

GOTHIC / HOVENWEEP SHALE PLAY OPPORTUNITY ON THE UTE MOUNTAIN UTE INDIAN RESERVATION, COLORADO

Play Highlights and Terms

The Ute Mountain Ute Tribe is offering an opportunity to explore and develop Gothic Shale / Hovenweep Shale plays on Indian lands with demonstrated potential just north of the reservation.

PLAY HIGHLIGHTS

- ACREAGE: Thousands of contiguous acres under one land owner.
- 100% Tribal mineral and surface lands
- Close proximity to San Juan Basin pipeline infrastructure.
- Bill Barrett Corp. (BBC) reports rates in the Gothic Shale ranging from 1.5 to 4.9 MMCF/D and calculates 58 BCF gas-in-place per section in the Gothic Shale based on core. Significant associated light oil (condensate) and NGL production. The western portion of the Ute Mountain Ute Reservation may be in a more oil prone region.
- The northern border of the Ute Mountain Ute Reservation is less than fifteen miles south of Bill Barrett's successful Gothic Koskie wells (Pedro Field), and less than ten miles south of their Hovenweep test, the Gray 13-15.
- Mapping of the Gothic and Hovenweep shale isopachs indicate thicknesses comparable to the Bill Barrett area (approximately 80 – 150 feet).
- Isopach and structure maps of the Gothic and Hovenweep shales have been completed and can be made available to interested parties.
- Geochemical analyses were conducted on cores obtained from the Bill Barrett Play area and the Ute Mountain Ute Reservation for both the Gothic Shale and Hovenweep Shale.
- Agreement will use the 1982 Indian Mineral Development Act. Refer to web site www.bia.gov/WhoWeAre/AS-IA/IEED/DEMD/WIL for sample IMDA agreements.

TERMS

- All terms, except for royalty, are subject to negotiation.
- The minimum royalty to the tribe will be 1/6 (16 2/3%).
- Exploration Blocks Size: 25,000 acres (negotiable)
- 5 year primary term

Gothic and Hovenweep Shale Play

Ute Mountain Ute Indian Reservation COLORADO

Paula Mohseni, Petroleum Geologist
ASSISTANT SECRETARY – INDIAN AFFAIRS, DIVISION OF ENERGY AND MINERAL DEVELOPMENT

Geochemical Analysis and Interpretation by Weatherford Laboratories, 2010

Introduction

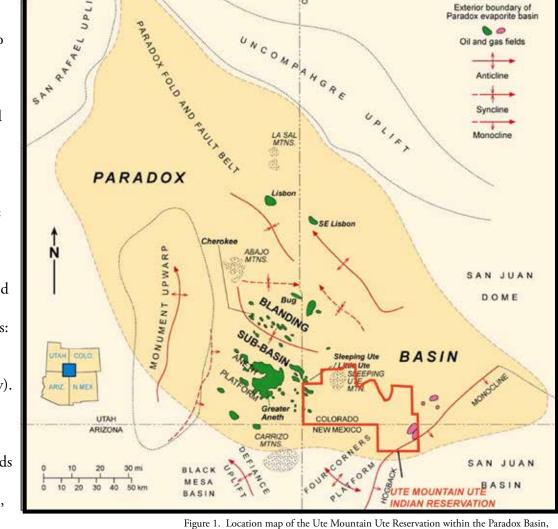
The Ute Mountain Ute Reservation is located in southwestern Colorado/ northwestern New Mexico and lies within the hydrocarbon-bearing Paradox Basin (Figure 1). The Paradox Basin formed during Pennsylvanian time (Desmoinesian), approximately 330 to 310 million years ago. The basin is known for prolific oil fields, such as Aneth, which has produced over 440 million barrels of oil (Chidsey, et. al. SWII), and for natural gas production (Ute Dome cumulative gas: 6,930 MMCF and Barker Dome: cumulative gas: 4,741MMCF, IHS Energy).

These fields produce from the biogenic/bioclastic carbonate and algal mounds associated with the cycles of the Barker Creek, Akah, Desert Creek, and Ismay

stages of the Pennsylvanian Paradox Formation. The organic-rich shales, including Chimney Rock, Gothic, and Hovenweep, that separate these carbonate

Figure 1. Location map of the Ute Mountain Ute Reservation within the Paradox Basin, Utah, Colorado, Arizona, and New Mexico showing producing oil and gas fields, the Paradox fold and fault belt, and Blanding sub-basin as well as surrounding Laramide basins and uplifts (modified from Harr, 1996).

