

TEXAS PACIFIC OIL COMPANY

ATTACHMENT NO. 1

DRILLING PROCEDURE

TP-105-B

DATE

July 26, 1974

DISTRICT AREA

Midland/Hobbs

LEASE NAME AND WELL NUMBER

Phantom Draw Unit No. 1

FIELD

Wildcat

LOCATION

1000' FWL, 800' FSL, Sec 20, T-26-S, R-31-E

COUNTY/PARISH

Eddy County

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	30"	60'	89#	ERW	PEBFW	36"	--
	1st Surface	20"	800'	94#	H40	STC	26"	12
	2nd Surface	13-3/8"	1800'	54.5#	K55	STC	17 1/2"	
		13-3/8"	800'	61#	K55	STC	17 1/2"	
		13-3/8"	1275'	61#	S80	STC	17 1/2"	24
	Intermediate	9-5/8"	200'	53.5#	S95	LTC	12 1/4"	NA
		9-5/8"	10,900'	47#	S95	LTC	12 1/4"	NA
		9-5/8"	900'	53.5#	S95	LTC	12 1/4"	NA
	Drilling Liner	7-5/8"	3800'	39#	P110	FL4S	8 1/2"	NA
	Production Liner	5"	6100'	23.2#	C75	SEU	6 1/2"	NA

CEMENT PROGRAM	ATTACHED
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MUD PROGRAM	DEPTH	TYPE	MUD WEIGHT	VISCOSITY	PH	WATER LOSS
	ATTACHED					

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
	Estimated Elevation 3195' GL			6 DSTS, GR-Sonic from TD to top of
	Delaware Sand	3860	-665	Dela. Sd. GR to surface, GR-Den and GR-
	Wolfcamp	11650	-8455	SNP from top of Wolfc to TD. Dual in-
	Morrow (Lower Mississippi Ls 15500)	13875	-10680	duction or Dual Laterlog from TD to top
	Silurian	15945	-12750	of Wolfc. Caliper log from TD to top of
	Fusselman	16850	-13655	Dela. Sd. Dipmeter 13,000 to TD. Vol. Sur.

TOTAL CONTRACT DEPTH	17,500	MUD SUPPLIER	MECHANICAL RATE OF PENETRATION YES NO
			DEVICE REQUIRED X

SAMPLE PROCEDURE	10' samples from 3800 to TD	EQUIPMENT OR SERVICES MAY BE INSTALLED AT FOLLOWING:
		EQUIPMENT DEPTH
		Mud Logger (2-man unit) 3800' to TD

UNUSUAL PROBLEMS AND/OR REMARKS	High pressure gas zones in Wolfcamp & Morrow.
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PERSONNEL	NAME & TITLE	CITY	OFFICE PHONE	RESIDENCE PHONE NUMBER
	Sheldon Ward - Drilling Foreman	Midland	684-5584	682-7180
	Buddy Knight - Drilling Engineer	Midland	684-5584	684-6263
	Marvin Boyd - District Superintendent	Midland	684-5584	682-2391
	Marvin Cook - Geologist	Midland	684-5584	694-1590

RECEIVED
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO