

DISTRICT I

P. O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 86595

DISTRICT II

P. O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.

30-025-34761

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT
(FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:

Oil Well ☐ Gas Well ☒ OTHER

2. Name of Operator

TMBR/Sharp Drilling, Inc.

3. Address of Operator

P. O. Drawer 10970, Midland, TX 79702

8. Well No.

1

9. Pool name or Wildcat

Shoebar South (Atoka) Gas

4. Well Location

Unit Letter M : 660 Feet From The South Line and 660 Feet From The West

Section 11 Township 17S Range 35E NMPM County Lea

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3942' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDON ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

See attached sheets.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Jeffrey D. Phillips

TITLE

V. P. Production

DATE

03/17/2000

TYPE OR PRINT NAME

Jeffrey D. Phillips

TELEPHONE NO.

(915) 699-5050

(This space for State Use)

APPROVED BY

Orig. Signed by
Paul Kautz
Geologist

TITLE

DATE

MAR 30 2000

CONDITIONS OF APPROVAL, IF ANY:



DECLARATION OF INTEREST

STATE OF TEXAS
COUNTY OF DALLAS

I,
do hereby declare that I am not
a resident of the State of Texas,
and I am not a resident of the
County of Dallas.

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TMBR/SHARP DRILLING, INC.

TMBR State "11" No. 1

660' FSL & 660' FWL

Sec. 11, T-17S, R-35E

Lea County, NM

- 01/13/00 Clean up location, plumb cellar valves to surface, fill w/gravel, & set guy wire anchors.
- 01/14/00 PO: Prep to finish PU tbg, pickle tbg & spot acid.
MIRUCU. Make final cut on 5½" csg. NU 11" 1500 x 7'16" 1500 tbg spool. Press test seals to 4000 psig, press held. Rack & tally 364 jts 2⅞" 6.5# N-80 EUE 8rd tbg. NU BOP. PU 4¾" bit, 5½" 17# csg scraper, xo-sub & 270 jts 2⅞" 6.5# N-80 EUE 8rd tbg, bit @ 8622'. Shut well in & SDFN.
- 01/15/00 PO: Prep to GIH w/pkr.
PU 81 jts 2⅞" 6.5# N-80 EUE 8rd tbg & tag @ 11,216'. LD 1 jt tbg, bit @ 11,199'. RU Howco. Press 5½" csg to 1000 psig, held. Pickle 2⅞" tbg w/200 gal xylene & 200 gal 15% HCL acid @ 1.25 BPM displaced w/65 BBL 2% KCL wtr. Reverse acid & xylene out at 1.25 BPM while displacing hole w/260 BBL 2% KCL wtr. LD 2 jts 2⅞" N-80 tbg. Bit @ 11,134'. Spot 250 gal MCA acid w/62 BBL 2% KCL wtr displacement. POH w/348 jts 2⅞" 6.5# N-80 EUE 8rd tbg. LD XO-sub, 5½" csg scraper & 4¾" bit. RU Apollo. GIH w/GR-CBL-CCL logging tool, logger's TD 11,212'. Log from 11,212' to 8600'. TOC @ 8885'. GIH w/4" select fire perf gun. Make 16' correction to csg collar @ 10,773'. Log up & across marker jt, CCL on depth. Perf Cisco top/down 2 JSPF 11,117', 118', 120', 128', 130', 132' & 134', 14 hole phased 120° w/0.50 EHD. POH. All shots fired. RD Apollo. Shut well in & SDFN.
- 01/16/00 PO: Prep to swab test Monday.
PU 5½" 45 A4 Model R double grip pkr w/2⅞" API SN. GIH w/344 jts 2⅞" 6.5 N-80 EUE 8rd tbg. ND BOP. PU 2½" x 7'16" 5000 tree. Set pkr @ 11,014' w/15 pts comp. NU tree. Load annulus w/18.5 BBL 2% KCL wtr. Press annulus to 1000 psig, press held ok. Load tbg w/8.5 BBL 2% KCL wtr & press tbg. Formation broke @ 978 psig @ 1 BPM, 1817 psig @ 1.40 BPM. ISIP 1127 psig. 1 min 356 psig, 2 min 98 psig, 2½ min vacuum. 120 BLWTR. RD Howco. RUTS, IFL 900'. Make 24 swab runs in 5 hrs to rec 144 BBL fluid, 141 BLW & 3 BO, FFL 2900'. 24th run sample cut 9% oil w/fair amount of tail gas. Shut well in & SD for Sunday.
- 01/17/00 SD for Sunday.
- 01/18/00 PO: Prep to swab test.
38 hr SITP 900 psig. Open well on 12/64" ck, oil to surface in 5 min. Flow well 2 hrs on 12/64" ck, rec 7 BO & 0 BW. Well making gas only w/80 psig FTP. Bled press off tbg. RUTS, IFL 2700'. Make 23 swab runs in 7½ hrs to rec 158 BBL fluid, 49 BO & 109 BW, 133 BWOL. FFL 3500'. Last 3 runs had 37% oil. Shut well in & SDFN.
- 01/19/00 PO: Prep to move pkr down hole between perfs.
14 hr SITP 800 psig. Open well on 14/64" ck. Fluid to surface in 15 min w/160 psig FTP. Sample 100% oil. Press increased to 210 psig. Flow well 2 hrs, rec 12 BO & 0 BW. Press dropped to 135 psig, surge press off. RUTS, IFL 2800'. Make 17 swab runs in 7 hrs to rec 123 BBL fluid, 48 BO & 75 BW, 208 BWOL, FFL 5000'. 16th swab run cut 40% oil & 60% wtr. Wtr analysis sample from 17th swab run. Shut well in & SDFN.

