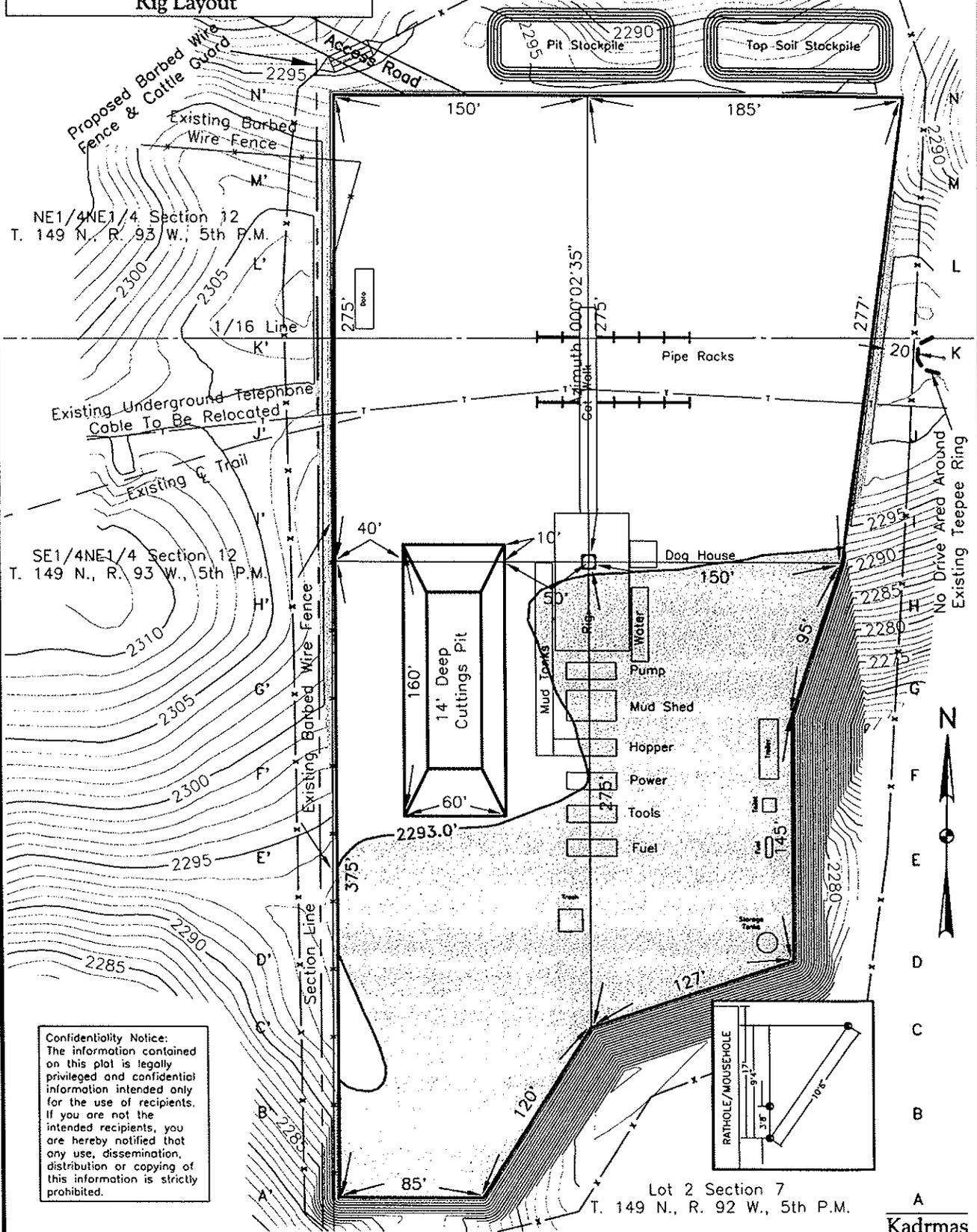
Confidentiality Notice: The information contained on this plot is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.

Drawn By M.C.E./R.K.C.	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 9/9/2009
Field Book 0W-215	Material Cross Sections	Revised 12/3/2010	Project No. 3709237	Drawing No. 8

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Two Shields Butte #5-7-8-1H Rig Layout

Lot 1 Section 7
T. 149 N., R. 92 W., 5th P.M.



