

MIDLAND E & P DIVISION

DAILY DRILLING REPORT SUMMARY

Lease Name: Bridges State COM# No: _____ Well No: 121
 Type Well: Development Foremen's Area: Buckeye
 Elev: _____ Field: Upper Penn & Abo
 Location of Well: 1830' FSL & 760' FWL
 Unit or Block: _____ Sec: 13 Twp: 17S Rge: 34E
 Survey: _____ County: Lea State: N.M.
 Spudded: 7-4-67 Completed (Reached T.D.): _____
 Completion Date (Last time work was done on Well Bore): _____
 Potential Date: _____ T.D.: 10550 PBTD: 10502

XX

BRIDGES STATE #121, 1980 FSL & 860 FWL Sec 13, T-17-S, R-34-E, Vacuum Fld, Lea Co, N.M. OBJECTIVE: Development in Upper Penn & Abo. AFE 4415/2024. Mobil Intr 100% - Est Cost \$236,000.

6/29/67 ✓ Bldg loc.

6/30 ✓ BRIDGES STATE #121
Bldg loc.

7/1 ✓ BRIDGES STATE #121 (CORRECTION: 1830' FSL & 760' FWL).
Bldg loc.

7/3 ✓ Marcum Drlg Co RUR.

7/5 ✓ C-103
7-13-67
C-103
7-13-67
BRIDGES STATE #121
(2) 764' drlg red bed, 12 $\frac{1}{4}$ " hole, 1° @ 370. Fr wtr.
Ran 11 jts 13-3/8 48# H-40 csg, Hallib cemented @ 368 w/ 325 sx Incor
w/ 2 $\frac{1}{2}$ HA5, PD 7:30 a.m. 7/4/67, cem circ, WOC 18 hrs, tested BOP & csg
1200#/30 min/ok. Marcum Drlg spudded 7 p.m. 7/3/67.

7/6 ✓ BRIDGES STATE #121
(3) 1860 drlg red bed & anhy, 12 $\frac{1}{4}$ " hole, 3/4° @ 1779, Br wtr.

7/7 ✓ BRIDGES STATE #121
(4) 2242 drlg anhy & salt, 12 $\frac{1}{4}$ " hole, NMD. Br wtr & oil.
Stuck DP @ 1960, spotted oil & drove loose w/ Homco Driving Tool/12 hrs.

7/8 ✓ BRIDGES STATE #121
(5) 3025 drlg anhy - 12 $\frac{1}{4}$ " hole - 1 $\frac{1}{4}$ ° 2500 - br wtr & oil, 3%.

7/9 & 7/10 ✓ (7) 3549 drlg anyh - 12 $\frac{1}{4}$ " hole - 3/4° 3320 - br wtr & oil.

7/11 ✓ BRIDGES STATE #121
(8) 3320 drlg anhy 12 $\frac{1}{4}$ " hole $\frac{1}{2}$ ° 3549 - br wtr & oil.

7/12 ✓ BRIDGES STATE #121
(9) 4068 drlg anhy 12 $\frac{1}{4}$ " hole 3/4° 3840 - br wtr & oil.

BRIDGES STATE #121
7/13 ✓ (10) 4265 drlg lm 12 $\frac{1}{4}$ " hole 1 $\frac{1}{4}$ " 4150 - br wtr & oil.

BRIDGES STATE #121
7/14 ✓ (11) 4413 drlg lm 12 $\frac{1}{4}$ " hole 1" 4335 - bt wtr & oil.

BRIDGES STATE #121
7/15 (12) 4570 drlg lm 12 $\frac{1}{4}$ " hole 1 $\frac{1}{4}$ " 4565, br wtr & oil.

7/17 (14) 4894 drlg lm 12 $\frac{1}{4}$ " hole 3/4" 4780, br wtr & oil.

BRIDGES STATE #121
7/18 (15) 4984 ND lm 12 $\frac{1}{4}$ " hole 1" 4984, br wtr & oil, circ 2 hrs LD
e-103
DP & DC'S, rigged up, ran 26 jts 846 9-5/8 40# J55 ST&C csg &
134 jts 4138 9-5/8 36# J55 ST&C Howco now cementing csg on bottom
@ 4984.

BRIDGES STATE #121
7/19 (16) 4984 ND lm WOC 9-5/8" csg past 23 hrs, Howco cem 9-5/8" csg on
e-103
bottom w/2400 sx incore 6 $\frac{1}{2}$ gel cem w/114# flocele in 1st 600 sx +
100 sx incore neat cement plug down @ 8:00 AM 7/18/67, cem circ nipple
9-5/8" csg prep to drill 8-3/4" hole.

