

SUPPLEMENTAL DRILLING DATA

MORRIS R. ANTWEIL
WELL NO.1 TERRA FEDERAL

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	900
Top Salt	1075
Base Salt	2550
Yates	2700
Seven Rivers	2950
Queen	3300

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Fresh Water	Above 300 feet
Oil	Queen

4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
8-5/8"	0	400	24#	J-55	STC
5-1/2"	0	3500	14#	H-40	STC

8-5/8" surface casing will be cemented with approximately 200 sacks of Class "C". Cement to circulate.

5-1/2" casing will be cemented with approximately 460 sacks of "Light" cement tailed in with 200 sacks of Posmix cement. Cement to circulate.

Cement quantities and additives may be varied to best suit hole conditions at the time casing is run.

5. PRESSURE CONTROL EQUIPMENT:

Blowout prevention equipment, while drilling the 7-7/8" hole, will consist of a double ram type, Series 600 preventer.

A BOP sketch is attached.

6. CIRCULATING MEDIUM:

Surface to 400 feet: Fresh water with gel or lime as needed for viscosity control.

400 feet to total depth: Brine with additives as necessary for control of pH, viscosity and weight.

7. AUXILIARY EQUIPMENT:

Drill string safety valves will be maintained on the rig floor in the open position while drilling operations are in progress.

8. TESTING, CORING AND LOGGING PROGRAMS:

Drill stem tests will be made when samples, drilling time and other data are sufficient to indicate a test is warranted.

It is planned that electric logs will include CNL-GR logs.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE GAS:

No abnormal pressures or temperatures are anticipated.

10. ANTICIPATED STARTING DATE:

It is planned that drilling operations will commence on or about January 19, 1981, with drilling and completion operations lasting about 30 days.



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COUNTY LEA FIELD Langlie-Mattix STATE NM
OPR ANTWEIL, MORRIS R. API 30-025-27245
NO 1 LEASE Terra Federal MAP
Sec 22, T25S, R37E CO-ORD
1980 FSL, 2310 FWL of Sec 6-1-8 NM
2 mi E/Jal SPD 2-13-81 CMP 5-1-81

CSC

8 5/8-400-250 sx
5 1/2-3470-1520 sx
2 3/8-3190

WELL CLASS: INIT D FIN DO LSE. CODE

FORMATION	DATUM	FORMATION	DATUM
TD 3470 (QUEN)		PBD 3440	

IP (Queen) Peffs 3242-3366 F 96 BOPD + 7 BW. Pot based on 24
hr test thru 3/4 chk. GOR 1427; gty 35.2; CP 125; TP 25

CONTR Moranco #5 OPRSELEV 3087 GL PID 3500 RT

F.R. 2-2-81
(Queen)
2-17-81 Drlg 2200
2-24-81 TD 3470; WOCU
3-17-81 TD 3470; PBD 3440; Tstg
Perf (Queen) 3242-3366 (overall)
Acid (3242-3366) 2000 gals
Swbd 5 1/2 BF (30% Wtr) (3242-3366)
Acid (3242-3366) 2000 gals
4-14-81 TD 3470; PBD 3440; Tstg
Ppd 18 BF (Mostly Wtr) (3242-3366)
Frac (3242-3366) 40,000 gals + 72,000# sd
6-1-81 TD 3470; PBD 3440; Complete
LOG TOPS: Rustler 903, Salado 1048, Tansill
2482, Yates 2800, Seven Rivers 2988, Queen 3290
6-6-81 COMPLETION ISSUED

6-1-8 NM
IC 30-025-70043-81