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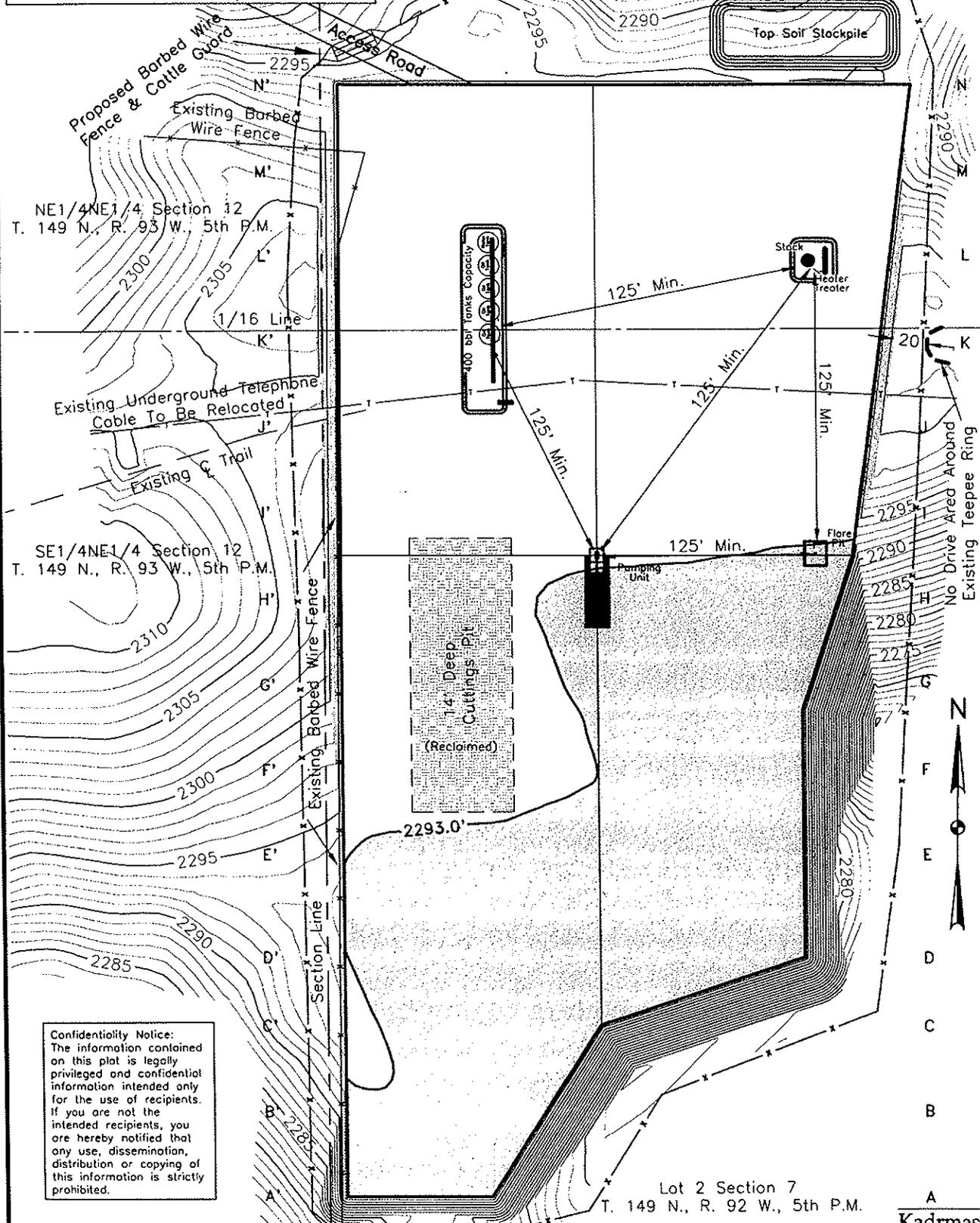
Lot 2 Section 7
T. 149 N., R. 92 W., 5th P.M.

Drawn By M.C.E./R.K.C.	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 9/9/2009
Field Book OW-215	Material Rig Layout	Revised 12/3/2010	Project No. 3709237	Drawing No. 9

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Two Shields Butte #5-7-8-1H Production Layout

Lot 1 Section 7
T. 149 N., R. 92 W., 5th P.M.



NE1/4NE1/4 Section 12
T. 149 N., R. 93 W., 5th P.M.

SE1/4NE1/4 Section 12
T. 149 N., R. 93 W., 5th P.M.

