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NEW MEXICO OIL CONSERVATION COMMISSION

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

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p align="center"><small>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)</small></p>		<p>5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/></p> <p>5. State Oil & Gas Lease No.</p>
<p>1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-</p>		<p>7. Unit Agreement Name</p>
<p>2. Name of Operator IMPERIAL AMERICAN MANAGEMENT COMPANY</p>		<p>8. Farm or Lease Name Bunin</p>
<p>3. Address of Operator 215 Mid America Building, Midland, Texas 79701</p>		<p>9. Well No. 1</p>
<p>4. Location of Well UNIT LETTER D 660 FEET FROM THE North LINE AND 660 FEET FROM West LINE, SECTION 18 TOWNSHIP 21S RANGE 38E NMPM.</p>		<p>10. Field and Pool, or Wildcat Undesignated</p>
<p>15. Elevation (Show whether DF, RT, GR, etc.) 3469 GR</p>		<p>12. County Lea</p>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Status Report

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.

See attached well completion summary. Well not economic to produce, T/A 1-26-69.

Expires 11/1/75

The ownership of this property is in reorganization under Chapter X of the Federal Bankruptcy Act. The Trustee of the corporation has not been able to provide funds for the necessary examination of work-over potential. It is anticipated that the company's reorganization will be complete in the latter quarter of 1975 and that funds will then be available to examine the property for workover possibilities and to perform the workover if justified. We request that adequate time be given for this contingency prior to the forced plugging and abandonment of the well. The lease is being held by production from the **Bunin** Well No.5, and there is no danger of losing the lease.

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

SIGNED [Signature] TITLE Agent DATE 10-26-74

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

14 October 68

660 FNL & 660 FWL, Sec. 18, T-21-S, R-38-E, Lea County, New Mexico. Objective is to test the Abo @ 7,300'. Drilling Contractor is JOHNN DRILLING COMPANY. RU will spid sometime today.

15 October 68

TD @ 850' in redbed. DEV 3/4 deg. 850' - 3/4 deg. RU & spudded @ 4 PM 10-15-68. Drilled a 13-3/4" hole to 850'. Finished @ 3:30 AM 10-16-68. Cond. hole 1-1/2 hrs. Pulled out and ran 10-3/4 csg.

16 October 68

Drilling @ 1218' in redbed. DEV 3/4 deg @ 1127'. Ran 27 jts (10-3/4" csg.) Set & cmt @ 850'. Cmt w/300 sx Class C w/4% gel, 2% CaCl₂ + 1/4# flocele/sk. 100 sx Class C w/2% CaCl₂ & 1/4# flocele/sk. Plud down at 10 AM 10-16-68. WOC 18 hrs. Press 800# for 30 mins. Held OK. Drilled plug & cmt @ 3 AM on bottom drilling formation @ 4 AM 10-17-68. Drilling ahead.

17 October 68

Drilling @ 1860' in anhy & salt. DEV 1/2 deg @ 1324'; 3/4 deg @ 1815'. Drilling ahead.

18 October 68

Trip @ 2640' in anhy & salt. DEV 1/2 deg @ 2067'; 3/4 deg. @ 2317'. Pulling Bit #2.

19 October 68

Drilling @ 3150' in lm. DEV 1-1/4 deg @ 2640'; 1/2 deg @ 2849';

20 October 68

Drilling @ 3507' in lm. DEV 1-1/2 deg @ 3020'; 1/2 deg @ 3346'.

21 October 68

Drilling @ 3840' in lm. DEV 1 deg @ 3677'. Drilling ahead.

22 October 68

Drilling @ 4095' in lm. DEV 1 deg @ 4077'. Drilling ahead.

23 October 68

Trip @ 4347' in lm. MW 9.8; Vis 31; 2/32 FC. Pulling Bit #6. Added 40 sx of gel and 140 BO.

24 October 68

Drilling @ 4685' in lm. DEV 3/4 degs @ 4336'. MW 9.9; Vis 31. FC 2/32

25 October 68

Drilling @ 4990' in lm. DEV 1-1/4 degs @ 4876'. MW 10.1; Vis 30; FC 2/32

26 October 68

Trip @ 5367' in lm. DEV 3/4 degs @ 5367'. MW 10.1; Vis 31; FC 2/32

27 October 68

Trip @ 5600' in lm. MW 10.1; Vis 31; 2/32 FC. Pulling Bit #9.