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Sec. 11, T-17S, R-35E

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- 01/20/00 PO: Prep to TIH w/pkr & squeeze perfs.
15 hr SITP 600 psig. Open well on 24/64" ck w/fluid to surface in 7 min. Rec 15 BBL fluid, 15 BO & 0 BW on blow down. Load tbg w/34 BBL 2% KCL wtr. ND tree, open bypass in pkr & equalize fluid. Release pkr. PU 3 jts 2 7/8" 6.5# N-80 EUE 8rd tbg, 3 - 2 7/8" x 10' x 8' x 6' N-80 pup jts. Set pkr rubber elements @ 11,124' w/14 pts compression. NU tree. RU Apollo. GIH w/GR-CCL tool. Log from 11,134-11,000', make 8' correction. Log on depth. Log from 11,130-11,000'. Pkr elements on depth @ 11,124', btm pkr 11,127'. Load annulus w/35 BBL 2% KCL wtr to make sure pkr not in blank pipe or if perfs would communicate. Perfs did communicate. ND tree, open bypass in pkr & equalize fluid. LD 3 - 2 7/8" x 6' x 8' x 10' N-80 pup jts, 3 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. PU 2 7/8" x 7 1/16" 5K tree. Set pkr @ 11,014' w/15 pts compression. NU tree. Load annulus w/11 BBL 2% KCL wtr. Press pkr to 500 psig, held. ND tree. Open by-pass, equalize fluid. Release pkr (247' BLWTR). NU BOP. POH w/344 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. LD 5 1/2" Model R pkr & SN. Shut well in & SDFN.
- 01/21/00 PO: Prep to squeeze Cisco perfs.
15 hr SICP 100 psig. Bled press off csg. PU 5 1/2" 45A4 Model R double grip pkr w/2 7/8" API SN. GIH w/341 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. Set pkr @ 10,913' w/20 pts compression. RU Howco. Load annulus w/34 BBL 2% KCL wtr to press 500 psig, press held. Load tbg w/18 BBL 2% KCL wtr. Establish injection rate of 1.3 BPM 1600 psig. Open bypass & release kr. POH w/341 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. LD 5 1/2" Model R pkr & SN. PU Baker 5 1/2" Model K1 cmt retainer & setting tool, 2 7/8" API SN, 2 3/8" x 2 7/8" xo sub. GIH w/346 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. Btm retainer swinging @ 11,068'.
- 01/22/00 PO: SD for weekend. Prep to drill out Monday.
RU Howco. Pump around cmt retainer w/70 BFW. Set cmt retainer @ 11,075'. Press annulus to 500 psig, press held. Move stinger into test position. Test tbg to 3000 psig, held. Move stinger into pump position & establish injection rate of 1.3 BPM 1750 psig press & sting out. Mix & spot 100 sx CI H cmt w/.5% Halad-9 + .4% CFR-2 & 50 sx CI H cmt w/.4% Halad-9 displaced w/29 BFW, holding 2000 psig back press. Sting into retainer. Squeeze Cisco perfs w/100 sx CI H lead cmt, 5 sx CI H tail cmt in formation, 5 sx CI H tail in pipe below retainer. Max press 2030 psig. SD & wait 5 min. Press to 2000 psig 2 times, no movement. Formation squeezed @ 10:30 AM MST 01/21/00. Sting out of retainer & reverse out 40 sx CI H tail cmt. POH w/346 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. LD 2 7/8" API SN & cmt retainer setting tool. PU 4 3/4" skirted bit, bit sub, 6 - 3 1/2" DC's & xo-sub. GIH w/332 jts 2 7/8" 6.5# N-80 EUE 8rd tbg, bit @ 10,800'. Shut well in & SD for weekend.
- 01/23/00 SD for weekend.
thru
01/24/00
- 01/25/00 PO: Prep to POH & LD BHA.
GIH w/8 jts 2 7/8" 6.5# N-80 EUE 8rd tbg, tag @ 11,068'. RU reverse equip. Drlg 5' cmt, cmt retainer & 85' cmt. Bit fell free @ 11,160'. Circ btms up. Press 5 1/2" csg to 1000 psig, press held. Bit @ 11,211'. Displace hole w/260 BBL 2% KCL wtr. Shut well in & SDFN.

