

TEXAS PACIFIC OIL COMPANY

DRILLING PROCEDURE TP-105-B

DISTRICT AREA

Midland/West

LEASE NAME AND WELL NUMBER

State "A" A/C-1 #114

LOCATION

NE/4, SE/4, Sec. 21, T-23-S, R-36-E

COUNTY/PARISH

Lea County

DATE

4/27/77

WELL NO.

71510

FIELD

Jalmat

STATE

New Mexico

INSTRUCTIONS: List on drilling report each lost circulation zone and amount of mud lost. List on Company reports all mud, chemicals, lost circulation material and oil used in drilling mud each tour. Strap drill pipe on first trip under surface and before logging, testing, or coring. Tool pusher will be responsible to obtain and to check all tallies on tubular goods received at well, as well as check accuracy on delivery tickets of other material delivered to well.

SUPERINTENDENT'S SIGNATURE

ENGR. APPROVAL

GEOL. APPROVAL

CASING PROGRAM	STRING	SIZE	LENGTH OF SECTION	WEIGHT	GRADE	THREAD	HOLE SIZE	ALLOWED CEMENT TIME-HRS
	Conductor Pipe	13-3/8	40	48	H-40	STC-8RD	17½	-
	Surface Casing	8-5/8	800	24	K-55	STC-8RD	12¼	18
	Production Casing	5-1/2	3450	14	K-55	STC-8RD	7-7/8	18
	Tubing	2-3/8	2870	4.7	J-55	EUE	-	-

CEMENT PROGRAM	Conductor pipe: Use Redi-Mix
	Surface Csg.: 250 sx. plus 100% excess (250 sx.) of "C" + 2% Ca Cl ₂ ; 14.8 ppg; 1.32 ft ³ /sx. cmt. must circ.
	Production Csg.: See attached sheet.

MUD PROGRAM	DEPTH	TYPE	MUD WEIGHT	VISCOSITY	PH	WATER LOSS
	0-800	Fresh Water	8.4-9.00	32-35	-	NC
	800-2700	Brine Water	9.0-9.5	32-35	-	NC
	2700-3450	Water, prehydrated gel and starch	11.0-11.5	32-38	-	8-10

DEVIATION FROM VERTICAL NOT TO EXCEED DEGREES PER FT NOT TO EXCEED DEGREES AT TOTAL DEPTH

EXPECTED FORMATION TOPS	DESCRIPTION	DEPTH	SUB SEA	LOGGING, CORING & TESTING PROGRAM
	Top Salt	1500	+1920	Sidewall Neutron & Gamma Ray from TD to surface
	Tansill	2868	+552	
	Yates	3045	+375	
	Seven River	3280	+140	Acoustic Log (TD to + 1500)

TOTAL CONTRACT DEPTH	3450'	MUD SUPPLIER	MECHANICAL RATE OF PENETRATION	YES	NO
			DEVICE REQUIRED	X	

SAMPLE PROCEDURE

EQUIPMENT OR SERVICES MAY BE INSTALLED AT FOLLOWING:

EQUIPMENT	DEPTH

1/every 10' from 2800' - TD

2/2' drilling time from 2800' to TD

UNUSUAL PROBLEMS AND/OR REMARKS: Offset information indicates a kick was taken on the State "A" A/C-1 No. 112 at 3437'. The mud weight was raised from 10.1 to 11.4 ppg so log could be run. Salt stringers are to be anticipated below surface casing from 1500' to 2980'.

PERSONNEL	NAME & TITLE	CITY	OFFICE PHONE	RESIDENCE PHONE NUMBER
	T.P. Frizzell, Geologist	Midland	915-684-5584	915-694-7944
	T.J. Waller, Regional Eng.	Midland	915-684-5584	915-682-5516
	D.H. Wood, Drilling Eng.	Dallas	214-741-5933	214-368-6100

RECEIVED

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