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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-101
Effective 1-1-65

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO OPERATE OR PLUG BACK TO A DIFFERENT RESERVOIR. SEE APPLICATION FOR PERMIT TO DRILL OR TO OPERATE FOR SUCH PROPOSALS.

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER- Water Injection Well	7. Unit Agreement Name North Vacuum Abo Unit
2. Name of Operator Mobil Producing TX. & N.M. Inc.	8. Form or Lease Name
3. Address of Operator Nine Greenway Plaza, Suite 2700, Houston, Texas 77046	9. Well No. 171
4. Location of Well UNIT LETTER <u>N</u> <u>1780</u> FEET FROM THE <u>West</u> LINE AND <u>660</u> FEET FROM THE <u>South</u> LINE, SECTION <u>14</u> TOWNSHIP <u>17S</u> RANGE <u>34E</u> N.M.P.M.	10. Field and Pool, or Wildcat Vacuum Abo, North
11. Elevation (Show whether DF, RT, GR, etc.) 4031.6 GR	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	REPAIR CASING LEAK ☒

17. 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.

-- PLEASE SEE ATTACHED DRILLING SUMMARY --

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

SIGNED <u>Paul A. Collins</u>	TITLE <u>Authorized Agent</u>	DATE <u>08/31/83</u>
ORIGINAL SIGNED BY JERRY SEXTON		
APPROVED BY <u>DISTRICT 1 SUPERVISOR</u>	TITLE <u></u>	DATE <u>SEP 6 1983</u>
CONDITIONS OF APPROVAL, IF ANY:		

NO VACUUM ABO UT #171 WIW, No Vac Abo Fld, Lea Co, NM, Loc & rpr csg leak,
Mobil Intr 0.8691342%, No AFE = \$25 M, 12-3/4 @ 280, 8-5/8 @ 3070,
5-1/2 @ 8700.

6/21/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.

(Took over from Prod 6/20/83).

WIH w/ Baker latchin type seal assem downhole shut off valve, recpt on 2-3/8
buttress tbg, latch into Baker NB pkr @ 8529, closed downhole valve, rel
from recpt, POH w/ tbg & latch, chg rams in BOP, unload & rack 6200' 2-7/8
8RT tbg, SDFN.

COST \$11 M.

RECEIVED

6/22/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.

Start in hole w/ 5-1/2 Baker ret BP & pkr on 2-7/8 tbg, BP hung up @ 2530, work free, LD pkr, WIH w/ ret BP, 82 jts 2-7/8 tbg & stuck @ 2530, would not work free 2 hrs, rel from BP, POH w/ BP ret tool, found inside of tool packed w/ scale, SDFN.

COST \$13 M.

AUG 29 1983

*NO VACUUM ABO UT #171 WIW, No Vac Abo Fld, Lea Co, NM, Loc & rpr csg leak,
Mobil Intr 0.8691342%, AFE 3599 = \$50 M, 12-3/4 @ 280, 8-5/8 @ 3070,
5-1/2 @ 8700.

6/23/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.

WIH w/ 4-11/16 OS, 1-3/8 gpl, BS on 2-7/8 tbg, could not latch onto BP @ 2530, POH w/ OS, WIH w/ BP ret tool, BS, latch onto BP @ 2530, cont to slip off fish w/ 15,000 overpull, POH w/ ret tool, WIH w/ 4-11/16 OS, 1-13/16 gpl, BS on 2-3/8 tbg, latch onto BP, jar 40,000-25,000 overpull 3 hrs & slipped off fish, POH w/ OS, gpls worn smooth, SDFN.

COST \$16 M.

6/24/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.

WIH w/ 4-11/16 OS, 1-13/16 gpl, BS on 2-7/8 tbg, latch onto BP @ 2530, pump 30 bbls soap to BP, let set 1/2 hr, jar on fish w/ 25,000 overpull 2 hrs & OS slipped off, POH, chg gpls, WIH, same tools, latch onto BP, jar on fish 25,000 overpull 2 hrs, rel & POH w/ OS.

COST \$18 M.

6/25/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.

GIH w/ 4-3/4x3-11/16x9' CR shoe on 4 - 3-1/2 DCs & 2-7/8 tbg to 2530, mill on RBP for 2 hrs & made 9", POH, SDFN.

