

Inclination Report

Operator: Mobil Oil Corporation

Lease and Well No.: Langlie-Mattix Queen Unit #32

Location: Unit G, 2530 FNL and 2600 FEL, Sec. 22, T-25-S, R-37-E

<u>Depth (Feet)</u>	<u>Inclination (Degrees)</u>
350	1/4
705	1/4
902	1-1/4
1060	1-3/4
1378	1-1/2
1618	1-1/4
1952	1-1/2
2256	1-3/4
2580	2-1/2
2859	2-1/4
3032	3
3485	3

I hereby certify that I have personal knowledge of the data shown above and that such information given is true and correct.

Executed the 7th day of January 1970.

C. A. Mills Authorized Agent

Notary Public In and For Midland County, Texas Christine O. Tucker

CHRISTINE O. TUCKER, Notary Public
In and for Midland County, Texas

My Comm. Expires
March 3, 1971

DAILY DRILLING REPORT

Langlie Mattix Queen
Unit No. 32

Correct Location: 2530' FNL & 2600 FEL

LANGLIE-MATTIX QUEEN UNIT #32, -2600' FNL & 2600' FEL Sec 22, T-25-S, R-37-E, Lea Co, NM. OBJECTIVE: Drill & complete WIW in Queen zone. AFE 9289 - Mobil Intr .7360% -Est Cost to Mobil \$28,000.

- 10/11/69 (1) 330 drlg red bed, 12 $\frac{1}{4}$ " hole, ND. S. Mud.
C. A. Nunn Drlg Co spud in @ 9:00 p.m. 10/10/69.
- 10/12 (2) 900 drlg red bed, 12 $\frac{1}{4}$ " hole, $\frac{1}{4}$ " @ 350; $\frac{1}{4}$ " @ 705. S. Mud.
- 10/13 (3) 1060 ND anhy, WOC, 8-5/8" csg.
Ran 1060' 8-5/8 20# MU ST&C csg, cemented on bottom @ 1060 by BJ Serv w/ 500x Class H 8% gel cement + 200x Class H Neat cement, all cement contained $\frac{1}{4}$ " flocele + 2% CaCl, PD @ 7:30 p.m. 10/12/69, cement circ, WOC past 11 $\frac{1}{2}$ hrs.

LANGLIE MATTIX QUEEN UNIT #32

- 10/14 (4) 2355 drlg anhy, 7-7/8" hole, 1 $\frac{1}{2}$ " @ 1378, 1 $\frac{1}{4}$ " @ 1618, 1-3/4" @ 2256, Br Wtr
WOC tools 19 $\frac{1}{2}$ hrs, tested 8-5/8" csg & BOP's w/ 800#, ok.

LANGLIE MATTIX QUEEN UNIT #32

- 10/15 (5) 2859 drlg anhy & 1m, 7-7/8" hole, 2 $\frac{1}{2}$ " @ 2580, 2 $\frac{1}{4}$ " @ 2858. Br Wtr.

LANGLIE MATTIX QUEEN UNIT #32

- 10/16 (6) 3084 ND 1m, 7-7/8" hole, 3" @ 3032 Br Wtr - Prep to mud up.
lost circ & stuck bit @ 3:00 a.m., 10-16-69, prep to spot oil @ report time.

LANGLIE MATTIX QUEEN UNIT #32

- 10/17 (7) 3084 ND 1m, 7-7/8" hole, NND Mud 9.6-32- 10% oil
regain circ, circ past 15 hrs, attempting to free stuck DC's & bit, prep to back off.

LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32

- 10/18 (8) 3084 ND 1m, 7-7/8" hole, NND. Br Wtr & Oil.
Circ and work stuck DC's & bit/4 hrs, RU McCullough Tool Co wire line truck, ran free point indicator, indicated DC's stuck @ 2470, ran SS, backed off @ 2440, leaving 7-7/8 bit, 18 DC's and jt 4 $\frac{1}{2}$ DP in hole, ran B. sub, jars, 6 6 $\frac{1}{4}$ " DC's, accler sub on DP to 2440, screwed into fish, jarred loose in 3 hrs, POH, LD fishing tools & fish, now GIH to drill.

- 10/20 (10) 3485 drlg 1m & sd, 7-7/8" hole, 3" @ 3485. 9.5-32-8% oil.
Schl ran FDC log from 1060 to 3483, prep to drill to 3620.

LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32

- 10/21 (11) 3620 TD 1m, WOC 5 $\frac{1}{2}$ csg, finish hole @ 4:00 p.m., circ 2 hrs, P & LD DP & DC's, ran 114 jts 3620' 5 $\frac{1}{2}$ J-55 14.0 ST&C csg cemented on bottom @ 3620 by Howco w/ 600x Class H cement w/ 8% gel + 5# gilsonite + $\frac{1}{4}$ " flocele/x + 100x Class H Neat, PD @ 5:00 a.m. 10/21/69, cement circ, prep to nipple 5 $\frac{1}{2}$ csg.

LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.

- 10/22 NU 5 $\frac{1}{2}$ csg, Rel C. A. Nunn Drlg Co rig @ 11:00 a.m. 10/21/69, prep to MCT.

LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.

- 10/23 Will MOR when road dry.

- LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
10/24 Will MOR soon as possible.
- LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
10/25 Prep to MOT.
- 10/27 Prep to MOT.
- LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
10/28 Wait to MOT.
- LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
10/29 Wait to MOT.
- LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
10/30 Prep to MOT.
- LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
10/31 MIRU Worth Well mast & perf truck, ran GR-N log 3000 to 3551, then perf 5½ csg in the Queen form @ 3230-38; 3336-40; 3349-51; 3353-55; 3363-64; 3367-68; 3372-74; 3380-84; 3414-19; 3434-37; 3448-52; 3470-74; 3482-86; 3490-94; 3518-20; 3524-28; & 3537-3540 w/ 1 JSPF total of 74 holes. SD for nite. Prep to acidize, tested 5½ csg w/ 1500#/30 min/ok, before perf WOC total of 9 days.
- LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
11/1 Chemical Engr Co acidized Queen perfs 3230-3540 down 5½ csg w/ 1000 gals 15% NE acid using 80 RCNB sealers, load csg, broke down form w/ 12 bbls TFW 1250# 4.0 BPM, then acidized TCP 1500-250, rate 8.2 BPM, flushed w/ 75 bbls & overflushed w/ 215 bbls TFW (gd ball action), ISIP zero, on vac ½ min, job compl @ 11:35 a.m. 10/31/69. WO CL tbg.
- 11/3 WO CL tbg.
- LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
11/4 WO CL tbg.
- LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
11/5 Prep to run CL tbg.
- LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
11/6 MIRU West Texas SD unit, down for repairs on unit, prep to run CL tbg.
- LANGLIE-MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
11/7/69 Ran PC 5½ type AD-1 tension pkr on 106 jts 2-3/8 CL tbg, loaded csg w/ TW, set pkr @ 3205 w/ 14,000# tension, inst'l inj head, RD & Rel West Texas Well Serv unit @ 3:30 p.m. 11/6/69. Compl as WIW.
DROP FROM REPORT until inj starts.
- LANGLIE MATTIX QUEEN UNIT #18-3, UNIT WELL #32, 3620 TD.
12/30/69 (Dropped from rpt 11/7/69)
Inj started 12/6/69 - rate 450 BPD - Inj TP 50. Compl 10/31/69.
FINAL REPORT.