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- 01/26/00 PO: Prep to swab test.
RD reverse equip. LD 5 jts 2 $\frac{7}{8}$ " 6.5# N-80 EUE 8rd tbg. POH w/340 jts 2 $\frac{7}{8}$ " 6.5# N-80 EUE 8rd tbg. LD xo sub, 6 - 3 $\frac{1}{2}$ " DC's, bit sub & 4 $\frac{3}{4}$ " bit. RU Apollo. GIH w/4" csg gun, make 8' correction to marker jt. Log 10,780-10,600', csg collars on depth. Perf Cisco formation 2 JSPF @ 11,117', 118' & 120', 6 shots @ 180° phasing w/0.50 EH. POH, all shots fired. PU 5 $\frac{1}{2}$ " 45A4 Model R double grip pkr w/2 $\frac{7}{8}$ " API SN. GIH w/343 jts 2 $\frac{7}{8}$ " 6.5# N-80 EUE 8rd tbg. PU 2 - 2 $\frac{7}{8}$ " x 6' x 8' N-80 pup jts, btm pkr @ 11,120'. RU Howco. Break circ w/2 BBL 2% KCL wtr. Spot 250 gal 15% NEFE acid w/62 BBL 2% KCL wtr. LD 2 - 2 $\frac{7}{8}$ " x 8' x 6' N-80 pup jts, 3 jts 2 $\frac{7}{8}$ " 6.5# N-80 EUE 8rd tbg. ND BOP. PU 2 $\frac{7}{8}$ " x 7 $\frac{1}{16}$ " 5K# tree. Reverse 5 BBL acid into tbg. Set pkr @ 11,014' w/15 pts compression. NU tree. Press pkr by annulus to 500 psig, press held. Soak acid into formation @ $\frac{1}{4}$ BPM, max press 1000 psig. SD & let press fall to 500 psig 8 times. Press to 1500 psig @ $\frac{1}{4}$ BPM 6 times when formation started taking acid @ 1352 psig @ $\frac{1}{4}$ BPM. Press fell to 611 psig. ISIP 436 psig, 1 min 75 psig, 2 min vacuum, 82 BLWTR. Shut well in & SDFN.
- 01/27/00 PO: Prep to POH w/pkr.
13 hr SITP vacuum. RUTS, IFL 1900'. 1" sample 100% wtr. Make 29 swab runs in 9 $\frac{1}{2}$ hrs to rec 175 BBL fluid, 13 BO & 162 BW, 80 BWOL. FFL 3000' pulled from 4300'. Run 29 sample cut 22% oil. Shut well in & SDFN.
- 01/28/00 PO: Prep to perf Wolfcamp formation.
13 hr SITP 600 psi. Blow well down in 30 min. RD wellhead. Release pkr. RU BOP. TOH w/344 jts tbg, SN & Model "R" pkr. TIH w/Baker Model "G" RBP, retrieving head, SN & 343 jts tbg. Set RBP @ 10,942' KB. LD 1 jt tbg. Displace hole w/2% KCL wtr & spot 2 sx sand on top of RBP. Tested RBP to 1000 psi. LD 5 jts tbg (337 jts in hole) hang tbg @ 10,782' KB. Spot 250 gal 15% HCL NEFE acid @ 10,782' to 10,532' KB. TOH w/tbg. SD @ 5:30 PM.
- 01/29/00 TOH w/30 stds tbg & retrieving head. RU Apollo perforators. Perf Wolfcamp @ 10,741', 747.5', 753', 757', 758', & 764' KB w/12 - 50" dia holes (2 SPF). TIH w/Baker Model "R" pkr, SN @ 332 jts tbg. RD BOP, RU wellhead. Pump 10 BW down csg to break circ. Circ 2 BW out of tbg. Set pkr @ 10,625' KB w/12,000# compression. Pump 2 BW down csg to load & press csg to 500 psi. Pump 1 BW to load tbg. Pump 1 BW into formation @ $\frac{1}{2}$ BPM @ 500 psi. Pump 4 BW into formation @ 1 BPM @ 500 psi to 1500 psi. Had steady press increase w/no press breaks. ISIP 1275 psi, 5 min 390 psi, 10 min 200 psi, 15 min 100 psi, 25 min 15 psi. TLTR 83 BW (18 BBL in formation & 65 BBL in wellbore).
- | Time | Run | FL | Est Rec | Cum Rec | Remarks |
|---------|-----|-------|---------|---------|--|
| 1:00 PM | | 200' | | | Start swabbing to pit |
| 2:00 PM | 4 | 3300' | 24 B | 24 B | Load wtr |
| 3:00 PM | 4 | 5200' | 24 B | 48 B | Good show acid gas |
| 4:00 PM | 3 | 6700' | 24 B | 72 B | Good show acid gas. Vacuum after swab. |
| | | | | | Rec acid wtr & load wtr. |
| 5:00 PM | 1 | 6700' | 6 B | 78 B | Good show gas. Vacuum after swab. |
| | | | | | After run #11, SD to RU new flags & FL |
| | | | | | Came back up to 6700'. No show oil. |

