

DAILY DRILLING REPORT

E. K. Queen #6-17

E. K. QUEEN UNIT #6-17, 1450' FNL & 10' FWL, Sec 19, T8S, R34E, Lea County, New Mexico. OBJECTIVE: Drill & complete a single Queen producer. AFE #2268 - MOBIL INT. 77.1257% - EST. COST TO MOBIL \$50,100.

8/11/72 Location & road compl, WOR, Hondo Drlg Co.

E. K. QUEEN UNIT #6-17
8/12 WOR.
8/14 WOR.
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8/15 WOR.
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8/16 WOR.
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8/17 Prep to MIR.
E. K. QUEEN UNIT #6-17
8/18 (1) 354 ND, WOC 8-5/8 csg in red bed, 11" hole, $\frac{1}{2}$ @ 354, Hondo Drlg Co spud in @ 5:00 p.m. 8/17/72, ran 9 jts 354' 8-5/8 OD 20.0# 8rd ST&C csg, cmt'd on bottom @ 354 by Dowell w/ 300x Class H cmt w/ 2% CaCl, PD @ 1:30 a.m. 8/18/72, cmt circ, WOC.
E. K. QUEEN UNIT #6-17
8/19 (2) 1335 drlg red bed, 7-7/8" hole, $\frac{1}{2}$ @ 850, Fr Wtr. WOC total 18 hrs, test csg & BOP 1000#/ok.
8/21 (4) 3102 drlg anhy, 7-7/8" hole, 1-3/4 @ 3075. Br Wtr & Oil.
E. K. QUEEN UNIT #6-17
8/22 (5) 3500 drlg lm, 7-7/8" hole, NND. Br Wtr & Oil.
E. K. QUEEN UNIT #6-17
8/23 (6) 3630 drlg lm, 7-7/8" hole, 1 $\frac{1}{2}$ @ 3500, Br Wtr & Oil. 6 hrs fish & rec dropped DP, down 5 hrs changing out pumps.
E. K. QUEEN UNIT #6-17
8/24 (7) 3865 drlg lm, 7-7/8" hole, NND. Br Wtr & Oil.
E. K. QUEEN UNIT #6-17
8/25 (8) 4100 drlg lm, 7-7/8" hole, 1 $\frac{1}{4}$ @ 3998. Br Wtr & Oil.
E. K. QUEEN UNIT #6-17
8-26 (9) 4311 drlg lm 7-7/8" hole 1 $\frac{1}{4}$ ^O 4311 Br wtr & oil
8-28 (11) 4616 drlg lm 7-7/8" hole NND 10.0-34-11.4, 3% oil
Core #1 4349-4409 7-27/32" hole cut 60' rec 56'
4349-4355 anhydrite & shale
4355-4359 Anhy, open fractures
4359-4387 Sand stone, shale & anhydrite
4387-4389 Anhydrite
4389-4390 Sand stone, bleeding oil pin point pos.
4390-4394 Sand stone - tite
4390-4394 Sand Stone & anhy - tite

- 8-29 E. K. QUEEN UNIT #6-17, 4650 TD
(12) 4650 T.D. in 7-7/8" hole END 10.0-34-11.4, 3 1/2% oil
Circ 2-1/2 hrs. POH w/bit. Dresser-Atlas ran SWN, GR & caliber
logs to 4647 in 5-3/4 hrs. Ran bit to bottom, circulate 3/4 hr.
P & LD DP & DC's, now running 5-1/2" casing 3500' in hole.
- 8/30 E. K. QUEEN UNIT #6-17
4650 TD, WOC 5 1/2 csg, ran 112 jts 4650' 5 1/2 OD 14.0# J-55
8rd ST&C csg cmt'd on bottom @ 4650 by Dowell w/ 1600x TILW
cmt containing 7.5# salt/x + 200x Class C Neat cmt, PD @
9:30 a.m. 8/29/72, cmt circ, set slips, cut off csg, RD & Rel
Hondo Drilg Co rig @ 12:00 noon 8/29/72, prep to MOR & MI unit
to compl.
- 8/31 E. K. QUEEN UNIT #6-17, 4650 TD.
MOR, MIRU DA&S Well Serv unit, inst'l BOP, ran 4-3/4 bit & 5 1/2
csg scraper on 2-7/8 tbg to 4249, SD for nite.
- 9/1 E. K. QUEEN UNIT #6-17, 4650 TD.
Finish in w/ bit to 4605 PBTD, displ hole to lse oil, then
spot 250 gals 15% acid on bottom, POH, Western Co ran GR-C
logs 4605-4105, then perf 5 1/2 csg w/ 1 JSPP 4368-72; 4378-82;
4388-4402; 4402-07; 4410-12, total 34 holes, ran Baker Model
R pkr w/ 2 1/2 tbg to 4605, rev out acid, set pkr @ 4316, S 24
BLO + 19 BW/2 hrs, L hr sw, S/O 100% wtr.
- 9/2 E. K. QUEEN UNIT #6-17, 4650 TD
12 hr SITP 750#, bled press off, sw 133 BW/ 8 hrs, no show oil
or gas, 500' FIH.
- 9/3 12 hr SITP 650#, bled press off, sw 57 BFW/ 6 hrs, 500' FIH.
- 9/5 11 hr SITP 700#, bled press off, sw 106 BFW/ 10 hrs, 450'
FIH. L hr sw 8 bbls, 99% wtr, skim of oil, wtr analysis -
sodium 33,684, cal 4000, mag 3896, chl 67,368, sulp 3600, bicarb
427, PH 630, spec gr 1.085, iron 8 parts per million.
- 9/6 E. K. QUEEN UNIT #6-17, 4650 TD
37 hr SITP 900#, sw 107 BW w/ tr oil in 11 hrs, 500' FIH, prep
to POP.

