

## ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY - MUD LOGGING -

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81505

December 29, 1988

Wintershall Corporation 5251 DTC Parkway, Suite #500 Englewood, Colorado 80111

ATTN: RIC KOPP

Enclosed are the final logs on your Ute Mountain Tribal 27-22 Basin Dakota 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 contact us.

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

Respectfully,

Andy Kelley President

AWK:jl

ENC: 3 FINAL LOGS

XXC: 2-MAXUS EXPL., STAN WHITE, DENVER:

1-0&G CONSV. COMM, DENVER;

1-BLM, DURANGO;

1-BUREAU OF INDIAN AFFAIRS, TOWAOCO, CO; 1-UTE MTN UTE TRIBE, JUDY KNIGHT, TOWAOCO;

1-0&G CONSV COMM; AZTEC, NM;

1-WINTERSHALL CORP., FREK CLAUSSEN, TOWAOCO

#### WELL SUMMARY

The Wintershall Corporation's Ute Mountain Tribal #27-22 Basin Dakota well in Section 27, T31N, R14W of San Juan County, New Mexico. The well was spudded on December 3, 1988 and drilled to a depth of 275' where 8 5/8" casings was set. Due to a deviation of  $6\frac{1}{2}$ °, the well was plugged and the rig was moved 10' to the west. The rig was moved and the well was spudded again on December 5, 1988. At 275' a string of 8 5/8" casing was set on December 7 and drilling was resumed on December 8, 1988. Due to a high degree of dip of the formations, drilling proceeded slowly to try to control the degree of deviation with numerous bit trips.

The top of the objective Dakota Formation was dirlled on December 22, 1988 and the well was drilled to a total depth of 4656' and on December 23, 1988 60' into the Morrison Formation. Electric logs were run on the 23rd and the decision to set pipe on this well was made on December 24, 1988.



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### BIT RECORD

UTE TRIBAL #27-22 WELL NAME:

ELEVATION:

5652' G.L.

5664 K.B.

COMPANY:

WINTERSHALL CORP.

SECTION:

27 - T31N - R14W

CONTRACTOR:

AZTEC

RIG # 124

COUNTY & STATE: SAN JUAN CO. NEW MEXICO

SPUD DATE: 12/3/88 T.D. DATE: 12/23/88

BIT RECORD							FT PER/DAY			FT PER/DAY			
RUN	SIZE	MAKE	TYPE	IM/OUT	FTG	HOURS	FT/HR	DATE	DEPTH	FT	DATE	DEPTH	FT
1	12 1/4	RTC	HP-11	275	275	7 3/4	35.5	12/02	0				
_ 2	7 7/8	нтс	J-22	136	136	5 1/4	25.9	12/03	275	275			
3	7 7/8	REED	HP-11	270	134	3 3/4	35.7	12/04	275	0			
4	7 7/8	HTC	R-3	270	REAMED	3		12/05	275	0			
5	7 7/8	нтс	J-22	918	643	17	37.8	12/06	0				
_ 6	7 7/8	REED	HP-11J	1135	217_	12	18.1	12/07	275				
7	7 7/8	REED	HP51XJ	2859	1722	99 3/4	17.3	12/08	275	647			
8	7 7/8	REED	HP-11	3005	146	16	9.1	12/09	922	392			
9	7 7/8	REED	НР52А	3802	797	62 1/2	12.8	12/10	1314	502			
10	7 7/8	SMITH	DTTJ	3900	98	18	5.4	12/11	1816	444			
11	7 7/8	SMTIH	SDGH	4249	349	28 1/4	12.7	12/12	2260	302			
12	7 7/8	STC	F-3	4650	401	40 1/2	9.9	12/13	2562	277			
								12/14	2839	155			
								12/15	2994	198			
								12/16	3192	247			
								12/17	3439	264			
								12/18	3703	119			
								12/19	3822	131			
								12/20	3953	283			
								12/21	4236	174			
								12/22	4410	225			
								12/23	4635				
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### DEVIATION SURVEY

COMPANY NAME: WINTERSHALL CORP. COUNTY: SAN JUAN

WELL NAME: \_\_UTE\_TRIBAL #27-22 STATE: NEW MEXICO

DEPTH	DEV.	DIR.	DEPTH	DEV.	DIR.	DEPTH	DEV.	DIR.
100	1/2		2176	7		4159	20 1/2	
275	6 3/4		2268	6 1/2		4351	19 3/4	
275	3		2363	7		4414	20	
313	2 1/2		2425	7 1/2		4496	21	
371	MISRUN		2485	8				
402	3	<u>.</u>	2549	7 1/2				
490	3		2610	7 1/2				
610	3 1/2		2694	9 3/4				
710	4 1/2		2766	10 1/4				
800	4 1/2		28 <b>28</b>	11 1/2				
862	4 3/4		2890	12				
918	4 3/4		2953	12				
946	5		3003	11 3/4				
1003	5		3064	11 3/4				
1065	5 1/4		3125	12 1/4				
1107	5		3185	12 3/4				
1194	5 1/4		3246	13 1/4				
1284	5 1/2		3308	12 3/4				
1374	5 3/4		3408	13 1/4				
1468	5 3/4		3489	14				
1561	5 3/4		3588	16				
1650	6		3680	17 1/2				
1744	6 1/4		3763	19 1/2				
1838	6 1/2		383 <b>3</b>	20 3/4				
1927	6 1/2		3885	21				
2020	6 1/2		3985	21				
2114	7		4106	21				L