28 October 68

Drilling @ 5862' in lm. DEV 3/4 degs @ 5578'. MW 10; Vis 31; FC 2/32

29 October 68

Drilling @ 6114' in lm. DEV 1 deg @ 5914'. MW 10; Vis 31; FC 2/32. Drilling ahead.

30 October 68

Drilling @ 6368' in lm. DEV 1 deg @ 6245'. MW 10; Vis 32; 2/32 FC.

31 October 68

Drilling @ 6090' in sd & lm. DEV 3/4 degs @ 5715'. Drilling w/brine.

1 November 68

Trip @ 6761' in lm. DEV 1 deg @ 6761'. MW 10.1; Vis 31;

2 November 68

Drilling @ 6934' in lm. MW 10.1; Vis 31.

3 November 68

Drilling @ 7084' in dolo. DEV 1-1/4 degs @ 6949'. MW 10.1 Vis 34
WL 26. FC 2/32

4 November 68

Trip @ 7217' in lm & sh. MW 10.1; Vis 34; WL 25. FC 2/32. Pulling Bit #15.

5 November 68

Drilling @ 7357' in lm. Vis 34; MW 10.1; WL 25. FC 2/32

6 November 68

TD @ 7387' in lm. DEV 1-1/4 degs @ 7378'. Finished 9-7/8" hole @ 1:45 PM 10-6-68. Cond. hole 3 hrs. Pulled out & Dresser Atlas ran logs. Went back into the hole and cond. hole and started laying down drill pipe. WOO.

7 November 68

WO cmt. TD @ 7389'. Laid down drill pipe. Ran 7-5/8" csg as follows: Bottom up. 40 jts, 33.70#, LT&C (shoe jt 32.15') 7-5/8" csg. @ 1685.94'; 82 jts, 29.70#, LT&C, 7-5/8" csg @ 3422.96'; 57 jts, 33.70#, LT&C 7-5/8" csg @ 2356.06'. Total 7464.96'. Cmted @ 7389' w/450 sx Class C + 8% gel and 450 sx Class C + 2% gel, 3.3# salt/sk, 8# #3 sd/sk and 5/10 of 1% CFR-2. Pmpd 125 bbls brine wtr & 500 gals mud flush ahead of cmt. Hadcirc throughout job. Pmpd plug down w/brine wtr. Plug down @ 11:00 PM 11-7-68.

8 November 68

No report

9 November 68

No report

10 November 68

No report

11 November 68

WO Comp.

12 November 68

WO Comp.

13 November 68

RU LOWS unit. Installed BOP.

14 November 68

Western Company ran GR-N logs & perf. Abo formation. Perf. 23 .43" holes; 1 at each of the following: 7339', 32', 27', 24', 20', 13', 04', 7295', 86', 82', 74', 70', 60', 49', 40', 26', 22', 16', 12', 7199', 90', 82', 78', & 7173'.

15 November 68

Straddled perfs 7339' to 7173' Abo formation. Set RBP @ 7349'. Spotted 250 gals of 15% acid over perfs. Broke formation @ 3300#. Set pkr @ 7160'. Acidized w/8000 gals of 15% acid; 6000 gals of 28% acid and 30,000 gals treated wtr. using 36 ball sealers. Good ball action. Max. treating press 6200#; Min. treating press 5600#; Avg inj rate 12.6 BPM. ISIP 4900#, 15 mins 4350#. Total load to rec. 1186 bbls. Swbd and flwd Abo formation and rec 219 BLW/12 hrs. Last 54 BLW, 2% oil.

16 November 68

Swbd back 76 BLW; 2% oil. FL 1000' FS. Well swbd down. SI overnight.