SD @ 5:00 PM. Est TLTR 5 BLW.

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01/30/00	<u>Time</u>	<u>Run</u>	<u>FL</u>	<u>Est Rec</u>	<u>Cum Rec</u>	<u>Remarks</u>
	7:00 AM		3500'			14 hr SITP 100#. Initial run had 20% oil @ top of fluid.
	8:00 AM	3	4200'	18 B	18 B	5% oil. God show gas in fluid.
	9:00 AM	3	6200'	18 B	36 B	Tastes like formation wtr.
	10:00 AM	3	6900'	18 B	54 B	1-2% oil.
	11:00 AM	3	8000'	18 B	72 B	5% oil. Inc gas show in fluid.
	12:00 PM	3	8500'	18 B	90 B	5-7% oil. Strong show gas in fluid.
	1:00 PM	1	8500'	6 B	96 B	2% oil.
	2:00 PM	2	9000'	12 B	108 B	1% oil.
	3:00 PM	2	9500'	9 B	117 B	Swab from SN on last run.
	4:00 PM	2	9800'	6 B	123 B	Swab from SN. Last run 5-7% oil.
	SD @ 4:30 PM. Rec est 118 BBL fluid over load. Delivered wtr sample from last run to Howco.					
01/31/00	SD for Sunday.					
02/01/00	PO: Prep to swab test. 38 hr SITP 75 psig. Bled press off tbg, rec no fluid. RUTS, IFL 4500'. Made 9 swab runs in 3½ hrs to rec 54 BBL fluid, 1 BO & 53 BW, 171 BWOL, FFL 9400'. Sample #9 cut 1% oil. RU Howco. Press annulus to 500 psig. Press test lines to 6000 psig. <u>Acidize Wolfcamp perms 10,741-10,764' w/2500 gal 15% HCL NEFE acid dropping 24 - 1.3 sp.gr. ball sealers @ 4.1 BPM.</u> Hole loaded w/62 BBL. Formation broke @ 2840 psig. Balled out w/22 balls on @ 4264 psig, 53 BBL acid in formation. Surge balls off. Resume acid job w/10.3 BBL displacement @ 4.1 BPM 2959 psig, displaced w/65 BBL 2% KCL wtr. Job complete @ 12:27 PM MST. ISIP 2092 psig, 5 min 1236 psig, 10 min 689 psig, 15 min 363 psig, 130 BLWTR. RUTS. IFL 1100'. Make 13 swab runs in 3¼ hrs to rec 114 BBL fluid, 4 BO & 110 BLW, 20 BLWTR. FFL 6300' pulled from 7500'. Shut well in & SDFN.					
02/02/00	14 hr SITP 50 psig. Bled press off tbg. Rec no fluid. RUTS, IFL 5100'. 1 st sample cut 20% oil. Made 30 swab runs in 9¼ hrs to rec 177 BBL fluid, 5 BO & 172 BW, 155 BWOL. FFL 6900' pulled from 8100', good tail gas after runs. Last sample Run #30 cut 11% oil. Two samples before that, Run #23 & #26 cut 22% oil. Shut well in & SDFN.					
02/03/00	PO: Prep to swab test. 14 hr SITP 70 psig. Bled press off tbg. Rec no fluid. RUTS, IFL 6900'. 1 st sample cut 32% oil, 1200' fluid entry overnight. Made 26 swab runs in 9½ hrs to rec 153 BBL fluid, 8 BO & 145 BW, 300 BWOL. FFL 7600' pulled from 8800'. Good tail gas after each run. Sample #26 cut 15% oil. FL staying between 7500' & 7600' last 9 runs. Shut well in & SDFN. Note: Wtr analysis 103,062 mpl chls, Wolfcamp should be no higher than 60,000-65,000. Will run tracer survey to determine if wtr production is extraneous.					
02/04/00	PO: Prep to POH w/pkr. 14 hr SITP 90 psig. Bled press off tbg. Rec no fluid. RUTS, IFL 7600'. 1 st sample cut 23% oil, 1200' fluid entry in 14 hrs. Made 10 swab runs in 4½ hrs to rec 68 BBL fluid, 3 BO & 65 BW, 365 BWOL. FFL 8200' pulled from 9400'. Good tail gas after each run. Sample #10 cut 11% oil. RU Cardinal Surveys & kill truck. GIH w/Gr-CCL-Temp & ejector tool to 10,400'. Log temp down to 10,950'. Log from 10,950-10,400' w/ GR tool, make 2' correction. <u>PBTD 10,950', btm pkr 10,615'.</u> Pump 50 BBL 2% KCL wtr down tbg. Well on vacuum. Rate % BPM. Log pump in tracer & temp. BHT 154° F. Pump in tracer shows 28% loss in top perms, 40% loss in middle perms & 32% loss in btm perms. Majority of fluid staying in zone. Temp tracer shows slight channel down behind pipe from 10,764-10,860'. POH & RD Cardinal. Shut well in & SDFN.					