EXPLANATION



reservoirs are thought to be the source of oil and gas (Figure 2 and 3).

Recent advances in technology and horizontal drilling now allow production from these low permeability shales, which were once thought to be too tight to produce. North of the Ute Mountain Ute Reservation, Bill Barrett Corporation (BBC) has claimed success in Gothic and Hovenweep shale-gas plays. Mapped shale thicknesses (up to 150') and geochemical comparisons indicate these prospective shales extend southward from the BBC shale play area though the Ute Mountain Ute Reservation.

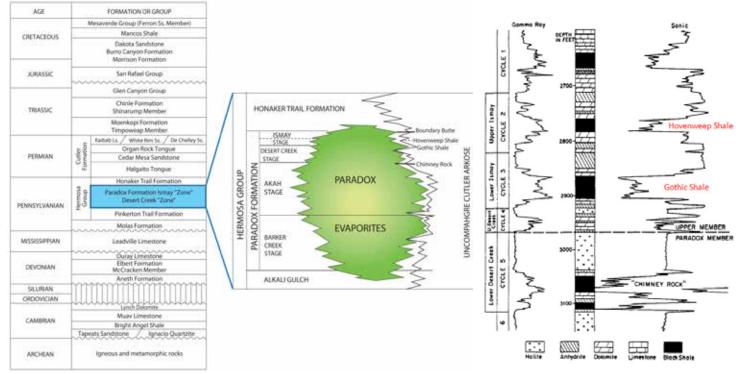


Figure 2. Stratigraphic Section of the Paradox Basin with detailed inset of the Hermosa Group, illustrating facies changes in the Paradox Formation across the basin. The stages of the Paradox Formation are bounded by time stratigraphic marker beds of sapropelic, dolomitic mud. The Gothic and Hovenweep shales represent two of these marker beds (modified from Harr, 1996).

Figure 3. Type log showing lithology of the Paradox Formation (modified from Hite, R.J., Anders, D. E., and Ging, T. G., 1982).

Geologic Comparisons between the Ute Mountain Ute Reservation and Bill Barrett Corp. Area

Nine horizontal Gothic wells and one horizontal Hovenweep well (which is currently shut-in) have been drilled by the BBC just north of the Ute Mountain Ute Reservation. The northern border of the Ute Mountain Ute Reservation is less than fifteen miles south of Barrett's successful Gothic Koskie wells (designated the Pedro Field), and less than ten miles south of their Hovenweep test, the Gray 13-15.

Initial production (IP) rates in the Gothic Shale range from 1.5 to 4.9 MMCF/D. Barrett calculates that there is 58 BCF gas-in-place per section in the Gothic Shale based on their core studies. Currently Barrett is working on frac design and evaluating the overall commerciality of the play (Bill Barrett Corp. conversation with P. Moreland).

Isopach maps for the Gothic and Hovenweep shales (Figures 4 and 5, respectively) indicate comparable thicknesses for the two areas. A structure map of the Gothic Shale (Figure 6) indicates the Gothic is structurally deeper in the Ute Mountain Ute area. The average measured depth for a horizontal well in the BBC area is 9,100'. Laterals range from 2,700' to 4,100' (Bill Barrett Corp., conversation with P. Moreland). Table 1 compares the Gothic and Hovenweep shale thicknesses and true vertical drilling depths of the Barrett area and the Ute Mountain Ute Reservation. The Gothic Shale trends southeast from the Bill Barrett Play area through the eastern portion of Ute Mountain Ute Reservation. A localized thickened section, up to 60 feet thick, is located along the western margin of Ute Mountain Ute Reservation. The Hovenweep thick lies west of that of the Gothic and trends through the central portion of the reservation.

	Thickness (ft) Barrett Area	Thickness (ft) Ute Mountain Ute Reservation	TVD Depth (ft) Barrett Area	TVD Depth (ft) Ute Mountain Ute Reservation
GOTHIC	80-150 ft	80-140 ft.	5,500-5900 FT	5,800-8,850
HOVENWEEP	80-110 ft	80-110 ft.	5,500-7,500	5,900-8,100

TABLE 1. Gothic and Hovenweep shale thicknesses and drilling depths for the Bill Barrett Corp. area and the Ute Mountain Ute Reservation

Gothic Shale Isopach \$ SOLO LOBO FIELD Bill Barrett Corp. Gothic/Hovenweep Shale **Exploration Area** PEDRO FIELD 100 SOUTHERN UTE INDIAN RESERVATION BARKER CREEK FIELD **UTE DOME** 40H 29E 00 Paula Mohseni

Figure 4. Gothic shale isopach map showing the locations of the Bill Barrett Corp. Gothic/Hovenweep shale exploration area and Gothic shale isopach thicks in and around the Ute Mountain Ute Indian Reservation.