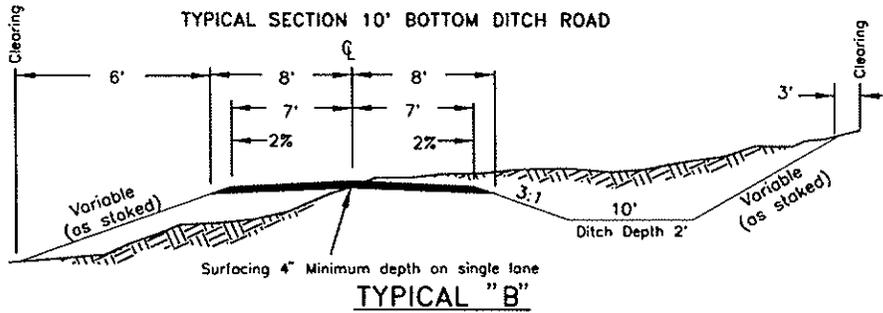
Lot 2 Section 7
T. 149 N., R. 92 W., 5th P.M.

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Drawn By M.C.E./R.K.C.	Surveyed By Jay Northrop	Approved By Q. Obrigewitsch	Scale 1" = 80'	Date 9/9/2009
Field Book OW-215	Material Prod Layout	Revised 12/3/2010	Project No. 3709237	Drawing No. 10

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Two Shields Butte #5-7-8-1H Roadway Typical Sections



TYPICAL "B"

No Scale

FILL SLOPES

3:1 Under 4' Height
2:1 Over 4' Height
(-) Slopes steeper than 2:1 will be subject to FS approval

FILL WIDENING

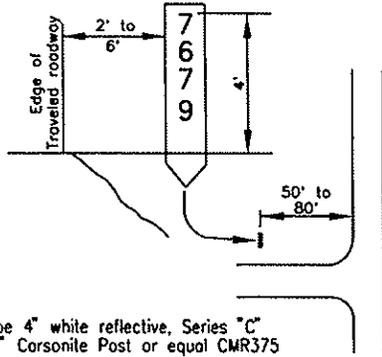
2' to 5' high/add 1'
Over 5' high/add 2'

CUT SLOPES

3:1 Under 10' height
2:1 10' to 20' height
(-) Variable over 20' height W/FS approval

CURVE WIDENING
130 / R

TYPICAL SECTION VERTICAL ROUTE MARKER



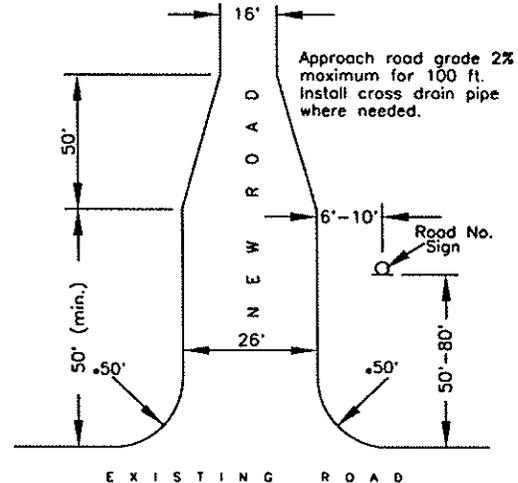
Letters shall be 4" white reflective, Series "C" on Brown 6" 6" Corsonite Post or equal CMR375

Figure 11-28.- Typical Signage for Vertical Route Markers

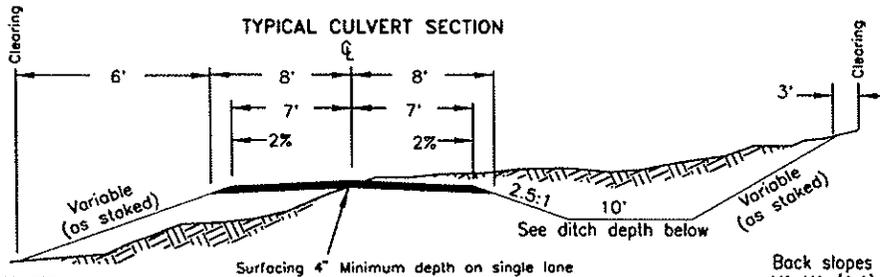
TYPICAL "F"

No Scale

TYPICAL APPROACH ROAD CONNECTION



*As noted on road sheets



Fill slopes are V1 H1.5 (1.5:1) or as staked

Ditch width shall be the larger of the following:
A. Standard ditch width
B. 2 times the pipe diameter
C. 4.25'