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- 02/05/00 PO: Prep to squeeze Wolfcamp perms.
14 hr SITP vacuum. ND tree & release pkr. NU BOP. 276 BLWTR. POH w/332 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. LD 5 1/2" Mod-R pkr & 2 7/8" API SN. PU 5 1/2" EZ, drill SV cmt retainer & setting tool. GIH w/332 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. Retainer swinging @ 10,623'. Shut well in & SDFN.
- 02/06/00 PO: Prep to drill cmt & retainer Monday.
RU Howco. PU 1 - 2 7/8" N-80 pup jt, 1 jt 2 7/8" 6.5# N-80 EUE 8rd tbg, retainer @ 10,654'. Pump capacity tbg w/63 BBL FW. Set retainer @ 10,654' w/10K lbs compression. Move stinger to test position & test tbg to 3000 psig, press held. Load annulus w/51 BBL FW & press to 500 psig. Load tbg w/33 BBL PW & establish inj rate @ 3.0 BPM @ 1000 psig. Squeeze Wolfcamp perms 10,741-10,764' by pumping 12 BBL CaCl wtr, 3 BBL FW spacer, 12 BBL superflush 100, 3 BBL FW spacer, 100 sx Premium H cmt w/0.5% CFR-3, tailed w/75 sx Premium H Neat, displaced w/41.25 BBL FW. Squeeze locked up @ 11:05 AM. Max press 2500 psig. Press 2500 psi 2 times, no movement. Leaving 63 sx lead in formation & 8.7 sx in esg below retainer. Reverse out 103 sx cmt @ 1970 psig @ 1.90 BPM. RD Howco. LD 1 jt 2 7/8" 6.5# N-80 tbg, 1 - 2 7/8" x 8' pup jt. POH w/332 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. LD setting tool & stinger. PU 4 3/4" bit, bit sub, 6 - 3 1/2" DC & xo-sub. GIH w/312 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. Bit @ 10,147'. Shut well in & SD for weekend.
- 02/07/00 SD for Sunday.
- 02/08/00 PO: Prep to perf Wolfcamp.
GIH w/16 jts 2 7/8" 6.5# N-80 EUE 8d tbg. Tag @ 10,652'. RU reverse equip. Drld 2' cmt, cmt retainer & 118' cmt. Bit fell free @ 10,772'. GIH to 10,796'. Circ btms up, hole clean. Press test squeeze to 1000 psig for 15 min, held. Displaced hole w/260 BBL 2% KCL wtr. RD reverse equip. LD 6 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. POH w/326 jts 6.5# N-80 EUE 8rd tbg. LD xo-sub, 6 - 3 1/2" DC's, bit sub & 4 3/4" bit. Shut well in & SDFN.
- 02/09/00 PO: Prep to finish TIH, set pkr & break down perms.
RU Apollo. GIH w/4" select fire perforating gun. Made 11' correction to marker jt @ 9061', marker jt @ 10,700' on depth. Reperforate Wolfcamp formation 2 JSPF phased 180° @ 10,741', 747.5', 753', 757', & 758', 10 holes, 0.50 EHD. POH, all shots fired. PU 5 1/2" 45A4 Model-R double grip pkr w/2 7/8" API SN. GIH w/336 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. PU 1 - 2 7/8" x 6' N-80 pup jt, btm pkr @ 10,758'. RU Howco. Break circ down tbg w/3 BBL 2% KCL wtr. Spot 350 gal 15% HCL NEFE acid w/60 BBL 2% KCL wtr. LD 1 - 2 7/8" x 6' N-80 pup jt. POH w/4 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. Reverse 6 BBL 15% acid into tbg. Set Model-R pkr @ 10,625' w/15 pts compression. Press annulus to 500 psig, pkr not holding. Release pkr & reset same @ 10,625'. Press annulus to 500 psig, pkr not holding. Release pkr & LD 1 jt 2 7/8" N-80 tbg. Set pkr @ 10,592' w/15 pts compress. Press annulus to 270 psig, pkr not holding. Release pkr & reverse out 5.1 BBL 15% acid w/70 BBL 2% KCL wtr leaving 3.2 BBL 15% acid in hole & across perms. RD Howco. POH w/332 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. LD 5 1/2" Model-R pkr w/2 7/8" API SN. Top rubber element missing off pkr. PU 5 1/2" 45A4 Model-R double grip w/2 7/8" API SN. GIH w/188 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. Btm pkr @ 6026'. Shut well in & SDFN.
- 02/10/00 PO: Prep to check FL & acidize Wolfcamp perms.
GIH w/144 jts 2 7/8" 6.5# N-80 EUE 8rd tbg (332 jts in hole). Set pkr @ 10,625' w/16 pts compression. Load annulus w/24 BBL 2% KCL wtr. Press pkr to 500 psig, held. Load tbg w/11 BBL 2% KCL wtr. Press squeezed perms starting @ 1200 psig 1 BPM, 1600 psig .50 BPM, 1700 psig .40 BPM, 1800 psig .40 BPM, 1900 psig .35 BPM, 2000 psig .35 BPM. Formation did not break, could not establish steady injection rate. Good bleed off in press. Max press 2000 psig, 90 BLWTR. RD Howco. RUTS. IFL surface. Made 19 swab runs in 7 1/4 hrs to recover 130 BBL fluid, 0 BO & 130 BW, 40 BWOL. FFL 9400' pulled fro SN @ 10,620'. 19th sample showed trace oil, no tail gas. Shut well in & SDFN.