Ute Mountain Ute Reservation Boundary

Sleeping Ute Mountain - restricted area

Tribal Park Boundary

Natural Gas Pipeline

Crude Oil Pipeline

OCTOBER, 2010

 $C.I. = 10 \, ft$

Hovenweep Shale Isopach 41N 12W 41N 12W Bill Barrett Corp. Gothic/Hovenweep Shale **Exploration Area Barrett Hovenweep** test well - Gray 13-15 37N 15W SOUTHERN UTE INDIAN RESERVATION FIELD **UTE DOME** FIELD Paula Mohseni Natural Gas Pipeline **Ute Mountain Ute Reservation Boundary** OCTOBER, 2010 Tribal Park Boundary Crude Oil Pipeline C.I. = 10 ft

Figure 5. Hovenweep shale isopach map showing the locations of the Bill Barrett Corp. Gothic/Hovenweep shale exploration area and Hovenweep shale isopach thicks within the Ute Mountain Ute Indian Reservation.

Sleeping Ute Mountain - restricted area

Gothic Shale Structure 41N 12W Bill Barrett Corp. Gothic/Hovenweep Shale **Exploration Area** 34N 14WA SOUTHERN UTE INDIAN RESERVATION BARKER CREEK FIELD UTE DOME Paula Mohseni Natural Gas Pipeline **Ute Mountain Ute Reservation Boundary** OCTOBER, 2010 **Tribal Park Boundary** Crude Oil Pipeline $C.I. = 200 \, ft$ Sleeping Ute Mountain - restricted area

Figure 6. Gothic shale structure map showing the locations of the Bill Barrett Corp. Gothic / Hovenweep shale exploration area and the Ute Mountain Ute Indian Reservation.

Geochemical Evaluation

Geochemical analyses were conducted on cores obtained from the Barrett Play area and the Ute Mountain Ute Reservation for both the Gothic Shale and Hovenweep Shale. For the Gothic Shale two core samples were selected from the Barrett area and three core samples were obtained from the Ute Mountain Ute Reservation. For the Hovenweep Shale, one core sample was selected from the Barrett area and two core chip samples were obtained on the Ute Mountain Ute Reservation.

Weatherford Laboratories performed the geochemical analyses, including programmed pyrolysis hydrocarbon yields (S1 and S2) by Rock-Eval, total organic carbon (TOC), and vitrinite reflectance. Table 2 (Gothic Shale) and Table 3 (Hovenweep Shale) are tabulations of the geochemical analysis of the cores from the Barrett area and Ute Mountain Ute Reservation. Log characteristics, geochemical data, and core photographs for a representative sample of the Gothic Shale (located in the eastern portion of the Ute Mountain Ute Reservation) are shown in Figure 7.

Depth (ft)	1,200	770000000000000000000000000000000000000	Location	USGS	2000	74777777	20 miles	Sample	Leco		RE		Tmax	100	100	100	4000	a coming	PI	Lab ID
Тор	Area	Well Name	Location	Core #	API#	Operator	Formation	Type	TOC	SI	S2	53	(°C)	Ro, %	Ro,% H1	See.	SUN.	SILTOC		
5988.8	Ute Mountain Ute	9-21 Antelope	NW 9-T33 N-R20 W	S663	5083064120000	Wintershall Oil and Ga	Gothic Shale	Core	2.05	1.49	3.26	0.60	445	1.17	159	29	5.4	73	0.31	340172821
5925	Bill Barret	1-4 Norton Federal	NE 4-T38 N-R18W	D969	5083062600000	McCulloch Oil	Gothic Shale	Core	1.65	0.76	0.61	0.46	481	1.57	37	28	1.3	46	0.55	340172827
5901	Bill Barret	1-4 Kissinger Federa	NE 4-T38 N-R18W	D598	5083061740000	Kissinger Pet.	Gothic Shale	Core	1.56	0.72	0.44	0.54	489	1,40	28	35	0.8	46	0.62	340172828
6141.3	Ute Mountain Ute	34-13 Grouse	SW 34-T33 N-R20W	T175	5083064620000	Wintershall Oil and Ga	Gothic Shale	Core	1.63	2.02	2.61	0.46	440	1.32	160	28	5,7	123	0,44	340172828
8771.5	Ute Mountain Ute	44-34 Ute Mtn.	SE 34-T34 N-R14W	D418	5083061720000	Phillips Petroleum	Gothic Shale	Core	1.71	0.35	0.35	0.26	550	1.49	20	15	1.3	20	0.50	340172828
TOC - T S1 - vol S2 - rem		n, wt. % HC) content, mg HC/ re potential, mg HC/	** - low S2, T g rock Meas. %Ro - g rock HI - Hydroge OI - Oxygen	max is u measure n index =	d vitrinite reflectar = \$2 x 100 / TOC,	f n nce ItS2sh mg HC/g TOC htS2sh ng CO-/g TOC ItS2p		erature S2 erature S2 rature S2	should peak	RI ler der SI	FOC TOC A - Pr	gramm on Re ogramm strumer	nt	olysis o I instru	r ment					