COST \$22 M.

6/26-27/83

GIH w/ 4-3/4x3-13/16x9' CR shoe RR, jars, 4 - 3-1/2 DCs & 2-7/8 tbg to 2530, mill 10" in 4-1/2 hrs & had torque, POH, no rec, reran same tools & mill @ 2531 made 3" in 1-1/2 hrs, SDFN & Sunday.

COST \$26 M.

*NO VACUUM ABO UT #171 WIW, No Vac Abo Fld, Lea Co, NM, Loc & rpr csg leak, Mobil Intr 0.8691342%, AFE 3599 = \$50 M, 12-3/4 @ 280, 8-5/8 @ 3070, 5-1/2 @ 8700.

6/28/83

Cont milling 2531-2532/1'5 hrs, start press up, ind down on btm BP cone, POH w/ mill, mill worn smooth, WIH w/ 4-11/16 OS, 1-13/16 gpl, BS on 2-7/8 tbg, set down on BP 2530 & pushed down to 2545, POH w/ OS, no rec, gpls marked as if being over BP fishing bar, SDFN.
COST \$28 M.

6/29/83

8700 TD, 8685 PBTB, Abo perfs 8584-8641 OA.
WIH w/ 4-11/16 OS, 1-3/4 gpl, BS on 2-3/8 Buttress tbg, push milled over BP 2545-8525 & stopped, POH w/ OS, no rec, WIH w/ 4-1/2 ODx1"ID x 3' socket, BS on 2-3/8 tbg, latch onto BP @ 8525, POH w/ socket, rec all of fish, SDFN.
COST \$31 M.

6/30/83

8700 TD, 8685 PBTB, Abo perfs 8584-8641 OA.
WIH w/ 5-1/2 HOWCO ret BP & RTTS Pkr on 2-7/8 tbg, set BP @ 4875, pkr @ 4845, press test BP 1000/ok, press test 5-1/2 csg, loc csg leak 4615-4646, set pkr @ 4585, PI leak 2 BPM @ 3500, rel pkr & ran to 4845, cap BP w/ 2x sd, POH w/ pkr, SDFN.
COST \$36 M.

7/1/83

8700 TD, 8685 PBTB, Abo perfs 8584-8641 OA.
Corr ret BP @ 4813, csg leak @ 4515-4546, WIH w/ 5-1/2 HOWCO cmt ret, 145 jts 2-7/8 tbg, set ret @ 4480, press test tbg 5000/ok, press 5-1/2 csg 1500, PI csg leak 4515-4546 - 1 BPM @ 3200, HOWCO cmt csg leak w/ 100x Class C 2% CaCl, sqz press 4500, pulled stinger out of ret, rev circ out 10x cmt, job compl @ 12:30 pm 6/30/83, POH w/ stinger, WIH w/ 4-3/4 Walker McDonald bit (SN L39599T) 6 - 3-1/2 cols on 2-7/8 work tbg to 4230, SDFN.
COST \$41 M.

7/2/83

8700 TD, 8685 PBTB, Abo perfs 8584-8641 OA.
Fin GIH w/ bit, tag cmt @ 4483, drl cmt 4483 to cmt ret @ 4488, drl ret 4 hrs, drl soft cmt from ret to 4500, circ hole clean, pulled up clear, SD, WOC.
COST \$45 M.

7/3-5/83

Drl hard cmt 4500-4902/10 hrs, circ hole clean, press test 5-1/2 csg 1000/30 min/held ok, pull up clear, SDFN & holiday.
COST \$47 M.

*NO VACUUM ABO UT #171 .W, No Vac Abo Fld, Lea Co, NM, oc & rpr csg leak, Mobil Intr 0.8691342%, AFE 3599 = \$50 M, 12-3/4 @ 280, 8-5/8 @ 3070, 5-1/2 @ 8700.

7/6/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.