TMBR/SHARP DRILLING, INC.

TMBR State "11" No. 1

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Lea County, NM

- 02/11/00 PO: Prep to swab test.
14 hr SITP 40 psig. Bled press off tbg. RUTS, IFL 5500'. 1st sample 100% wtr w/trace oil. IFL 5500'. Made 8 swab runs in 3¼ hrs to rec 54 BBL fluid, 0 BO & 54 BW, 94 BWOL. FFL 9300' pulled from SN 10,620'. Sample #8 100% wtr, no gas. RU Freemyer. Press annulus to 500 psig. Acidize Wolfcamp perms w/2500 gal 15% HCL NEFE acid dropping 10 - 1.3 sp.gr. ball sealers @ 1.1 BPM, displaced w/64.5 BBL 2% KCL wtr. Job complete 11:56 AM MST. ISIP 975 psig, 5 min 400 psig, 10 min 100 psig, 11 min 0 psig. Max prss 1200 psig, avg 700 psig, min 0 psig. AIR .95 BPM, max 1.8 BPM, min .8 BPM, 124 BLWTR. RUTS, IFL 600'. Made 15 swab runs in 4¼ hrs to rec 125 BBL fluid, 0 BO & 125 BW, 1 BWOL. FFL 6400' pulled from 7900'. Sample #15 acid wtr, acid gas after runs. Shut well in & SDFN.
- 02/12/00 PO: Prep to POH w/pkr & TIH w/EZ drill.
14 hr SITP 40 psig. Bled press off tbg. RUTS, IFL 5300'. 1st sample cut 14% oil, 2nd sample cut 2% oil. Made 27 swab runs in 9¾ hrs to rec 208 BBL fluid, 5 BO & 203 BW, 204 BWOL. FFL 7700' pulled from 9000'. Sample 27 cut 3% oil, small amount tail gas. Shut well in & SDFN.
- 02/13/00 PO: SD for Sunday; drill out retainer & cmt Monday.
14 hrs SITP 80 psig. Bled press of tbg. Open bypass valve in Model R pkr, equalize fluid. POH w/332 jts 2½" 6.5# N-80 EUE 8rd tbg. LD 2½" API SN & Model R pkr. RU 5½" EZ drill SV cmt retainer & setting tool. GIH w/332 jts 2½" 6.5# N-80 EUE 8rd tbg. PU 1 - 2½" x 6' N-80 pup jt, 1 jt 2½" 6.5# N-80 EUE 8rd tbg, retainer @ 10,661'. RU Howco. Pump thru retainer @ 10,661' w/65 BBL FW @ 2 BPM. Set retainer @ 10,661' w/18 pts compression. Sting out of retainer, load hole & break circ w/84 BBL FW @ 4 BPM. Sing into retainer to test position & press. Test tbg to 3000 psig, press held. Press annulus to 500 psig. Move to pump position. Load tbg w/24 BBL FW & est inj rate of 3.3 BPM @ 1000 psig. Pump 6 BBL Superflush 100, 12 Bbl 10% CaCl wtr, 5 BBL FW spacer & 21 BBL (100 sx) Premium H cmt w/.5% Halad 322 displaced w/52.5 BBL FW @ rates