17 November 68

Perforated Drinkard formation 16 .43" holes; 1 each at following depths: 7014', 01', 6999', 76', 66', 41', 34', 26', 17', 6895', 86', 64', 54', 42', 37', 6831'. Straddled perfs 6831' to 7014' Drinkard formation. Set RBP @ 7050'. Spotted 250 gals of 15% acid over perfs. Broke formation @ 3400#. Set pkr @ 6780'. Acidized w/1500 gals of 15% acid using 25 ball sealers. Good ball action. Balled out. Max. treating press 5400#; Min. treating press. 2400#; Avg. Inj. rate 3.1 BPM. ISIP 2300#; 5 mins 2100#. Total load to rec 179 bbls. Swbd and flwd Drinkard formation and rec 172 BLW/10 hrs.

18 November 68

Straddled perfs. 6831-7014' of Drinkard formation. Frac. w/40,000 gals of gelled brine & 12,500# 20-40 sd. Max press 6400#; min. Press 5300# avg. inj. rate 19 BPM. ISIP 3900#; 15 min 2000#. Total load 1106 bbls. Blwd & Swbd Drinkard formation and rec. 428 BLW/15 hr. last 170 bbls. cut 15% O.

19 November 68

Perf. Drinkard formation. Perforated 13 .43" holes; 1 each at following depths: 6788', 78', 68', 58', 33', 16', 10', 6696', 6677', 65', 60', 55', 6650'. Straddled perfs 6650' to 6788' of Drinkard formation. Set RBP @ 6814'. Spotted 250 gals of DS-30 acid over perfs. Broke formation at 3500#. Set pkr @ 6621'. Acidized w/1500 gals. of DS-30 acid using 15 ball sealers. Fair ball action. Max treating press. 4100#; Min. treating press 3100#; Avg. inj. rate 9.1 BPM. ISIP 2200#; 5 min 1900#. Straddled perfs 6650' to 6788' Drinkard formation. Fracked w/40,000 gals gelled mod. brine and 27,500# 20-40-sd. Max. treating press. 5400#; Min. treating press 5000#; Avg. Inj. rate 26.5 BPM. ISIP 2300#; 15 mins 2050#. Total load to rec 1151 bbls. Swbd and flwd Drinkard and rec 440 BLW/16 hrs. at the rate of 30 to 35 BFPH.

20 November 68

Moved RBP & re-set @ 7152'. RU Western tbq gun and Perf. Group B (Abo formation) 7 .43" holes; 1 each at following depths: 7145', 38', 35', 19', 12', 08', 7101'. Spotted 250 gals 15% DS-30. Set RTTS @ 7070'. Broke formation @ 5700#. Acidized perfs from 7101'-7145' w/2000 gals 15% DS-30; 1000 gals 28% DS-30 and 2500 gals treated wtr using 12 ball sealers. Good ball action. Max. press 6400#; Min. press. 4800#; Avg. inj. rate 5.1 BPM. Communicated to upper perfs. Discontinued acid treatment. Released pkr. Flwd back 100 BL&AW. Moved RTTS & re-set @ 6600'. Started swbg Blinebry perfs. @ 2 AM 11-21-68. Swbd 102 BLW/5 hrs. FL 1800' FS.

21 November 68

Swbd 384 BLW/24 hrs., w/trace of oil. FL 800' from bottom. Swbd rate of 14 BPH.

22 November 68

Swbd 213 BW/24 hrs., 2% oil. FL 800' from bottom.

23 November 68

Washed sd off of RBP. Moved RBP to 7020'; RTTS to 6800'. Straddled perfs 6831'-7014'. Swbd 122 BW/12 hrs., 2% oil. FL 800' in hole.

24 November 68

SD

25 November 68

COH w/tbg, RTTS & RBP. Plugged back w/200' of pea gravel from 7350' to 7150'.

26 November 68

Dumped 2 sx 20-40 frac. sd on top of pea gravel. Ran Halliburton E-Z drill retainer on Western wireline. Set @ 7065'. Started in hole w/3-1/2" tbq & stinger to set in retainer.

27 November 68

Finished running 3-1/2" tbq & stinger. Set down in E-Z drill retainer @ 7065'. Squeezed perfs from 7101' to 7145' w/50 sx Class "C", 2% gel; 3.3# salt; 5/10 of 1% CFR-2/sk. Max. press 2600#. Pulled 3-1/2" tbq. WOC.

