

DAILY DRILLING REPORT

Langlie Mattix Queen Unit #38

LANGLIE MATTIX QUEEN UNIT #38, 700' PSL & 2300' FEL, Sec 15, T-25-S, R37E, Lea County, New Mexico - OBJECTIVE: Drill to 3550' for a Queen & Penrose sand completion - AFE #1280 - MOBIL INT. .7348780% - EST. COST TO MOBIL \$37,000.

- 5/10/71 C. A. Nunn Drlg Co moving in tools.
- 5/11 LANGLIE MATTIX QUEEN UNIT #38
RUT, prep to spud.
- 5/12 LANGLIE MATTIX QUEEN UNIT #38
RUT.
- 5/13 LANGLIE MATTIX QUEEN UNIT #38
RUT 90%, will spud today.
- 5/14 LANGLIE MATTIX QUEEN UNIT #38
(1) 252 drlg red bed, 11" hole, S. Mud.
1/4° 208, C. A. Nunn Drlg Co. spud in @ 11:00 p.m.
5-13-71.
- 5/15 LANGLIE MATTIX QUEEN UNIT #38
(2) 800 drlg anhy, 11" hole, S. Mud.
1/2° 420, 3/4° 617, 1° 761.
- 5/16 (3) 1020 ND anhy, 1° 1020, WOC, 8-5/8" csg, ran 26 jts
1020 8-5/8" o.d. 20.0 8rd ST&C csg cemented on bottom
@ 1020 by Howco w/ 400 sx Class H cement w/ 8% gel +
1/4# flocele + 200 sx Class H neat cement, all cement
contained 2% CaCl, PD @ 9:35 p.m. 5-15-71, cement
circ, WOC.
- 5/17 (4) 1411 drlg anhy & salt, 7-7/8" hole, Br. Wtr.
1 1/4° 1320, WOC on 8-5/8" csg 24 hrs, test csg & BOP w/
1000# ok.
- 5/18 LANGLIE MATTIX QUEEN UNIT #38
(5) 2585 drlg anhy & lm, 7-7/8" hole, Br. Wtr.
1 1/2° @ 1597, 2° @ 2030, 2° @ 2311.
- 5/19 LANGLIE MATTIX QUEEN UNIT #38
(6) 3013 drlg lm 7-7/8" hole, Br. Wtr.
2° 2509, 2° 2765, lost 100% circ @ 2935, mixed LCM, re-
gain 100% circ in 1 hr.
- 5/20 LANGLIE MATTIX QUEEN UNIT #38
(7) 3269 drlg lm 7-7/8" hole, 9.5-36-NC 6% Oil.
2 1/2° 3055, 2 1/2° 3256.
- 5/21 LANGLIE MATTIX QUEEN UNIT #38
(8) 3550 TD lm 7-7/8" hole, 10.0-34-NC 4% Oil.
2-3/4° 3491, finish hole @ 6:40 a.m. 5-21-71, circ to run
OH logs, stuck bit @ 3413, spotted oil, come loose, down
1 1/2 hrs.