SI 60 hrs CP 2200 psi, POH w/ 2-7/8 tbg, RIH w/ HOWCO 5-1/2 RTTS Pkr + 2-7/8 tbg, set pkr @ 4875, press tested 5-1/2 csg 4875-4902 w/ 2000 psi/10 min/held ok, HOWCO tested 5-1/2 csg 4875 to surf to 1000 psi leaked, isolated csg leak @ 4608 to 4623, tight spot in 5-1/2 csg @ 4614, 12,000 to 14,000# to pull thru set HOWCO 5-1/2 pkr @ 4583, attm to PI csg leak @ 4608-4623 @ 3500 psi, no success, lost 200 psi in 10 min, POH w/ pkr, BBF perf 5-1/2 csg w/ 4 jet shots 4614-4615, RIH w/ HOWCO RTTS Pkr + 2-7/8 tbg, set pkr @ 4553, attm to PI sqz hole @ 4614-4615 @ 3500 psi, no success, lost 300 psi in 10 min, well back flowing 1 GPM/4 min, SDFN.

COST \$53 M.

7/7/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.

Rel pkr & RIH to 4623, HOWCO spot 250 gal 15% DINE HCl acid, pulled pkr 4553, rev 4.5 bbls up tbg, set pkr @ 4553, worked 4 hrs breaking down leaks & sqz holes, PI @ 2 BPM @ 3500 psi, rev out w/ 50 bbls fr wtr, POH w/ pkr, RIH w/ 4-3/4 csg swedge, BS, 6 - 3-1/2 DC to 3900, SDFN.

COST \$55 M.

7/8/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.

Fin RIH w/4-3/4 csg swedge to 4614, swedged out tight spot @ 4614 in 4 hrs, POH w/2-7/8 tbg & swedge, RIH w/5-1/2 Howco cmt ret, 2-7/8 tbg, set cmt ret @ 4550, press 5-1/2 csg annulus to 800 psi, held OK, press tested 2-7/8 tbg to 5000 psi, held OK, Howco est inj rate into csg leak & sqz holes - 2 BPM @ 3500 psi, Howco sqz leaks 4608-4623 w/100 sx Class C + 2% CaCl₂, sqz press 4500 psi, (walking) Rev out 165 sx cmt, Job Compl @ 4 pm 7/7/83, POH w/46 jts 2-7/8 tbg - SDFN.

COST \$57 M.

7/9/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.

corr to 7/8/83 rpt - should be:... rev out 16x cmt...

14 hrs SICP 2300 psi, bld off press, POH w/ 2-7/8 tbg & HOWCO ret stinger, RIH w/ 5-1/2 HOWCO RTTS pkr, 2-7/8 tbg, set RTTS @ 4539 (1' above cmt top), tested 5-1/2 csg annl to 1500 psi/held ok, press pkr to 1000 psi, gained 300 psi/15 min, back fl @ 3 GPM, rel pkr, POH, RIH w/ 4-3/4 Walker McDonald bit + 2-7/8 to 2400, SDFN.

COST \$64 M.

7/10-11/83

POH w/ 4-3/4 bit, RIH w/ 4-3/4 bit, Walker McDonald (SN L40636) + 6 - 3-1/2 DCs + 2-7/8 tbg, drld 1" cmt, tagged ret, DO ret 4550-4553/4 hrs, fell thru to 4604 (wo cmt ret to 4604), soft cmt 4604-4630; 4630-4666 cmt stringers, ran bit to TOC @ 4900, POH w/ bit to 3000, checked wtr flow, fl 6 GPM, left well back fl to tank, SDFN & Sunday.

COST \$67 M.

*NO VACUUM ABO UT #171 W, No Vac Abo Fld, Lea Co, NM, Loc & rpr csg leak, Mobil Intr 0.8691342%, AFE 3599 = \$50 M, 12-3/4 @ 280, 8-5/8 @ 3070, 5-1/2 @ 8700.

7/12/83

POH w/ 2-7/8 tbg & bit, RIH w/ 5-1/2 HOWCO RTTS pkr + 2-7/8 tbg, tagged cmt @ 4903, set pkr @ 4902, press cmt tag to 1500 psi/15 min/held ok, tested 5-1/2 csg & reloc leaks in 5-1/2 csg 4610-4623, set pkr @ 4580, attmd to PI csg leak rate = 1/8 BPM @ 4000 psi, spot 250 gal 15% DINE HCl to pkr, broke down w/ spot acid, PI leaks 2 BPM @ 3900, POH w/ 2-7/8 tbg & pkr, RIH w/ 5-1/2 HOWCO cmt ret on 2-7/8 tbg to 4490, SDFN.
COST \$71 M.