28 November 68

WOC

29 November 68

Ran Halliburton cmt retainer on 3" EUE tbq. Set retainer @ 6609'. Squeezed w/200 sx Class C cmt w/2% gel, 5/10 of 1% CFR-2 and 3.3# salt/sk. Break down press 1200#. Max. press 3600#. Final squeeze press 2600#. Pulled out cmt retainer and back washed. Then pulled tbq. Now prep to run 6-5/8" bit, csg. scrapper and 4 drill collars to drill out cmt.

30 November 68

Ran 6-5/8" bit, csg scrapper & 4 drill collars on 3" EUE tbg. RU reverse circulating unit. Drilled out Halliburton cmt retainer @ 6609'. Now drilling hard cmt @ 6650'.

1 Dec 68

Drilling hard cmt down to top of cmt retainer @ 7065'. Pressure tested 7-5/8" csg to 1050#. Pressure fell off @ 225# in 20 mins. Now drilling out cmt retainer @ 7071'.

2 Dec 68

Finished retainer @ 7071'. Drilled 20' cmt, circ out pea gravel to depth of 7232'. Trip to remove csg. scraper and change bit.

3 Dec 68

WIH w/6-5/8" bit, 4 drill collars and 3-1/2" tbg. Circ pea gravel to 7350. Drilled float collar and guide shoe. Drilled 6-5/8" hole to 7400'. Circ. and cond. hole 1 hr. Pulled out of hole. Laid down 6-5/8" bit & drill collars. Drilling time in new hole 10 mins/ft.

4 Dec 68

Ran Western Company GR-N log from 7414' to 7200'. Perf. Abo formation 8 .43" holes: 1 at each of the following: 7388', 85', 83', 76', 74', 61', 59', & 7357'. Perf. Tubb formation 23 .43" holes; 1 at each of the following: 6676', 68', 60', 54', 50', 44', 34', 30', 22', 14', 08', 6598', 95', 83', 81', 69', 67', 64', 56', 44', 33', 22', & 6514'. Ran 3-1/2" tbg, RTTS & RBP. Prep to acidize.

5 Dec 68

Set RBP @ 6685'. Spotted 250 gals 15% DS-30. Set RTTS A 6492'. Straddled perfs 6514' to 6676'. Acidized w/3000 gals 15% DS-30 using 40 ball sealers. Good ball action. Break down press 3300#; Max press 3300#; Min 2700#; Avg. inj. rate 4 BPM. ISIP 2000#; 5 mins 1850#; 15 mins 1700#. Total load to rec. 141 barrels Swbd and rec 230 BF/19 hrs, 90 to 95% wtr. FL 400 to 700' in hole.

6 Dec 68

Swbd 6 hrs, rec 18 BF, 95% formation water. Total rec. from last treatment 248 bbls. Pulled RTTS, RBP & 3-1/2" tbg. RU Western Company wireline. Set CIBP @ 6685'. Set Halliburton squeeze retainer @ 6501'. Ran 3-1/2" tbg. Set into retainer. Squeezed perfs 6514' to 6676' w/200 sx Class "C" cmt, 2% gel, 3/4 of 1% CFR-2 + 3.3# salt per sack. Pmpd into formation @ 1400#. Max. press 2600#. Picked up and reversed 1 barrel cmt. Pulled 3-1/2" tbg. from hole. WOC

7 Dec 68

Ran 3-1/2" tbg, 6-5/8" bit, csg scraper and 4 6" drill collars. Prep to drill out retainers and cmt.

8 Dec 68

Started drilling cmt retainer @ 6501'. Drilled hard cmt to 6685'. Drilled CIBP. COOH w/3-1/2" tbg. to remove csg. scraper.

9 Dec 68

WIH w/3-1/2" tbg, 6-5/8" bit and 4 drill collars. Drilled CIBP @ 6710'.

10 Dec 68

Drilled cmt to 6824'. Ran 3-1/2" tbg. to 7414'. Circ. 1 hour. Pulled out of hole and laid down bit and 4 drill collars. RU Western Company csg. gun and perf. Group F, Blinbry perfs 1 at each of the following depths: 6431', 23', 12', 03', 6400', 6393', 82', 76', 70', 61', 52', 6322', 20', 15', 03', 6291', 87', 76', & 6269'. Running 3-1/2" tbg, RTTS & RBP.

