

## DAILY DRILLING REPORT

FEDERAL "X" #1

FEDERAL "X" #1, 668' FSL & 1633' FWL Sec 15, T-25-S, R-37-E, Langlie-Mattix Field, Lea Co, N.M. OBJECTIVE: Drill & complete WIW in Queenpay. AFE 9268 - Mobil Intr 100% - Est Cost \$43,000.

6/6/69 Location staked, WO dirt work, drlg contract awarded to C. A. Nunn Drlg Co.

FEDERAL "X" #1

6/7 Loc staked - WO dirt work.

6/9 Loc staked - WO dirt work.

FEDERAL "X" #1

6/10 Loc staked - WO dirt work.

FEDERAL "X" #1

6/11 Prep to start dirt work today.

FEDERAL "X" #1

6/12 Prep to MIT today. (NOTE: Loc moved 668' FSL & 1633' FWL).

FEDERAL "X" #1

6/13 (1) 405 drlg red bed, 12 $\frac{1}{4}$ " hole, ND. Spud mud.  
C. A. Nunn Drlg Co spud in @ 8:00 p.m. 5/12/69.

FEDERAL "X" #1

6/14 (2) 846 drlg red bed & sd, 12-1/4" hole, 3/4° 654. S. Mud.  
Down 12 hrs repair rotary table.

6/16 (4) 1378 drlg anhy & salt, 7-7/8" hole, 2° 1103. Br. Wtr.  
Ran 8-5/8", 20# Misco United csg @ 1103, cemented on bottom @ 1103  
by Howco w/380 sx Incor 8% gel cement + 220 sx Incor neat cmt, all  
cement contained 2% CaCl, plug down @ 6:30 A.M. 6/15/69, cmt circ,  
WOC 6 hrs, nipple up 8-5/8" csg, inst BOP, tested csg & BOP's w/1000#,  
WOC total of 20 hrs.

FEDERAL "X" #1

6/17 (5) 2634 drlg anhy, 7-7/8" hole, 3/4° 2303. Br. water.

FEDERAL "X" #1

6/18 (6) 2944 drlg 1m 7-7/8" hole, 2-3/4° 2930. Br Wtr.

FEDERAL "X" #1

6/19 (7) 3238 drlg 1m 7-7/8" hole, 2-1/2° @ 3155. 10.1-34.  
Started mudding up @ 3200'.

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6/20 (8) 3487 drlg 1m, 7-7/8" hole, 2-3/4° 3351. 9.9-34-NC. 4% oil.

FEDERAL "X" #1

6/21 (9) 3650 TD 1m, 7-7/8" hole, 2-3/4 @ 3576. 10.1-33-5% oil.  
Circ 2 hrs, now POH, prep to run OH logs.

6/23 3650 TD, WOC 5 $\frac{1}{2}$ " csg. Schl ran FD C log from 850-3650 in 4 hrs, ran bit  
to bottom, circ 1 hr, P & LD DP + DC's, RU, ran 3650' of 17# J-55 & H-40  
csg w/ 117' of J-55 15.5# on top Howco cemented w/ 600x Incor 8% gel +  $\frac{1}{4}$   
flocele + 100x Incor Neat cement, PD 10:00 p.m. 6/21/69, cement did not circ,  
WOC 8 hrs, Worth Well ran Temp Survey, top of cement @ 235, nipple up 5 $\frac{1}{2}$  csg  
Rel C. A. Nunn Drlg Co rig @ 6:30 a.m. 6/22/69. MOT.

FEDERAL "X" #1, 3650 TD.

6/24 MIRU DA&S DD unit, RU Welex, ran GR-Collar-Corr log from 3000 to 3615 equals PBTD, inst'l BOP, ran 115 jts 2-3/8 tbg. SD for nite.

FEDERAL "X" #1, 3650 TD, 3615 PBTD.

6/25 BJ Serv displ SW w/ 85 bbls lease oil, then spotted 500 gals 15% NE acid on bottom, POH, Welex perf 5 $\frac{1}{2}$  csg in the 7 Rivers Queen @ 3244-3257, 1 SPF; 2 SPF @ 3280, 3335, 3341, 3353; 1 SPF 3356-65, 3367-72, 3383-91, 3406-08, 3447-51; 2 SPF @ 3468; 1 SPF 3474-78; 2 SPF @ 3486, 3535, 3564 & 3572, total of 69 holes, ran 2-3/8 tbg OE to 3237 w/ Guib pkr set @ 3200, BJ Serv displ acid, BDTP 1000, TTP 1000, 6.0 BPM, ISIP 200, job compl @ 5:00 p.m. 6/24/69, swab 12 BLO, sw dry 2 hrs, no fluid in hole.

FEDERAL "X" #1, 3650 TD, 3615 PBTD, 7 Rivers Queen (3244-3572).

6/26 Sw dry 3 hrs, POH w/ tbg & pkr, rerun 2-3/8 tbg to 3612, T. perfs 3579-81, SN @ 3578, ran 2" x 1 $\frac{1}{2}$ " x 20' pump on 3/4 rods to 3578, spaced out, RD & Rel DA&S Well Serv unit @ 9:00 p.m. 6/25/69. Rel to Prod to set PU.

FEDERAL "X" #1, 3650 TD, 3615 PBTD.

6/27 SI 12 hrs TP 200 psi. Opened up and flowed 36 BLO + no wtr/18 hrs, 32/64 ck, TP 50 psi, set temp PU, prep to POP. - 29 BLO.

FEDERAL "X" #1, 3650 TD, 3615 PBTD

6/30 No report.

FEDERAL "X" #1, 3650 TD, 3615 PBTD, 7 Rivers-Queen Perfs (3244-3572)

6/28 POP, P 15 BLO + No SW/16 hrs. - 16 BLO.

6/30 P 4 BLO + No SW/8 of 48 hrs. Cont to test. - 10 BLO.

7/1 P 1 BLO + no water/7-1/2 hrs out of 24. - 9 BLO.

FEDERAL "X" #1, 3650 TD, 3615 PBTD, 7 Rivers-Queen Perfs (3244-3572)

7/2 P 0 Oil & 0 Wtr/7 hrs of 24 hr period, prep to run Sonolog. - 9 BLO.

FEDERAL "X" #1, 3650 TD, 3615 PBTD, 7 Rivers-Queen Perfs (3244-3572)

7/3 P 0 Oil + 0 Wtr/7 hrs/24 hrs, to shut pump unit down + get Sonolog shot every 24 hrs, to get fluid buildup in well bore. - 9 BLO.

FEDERAL "X" #1, 3650 TD, 3615 PBTD.

7/7/69 SI 4 days. Sonolog shot shows 13' FIH, no fluid buildup during 4 days SI. To compl as a WIW @ a later date.

DROP FROM REPORT until this work is started. - 9 BLO.

FEDERAL "X" #1, 3650 TD, 3615 PBTD. (Dropped from rpt 7/7/69).

8/4/69 Started pumping unit, pumped 48 hrs, pumped 0 BO + 0 BW + 34 MCFG (17 MCFPD). SD. - 9 BLO.

DROP FROM REPORT.