Ditch depth shall be:
CMP diameter Ditch depth
18" 2.5'
24" 3.0'
36" 4.0'
48" 5.0'

Back slopes are V1 H1 (1:1) or as staked

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TYPICAL "A"

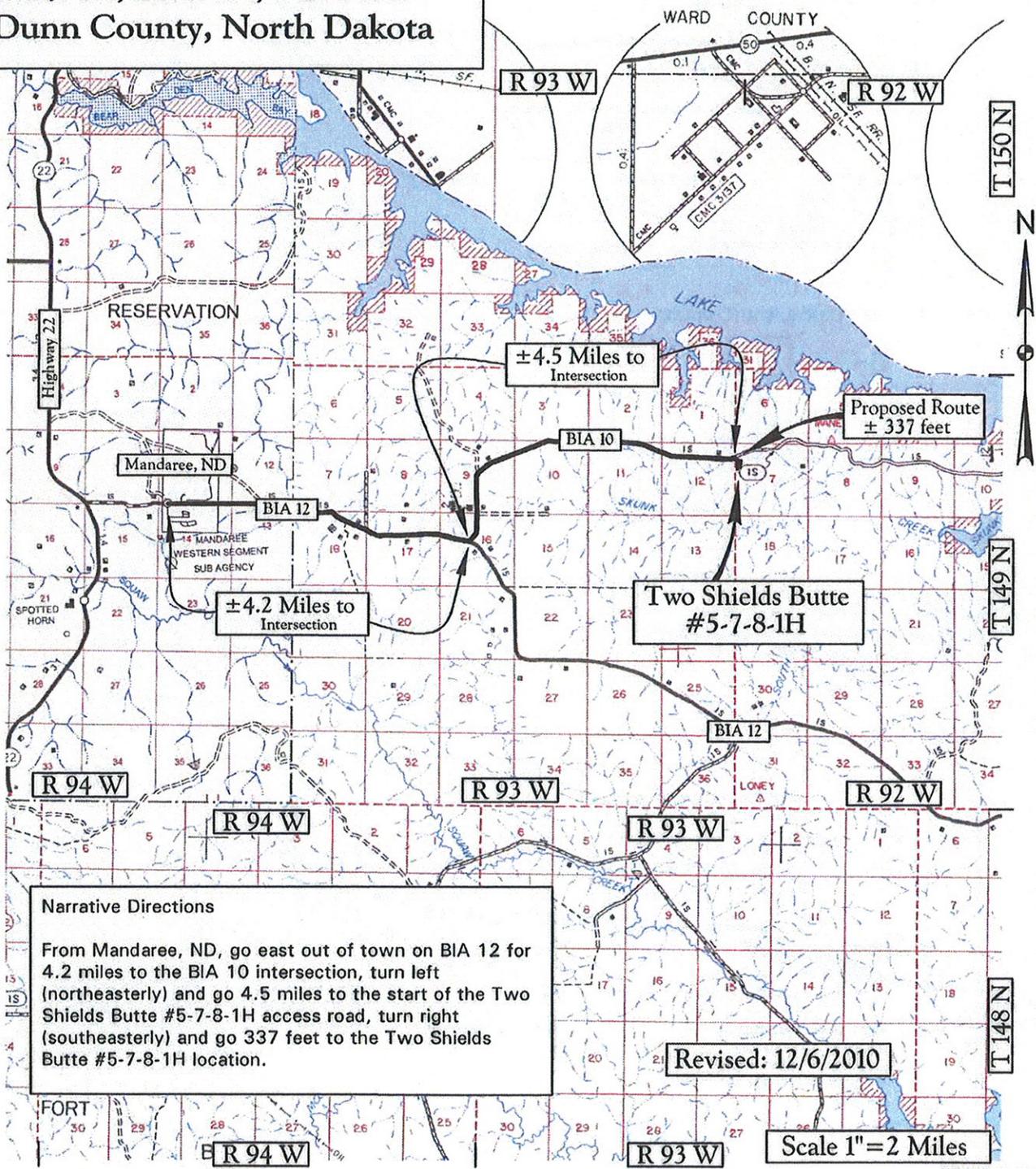
No Scale

Drawn By M.C.E./R.K.C.	Surveyed By Jay Northrop	Approved By Q. Obrigewitch	Scale None	Date 9/9/2009
Field Book OW-215	Material Road Typical	Revised 12/3/2010	Project No. 3709237	Drawing No. 11

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Kodiak Oil & Gas Corp.
Two Shields Butte #5-7-8-1H
1445' FNL & 160' FWL
Lot 2 Section 7
T.149N., R.92W., 5th P.M.
Dunn County, North Dakota

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Narrative Directions

From Mandaree, ND, go east out of town on BIA 12 for 4.2 miles to the BIA 10 intersection, turn left (northeasterly) and go 4.5 miles to the start of the Two Shields Butte #5-7-8-1H access road, turn right (southeasterly) and go 337 feet to the Two Shields Butte #5-7-8-1H location.