LANGLIE MATTIX QUEEN UNIT #38

- 5/22 3550 TD, WOC 5½ csg, circ 1 hr, POH, Dresser-Atlas ran SWN-GR-Caliper & Lateralog from 1000-3545, ran GR 0-3545, total logging time 6 hrs, logger's TD 3547, ran bit to bottom, circ 1 hr, P & LD DP & DC's, RU, ran 95 jts 3550' 5½ OD 15.50# J-55 ST&C used csg, cemented on bottom @ 3550 by Howco w/ 650x Class C 8% gel cement + 5# gilsonite & ¼# Flocele/x + 200x Class C Neat cement, PD @ 2:00 a.m. 5/22/71, cement circ, set slips, cut off csg, RD & Rel C. A. Nunn Drlg Co rig @ 6:00 a.m. 5/22/71, prep to MOT.
- 5/24 3550 TD.
MOT, prep to MI unit to compl, MIRU Clary's Well Serv SD unit, inst'l BOP, picked up 115 jts 2-3/8 EUE 8rd N-80 tbg, SD for nite.
- 5/25 LANGLIE MATTIX QUEEN UNIT #38, 3550 TD.
Test 5½ csg to 3000#/ok, displ hole w/ TSW, Dowell spotted 500 gals mud, clean up acid on bottom, POH w/ tbg, McCullough Tool Co ran GR-Collar-Corr log 2450-3507, then perf 5½ csg @ 3308-16; 3324-26; 3328-30; 3338-40; 3351-64; 3408-17; & 3429-3433 w/ 1 JSPF, total of 44 holes, ran Baker Model R pkr on 2-3/8 tbg set @ 3273, displ acid into form, BDTP 500, TTP 200, AIR 1.0 BPM, ISIP vac, job compl 7:30 p.m. 5/24/71, S 12 BLSW + 2 BAW/1 hr, 175' FIH, no gas or oil, SD for nite.
- 10 BAW.
- 5/26 LANGLIE MATTIX QUEEN UNIT #38, 3550 TD.
SI 10 hrs, sl TP, 1500' FIH, S 10 BAW + 8 BFW/6 hrs, 300' FIH, no gas, L hr sw 1 bbl, S/O 100% wtr, unseat pkr, POH w/ tbg & pkr, SD for nite, prep to SOF.
- 60 BLW.
- 5/27 LANGLIE MATTIX QUEEN UNIT #38, 3550 TD.
Dowell SOF perfs 3308-3433 down 5½ csg w/ 15,000 gals Shell ref oil + 45,000# 20/40 Ottawa sd using 45 RCNB sealers flushed w/ 83 BLO & overflushed w/ 7 BLO, all fluid contained 25# Adomite Mark II + 2 gals Treat-O-Lite F-46/1000 gals, TCP 900-2900, AIR 25.0 BPM, ISIP 1200, 15 min 1000, job compl @ 7:35 a.m. 5/26/71, SI for past 22 hrs, prep to POP.
- 450 BLO + 6 BLW.
- 5/28 LANGLIE MATTIX QUEEN UNIT #38, 3550 TD.
SI 22 hrs, CP 300, F 60 BLO/6 hrs, died, ran SP, CO 3491-3514 PBTD, ran 2-3/8 tbg, OP to 3449, T. Perfs 3417-19, SN 3416, SD for nite.
- 390 BLO + 6 BLW.
- 5/29 LANGLIE MATTIX QUEEN UNIT #38, 3550 TD.
Ran 2" x 1½" x 12' pump on 80 - 3/4 and 55 - 7/8 rods, spaced out in SN @ 3416, clamped off, RD, Rel unit & Rel to Prod to set PU @ 2:00 p.m. 5/28/71. - 390 BLO + 6 BLW.
- 6/1 Inst'd PU, then P 18 BLO + 6 BLW + 512 BSW/68 hrs, 2300' FIH.
- 372 BLO.
- 6/2 LANGLIE MATTIX QUEEN UNIT #38, 3550 TD.
P 7 BLO + 285 BSW/24 hrs, 1900' FIH. - 365 BLO.
- 6/3 LANGLIE MATTIX QUEEN UNIT #38, 3550 TD.
P 6 BLO + 280 BSW/24 hrs. - 359 BLO.

6/4 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD.
P 5 BLO + 280 BSW/24 hrs, 1700' FIH. - 354 BLO.

6/7 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD
P 13 BLO + 830 BSW/ 72 hrs, (1700' FIH) -341 BLO.

6/8 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD
P 3 BLO + 277 BSW/ 24 hrs. -338 BLO.

6/9 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD
P 2 BLO + 282 BSW/ 24 hrs. -336 BLO.

6/10 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD
P 3 BLO + 280 BSW/ 24 hrs. -333 BLO.

6/11 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD
P 3 BLO + 274 BSW/ 24 hrs. -330 BLO. (2300' FIH)

6/14 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD
P 9 BLO + 804 BSW/ 72 hrs. (2300' FIH). -321 BLO.

6/15 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD
Returned to Drilling Foreman. -321 BLO.
MIRU Clary's Well Ser SD Unit, POH w/ rods, pump &
tbq, ran Baker Model K cement ret on 2-3/8" tbq, set
@ 3390, tested tbq w/ 3500# ok, attempted to load
annulus w/ 75 BW w/ no success, Howco pumped in perf
3408-3433, 5.0 BPM @ 1000#, then squeezed perfs w/
80 sx Incor Neat cement, TP 1000#, pumped 50 BW down
csg while squeezing, job compl @ 4:15 p.m. 6-14-71,
POH w/ tbq, SD for nite.

6/16 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD
Howco ran measuring line tag ret @ 3390, 1300' FIH,
ran 2-3/8" tbq orange peeled to 3353, T perfs 3319-22,
SN @ 3318, ran 2 x 1½ x 12 pump on 3/4" rods, put well
on pump, started pumping, rig down, rel Clary's Unit
@ 12:30 p.m. 6-15-71, pump 100 BLW 15 hrs, rel well to
prod 7:00 a.m. 6-16-71. -50 BLW + 320 BLO.
From previous frac on both zones.

6/17 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD
P 20 BLO + 50 BLW + 140 BSW/ 24 hrs. -300 BLO.

6/18 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD
P 38 BLO + 213 BSW/ 24 hrs. -262 BLO.

6/21 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD.
P 180 BLO + 542 BSW/72 hrs. - 182 BLO.

6/22 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD.
P 61 BLO + 182 BSW/24 hrs, 1000' FIH & dropping. - 121 BLO.

6/23 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD.
P 60 BLO + 177 BSW/24 hrs.

- 61 BLO.

6/24 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD.
P 61 BLO + 3 BNO + 180 BSW/24 hrs.
Well on pot test.

All Load Rec.

6/25/71 LANGLEIE MATTIX QUEEN UNIT #38, 3550 TD.
POTENTIAL NM OCC POT: P 72 BNO + 166 BSW/24 hrs, GOR: TSTM,
Sp Grav 35.8 @ 60 F, Allow - Exempt, TFA - Exempt WF,
2" x 1½" x 12' pump @ 16 - 74" SPM. Compl 6/16/71.
FINAL REPORT.