7/13/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
Set HOWCO 5-1/2 cmt ret @ 4489, attmd to press test tbg-leak- pulled out of ret, dropped RCNBS, press tbg to 2000, lost 1000 psi in 2 min, POH w/ 2-7/8 tbg & HOWCO ret stinger, well started back flowing while POH - indic ret leaking, RIH w/ stinger to ret @ 4489, attmd to shift sleeve on ret - no success, prep to POH w/ 2-7/8 tbg & stinger, SDFN.
COST \$75 M.

7/14/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
POH w/ 2-7/8 tbg & ret stinger, RIH w/ stinger (adapted to open ret) to 4489, opened ret, POH w/ 2-7/8 tbg & opening stinger, RIH w/ 5-1/2 HOWCO cmt ret on 2-7/8 tbg, set ret @ 4458, press test 2-7/8 tbg to 5000 psi/held ok, displ 5-1/2 csg w/ 110 bbls fr wtr (no backflow), stung into ret, HOWCO est inj rate into leaks 4610-4623 - 2 BPM @ 3700, HOWCO sqz csg leak 4610-4623 w/ 50x Class C w/ .5 of 1% Halad 9 + 125x Class C + 2% CaCl2 w/ 140x mixed, press 4800 psi, stop mixing, started displ, pmpd 2-1/2 bbls displ, locked up, sqz press 5000 psi, POH of ret, rev out 94x cmt (1600 psi), 30x in form, job compl @ 3 pm 7/13/83, POH w/ 2-7/8 tbg & HOWCO ret stinger, SDFN & WOC.
COST \$81 M.

7/15/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
WOC past 39 hrs.
COST \$81 M.

7/16/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
WOC total 56 hrs, WIH w/ 4-3/4 Walker McDonald bit (SN L40634), 6 - 3-1/2 cols on 2-7/8 tbg, tag cmt @ 4454, drl cmt 4454-4459, drl cmt ret 4459-4461, drl hard cmt 4461-4489, drl 2nd ret 4489-4490/1' & drop 5' to 4495, DO ret & cmt 4495-4505, circ hole clean, POH w/ bit, bill dull, WIH w/ 4-3/4 Walker McDonald bit (SN 39597) on same assm to 4250, SDFN.
COST \$84 M.

7/17-18/83

Fin GIH w/ bit, drl hard cmt 4505-4614 & fell thru, ran bit to 4766, circ hole clean, press test csg 1000/30 min/held ok, pulled bit to 4100, SDFN & Sunday.
COST \$86 M.

*NO VACUUM ABO UT #171 W, No Vac Abo Fld, Lea Co, NM, Loc & rpr csg leak, Mobil Intr 0.8691342%, AFE 3599 = \$50 M, 12-3/4 @ 280, 8-5/8 @ 3070, 5-1/2 @ 8700.

7/19/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.

43 hrs SICP 1300 psi, POH w/ 2-7/8 tbg, DC & bit, RIH w/ HOWCO 5-1/2 RTTS pkr & 2-7/8 tbg to 4903, set RTTS @ 4902, press TOC to 3000 psi/15 min/held ok, tested 5-1/2 csg & found leak is from 4610-4623, csg tight @ 4614, pulled 15,000# to 20,000# to pull pkr thru tight spot, set RTTS Pkr @ 4589, attmd to PI 5-1/2 csg leaks @ 4500 psi, bled to 4250 in 10 min, RIH w/ pkr to 4623, HOWCO spot 100 gal 15% HCl acid, pulled pkr to 4589, broke down leak in 1-1/2 hrs, PI leak @ 2.5 BPM @ 4000 psi, csg comm while est pump in rate, rel pkr & reset pkr @ 4490, repress same leak, rel pkr, POH, RIH w/ 4-3/4 swedge, BS, 6 - 3-1/2 DCs. 2-7/8 tbg to 4614, swedged thru tight spot in 1 hr, swege would go thru w/ 5000# pull, POH w/ 20 jts 2-7/8 tbg, SDFN, prep to swege csg.
COST \$91 M.

7/20/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.