Revised: 12/6/2010

Scale 1" = 2 Miles

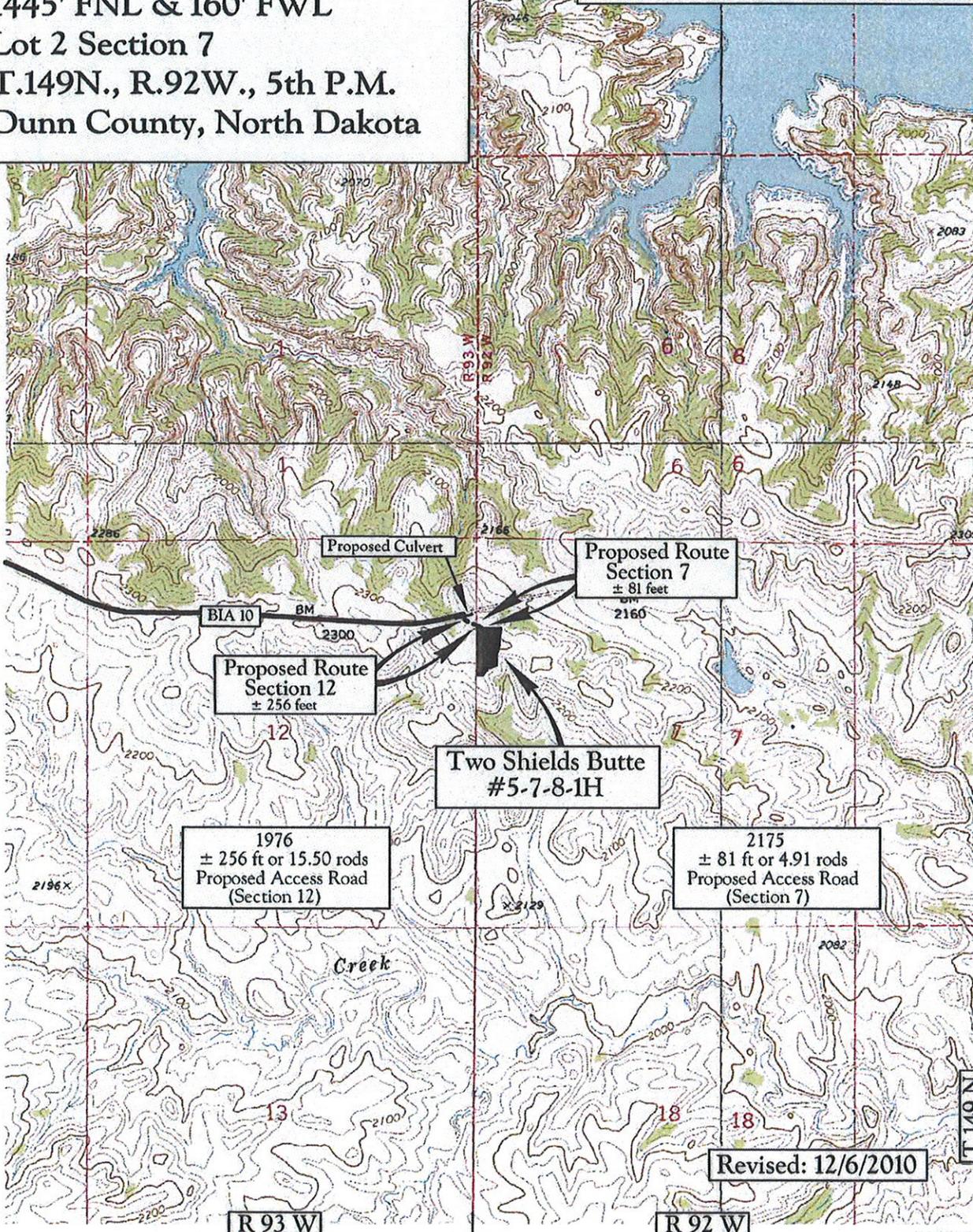
Map "A"
County Access Route

Legend
 Existing Roads —————
 Proposed Roads - - - - -

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Kodiak Oil & Gas Corp.
Two Shields Butte #5-7-8-1H
1445' FNL & 160' FWL
Lot 2 Section 7
T.149N., R.92W., 5th P.M.
Dunn County, North Dakota