BRIDGES STATE #121
7/20 ✓ (17) 5400 drlg lm 8-3/4" hole NND, fr wtr. WOC 1 hr total 24 hrs
tested csg & BOP's w/2000# 30 min ok.

BRIDGES STATE #121
7/21 ✓ (18) 5770 drlg lm 8-3/4" hole 1" 5550; fr wtr.

BRIDGES STATE #121
7/22 ✓ (19) 6130 drlg lm, 8-3/4" hole, NND. Fr wtr.

7/24 ✓ (21) 6726 drlg lm & sh, 8-3/4" hole, NND. Fr wtr.

BRIDGES STATE #121
7/25 ✓ (22) 7095 drlg lm & sh, 8-3/4" hole, NND. Fr wtr.

BRIDGES STATE #121
7/26 ✓ (23) 7316 drlg lm & sh, 8-3/4" hole, 1/2 @ 7110. Fr wtr.

BRIDGES STATE #121
7/27 ✓ (24) 7540 drlg lm, 8-3/4" hole, 1/2 @ 7470. Fr wtr.

BRIDGES STATE #121
7/28 ✓ (25) 7757 drlg lm & sh, 8-3/4" hole, 1/4 @ 7630. Fr wtr.

BRIDGES STATE #121
7/29 ✓ (26) 8018 drlg lm & sh, 8-3/4" hole, NND. Mudding up.

7/31 ✓ (28) 8340 drlg lm & sh, 8-3/4" hole, 1/2 @ 8169. 8.6-34-18.0.

BRIDGES STATE #121
8/1 ✓ (29) 8520 drlg lm, 8-3/4" hole. NND. 8.6-35-20.0.

BRIDGES STATE #121
8/2 ✓ (30) 8686 drlg lm, 8-3/4" hole. NND. 8.6-34-18.0.

BRIDGES STATE #121
8/3 ✓ (31) 8893 drlg lm & sh, 8-3/4" hole. 3/4 @ 8686. 8.6-35-18.0, 2 $\frac{1}{2}$ oil.

BRIDGES STATE #121
8/4 ✓ (32) 9032 drlg lm & sh, 8-3/4" hole. 1/4 @ 9032. 8.6-35-18.0, 2 $\frac{1}{2}$ oil.

- BRIDGES STATE #121
8/5 ✓ (33) 9190 drlg 1m & sh, 8-3/4" hole, NND. 8.9-36-15.0, 3% oil.
- 8/7 ✓ (35) 9548 drlg 1m & sh, 8-3/4" hole, 3/4 @ 9542. 9.0-34-19.5.
- BRIDGES STATE #121
8/8 ✓ (36) 9726 drlg 1m & sh, 8-3/4" hole, NND. 9.1-35-18.2, 1 1/2% oil.
- BRIDGES STATE #121
8/9 ✓ (37) 9803 drlg 1m & sh, 8-3/4" hole. NND. 9.2-35-18.0, 1 1/2% oil.
- BRIDGES STATE #121
8/10 (38) 9995 drlg 1m & ch, 8-3/4" hole, 1/4 @ 9915. 9.0-36-18.0, 3% oil.
- BRIDGES STATE #121
8/11 (39) 10,087 drlg 1m & ch, 8-3/4" hole. NND. 9.0-36-16.0.
- BRIDGES STATE #121
8/12 (40) 10,260 drlg 1m & sh, 8-3/4" hole, 1/4 @ 10,087. 9.0-39-12.0, 2% oil.
- 8/14 (42) 10,417 drlg 1m & sh, 8-3/4" hole. NND. 9.0-38-10.0, 2% oil.
- BRIDGES STATE #121
8/15 (43) 10,550 TD, 1m & sh, 8-3/4" hole, NND. 9.1-37-9.5, 1 1/2% oil.
Circ for samples 3 1/2 hrs @ 10,422, reached contract depth 10,500 @ 3:00 p.m. 8/14/67, reached TD @ 5:45 a.m. 8/15/67, circ past 1/4 hr, prep to run CH logs.
- BRIDGES STATE #121
8/16 10,550 TD, 1m & sh, 8-3/4" hole. 9.1-37-10.2.
Circ 3 hrs, pulled bit, Schl ran GR-S-Cal-SNP-Neutron & IES logs 4984 to 10,556, S.M. in 10 1/2 hrs, ran bit to bottom, circ 3 hrs, now pulling bit, DC's & DP to run liner.
- BRIDGES STATE #121
8/17 10,550 TD, WCC 7" liner, finish pulling out of hole, LD 150 jts 4 1/2 DP + 28 DC's, rigged up, ran 120 jts S-95 5121' + 18 jts N80 603' 7" OD 23# csg, set w/ BWS, 6-slip type C hanger, top of liner @ 4813, cemented on bottom @ 10,550 by Howco w/ 1000x Incon Neat cement containing .75% CFR-2, PD @ 8:15 p.m. 8/16/67, cement circ, reverse circ mud to wtr on top of liner, pull DP, WCC 18 hrs, ran 8-3/4" bit to 4813, tested top of liner 2000#/30 min/ok. Now LD DP.
- BRIDGES STATE #121, 10,550 TD.
8/18 Finish LD DP. Rel Marcum Drlg Co rig @ 11:00 a.m. 8/17/67. Prep to set out rotary tools.
- BRIDGES STATE #121, 10,550 TD.
8/19 MORT, prep to MIRU unit to complete.
- 8/21 MIRU DA&S Well Serv DD Unit, inst'l BOP, ran 6 1/4 bit, csg scraper on 1 - 3 1/2" DC & 2-3/8 tbg to 10,392, RU Starr Reverse Unit, drilled out cement from 10,392-10,502, circ hole clean, tested csg w/ 2000#/30 min/ok, circ wtr w/ oil, pulled tbg & bit, Schl ran GR-Collar-Corr log from 4800-10,501, then perf 7" liner in the Penn "B" zone @ 10,436; 438; 440; 442; 444; 446; 448; 450; 452; 454; 456; 458; 460; 462; 464; 466; 468; 470; 472; & 10,474 w/ 1 JSPP, total 20 holes, now GIH w/ tbg & pkr to test.
- BRIDGES STATE #121, 10,550 TD., 10,502 PBTD, Penn "B" (10,436-474)
8/22 Ran tbg & Baker pkr to 10,373, set pkr well started flowing -
F1 54 BLO & 193 BNO/18 1/2 hrs on 15-19/64 ck, TP 50-1000, 1 hr
F1 15 BNO (S/O clean) on 16/64 ck, TP 725#, L 6 hrs F1 78 BNO, no wtr, on 16/64 ck, TP 725#, cont to test.

