

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY - MUD LOGGING-

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

November 18, 1987

WINTERSHALL CORPORATION 5251 DTC PARKWAY #500 ENGLEWOOD, COLORADO 80111

ATTN: RIC KOPP

Enclosed are the final logs on your Ute Mountain Ute #27-44 well, located in Section 27, T31N, R14W of San Juan County, New Mexico.

We appreciated the opportunity to serve you. If we can be of any further assistance in the final evaluation of zones encountered, please feel free to call on us.

We are looking forward to working with you in the near future.

Sincerely,

Andy Kelley President

AWK/11f

ENC: 3 FINAL LOGS

XXC: 2-MAXUS EXPLORATION, DENVER, CO.

1-OIL & GAS CONSERVATION COMM/c/o WINTERSHALL

1-BLM, c/o WINTERSHALL

1-BUREAU OF INDIAN AFFAIRS, c/o WINTERSHALL

1-UTE MOUNTAIN UTE TRIBE

1-OIL & GAS CONSERVATION COMM, c/o WINTERSHALL (AZTEC)

BIT RECORD

Ute Mountain Ute #27-44 WELL NAME:

ELEVATION: GL 5638

KB 5649' (Est.)

CO. NAME:

WINTERSHALL CORPORATION

SECTION: SE/SE Section 27, T31N, R14W

CONTRACTOR: Aztec

____ RIG# <u>141</u>

CO. & STATE: San Juan County, New Mexico

10-30-87

11-14-87 T.D. DATE:

SPUD DATE:

3, 05	DATE:					1.5.	DATE.					
BIT RECORD							FT PER/DAY			DEVIATION SURVEYS		
RUN	SIZE	MAKE	TYPE	OUT	FTG	HOURS	FT/HR	DATE	DEPTH	FT	DEPTH	DEV.
1	12 1/4	SEC	S33F	258	258	4 3/4	54.3	10/31	258	96	100	1/2
2	7 7/8	RTC	HP52A	1119	861	28 3/4	28.9	11/1	354	568	217	3/4
3	7 7/8	STRATA	PD-2	1886	767	39	19.7	11/2	922	494	258	1
4	7 7/8	RTC	HP52A	3723	1837	76 1/4	24.1	11/3	1416	416	324	1 1/2
5	7 7/8	RTC	HP52A	5687	1964	85 3/4	22.9	11/4	1832	370	387	2 1/4
6	7 7/8	RTC	HP53A	5860	173	14 1/4	12.1	11/5	2202	453	416	2 1/4
								11/6	2655	515	475	2 1/4
								11/7	3170	500	563	2 1/2
								11/8	3670	326	651	2 3/4
								11/9	3996	574	743	2 3/4
								11/10	4570	533	836	3
								11/11	5103	384	931	2 3/4
								11/12	5487	221	1026	3 1/4
								11/13	5708	152	1115	3 3/4
								11/14	5860	T.D.	1145	3 3/4
, <u></u>											1211	3 3/4
											1275	4
											1338	4 1/4
							-				1402	4 1/2
											1464	4 3/4
											1525	5
		-									1586	5 1/2
											1676	5 1/4

DEVIATION SURVEY

COMPANY NAME: WINTERSHALL CORPORATION COUNTY: San Juan

WELL NAME: Ute Mtn. Ute 27-44 STATE: New Mexico

DEPTH	DEV.	DEPTH	DEV.		
1772	6	4 477	7		
1833	6	4601	7		
1886	6	4883	7 1/2		
1956	6	5068	8		
2049	6	5252	8 1/4		
2139	6	5501	7		
2234	6 1/2	5687	7		
2326	7	5860	6 1/2		
2419	7				
2514	7 1/2				
2607	6 1/2				
2700	7				
2793	6 3/4				
2886	7 3/4	· · · · · · · · · · · · · · · · · · ·			
2948	7 3/4				
3040	8				
3134	8				
3228	7 3/4				
3320	M R			-	
3413	8 1/4			 	
3507	7 3/4		,		
3600	7 1/2				
3693	7 1/2				
3818	8				
3945	7 3/4				
4071	7 3/4				
4290	7 1/2				

WINTERSHALL CORP. UTE MOUNTAIN UTE 27-44 SE/SE SECTION 27-T31N-R14W SAN JUAN COUNTY, NEW MEXICO

1	F	n	R	М	Δ	Т	T	O	Ν	T	n	PS

	SAMPLE	SUBSEA	E-LOG	SUBSEA
	TOP	DATUM	TOP	DATUM
KIRKLAND	SURFACE			
FRUITLAND	405	+5524	424	+5145
PICTURED CLIFF	715	+4854	722	+4847
LEWIS	848	+4721	902	+4667
CLIFFHOUSE	2220	+3349	2440	+3129
MENEFEE	2451	+3118	2616	+2953
POINT LOOKOUT	3081	+2488	3204	+2365
MANCOS	3680	+1889	3744	+1825
GALLUP	4760	+ 809	4686	+ 883
GREENHORN	5456	+ 113	5473	+ 96
GRANEROS	5530	+ 39	5545	+ 24
DAKOTA	5596	- 27	5612	- 43
MORRISON	5820	- 251		
TOTAL DEPTH	5860			

KB 5569' - GL 5556'

DRILLING SUMMARY

The Wintershall Ute Mountain Ute #27-44 well, located in Section 27-T31N-R14W of San Juan Co., New Mexico was spudded on 10-30-87. A $12\frac{1}{4}$ " hole was drilled to 258' and 9 5/8" surface casing was set at 249'. A 7 7/8" hole was drilled from 249' to T.D. at 5860' (driller's depth) and 5818' (42' fill) (logger's depth) on 11/13/87. The well deviation increased from 1^{0} at the base of the surface casing to a maximum of $8\frac{1}{4}$ 0 at 5252', deviation at T.D. was $6\frac{1}{2}$ 0. This well took 15 days to drill as there were bit trips at 1119'-1886'-3723' and 5687', and there were also 2 trips made for hole in the pipe at 5349' and 3823'. The Ute Mountain Ute well was completed at 12:50 P.M. on 11/13/87. Electric logs were run on 11/14/87.