TABLE 2. Gothic Shale Geochemistry, including Total Organic Carbon, Vitrinite Reflectance, and Programmed Pyrolysis Data, for wells from the Ute Mountain Ute Reservation and the Bill Barrett Corp. Shale-Gas Play area (analysis by Weatherford Laboratories).

Formation	n: Hovenweep	TOTAL C	RGANIC CA	ARBON	N, PRO	GRAN	MMED	PYR	OLYS	IS DA	TA									
Depth (ft)			Well Name	Well Name USGS Core #	API#	A DI II	Formation	Sample	Sample Sample Leco		eco RE			Tmax	D- 0/	ти	OI	S2/S3		DI
Тор	Area	Location	wen Name	USGS Core #	Ari#	Operator	Formation	Type	Prep	TOC	S1	S2	S3	(°C)	K0,%	HII	UI	32/33	S1/TOC	PI
8058	Ute Mountain Ute	NE 1-T32 N-R17W	#1 Mesa A	#1 Mesa A	5083050720000	Phillips Petroleum	Hovenweep Shale	Core	NOPR	0.75	0.29	0.89	0.48	440	1.46	119	64	1.9	39	0.25
5500	Ute Mountain Ute	SE 17-T32 N-R20W	#1 Ute	Hondo #1 UTC	5083050190000	Honolulu Oil Corp	Hovenweep Shale	Core	NOPR	1.06	0.57	1.61	0.34	442	1.10	152	32	4.7	53	0.26
5871	Barrett	NE 3-T38 N-R18W	1-4 Norton Federal	D969	5083062600000	McCulloch Oil	Hovenweep Shale	Core	NOPR	1.36	0.38	0.32	0.46	529	1.79	24	34	0.7	28	0.54
Notes:																				
						Pyrogram:														
		lid value for T _{max}		regarding contam	ination	f - flat S2 pe	ak		- TOC on											
	al Organic Carboi		** - low S2, Tm			n - normal			Programme											
		HC) content, mg HC/ g i					erature S2 shoulde		OC on Roc											
S2 - remain	ning HC generativ	e potential, mg HC/ g ro	ock HI - Hydrogen	$index = S2 \times 100$	TOC, mg HC/ g TC	C htS2sh - high temp	perature S2 should	er SRA –	Programm	ed pyrol	ysis by S	RA								
S3 - carbo	n dioxide content,	mg CO2/ g rock	OI - Oxygen In	$dex = S3 \times 100 / T$	OC, mg CO2/ g TO	C ltS2p - low tempe	rature S2 peak		Instrument											
			PI - Production	S2)	htS2p - high temp	erature S2 peak	EXT -	Extracted 1	Rock											

TABLE 3. Hovenweep Shale Geochemistry, including Total Organic Carbon, Vitrinite Reflectance, and Programmed Pyrolysis Data, for wells from the Ute Mountain Ute Reservation and the Bill Barrett Corporation Shale-Gas Play area (analysis by Weatherford Laboratories).