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Map "B"
Quad Access Route

Legend
 Existing Roads —————
 Proposed Roads - - - - -

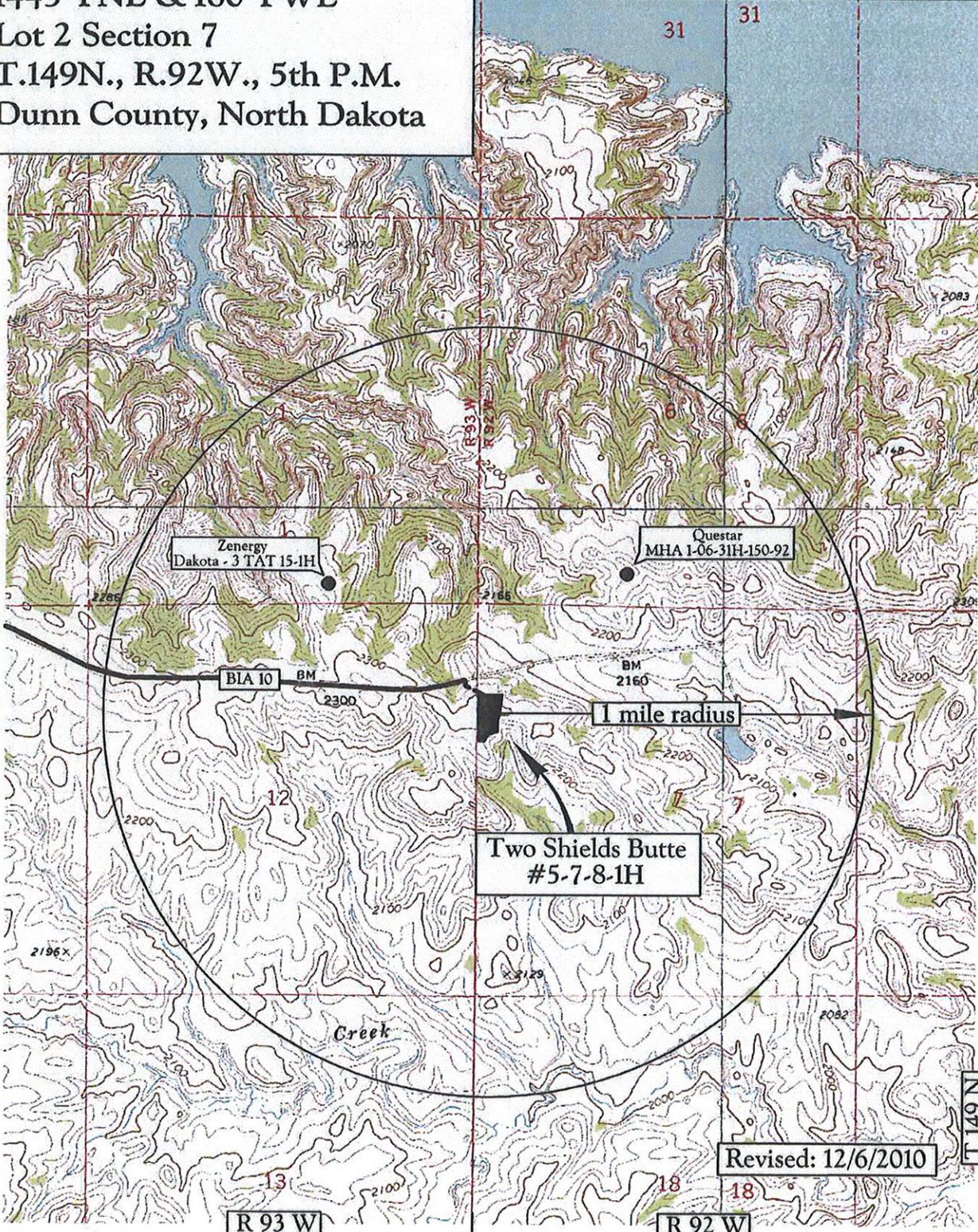
Scale 1" = 2000'