the following rates: 3.3 BPM 1940 psig, 2.1 BM 1450 psig, 1.3 BPM 1640 psig, 1.0 BPM 2007 psig, .50 BPM 2445 psig. Squeeze locked up @ 2540 psig. Re-pressure squeeze one time to 2540 psig, no fluid entry. Sting out of retainer & reverse 45 sx cmt w/80 BBL FW leaving 45 sx cmt in formation & 10 sx cmt in csg. Job complete @ 2:45 PM MST. RD Howco. LD 1 jt 2½" 6.5# N-80 tbg, 1 - 2½" x 6' N-80 pup jt. POH w/332 jts 2½" 6.5# N-80 EUE 8rd tbg. LD EZ drill setting tool. Shut well in & SD for Sunday.
- 02/14/00 SD for Sunday.
- 02/15/00 PO: Prep to POH w/bit & DC, TIH w/pkr.
PU 4¾" bit, bit sub, 6 - 3½" DC's & xo sub. GIH w/328 jts 2½" 6.5# N-80 EUE 8rd tbg. Tag @ 10,660'. RU reverse equip. Drlg 1' cmt, EZ drill retainer & 107' cmt. Bit fell free @ 10,770'. Circ btms up. Press test squeeze perms to 1000 psig. Lost 300 psig in 1 min, 400 psig in 2 min,. Press squeeze perms to 500 psig. Lost 500 psig in 6½ min. LD power swivel & stripper head, 6 jts 2½" 6.5# N-80 EUE 8rd tbg. POH w/16 jts 2½" 6.5# N-80 EUE 8rd tbg. Shut well in & SDFN.
- 02/16/00 PO: Prep to POH w/pkr.
POH w/312 jts 2½" 6.5# N-80 EUE 8rd tbg. Stand back 6 - 3½" DC's. PU 5½" 45A4 Model R double grip pkr w/2½" API SN. GIH w/334 jts 2½" 6.5# N-80 EUE 8rd tbg. Set pkr @ 10,683' w/22 pts compression. RU Howco & Baker manifold. Load annulus w/19 BBL FW & press to 500 psig. Load tbg w/6 BBL FW & establish inj rate of .50 BPM @ 1950 psig. Bleed press down to 500 spig. Open by-pass in pkr. Pump 5 BBL FW spacer, 10.5 BBL cmt (50 sx Prem H w/.5% Halad 322), 47 BBL FW holding 500# back press. Close by-pass in pkr trapping 500 psig on annulus. Pump 5.4 BBL FW displacement. Perfs squeezed @ 2900 psig max leaving 16 sx cmt in formation, 8.7 sx in csg. Equalize tbg & csg press. Open by-pass in pkr. Reverse out 25.3 sx cmt w/70 BBL FW. RD swivel. POH w/10 jts 2½" 6.5# N-80 EUE 8rd tbg. Set pkr @ 10,359' & open by-pass. Reverse 10 BBL FW into tbg. Close by-pass & press annulus to 500 psig. Press tbg to 2950 psig. Job complete @ 2:45 PM MST. Shut well in & SDFN.

TMBR/SHARP DRILLING, INC.**TMBR State "11" No. 1****660' FSL & 660' FWL****Sec. 11, T-17S, R-35E****Lea County, NM**