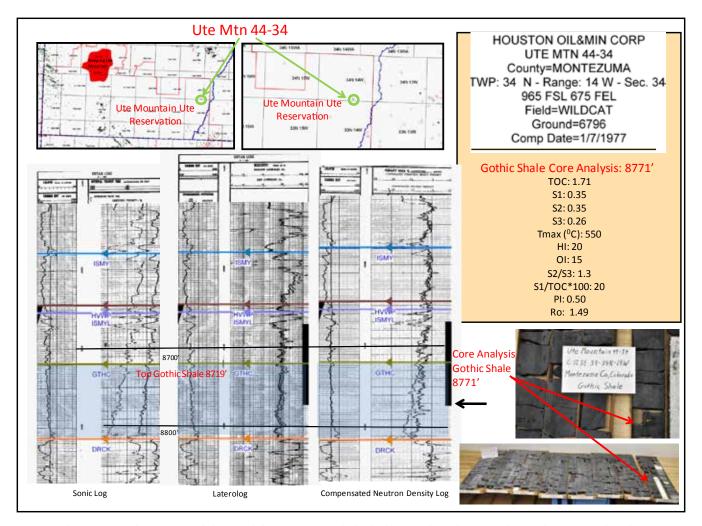


Figure 7. Log characteristics and Core Data, including sample location map, sample depth (shown on electric logs), core photograph, programmed pyrolysis hydrocarbon yields (S1 and S2) by Rock-Eval, total organic carbon (TOC), and vitrinite reflectance. Gothic Shale, Eastern Portion Ute Mountain Ute ReservationUMUR, Ute Mountain 44-34.

Geochemisty of the Hovenweep Shale - Ute Mountain Ute Reservation

The vitrinite reflectance(Ro) values for the Hovenweep Shale from wells on the Ute Mountain Ute Reservation increase from 1.10% at a depth of 5500.5' (western portion of the reservation) to 1.46% at 8058.5' (central /eastern portion of the reservation). These data suggest thermal maturity increases from the late oil window? – condensatewet gas generation zone to the early dry gas window with increasing depth (Weatherford, 2010), and from the western portion of the reservation toward the central-eastern portion, where the Hovenweep Shale is the thickest (see Figure 8, Ro Geochemical Log 5). Thermal Alteration Indices (TAI), which range from 3-3+ (5500') to 4+ (8058'), support this Ro interpretation. TOC values range from 0.75 – 1.06%, indicating "fair" organic richness.

The Hovenweep Shale is classified as Type III kerogen based on TOC weight % versus S2 (remaining hydrocarbon potential) and OI (oxygen index) versus HI (hydrogen index) plots - Figures 9 and 10, respectively. Figure 11 illustrates the relationship between maturity and kerogen conversion by plotting the measured vitrinite reflectance in oil (%Ro) versus the production index (PI). A high level of conversion from the condensate-wet gas zone (western reservation) to the dry gas window (eastern) is indicated.

Geochemisty of the Gothic Shale - Ute Mountain Ute Reservation

The Gothic Shale is considered more prospective than the Hovenweep Shale in the area of Ute Mountain Ute Reservation. Similar to the vitrinite reflectance (Ro) and TAI trends interpreted for the Hovenweep Shale, the Gothic Shale values increase with depth (Figure 8, Ro Geochemical Log 5) and toward the eastern portion of the reservation from a condensate-wet gas maturity equivalent to a thermal maturity associated with dry gas (Ro: 1.17%, 1.32%I, 1.49% at 5988.8', 6141.3', and 8771.5'). This is also illustrated in Figure 11 [measured vitrinite reflectance in oil (%Ro) versus the production index (PI)] where samples from wells on the western portion of the reservation plot in the condensate-wet gas zone, while the sample from the eastern portion falls into the dry gas window. TAI increases from 3+ to 4+ with increasing depth).

The Rock-Eval Tmax values for both the Gothic and Hovenweep in the Ute Mountain Ute area were deemed unreliable by Weatherford Labs. TOC values for the Gothic Shale in the Ute Mountain Ute area range from 1.63 to 2.05%, indicating relatively good organic richness (refer to Figure 8, Geochemical Log 1).

S2 values between 2.61 to 3.26 mg HC/g rock (refer to Figure 8, Geochemical Log 2) suggest the Gothic Shale is a fair to good quality source rock, and S1 data from shallow depths along the western portion of the reservation (1.49 – 2.05 mg/g rock) indicate "the rocks have good generative capacity for liquid hydrocarbons" (Weatherford, 2010).