e-103
8-18-67

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22267

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BRIDGES STATE #121, 10,550 TD, 10,502 PBTD, Penn "E" (10,436-474).

8/23
POTENTIAL

Fl 24 BQ/2 hrs on 16/64 ck, TP 725, then on GOC Pot Test:
Fl 117 BNO & no wtr/6 hrs (calculated 24 hr rate 463 BOPD) on 20/64 ck,
GOR 333/1, Grav 43.1 @ 60, TP 600-500, Allowable 312 BOPD, Top Field
Allow 312 BOPD, Compl Date 8/21/67.

Kill well w/ oil, pulled tbg & pkr, Schl perf 7" csg in the Upper Penn
@ 10,108; 110; 123; 124; 125; 141; 142; 143; 149; 150; 151; 163; 164; 165;
183; 184; & 10,185 w/ 1 JSPF, total 17 holes, then Schl set Guib Typ A pkr
(w/ knockout plug in place) in 7" liner @ 10,400, then ran Baker ret BP &
pkr on 2-3/8 tbg, set BP @ 10,377 & pkr @ 10,061, prep to swab.

BRIDGES STATE #121, 10,550 TD, 10,502 PBTD, Upper Penn (10,108-185).

8/24

Sw 40 BLO/4 hrs, sw dry 3 hrs, Western Co acidized perfs w/ 1000 gals
15% NE acid, BDTP 5800, TTP 5800-5400, rate 0.2 BPM, ISIP 5200, 10 min
SIP 2800, job compl @ 6:00 p.m. 8/23/67, then sw 44 BLO + 59 BNO + 19 BAW
in 11 1/2 hrs, 6500' FIH, fr sh of gas, L hr sw 8 bbls, S/O 65 AW, prep to
reacidize.

Lack 9 BAW to rec.

BRIDGES STATE #121, 10,550 TD, 10,502 PBTD, Upper Penn (10,108-185).

8/25

S & F 40 BNO + 7 BAW/6 hrs, then Western Co reacidized perfs w/ 3000
gals 15% NE acid using 15 RCN ball sealers, BDTP 3000#, TTP 6900,
rate 5.1 BPM, ISIP 5900, 10 min SIP 3600, job compl @ 2:00 p.m. 8/24/67,
then sw 44 BLO + 76 BNO + 70 BAW/16 hrs, 6000' FIH, strong sh of gas,
L hr sw 9 bbls, S/O 20% AW.

Lack 4 BAW to rec.

BRIDGES STATE #121, 10,550 TD, 10,502 PBTD, Upper Penn (10,108-185).

