

DAILY DRILLING REPORT

Bridges State #138

BRIDGES STATE #138, 1980' FSL & 860' FWL Sec 26, T-17-S, R-34-E, North Vacuum Abo Fld, Lea Co, NM. OBJECTIVE: To drill single Abo producer. AFE 0141 - Mobil Intr 100% - Cost \$112,000.

7/10/70 Marcum Drlg Co MIRT.

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7/11 Marcum Drlg Co RURT.

7/12 (1) 1615 ND anhy, 12½" hole, 1° @ 1615. S. Mud. Marcum Drlg Co spud in @ 9:00 a.m. 7/11/70, ran 40 jts 1615' 8-5/8 OD 23.0# J-55 8rd ST&C csg cemented on bottom @ 1615 by Howco w/ 1000x Class H cement w/ 8% gel + 2% CaCl + 200x Incor Neat cement w/ 2% CaCl, PD 7:45 a.m. 7/12/70, cement circ.

7/13 (2) 2165 drlg salt, 7-7/8" hole, 3/4 @ 1920, Br Wtr. WOC total 18 hrs, test csg and BOP's 800#/ok.

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7/14 (3) 3318 ND anhy, 7-7/8" hole, 1½ @ 3280. Br Wtr. SI past 1 hr Yates gas kicking, CP 300.

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7/15 (4) 3850 drlg anhy, 7-7/8" - 1½ @ 3759. Br Wtr.

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7/16 (5) 4301 drlg lm, 7-7/8" - NND. Br Wtr.

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7/17 (6) 4572 drlg lm & sd, 7-7/8" hole, 2¼ @ 4572. Br Wtr.

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7/18 (7) 4890 drlg lm & sd, 7-7/8" hole, 2° @ 4890. Br Wtr & Oil, 2%.

7/20 (9) 5720 drlg lm & sh, 7-7/8" hole, 1-3/4 @ 5696. Br Wtr & Oil.

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7/21 (10) 5854 drlg lm & ch, 7-7/8" hole, NND. Br Wtr & Oil.

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7/22 (11) 5990 drlg lm, 7-7/8" hole, NND. Br Wtr & Oil.

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7/23 (12) 6555 drlg lm, 7-7/8" hole, NND. Br Wtr & Oil.

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7/24 (13) 6854 drlg lm, 7-7/8" hole. Br Wtr & Oil, 1%. 2° @ 6567.

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7/25 (14) 7140 drlg lm, 7-7/8" hole, 1½ @ 7138. Br Wtr & Oil, 1%.

7/27 (16) 7533 drlg lm, 7-7/8" hole, 1° @ 7395. Br Wtr & Oil, 1%.

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7/28 (17) 7703 drlg lm, 7-7/8" hole, 1½ @ 7700. Br Wtr & Oil 1%.

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7/29 (18) 7,915' drlg lm, 7-7/8" hole, NND.

Br wtr & oil 1%.

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7/30 (19) 8,092' drlg lm, 7-7/8" hole, 1-1/4" @ 7,979'. Br wtr & 1% oil.

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7/31 (20) 8,230' drlg lm, 7-7/8" hole, 1-1/4" @ 8,218'. Br wtr & oil 1%

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8/1 (21) 8393 drlg lm, 7-7/8" hole, 1 1/4 @ 8381. Br Wtr & 1% Oil.

8/2 (22) 8580 drlg lm, 7-7/8" hole, 1/4 @ 8494, 10.1-33-NC.

8/3 (23) 8700 TD lm, 7-7/8" hole, 1/4 @ 8700. 10.2-36-22.0.
Circ 2 hrs, P & LD DP & DC's, running 5 1/2 csg, 181 jts in hole.

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8/4 8700 TD lm, WOC, 5 1/2 csg, finish running 5 1/2 csg 240 jts
N-80 and J-55 8rd 17.0# and 15.50# csg 2551' 17.0# on
bottom, cemented on bottom @ 8700 by BJ Serv w/ 2900x TILW
1st 1000x contained 1/4# Flocele + 200x Class C Neat, PD @
12:40 p.m. 8/3/70, cement circ, Rel Marcum Drlg Co rig @
4:00 p.m. 8/3/70, prep to MOT.

