

## 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

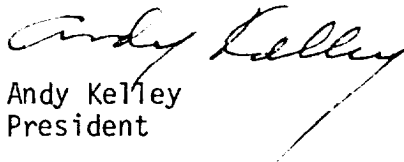
ATTN: RIC KOPP

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

WELL NAME: <u>Ute Mountain Ute #27-44</u>	ELEVATION: <u>GL 5638' KB 5649' (Est.)</u>
CO. NAME: <u>WINTERSHALL CORPORATION</u>	SECTION: <u>SE/SE Section 27, T31N, R14W</u>
CONTRACTOR: <u>Aztec</u> RIG# <u>141</u>	CO. & STATE: <u>San Juan County, New Mexico</u>
SPUD DATE: <u>10-30-87</u>	T.D. DATE: <u>11-14-87</u>

[illegible]

# 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		4477	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

FORMATION TOPS				
	SAMPLE TOP	SUBSEA DATUM	E-LOG TOP	SUBSEA 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			

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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 12¼" 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° at the base of the surface casing to a maximum of 8¼° at 5252', deviation at T.D. was 6½°. 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.