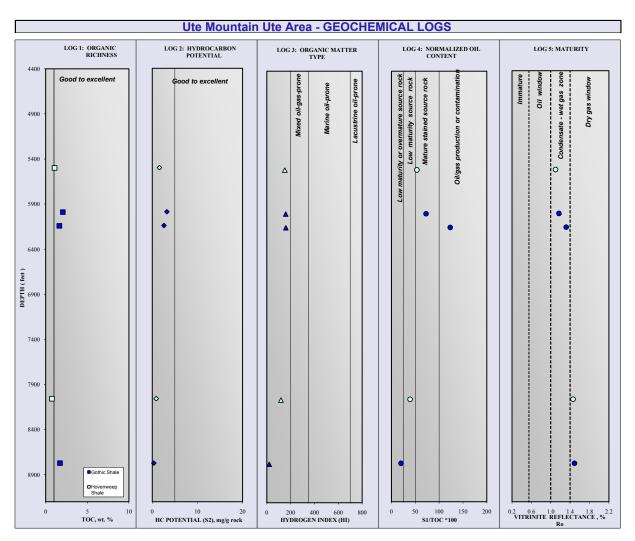


Figure 8. Geochemical logs; Log 1, Organic Richness – TOC weight% versus depth; Log 2, Hydrocarbon Potential – HC Potential (S2) versus depth; Log 3, Organic Matter Type – Hydrogen Index versus depth; Log 4, Normalized Oil Content – S1/TOC*100 versus depth; Log 5, Maturity - %Ro versus depth (generated by Weatherford Laboratories).

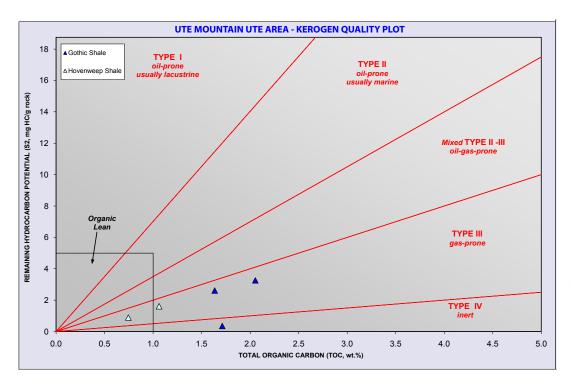


Figure 9. Kerogen Quality Plot - Total Organic Carbon (TOC weight %) versus Remaining Hydrocarbon Potential (S2, mg HC/g rock) for samples from the Gothic Shale and Hovenweep Shale from wells located on the Ute Mountain Ute Reservation (generated by Weatherford Laboratories).

The Kerogen Quality Plot (Figure 9) depicting total organic carbon (TOC weight %) versus remaining hydrocarbon potential (S2, mg HC/g rock) and Kerogen Type Plot showing hydrogen index (HI) versus oxygen index (OI) (Figure 10) indicate Type III-gas prone and Type IV-inert. However, based on organic petrology, the Gothic Shale original organic matter type varies "from oil-prone Type II to mixed Type II-III and gas prone Type III" (Weatherford, 2010). Figure 12 shows an example of vitrinite reflectance data from a well located on the western portion of the reservation (depth: 8,771.5 ft.). This sample is interpreted as Type III kerogen with good potential for gas generation.

Original and present Hydrogen Index (HI) values, used to interpret the conversion of kerogen to petroleum, indicate that where the Ute Mountain Ute Gothic and Hovenweep shales are shallow (western portion) the rocks "still have a relatively high generative capacity, most likely for producing light oil/condensate-wet gas according to their maturity". In areas where the Gothic Shale is the deepest (eastern portion), the Gothic is "a good source for gas production" (Weatherford, 2010).

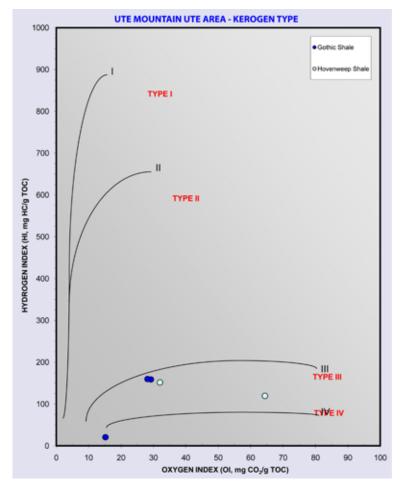
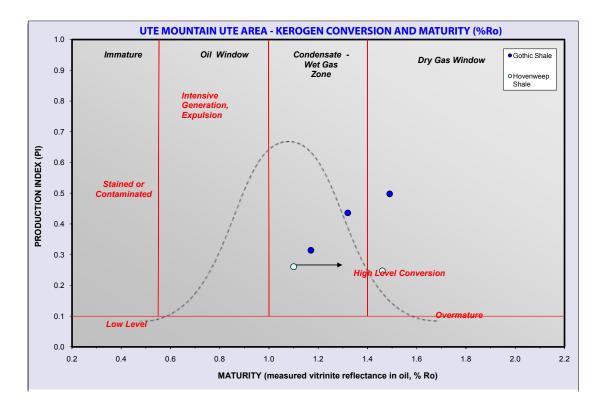


Figure 10. Kerogen Type - Oxygen Index (OI, mg CO2/g TOC) versus Hydrogen Index (HI, mg HC/g TOC) for samples from the Gothic Shale and Hovenweep Shale from wells located on Ute Mountain Ute Reservation (generated by Weatherford Laboratories).