WATER ANALYSIS FROM NEARBY WELLS (9-5-72)

<u>WELL #</u>	<u>1-1</u>	<u>6-5</u>	<u>6-8</u>	<u>6-12</u>
K	56,273	47,096	45,920	32,981
Ca	3,360	3,880	3,920	3,640
Mg	2,733	3,136	2,957	2,397
Cl	97,000	85,600	83,000	60,400
Sulf	4,550	3,700	4,100	4,625
BiCarb	610	555	622	841
Ph	6.8	6.8	6.8	7.0
S.G.	1.105	1.090	1.090	1.070

9/7 E. K. QUEEN UNIT #6-17, 4650 TD
700# TP, 12 hr SI, bled pres off, pull tubing, ran prod 137 jts 2½"
J-55 EUE 8rd tbg w/ OP MA to 4601, perf 4566-4570, SN @ 4565, Guib
TA set 15,000#, ten @ 4340, NU wellhead, ran rods & pump, rel unit
& turned to prod @ 8:00 p.m. 9-6-72. -70 BLO.

9/8 E. K. QUEEN UNIT #6-17, 4650 TD
Set PU, prep to POP. -70 BLO.

9/11 E. K. QUEEN UNIT #6-17, 4650 TD
P 70 BLO + 5 BNO + 536 BSW/ 64 hrs.

9/12 E. K. QUEEN UNIT #6-17, 4650 TD
P 4 BNO + 191 BSW/ 24 hrs.

9/13 E. K. QUEEN UNIT #6-17, 4650 TD
P 7 BNO + 208 BSW/ 24 hrs.

9/14 E. K. QUEEN UNIT #6-17, 4650 TD
P 1 BNO + 162 BSW/ 24 hrs.

9/15 E. K. QUEEN UNIT #6-17, 4650 TD
P 0 BNO + 202 BSW/ 24 hrs.

9/18 E. K. QUEEN UNIT #6-17, 4650 TD.
P 0 BNO + 608 BSW/3 days.

9/19 E. K. QUEEN UNIT #6-17, 4650 TD.
P 1 BNO + 188 BSW/24 hrs, 63' FIH.

9/20 E. K. QUEEN UNIT #6-17, 4650 TD.
P 2 BNO + 173 BSW/24 hrs.

9/21 E. K. QUEEN UNIT #6-17, 4650 TD.
P 0 BO + 175 BSW/24 hrs.

9/22 E. K. QUEEN UNIT #6-17, 4650 TD.
P 0 BO + 208 BSW/24 hrs.

9/25 E. K. QUEEN UNIT #6-17, 4650 TD
P 0 BO + 520 BSW/ 3 days.

9/26 E. K. QUEEN UNIT #6-17, 4650 TD
P 1 BNO + 182 BSW/ 24 hrs.

9/27 E. K. QUEEN UNIT #6-17, 4650 TD
No rpt.

9/28 E. K. QUEEN UNIT #6-17, 4650 TD
P 0 BNO + 256 BSW/ 48 hrs.

9/29 E. K. QUEEN UNIT #6-17, 4650 TD
P no oil + 149 BSW/ 24 hrs.

10/2 E. K. QUEEN UNIT #6-17, 4650 TD
P 0 BNO + 438 BSW/ 3 days.

E. K. QUEEN UNIT #6-17, 4650 TD
10/3 P no oil + 142 BSW/ 24 hrs.

E. K. QUEEN UNIT #6-17, 4650 TD
10/4/72 PROCC POT: P 1 BNO + 145 BSW/ 24 hrs, 9 x 1 1/2 x 100 SPM, GOR:
POTENTIAL TSTM, gr 34.6 @ 60, allow 1, wtrflood allow, cap 1, compl
9-1-72.
FINAL REPORT.