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Revised: 12/6/2010

Kodiak Oil & Gas Corp.
Two Shields Butte #5-7-8-1H
1445' FNL & 160' FWL
Lot 2 Section 7
T.149N., R.92W., 5th P.M.
Dunn County, North Dakota

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Two Shields Butte #5-7-8-1H

1 mile radius

Zenergy
Dakota - 3 TAT 15-1H

Questar
MHA 1-06-31H-150-92

BIA 10 BM

BM 2160

Revised: 12/6/2010

R 93 W

R 92 W

T 149 N

Map "C"
One Mile Radius Map

Legend
 Existing Roads —————
 Proposed Roads - - - - -

Scale 1" = 2000'

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Legend

wells

STATUS, WELL_TYPE

✱	A, AGD	○	DRL, AI	○	LOC, GASD
✱	A, AI	○	DRL, GASC	○	LOC, OG
✱	A, CBM	○	DRL, GASD	○	LOC, SWD
✱	A, DF	○	DRL, OG	○	LOC, WI
✱	A, DFP	○	DRL, SWD	✦	PA, DF
✱	A, GASC	○	DRL, WI	✦	PA, GASC
✱	A, GASD	⊕	DRY, GASC	✦	PA, GASD
✱	A, GASN	⊕	DRY, GASD	✦	PA, GS
●	A, OG	⊕	DRY, OG	✦	PA, OG
△	A, SWD	⊕	DRY, ST	✦	PA, SWD
✱	A, WI	✱	EXP, GASD	✦	PA, WI
✱	A, WS	●	EXP, OG	✦	PA, WS
✱	A, AI	△	EXP, SWD	⊖	PNC, GASD
✱	AB, AI	✱	EXP, WS	⊖	PNC, OG
✱	AB, DF	✱	IA, AI	⊖	PNC, SWD
✱	AB, DFP	✱	IA, CBM	⊗	TA, AI
✱	AB, GASC	✱	IA, DF	⊗	TA, GASC
✱	AB, GASD	✱	IA, DFP	⊗	TA, GASD
✱	AB, GI	✱	IA, GASC	⊗	TA, OG
●	AB, OG	✱	IA, GASD	⊗	TA, SWD
△	AB, SWD	●	IA, OG	⊗	TA, WI
✱	AB, WI	△	IA, SWD	⊗	TA, WS
✱	AB, WS	✱	IA, WI	⊗	TAO, GI
●	Confidential, Confidential	✱	IA, WS	⊗	TAO, OG
		✱	IA, AI	⊗	TAO, WI
		○	LOC, GASC		

A = Active, AB = Abandoned, DRL = Drilling, Dry = Dry, EXP = Expired, IA = Inactive, LOC = Location, PA = Producer Abandoned, PNC = Permit Now Cancelled
TA = Temporarily Abandoned, TAO = Temporarily Abandoned Observation.

AGD = Acid Gas Disposal, AI = Air Injection, DF = Dump Flood, DFP = Dump Flood Producing, GASN = Nitrogen Gas Well, GASC = Gas Condensate, GASD = Gas Dry,
GI = Gas Injection, GS = Gas Storage, OG = Oil or Gas Well, SWD = Salt Water Disposal, WI = Water Injection, WS = Water Supply, ST = Strat Test