Figure 11. Kerogen Conversion and Maturity (%Ro) - Measured Vitrinite reflectance in Oil (%Ro) versus the Production Index (PI) for samples from the Gothic Shale and Hovenweep Shale from wells located on Ute Mountain Ute Reservation (generated by Weatherford Laboratories).



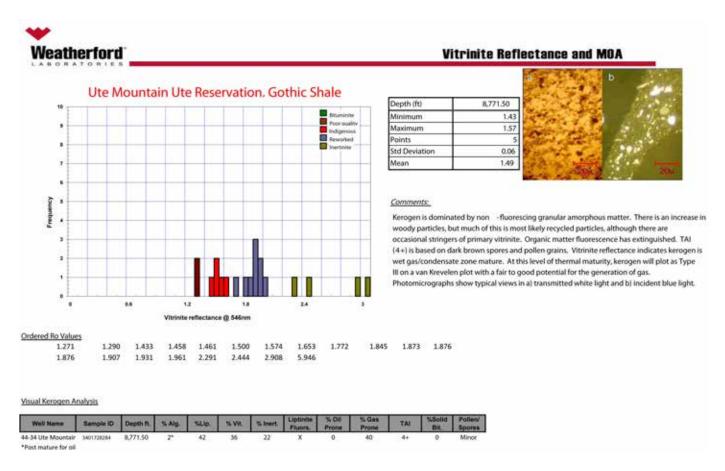


Figure 12. Example of vitrinite reflectance data from a well located on the western portion of the reservation (depth: 8,771.5 ft.). This sample, Ute Mountain 44-34, is interpreted as Type III kerogen with good potential for gas generation.

Geochemical Comparisons and Gas/Oil Potential: Ute Mountain Ute Reservation and Bill Barrett Corp. Shale-Gas Play Area

The TOC, Ro, and programmed pyrolysis data of the Gothic Shale (Table 2) and the Hovenweep Shale (Table 3) for wells on Ute Mountain Ute Reservation and Bill Barrett Corp. shale-gas exploration area are summarized in a series of five geochemical logs (Figure 13 – Gothic Shale and Figure 14 – Hovenweep Shale), which plot TOC, S2, HI, S1/TOC*100, and Ro versus depth.

Table 4 provides an independent interpretation by Weatherford Laboratories of the Gothic and Hovenweep shales' capacity as source rock for both the BBC and Ute Mountain Ute areas. Their review of the data indicates that the Hovenweep may have better gas potential in the BBC area versus the Ute Mountain Ute Reservation. The Gothic appears marginally better for gas potential in Ute Mountain Ute area, but considerably better for liquid hydrocarbon potential when compared to the BBC area. This is especially true for the western portion of the reservation.

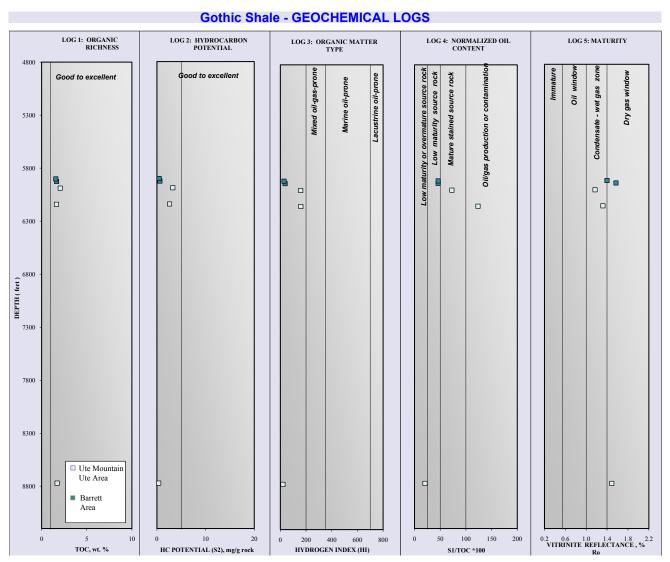


Figure 13. Geochemical Logs for Gothic Shale, Ute Mountain Ute Reservation and Bill Barrett Corporation Area - TOC, S2, HI, S1/TOC*100, and Ro versus Depth: (Log 1, Organic Richness – TOC weight% versus depth; Log 2, Hydrocarbon Potential – HC Potential (S2) versus depth; Log 3, Organic Matter Type – Hydrogen Index versus depth; Log 4, Normalized Oil Content – S1/TOC*100 versus depth; Log 5, Maturity - %Ro versus depth (generated by Weatherford Laboratories).