8/26

Sw 130 BNO + 4 BAW + 83 BFW/23 hrs, L hr sw 9 bbls, S/O 40-50% wtr,
gd sh of gas, cont to swab.

8/28

Sw 124 BNO + 37 BFW/24 hrs, L hr sw 4 bbls, S/O 16% wtr, 6000' FIH,
gd sh of gas, then sw & fl 35 bbls fluid in 3 hrs, L hr flow 18 bbls,
S/O 15% wtr, 48/64 ck, TP 50-150#, unseated pkr, ret BP @ 10,377, reset
BP @ 10,060, set pkr, tested plug w/ 2000#/ok, pulled tbg & pkr, Schl
perf 7" liner in the Abo @ 8485; 86; 87; 89; 90; 91; 92; 93; 94; 8517; 18;
19; 21; 22; 23; 24; 25; 26; 29; & 8520 w/ 1 JSPF, total 20 holes, ran tbg
& Baker pkr to 8446, sw 37 BLO in 5 hrs, sw dry 2 hrs, prep to acidize.

BRIDGES STATE #121, 10,550 TD, 10,502 PBTD, Abo (8485-8520).

8/29

S 16 BNO/3 hrs, Western Co acidized perfs w/ 3000 gals 15% NE acid
using 20 RCN ball sealers, BDTP 3000#, TTP 3000# to 4500#, rate 2.5 BPM,
ISIP 3900#, 5 min SIP 2700#, job compl @ 10:30 a.m. 8/28/67, then
S & F 40 BLO + 210 BNO + 33 BAW/19 hrs, L hr Fl 15 bbls, S/O 2% AW on 1"
ck, TP 50 to 75#, cont to test.

BRIDGES STATE #121, 10,550 TD, 10,502 PBTD, Abo (8485-8520).

8/30

F 49 BNO/4 hrs on 1" ck, TP 50, loaded tbg w/ 54 BLO, pulled 2-3/8 tbg
& pkr, rerun pkr on 2-7/8 rental N80 tbg, set pkr @ 8443, then Western
Co acid-frac Abo perfs down 2-7/8 tbg w/ 20,000 gals gelled 15% NE acid
containing friction reducing & fluid loss additives + 20,000# 20/40
Ottawa sd, TTP 6000# to 7000#, rate 12.5 BPM, ISIP 3700, 5 min SIP 3200,
10 min SIP 2400, job compl 11:30 p.m. 8/29/67, SI 7 1/2 hrs, TP 0, prep to
swab test.

Lack 60 BTFW + 107 BLO + 480 BAW.

BRIDGES STATE #121, 10,550 TD, 10,502 PBTD, Abo (8485-8520).

8/31

S & F 107 BLO + 234 BNO + 60 BLW + 15 BAW/21 hrs, 48/64 -14/64 ck,
TP 250, L hr fl 15 BF, S/O 10% AW.

- 503 BAW to rec.

BRIDGES STATE #121, 10,550 TD, 10,502 PFED, Abo (2485-8520).

9/1
POTENTIAL F 266 BNO + 17 BAW/18 hrs, 11/64 ck, TP 250, then fl on CCC Pot Test:
94 BNO + 3 BAW/6 hrs (24 hr cal rate 376 BOPD), 11/64 ck, GOR 724,
Gvty 37 @ 60, TP 250-300, Allow 287 BOPD, Top Field Allow 287 BOPD, F1
13 BF L hr, S/O 1 1/2 AW, compl date 11:30 p.m. 8/29/67. Prep to kill well
& complete.

BRIDGES STATE #121, 10,550 TD, 10,502 PFED.

9/2 Chem Engr kill well w/ 150 BLO, unset pkr & ran to 9710, tagged frac sd,
c/o by reverse circ 9710 to 10,060 (350') in 9 hrs, latched onto BP @
10,060, rev circ gas out of hole, now pulling & LD 2 1/2 rental tbg.

9/3 Reset RBP @ 7000, strip off BOP & installed bottom of triple tree,
installed BOP, fin pulling & LD rental 2 1/2 tbg, pkr & RBP, left 2 bow
springs & part of top rubber off RBP in hole made 3 runs w/ 6" ragnet
& 1 run w/ 3 1/4 magnet on sd line, no rec, ran 3-3/8 OD pickup basket, BS
& 4 jts tbg on sd line, 2 runs, no rec, ran 6" lead imp blk on 2 jts tog
& sd line, no picture, well kicked, prep to kill well.