BRIDGES STATE #138, 8700 TD.

8/5 MOT, set unit anchors, prep to compl.

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8/6 MIRU DA&S Well Serv DD unit, inst'l BOP, ran 4-3/4 bit,
5 1/2 csg scraper on 2 - 3 1/2 DC's and 2-3/8 tbg to 8651, SD
for nite.

BRIDGES STATE #138, 8700 TD.

8/7 Knox Serv Co tested 5 1/2 csg 1500#/ok, then displ wtr w/
lease oil, spotted 500 gals 15% NE acid on bottom, POH w/
tbg and bit, Schl ran GR-N-Collar Corr log from 2800-4900;
5900-7000; and 8200-8650, SD for nite, prep to perf.

BRIDGES STATE #138, 8700 TD.

8/8 Schl perf 5 1/2 csg in the Abo @ 8508; 17; 20; 22, 24; 30; 34;
36; 38; 42; 48; 65; 67; 69; 73; 75; 81; 88; 91; 96; & 8600
w/ 1 JSPF, total of 21 holes, ran BOT pkr on 2-3/8 tbg to
8018, Knox Serv Co displ acid in form, TTP 3500-4000, AIR 2.0
BPM, ISIP 3700, 10 min 2200, job compl @ 11:30 a.m. 8/7/70,
reset pkr @ 8464, S 34 BLO + 8 BNO + 4 BAW/3 hrs, L hr sw 9
bbbls, S/O 70% oil, 1000' FIH, fr sh of gas, SD for nite.

8/9 SI 14 hrs, TP 580, bled off press, Knox Serv Co. acidized Abo
perfs w/ 10,000 gals 15% NE acid w/ 5#/1000 gals friction
reducer using 18 RCNB sealers, TTP 3600-4400, AIR 4.4 BPM,
ISIP 3400, 10 min SIP 2800, job compl 9:15 a.m. 8/8/70, S & F
36 BLO + 80 BNO + 54 BAW/8 hrs, L hr fl 20 bbbls on 36/64 ck,
TP 110, S/O 90% oil, SI & SD for nite. - 194 BAW.

8/10 SI 13 hrs TP 850, F 192 BNO + 31 BAW/11 hrs, L hr fl 17
bbbls (S/O 90% oil) on 28/64 ck, TP 150, SI 13 hrs,
TP 850, prep to compl. - 163 BAW.

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- 8/11 Kill well w/ 50 BLO, POH w/ 2-3/8 tbg and pkr, LD 64 -
 2-3/8 tbg, ran 2-3/8 tbg, OP to 8647, T. Perfs 8613-16,
 SN @ 8612, Baker anchor catcher @ 8430, set w/ 12,000# T,
 total 219 jts 2-3/8 EUE 8rd tbg 1858-8647, 60 jts 2-7/8
 EUE 8rd tbg surf to 1858, remove BOP, inst'l wellhead,
 SD for nite. - 250 BLO + 163 BAW.

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- 8/12 S 149 BLO + 2 BAW/12 hrs, L hr S 19 bbls, S/O 99% oil,
 gd sh of gas, SD for nite. - 101 BLO + 161 BAW.

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- 8/13 SI 13 hrs, TP 150, CP 20, S & F 101 BLO + 44 BNO + 10 BAW/9
 hrs on open ck, TP 50, L hr fl 9 bbls fluid, S/O 99% oil,
 RD & Rel DA&S unit @ 6:00 p.m. 8/12/70, Coleman Engr ran
 BHPB, Rel well to Prod. - 151 BAW.
 8/13 SI for BHP. - 151 BAW.

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- 8/14 Prep to pull BHP bomb and test. - 151 BAW.

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- 8/17/70 Pulled BHP bomb, BHP 2380# after 38 hr SI.
 POTENTIAL NMOCC Potential Test, F 270 BNO + 10 BAW/ 24 hrs, 22-64" ck, TP
 100#, CP 100, GOR 459/1, grav 38.1 at 60 F, Allow 270 BOPD non pror,
 top 358, cap 270, completion date 8/8/70.
FINAL REPORT.