Hovenweep Shale - GEOCHEMICAL LOGS

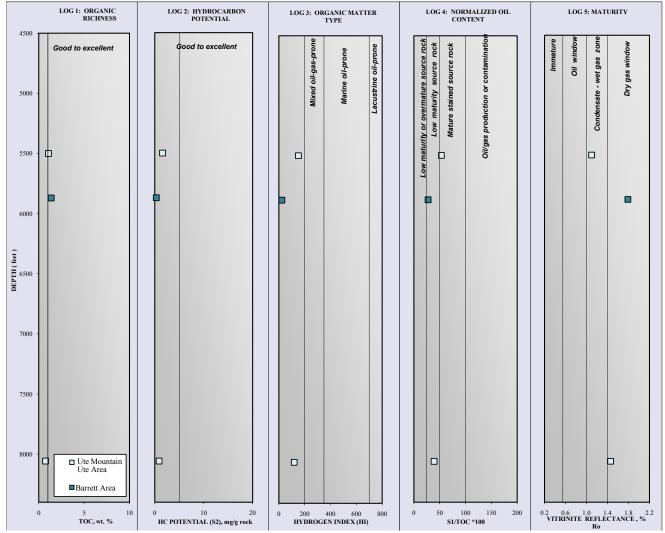


Figure 14. Geochemical Logs for Hovenweep Shale, Ute Mountain Ute Reservation and Bill Barrett Corporation Area - TOC, S2, HI, S1/TOC*100, and Ro versus Depth: (Log 1, Organic Richness – TOC weight% versus depth; Log 2, Hydrocarbon Potential – HC Potential (S2) versus depth; Log 3, Organic Matter Type – Hydrogen Index versus depth; Log 4, Normalized Oil Content – S1/TOC*100 versus depth; Log 5, Maturity - %Ro versus depth (generated by Weatherford Laboratories).

Table 4: Source Rock Evaluation of Hovenweep and Gothic Shales as interpreted by Weatherford Laboratories.

Shale	Depth interval, ft	Hydrocarbon generation zone	- IOC (wt%)										
Ute Mountain Ute Reservation													
Hovenweep	5500 - 5501	condensate -wet gas	1.06	Tune III		law							
	8058-8059	condensate - wet-dry? gas	0.75	Type III	poor	low							
Cathia	5988.8 - 6141.3	condensate -wet gas	1.63 - 2.05	Type III	good	fair wood							
Gothic	8771.5	dry gas	1.71	Type IV	very poor	fair - good							
Bill Barrett Corp. Area													
Hovenweep	5871	dry gas	1.36	Type IV	very poor	low - fair							
Gothic	5901 - 5925	dry gas	1.60	Type IV	very poor	low - fair							

Summary

Favorable comparisons in thicknesses, drilling depths, and geochemistry (TOC, Ro, and programmed pyrolysis data) between the Gothic and Hovenweep shales present in the area of Ute Mountain Ute Reservation with those to the north where Bill Barrett Corporation is currently drilling and completing successful, horizontal shale-gas wells indicate promising oil/gas exploration targets on the Ute Mountain Ute Reservation.

The data suggests that the Gothic Shale in the eastern portion of the reservation, which lies within the thickened section extending from the BBC area, is in the gas window. In the western portion of the reservation, the Gothic shale is more light oil/condensate-wet gas prone. The Hovernweep may be somewhat less prospective on the Ute Mountain Ute Reservation versus the BBC area. The reservation holds thousands of prospective contiguous acres. Although most of the reservation is open for exploration, there is sacred land (Sleeping Ute Mountain) where drilling is not allow (outlined in orange – Figures 4, 5, and 6) and park land where drilling restrictions may apply (outlined in purple – Figures 4, 5, and 6).

For more information on this play opportunity, please contact:



Ute Mountain Ute Tribe

Ute Mountain Ute Indian Reservation

Gordon Hammond Director, Tribal Energy Office Tribal Energy Office: (970) 564-5690 Cell Phone:(970) 749-6835

E-mail: ghammond@utemountain.org



Division of Energy and Mineral Development

Robert Anderson (720) 407-0602 Branch Chief / Geophysicist Email: robert.anderson@bia.gov

Bureau of Indian Affairs 13922 Denver West Parkway, Ste. 200 Lakewood, CO 80401