Swedged 5-1/2 csg @ 4614/2 hrs w/ very little drag, RIH w/ HOWCO 5-1/2 RTTS pkr, 2-7/8 tbg, tested 5-1/2 csg, found leaks between 4548-4614, set pkr @ 4548, PI leaks @ 2.5 BPM @ 4000 psi, RIH w/ HOWCO cmt ret on 2-7/8 tbg, set cmt ret @ 4425, PI leaks @ 2.5 BPM 4000 psi, HOWCO sqz 5-1/2 csg leaks 4548-4614 down 2-7/8 tbg w/ 50x Class C + .5 of 1% Halad 9 + 125x Class C Neat + 2% CaCl₂, pmpd cmt 4 BPM to .5 BPM, sqz press 5000 psi, rev out 24x cmt, job compl @ 6:30 pm 7/19/83, POH w/ 10 jts 2-7/8 tbg, SDFN & WOC until Thursday morning.
COST \$98 M.

7/21/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.

WOC past 38 hrs.

COST \$98 M.

7/22/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.

POH w/ 2-7/8 tbg & HOWCO CR stinger, GIH w/ 4-3/4 Walker-McDonald bit (SN L39383) on 6 - 3-1/2 DCs & 2-7/8 tbg, tag cmt @ 4417, DO cmt 4417-4425 & CR 4425-4428 & firm cmt 4428-4614, fell thru, ran bit to 4650, no stringers, circ clean, test 5-1/2 csg 1000#/30 min/ok, pull bit to 4330, SI&SDFN.
COST \$101 M.

7/23/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.

15 Hrs SICP 1000 psi, POH 2-7/8 tbg, DC & Bit, RIH w/5-1/2, Howco RTTS Pkr on 2-7/8 tbg, set pkr @ 4600, press csg to 1500, held OK, tbg w/flowing 1 gal/15 min, press tbg to 4500 psi, bled to 4300 in 10 min, Rel pkr & RIH to 4616, Howco spot 200 gal, 15% Dine Acid 4616 to 4416, pulled to 4600, Rev 5 Bbls up tbg, reset pkr, press csg to 1000, press tbg 4500, broke, pumped in form @ 3-3/4 BPM @ 4500 psi, bled off press, left well backflowing to wtr disposal battery, SDFN.
COST \$106 M.

*NO VACUUM ABO UT #171 WIW, No Vac Abo Fld, Lea Co, NM, Loc & rpr csg leak, Mobil Intr 0.8691342%, AFE 3599 = \$50 M, 12-3/4 @ 280, 8-5/8 @ 3070, 5-1/2 @ 8700.

7/24&25/83

POH w/2-7/8 tbg & Howco RTTS pkr, RIH w/5-1/2 Howco cmt Ret on 2-7/8 tbg & set Ret @ 4435, est inj rate into leak @ 4614 3 BPM @ 4500 psi, spot cmt to Ret, Howco sqz csg leak w/100 sxs Class C + .5 of 1% Halad 9 + 300 sx Class C + 2% CaCl₂, displaced @ 2 BPM @ 4400 psi, shutdown, press bled to 3000 psi, displaced w/10 Bbls Fr Wtr, Job Compl₁ @ 11 am 7/23/83, WOC 4 hrs, est pumpp in rate @ 1.5 Bbls @ 4600, Howco re-sqz leak @ 4614 down 2-7/8 tbg w/100 sx Class C + .5 of 1% Halad 9 + 300 sxs, Class C, 2% CaCl₂, dispalce 2 BPM to 1/4 BPM, walking sqz to 5500 psi, Rev out 85 sxs, Job Compl @ 4:15 pm 7/23/83, POH w/10 jts, 2-7/8 tbg, SDFN & Sunday.
COST 114 M.

7/26/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.
40 Hrs SI, csg PO, POH w/cmt Ret stinger, WIH w/4-3/4 Walker McDonald Bit (SN L39528) 6 - 3-1/2 Cols on 2-7/8 tbg, drl cmt 4429 to Ret @ 4435, Drl Ret 2-1/2 hrs, drl hard cmt 4436-4436 & fell thru, ran bit to 4666, circ hole clean, press test 5-1/2 csg 1000 - 30 min, held OK, pulled 10 jts tbg, SDFN
COST \$117 M.