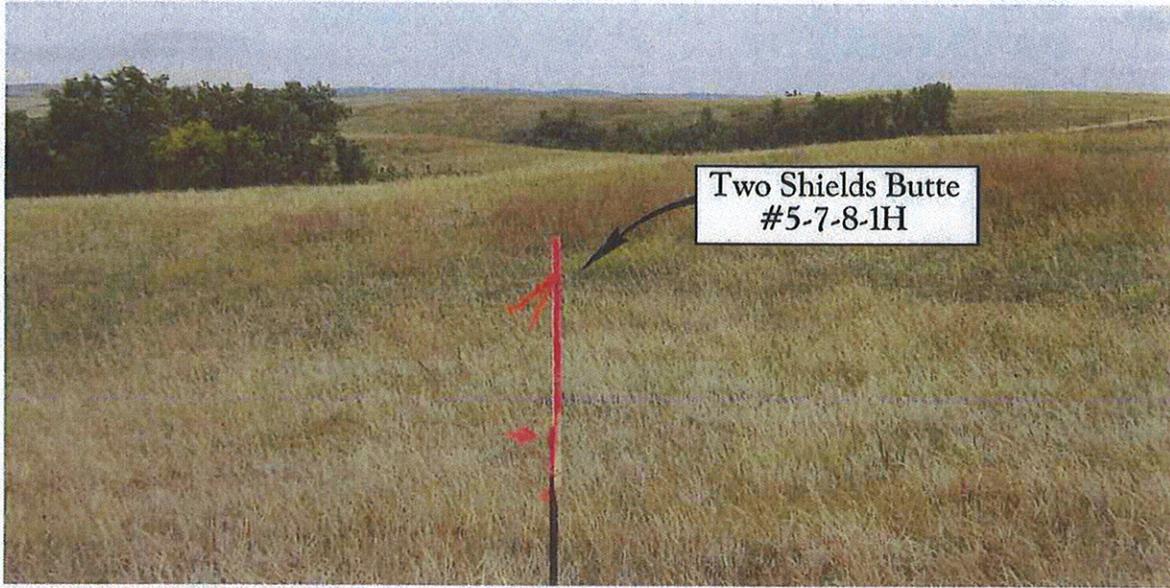
Exhibit "D"
GIS Well Symbols

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Engineers Surveyors
PLC



Prepared by N.D.C. Oil and Gas Division

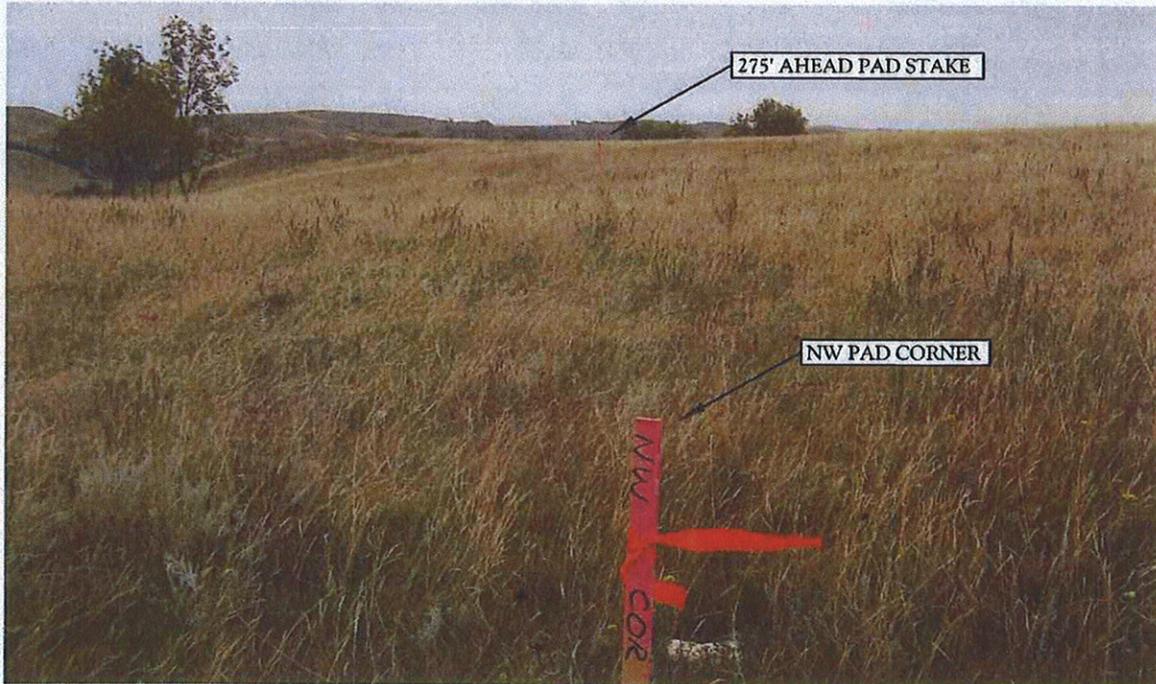
Kodiak Oil & Gas Corp.
Two Shields Butte #5-7-8-1H
 Lot 2 Section 7, T.149N., R.92W., 5th P.M. Dunn County, North Dakota



Two Shields Butte
#5-7-8-1H

PHOTO: VIEW OF WELL STAKE

CAMERA ANGLE: SOUTHEAST



275' AHEAD PAD STAKE

NW PAD CORNER

PHOTO: VIEW OF NW PAD CORNER

CAMERA ANGLE: EAST

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Revised: 12/6/2010

Location Photos
Exhibit A

Date: 6/22/2010
 Taken By: J. Northrop
 Drawn By: M.C.E./R.K.C.

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