- 02/17/00 PO: Prep to retrieve RBP.
Bleed press off tbg & csg, unseat pkr. POH w/324 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. LD 5 1/2" Model R pkr & 2 7/8" API SN. PU 4 3/4" bit, bit sub. GIH w/6 - 3 1/2" DC's, xo sub & 328 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. Tag cmt @ 10,683'. RU reverse equip. Drlg cmt from 10,683' to where bit fell free @ 10,758'. GIH to 10,791'. Circ btms up, hole clean. LD power swivel. Press test squeezed perfs 10,741-10,758' to 1000 psig for 15 min, held, no bleed off. RD reverse equip. LD 4 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. POH w/328 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. LD xo sub, 6 - 3 1/2" DC's, bit sub & 4 3/4" bit. PU retrieving head, 2 7/8" API SN. GIH w/120 jts 2 7/8" 6.5# N-80 EUE 8rd tbg, btm RBP head 3850'. Shut well in & SDFN.
- 02/18/00 PO: Prep to TIH w/MA & TAC.
TIH w/216 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. PU 7 jts 2 7/8" 6.5# N-80 EUE 8rd tbg, tag @ 10,944'. RU reverse equip. Wash 31' to RBP @ 10,975'. Circ hole clean. Latch onto & release RBP. RD reverse equip (267 BLWTR). POH w/343 jts 2 7/8" 6.5# N-80 EUE tbg. LD 2 7/8" API SN, 5 1/2" RBP & retrieving head. SD due to high winds. Shut well in & SDFN.
DWC: \$ 5,576 CCC: \$ 189,784
CWC: \$ 878,686
- 02/19/00 PO: SD for weekend. Prep to run pump & rods Monday.
15 hr SICP 50 psig. Bled press off csg. PU 2 7/8" x .44 female bull plug, 1 jt 2 7/8" 6.5# N-80 EUE 8rd tbg. mud anchor, 2 7/8" x 4.00 perf sub, 2 7/8" x .84 mech SN w/1 1/4" x 6' gas anchor, 4 jts 2 7/8" 6.5# N-80 EUE 8rd tbg, 2 7/8" x 5 1/2" TAC w/40K lbs shear. GIH w/344 jts 2 7/8" 6.5# N-80 EUE 8rd tbg. Set TAC @ 11,006' w/15 pts tension. ND BOP, NU 2 7/8" x 7 1/16" 5000# tbg bonnet & pumping tee assy. Shut well in & SD for weekend.
- Tubing Detail:
- | | | |
|---|-----------|-----------|
| kelly bushing connection | 13.50 | 11,179.13 |
| 1 - 2 7/8" EUE 8rd female bull plug | .44 | 11,178.69 |
| 1 - jt 2 7/8" 6.5# N-80 EUE 8rd tbg MA | 32.90 | 11,145.79 |
| 1 - 2 7/8" J-55 EUE 8rd perf sub | 4.00 | 11,141.79 |
| 1 - 2 7/8" EUE 8rd mech hold down SN | .84 | 11,140.95 |
| w/1 1/4" x 6' gas anchor | | |
| 4 - 2 7/8" 6.5# EUE 8rd tbg | 131.53 | 11,009.42 |
| 1 - 2 7/8" x 5 1/2" TAC w/40K lbs shear | 2.78 | 11,006.64 |
| 344 - jts 2 7/8" 6.5# EUE 8rd tbg | 10,993.14 | 13.50 |
| 349 - jts in hole | 11,179.13 | |
- 02/20/00 SD for weekend.
thru
02/21/00
- 02/22/00 PO: WO rods & tank battery.
RDCU & clean up location.
- 02/29/00 PO: TIH w/1 1/2 pump & rods.
SITP 0 very slight blow, SICP 0 small blow. MIRU Pool Rig #587. ND wellhead, release TAC, NU BOP. TOH & LD 99 jts 2 7/8" tbg (3193.86'). ND BOP. Set TAC @ 7813' 1/18,000# tension (30 min). SN 7947'. NU wellhead. SI.

TMBR/SHARP DRILLING, INC.

TMBR State "11" No. 1

660' FSL & 660' FWL

Sec. 11, T-17S, R-35E

Lea County, NM

03/01/00	<u>Rod Detail:</u>	
	1 - 2½" x 1½" x 30' RHBM pump w/13" lift sub	33.36
	1 - shear nipple (26K)	.71
	109 - ¾" x 25 steel rods	2,725.00
	80 - ⅞" x 25' steel rods	2,000.00
	84 - 1¼" fiberglass rods	3,150.00
	3 - 1" pony rods (8', 4', 2')	14.00
	1 - 1½" x 26' polish rod w/1½" x 1¾" x 16' liner	20.00
		<u>7,943.07</u>
03/02/00	PO: Tank Battery Plumbings	
	Tank battery construction. Install lines & trim on tanks & heater-treater. Tank battery plumbing 85% complete.	
03/03/00	PO: WO pumping unit & power.	
	Finish trim on tank battery. Load heater-treater w/brine. Repair leaks, replace valve on drain line & water leg, tighten all gaskets. Load heater-treater & set back press valves. Transfer oil from frac tank to oil tank (oil in tank 4' 7"). Release frac tank. Order firewall to be built.	
03/04/00	PO: WO pumping unit.	
thru		
03/13/00		
03/14/00	PO: Will install pumping unit 03/14/00.	
03/15/00	PO: Well on pump.	
	Set pumping unit, size 912 - 305-168 w/size 4 electric motor. Set generator, size 125K. Set fuel tank w/250 gal diesel. Set stub pole & connect electricity to motor. Spaced rods - 72" above tbg. Start unit & check balance. Put well on pump @ 5:30 PM MST. Pumper checked well & gauged tanks.	