

DAILY DRILLING REPORT

UNIT WELL #2

LANGLIE-MATTIX QUEEN UNIT #2-2

Correct Location: 1440 FSL

LANGLIE-MATTIX QUEEN UNIT #2-2, 1450' FSL & 1220' FWL Sec 11, T-25-S, R-37-E, Lea Co, NM. OBJECTIVE: Drill and complete WIW in Queen zone. AFE 9287 - Mobil Intr .734878% - Est Cost \$38,000 Gross.

9/18/69 Bldg road & pad.

LANGLIE-MATTIX QUEEN UNIT #2-2

9/19 Loc & road compl, MI C. A. Nunn Drlg Co rig.

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9/20 (1) 138 ND red rock, 12 $\frac{1}{4}$ " hole, ND. S. Mud.
Twisted pin off on Kelly jt, down past 2 hrs, C. A. Nunn Drlg spud in @ 5:00 p.m.
9/19/69.

9/22 (3) 1076 ND anhy, 12 $\frac{1}{4}$ " hole, $\frac{1}{2}$ @ 290, $\frac{1}{4}$ @ 412, $\frac{3}{4}$ @ 689, 1- $\frac{3}{4}$ @ 1076. S. Mud.
WOC 8-5/8 csg, ran 31 jts 1076' of 20# 8-5/8 MU-46 ST&C csg, cement on bottom by Howco w/ 500x Class H cement w/ 8% gel + $\frac{1}{4}$ # flocele + 200x Class H Neat, all cement contained 2% CaCl, PD @ 4:45 a.m. 9/22/69, cement circ, WOC.

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9/23 (4) 1650 drlg anhy & salt, 7-7/8" hole, 1 $\frac{1}{4}$ @ 1382. Br Wtr.
WOC 17 hrs, tested csg & BOP's w/ 1000#/ok.

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9/24 (5) 2500 drlg anhy, 7-7/8" hole, 1 $\frac{1}{4}$ @ 1987, 1 $\frac{1}{2}$ @ 2290, 3 $^{\circ}$ @ 2500. Br Wtr.

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9/25 (6) 2855 drlg anhy, 7-7/8" hole, 2-3/4 @ 2846. Br Wtr.

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9/26 (7) 3246 drlg 1m, 7-7/8" hole, 2 $\frac{1}{2}$ @ 3161. Br Wtr.

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9/27 (8) 3265 ND 1m, 7-7/8" hole, NND. Br Wtr & oil.
Lost circ & stuck bit @ 3265 @ 7:00 a.m. 9/26/69, work bit 4 hrs, spotted 90 bbls lease oil, work stuck bit 4 hrs, DP parted @ 2485, POH, left 11 jts 4 $\frac{1}{2}$ DP & 16 DC's & bit in hole, ran overshot, B. sub, jars on 9 DC's & DP to 2485, caught fish, worked free in 1 $\frac{1}{2}$ hrs, POH, now LD fish, prep to drill.

9/29 (10) 3444 drlg 1m, 7-7/8" hole, NND. 9.5-36-8.0, 8% oil.
Lost circ @ 3335, stuck bit, spotted 30 bbls lease oil, worked bit free, down 4 hrs.

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9/30 (11) 3480 TD 1m, 7-7/8" hole, 2 $^{\circ}$ @ 3480. 9.5-36-8.0, 8% oil.
Finish hole @ 4:00 p.m. 9/29/69, circ 2 hrs, POH, Schl ran GR-Caliper logs to 3483, Schl meas, ran bit to bottom, circ 1 hr, P & LD DP & DC's, now running 5 $\frac{1}{2}$ csg 93 jts in hole.

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9/30 (1) 3480 TD, WOC 5 $\frac{1}{2}$ csg, finish running 5 $\frac{1}{2}$ OD 15.50# J-55 LTRC csg cemented on bottom by Howco w/ 725x 8% gel Incor cement containing $\frac{1}{4}$ # flocele + 5# gilsonite/x + 150x Incor Neat, PD @ 9:00 a.m. 9/30/69, cement circ, NU 5 $\frac{1}{2}$ csg, rel C. A. Nunn Drlg Co rig @ 1:00 p.m., moving rig to Langlie-Mattix Queen Unit #6-2.

- LANGLIE-MATTIX QUEEN UNIT #2-2, 3480 TD.
10/2 MORT, prep to compl.
- LANGLIE-MATTIX QUEEN UNIT #2-2, 3480 TD.
10/3 Prep to complete.
- LANGLIE-MATTIX QUEEN UNIT #2-2, 3480 TD.
10/4 Prep to compl.
10/6 Prep to compl.
- LANGLIE-MATTIX QUEEN UNIT #2-2, 3480 TD.
10/7 Prep to compl.
- LANGLIE-MATTIX QUEEN UNIT #2-2, UNIT WELL #2, 3480 TD.
10/8 Prep to compl.
- LANGLIE-MATTIX QUEEN UNIT #2-2, UNIT WELL #2 (Formerly: Langlie-Mattix Queen Unit #2-2), 3480 TD.
10/9 Prep to compl.
- LANGLIE-MATTIX QUEEN UNIT #2-2, UNIT WELL #2, 3480 TD.
10/10 Prep to compl.
- LANGLIE-MATTIX QUEEN UNIT #2-2, UNIT WELL #2, 3480 TD.
10/13 Prep to compl.
- LANGLIE MATTIX QUEEN UNIT #2-2, UNIT WELL #2, 3480 TD.
10/14 Prep to complete.
- LANGLIE MATTIX QUEEN UNIT #2-2, UNIT WELL #2, 3480 TD.
10/15 Prep to complete.
- LANGLIE MATTIX QUEEN UNIT #2-2, UNIT WELL #2, 3480 TD.
10/16 Prep to complete.
- LANGLIE MATTIX QUEEN UNIT #2-2, UNIT WELL #2, 3480 TD.
10/17 MIRU West Texas Well Service SD unit, Worthwell ran GR-Collar - Carr log from 2000' to 3440', then perf 5½" csg in the Queen formation @ 3120-23, 3132-38, 3142-43, 3142-52, 3157-59, 3176-81, 3184-86, 3195-3226, 3275-77, 3281-88, 3294-98, 3300-01, 3334-38, 3379-80, 3386-88 & 3404-08 w/ 1JSPE, total of 80 holes, Cardinal Chemical Company acidized perfs down 5½" csg w/ 1000 gals 15% NE acid using 80 RCN ball sealers, TCP 800#, rate 6.1 BPM, ISIP 300#, on vacuum 1 min, job complete @ 4:00 p.m. 10-16-69, ran Baker plastic coated 5½" tension pkr on 58 jts cement lined tbg & SD for nite.
- LANGLIE-MATTIX QUEEN UNIT #2-2, UNIT WELL #2, 3480 TD.
10/18/69 Finish running Baker 5½ Type AD-1 plastic coated tension pkr on 98 jts 2-3/8 EUE 8rd CL tbg, load csg w/ TFW, set pkr @ 3033 w/ 14,000# tension, inst'l inj head, RD & Rel West Texas Well Serv Unit @ 1:00 p.m. 10/17/69, compl as WIW.
DROP FROM RPT until wtr inj is started.
- LANGLIE MATTIX QUEEN UNIT #2-2, UNIT WELL #2, 3480 TD.
12/30/69 (Dropped from rpt 10/18/69)
Inj started 12/5/69 - rate 600 BPD - Inj TP Vac. Compl 10/16/69.
FINAL REPORT.