9/4 CP 50", stripped tbg w/ CI disc in hole to 10,270, Hardin Houston kill
truck, killed well w/ 170 BO & circ gas out of hole, then punched junk
& knock out plug from pkr @ 10,400 w/ tbg, pulled tbg, then Schl set
Guib Type A perm pkr w/ knockout plug in 7" liner @ 10,397, prep to run
Penn "B" tbg.

9/5 Ran Penn "B" tbg to 10,390, circ gas out of hole, attempted to push
knockout plug out of pkr/5 hrs, no success, rev gas out, prep to pull tbg,
tested tbg w/ 5000# while running.

BRIDGES STATE #121, 10,550 TD, 10,502 PFED.

9/6 Pulled 2-3/8 tbg from 10,390, ran 3" flat bottom mill on B.sub &
4 - 3-1/8 DC's & 2-3/8 tbg to 10,397, shoved knockout plug thru
Type A Guib pkrs, ran mill to bottom, circ gas out of hole, pull
tbg, DC's & mill, ran middle Penn tbg 324 jts 2-3/8 N-80 EUE w/
Guib seal assy, end of tbg @ 10,410, seals @ 10,397-404, SN @ 10,396,
Guib 7" dual type FH-2, pkr @ 10,040-42, Guib triple anchor @ 8607,
tested tbg w/ 5000# while running, prep to run upper Penn tbg.

BRIDGES STATE #121, 10,550 TD, 10,502 PFED.

9/7 Ran Upper Penn tbg 323 jts GST J-55 2-3/8 OD, latched into Guib dual
zone pkr @ 10,040, SN @ 10,011, set dual zone pkr w/ 2500 psi, set
Middle Penn tbg w/ 10,000# wt, set Upper Penn tbg w/ 8000# tension,
tested tbg while running w/ 5000#, now running Abo tbg, have 40 jts in
hole.

BRIDGES STATE #121, 10,550 TD, 10,502 PFED.

9/8 Finish running Abo tbg 275 jts 2-3/8 GST J-55, latched into triple
anchor @ 8607 w/ 8000# wt, T. perfs @ 8568-72, SI @ 8567, remove
BOP, install & test triple tree.

From Middle Penn perfs (10,436-10,474) - S & F 100 BLO + 35 BNO/3 hrs,
L hr fl 19 bbls (S/O clean oil) on 24/64 ck, TP 350, SI 6 1/2 hrs, TP 1025.

From Upper Penn perfs (10,108-10,165) - S 45 BLO + 60 HPW/5 1/2 hrs,
L hr sw 19 bbls, S/O 20-30% FW, 8500' FWH, sl sh of gas, cont to swab.

Lack 255 BLO to rec from Upper Penn zone.

9/9 BRIDGES STATE #121, 10,550 TD, 10,502 PSTD, Upper Penn (10,108-10,185).
S 130 BLO + 68 BW/24 hrs, L hr sw 9 bbls, S/O 8% wtr, 7100' FIH,
gd sh of gas, cont to swab. Lack 125 BLO to rec.

9/11 S 125 BLO + 224 BNO + 76 BW/48 hrs, L hr sw 8 bbls, S/O 10-20% FW,
5100' FIH, gd sh of gas, cont to swab.

9/12 BRIDGES STATE #121, 10,550 TD, 10,502 PSTD, Upper Penn (10,108-10,185).
S 175 BNO + 31 BW/24 hrs, L hr sw 11 bbls, S/O 15% wtr, gd sh of
gas, prep to SI & sw Abo.

L 9/13 BRIDGES STATE #121, 10,550 TD, 10,502 PSTD, Abo (8485-8520).
F 322 BLO/24 hrs, L hr fl 15 BLO on 20/64 ck, TP 200, CP 120,
Lack 375 BLO + 330 BAW to rec.

U Upper Penn perfs (10,108-10,185) - SI 24 hrs, TP 200, prep to
S open & test.

9/14/67 BRIDGES STATE #121, 10,550 TD, 10,502 PSTD, Upper Penn (10,108-185).
POTENTIAL S 171 BNO + 36 BW/23 hrs, 5100' FIH, gd sh of gas, L hr sw 11 bbls,
S/O 10-15% wtr, L 6 hrs sw 59 BNO + 6 BW.

Middle Penn perfs: SI, TP 900.

~~Essential~~

Abo perfs: SI, TP 400, CP 225.

***** On OCC POTENTIAL TEST: S 59 BNO + 6 BW/6 hrs (calculated 24 hr
rate 236 BOPD), GOR 633/1, Grav 44.0 @ 79, Top Field Allow 341 BOPD.
Compl 2:20 p.m. 8/24/67. Rel DA&S Well Serv Unit @ 7:30 a.m. 9/14/67.
Rel to Prod.

FINAL REPORT.

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