7/27/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.
14 hr SI well press 500, POH w/ bit, WIH w/ 5-1/2 HOWCO RTTS pkr on 2-7/8 tbg, set pkr @ 4708, press test cmt top @ 4903, 4200 psi/15 min held ok, reset pkr @ 4584, press test csg leak 4614 - 4500 psi, leaked to 4300/5 min, rel press, well back fl 1 gal/15 min, rel & ran pkr to 4646, spotted 84 gals 15% DINE HCl acid 4646-4562, pulled pkr to 4553, rev circ 5 bbls, set pkr @ 4553, press csg 1500, press tbg 4000 & start taking fluid, PI 1 BPM @ 4000, rel & POH w/ pkr, leaving 5-1/2' long x 1/2" wide tapered 1"x3/8" thick pkr drag spring in hole, WIH 4-3/4 swage, BS, 6 - 3-1/2 cols on 2-7/8 tbg to 4614 set 20,000 wt down on tight place & 30,000 to pull out, pulled 10 jts tbg, SDFN.
COST \$125 M.

7/28/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.
Fin POH w/ csg swage, WIH w/ same swage, BS, jars, 6 - 3-1/2 cols on 2-7/8 tbg, work swage thru tight place in 5-1/2 csg @ 4614, took sl wt to work thru last few times, let set 1 hr, ran back thru ok, POH w/ swage, WIH w/ cmt ret 145 jts tbg to 4498, well back flowing 1 gal/min to btry overnight, SDFN.
COST \$127 M.

7/29/83

8700 TD, 8685 PBDT, Abo perfs 8584-8641 OA.
Set 5-1/2 cmt ret @ 4495, HOWCO press 5-1/2 csg 15 min, estb inj rate down tbg into csg leak @ 4614 - 1 BPM @ 4000, cmt sqz leak w/ 100x Class C .5 of 1% Halad 9, 400x Thix-set cmt, 2% CaCl, tailin w/ 50x Class C cmt 2% CaCl 5# sd/x final sqz press 5500, pulled out of ret, rev circ out 16x cmt, job compl @ 11:15 am, POH w/ stinger, SDFN & WOC until Monday morning.
COST \$135 M.

*NO VACUUM ABO UT #171 N, No Vac Abo Fld, Lea Co, NM, & rpr csg leak,
Mobil Intr 0.8691342%, AFE 3599 = \$50 M, 12-3/4 @ 280, 8-5/8 @ 3070,
5-1/2 @ 8700.

7/30-8/1/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.

WOC.

COST \$135 M.

8/2/83

92 hr WOC, WIH w/ 4-3/4 Walker McDonald bit (SN L44136) 6 - 3-1/2 cols on
2-7/8 tbg, tag cmt @ 4488, drl cmt 4488 to cmt ret @ 4495, DO ret 4495-4496/1',
bit plugged, POH w/ bit, found bit full of rubber & brass, WIH w/ new 4-3/4
Walker McDonald bit (SN 40260) on same assm, fin drlg cmt ret 4495-4496, drl
hard cmt 4496-4566, circ hole clean, pulled up clear, SDFN.
COST \$142 M.

8/3/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.

14 Hrs SITP 0, RIH w/bit to 4566, DO hard cmt 4566 to 4614 (tight spot in csg)
fell thru 1' to 4615', clean out stringer 4615 to 4664, ran bit to 4693, circ
hole clean, POH w/bit to 4425, press 5-1/2 csg to 1000 psi, 1 hr, held ok,
bled off press, left well open 1 hr, no flow, SDFN.
COST \$144 M.

8/4/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.

18 Hrs SI well PO open well flowing 1 pt fluid 3/4 hrs, ran bit to 4903, clean
out 1 ft cmt to Howco pkr, drag spring @ 4904, circ hole clean, POH w/bit,
SDF Ut repair.
COST \$146 M.

8/5/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.

WIH w/4-3/4 OD x 3-3/4 ID x 4' Cut Rite Shoe & 3-1/2 junk basket on 2-7/8 tbg
to 4903, milled out 4903-4906, 1/2 hr, POH w/shoe, Rec pkr drag spring & 1'
cmt core, WIH w/4-3/4 Walker McDonald Rerun Tooth Type Bit 6 - 3-1/2 Cols on
2-7/8 tbg, Drl hard cmt 4906-5039, 4 hrs, circ hole clean, pulled up clean,
SDFN.
COST \$150 M.

