

WELL HISTORY

Lowe State #3

FIELD: Indian Basin

LOCATION: 660 ft. FEL, 830 FT. FSL, SEC.36, T21S, R23E

ELEVATION: ZERO = KB = 3899 FT, GL 3886 FT.

DEPTHS: TD = 9722 FT. PBTD = 7670 FT.

SPUD DATE: 3/2/98

CSG DATA: SURFACE: 9-5/8", 36#, K-55 @ 1406 FT.

PRODUCTION: 7", 23#, 26#, L-80/K-55 @ 8166 FT.

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3/2/98 Spud well. Drilled to Morrow. Top into U.Penn, lost circulation. Pumped 28 LCM pills , total volume= 3850 bbls. Consisting of maxi-seal, cottonseed hulls, cedar fiber, etc. while drilling through U.Penn over 6 day period. TD at 8161 ft. Logged, set 7" csg at 8161 ft. TOC @ 4079 ft , TS. Drill to 9722 ft. logged Morrow, PB w/ 25 sxs across Morrow fr. 9350-9240 ft. Set CIBP @ 8133 ft. dump 35 ft cmt, PBTD @ 8098ft. RD

4/10/98 MIRU Pool. Ran CBL. Perf Penn set 3 7737-7790', w/4" csg guns, 2 spf, 120 degree phase. RIH set RBP and RTP across zone, acidize w/21,200 gals 15%HCL, mtp 5840 psi, air 40 bpm @ 4485 psi.ISIP @ 350#, 1MIN VAC. reset RBP. Perf set 2: 7505-7515', w/ 4 " csg gun as per above. Set pkr above zone, acidized w/ 15,200 gals 15% HCL, ATP 5700 @ 45 BPM, MTP 6100 @ 48 BPM, flushed and reset pkr. Perf Set 1: 7350-466' w/ 4" csg gun, 2 spf. ATP5800 # @ 47 BPM, MTP @ 6000#, ISIP 0#. RIH w/ CT to lift well in w/ N2 to remove LCM. No LCM recovered. RIH w/ sub pump, set intake at 7803 ft, on 2-7/8" tubing. BTM shroud @ 7875 ft. POP @ 4-24-98. Rate @ 538 mcfpd, 3300 bwpd, FBHP 1470 psi.

5-12-98 Kill well w/ 50 bbls. Change out BOP's. pump 160 bbls, POOH w/ tbg. Set CIBP @ 7680 ft. dump 10 ft cmt, TOC 78670 ft. RIH w/ TD 3000 ESP sub pump on 2-7/8" tubing, bttm shroud @ 7625 ft, pump intake 7557 ft. RR Final report 645 mcfpd, 0 bopd, 5621 bwpd, FBHP @ 1368 psi.