8/6/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.

Ran bit back down to 5030, D/O hard cmt 5030 to 5291 & tag RBP & circ clean,
tab RBP again & it had gone down hole to 5380, POH, GIH w/ret head on 2-3/8
buttress tbg & latch on RBP @ 4614, POH w/RBP, SDFN.
COST \$152 M.

8/7&8/83

GIH w/DCs & 2-7/8 tbg work string & pull & LD same, GIH w/top half of Baker
on-off tool on 2-3/8 buttress tbg to 3870, SDFN & Sun.
COST \$154 M.

*NO VACUUM ABO UT #171 WIW, No Vac Abo Fld, Lea Co, NM, Loc & rpr csg leak, Mobil Intr 0.8691342%, AFE 3599 = \$50 M, 12-3/4 @ 280, 8-5/8 @ 3070, 5-1/2 @ 8700.

8/9/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
Fin GIH w/ Baker Recpt on 274 jts 2-3/8 N80 Buttress tbg, 24' 2-3/8 Buttress subs, latched onto recpt @ 8525 w/ downhole shut off valve @ 8527, unlatch seal assm from Baker NB pkr @ 8529, displ 5-1/2 csg w/ 170 bbls fr wtr containing 1 drum Champion R2264, latch into pkr, ND BOP, NU inj head, press test 5-1/2 csg 500, 30 min/held ok, notified NM OCD, Hobbs office, & job witnessed by David Catnoch, rel Permian WS Ut, turned well to Prod @ 4 pm 8/8/83, open annl valve, no flowback 1 hr.
COST \$158 M.

8/9/83

Prep to connect & put on inj.

8/10/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
Open up for inj 8/9/83, zero inj rate, TP 4500, CP 150.
COST \$158 M.

8/11/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
Backflow tbg 10 BW/10 min, TP 450-850, start inj @ 115 BWPD, TP 1500, CP 180, inj 6 hrs, TP buildup to 4500, no inj rate, SI, prep to backflow.
COST \$158 M.

8/12/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
Start backflowing well 8/11/83 @ 9 BWPH.
COST \$158 M.

8/13/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
Backflow 24 hrs approx 120 BW, TP 0, start inj 8/12/83 @ 110 BWPD, TP 0, CP 175.

8/14/83

Inj 96 BW/24 hrs, TP 1450, CP 200

8/15/83

Inj 102 BW/24 hrs, TP 1800, CP 300.
COST \$158 M.

8/16/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
Inj 14 BW/24 hrs, TP 4500, CP 450.
COST \$158 M.

8/17/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
Inj 0 BW/24 hrs, TP 4500, CP 450.
COST \$158 M.

*NO VACUUM ABO UT #171 WIW, No Vac Abo Fld, Lea Co, NM, Loc & rpr csg leak,
Mobil Intr 0.8691342%, AFE 3599 = \$50 M, 12-3/4 @ 280, 8-5/8 @ 3070,
5-1/2 @ 8700.

8/18/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
Inj 0 BW/24 hrs, TP 4500, CP 450.
COST \$158M

8/19/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
Backflowed tbg 120 BW/20 hrs, TP 4500 to 0, Western Co acidized Abo
perfs 8584-8641 down 2-3/8 tbg w/3000 gals 15% Ne Fe HCl acid fl w/48
bbls fresh wtr, AIR 3-1/2 BPM, max treating press 5800#, ISIP 3500, SI
1 hr TP 700#, backflowed 120 BLW/2 hrs, started inj 8/18/83 @ 150 BWPD,
TP 0, CP 460.
COST \$160M

8/20/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
Inj 124 BW/24 hrs, TP 1650, CP 425.

8/21/83

Inj 119 BW/24 hrs, TP 2100, CP 425.

8/22/83

Inj 113 BW/24 hrs, TP 2400, CP 425.
COST \$158M

8/23/83

8700 TD, 8685 PBTD, Abo perfs 8584-8641 OA.
FINAL INJECTION TEST: Inj 108 BW/24 hrs, TP 2600, CP 425, Compl 8/18/83.
FINAL REPORT.
COST \$160M