11 Dec 68

Set RBP @ 6450'. Spotted 200 gals DS-30. Straddled perfs 6352' to 6431'. Set pkr @ 6335'. Acidized w/1000 gals 15% DS-30 using 8 ball sealers. Break down press. 1600#. Good ball action. Max. press 2100#; Min. press 1900#; Avg. inj. rate 5.1 BPM. Established communication between perfs. ISIP 1500#; 5 mins 1300#; 15 mins 1200#. Re-set RTTS @ 6241'. Straddled perfs 6431' to 6269'. Acidized w/1000 gals 15% DS-30 using 16 ball sealers. Poor ball action. Max. press 2100#; Min. press 2000#; Avg. inj. rate 5.6 BPM. ISIP 1300#, 5 mins 1250#; 15 mins 1200#. Total load 103 bbls. Swbd 165 BLW/17 hours. Slight trace of oil and small amount of gas after each run. FL 400' from bottom.

12 Dec 68

Swbd 3" tbg/8 hours. Rec 43 bbls of salt water and trace of oil. Set RBP @ 6450'. Set RTTS @ 6241'. Fracked Blinebry perfs 6269' to 6431' w/40,000 gals mud brine and 60,000# 20-40 sd using 12 ball sealers. Had good ball action. Max. press 3300#; Min. press 3000#; Avg. inj. rate 23.3 BPM. ISDP 1300#, 5 mins 1300#, 15 mins 1300#. Total load 1030 bbls. SI 3 hours. Flwd 510 BLW/7 hours back to tanks. Prep to perf. Group G perfs. Lack 520 BLW.

13 Dec 68

Circ. 19' of sd off BP. Re-set RBP. Re-set RBP @ 6249'. Western Company perf. Group G (Blinebry) 18 .43" holes - 6234', 29', 21', 13', 07', 6184', 88', 81', 74', 67', 6158', 54', 45', 32', 22', 16', 07', 6098'. Spotted 200 gals 15% DS-30 acid. Set RTTS @ 6200'. Established communication immediately. Re-set RTTS @ 6055'. Straddled perfs 6098' to 6234'. Acidized w/2250 gals 15% DS-30. Fracked w/40,000 gals gelled mod. brine + 60,000# 20-40 sd using 12 ball sealers. Good ball action. Max. press 3600#; Min. press 2800#; Avg. inj. rate 23.6 BPM. ISIP 1700#, 15 mins 1700#. Total load this treatment - 1136 bbls. Flwd back to tanks 490 BLW. Lack 646 BLW from this treatment.

14 Dec 68

Circ. 8' sd off RBP. Re-set RBP @ 6090'. Western Company perf. Group H (Bl.) as follows: 14 .43" holes - 6073', 68', 60', 55', 49', 40', 34', 27', 17', 07', 03', 5988', 82', and 5976'. Spotted 200 gals 15% DS-30. Set RTTS @ 6022'. Established communication immediately. Re-set RTTS @ 5945'. Straddled perfs 5976' to 6073'. Acidized w/2000 gals 15% DS-30. Fracked w/40,000 gals mod. brine + 60,000# 20-40 sd using 8 ball sealers. Good ball action. Max. press 3600#, Min. press 2600#; Avg. inj. rate 22.4 BPM. ISIP 1800#, 15 mins 1800#. Total load this treatment - 1133 bbls. Flowed back 520 bbls. Lack 613 BLW this treatment. Total load to rec all Blinebry treatments - 1779'. Prep to swab all Blinebry perfs.

15 Dec 68

Circ. 12' sd off RBP. Re-set RBP @ 6450'. Set RTTS @ 5945'. Swbd 3-1/2" tbg. 19 hours. Rec. 603 BLW. Swbg 20 BFPH. FL 4000' FS. No shows of oil or gas. Lack 1176 BLW.

16 Dec 68

Swbd 24 hours and recovered 579 BLW, slight show of oil and small amount of gas. FL 4000' FS. Load left to recover 338 BLW.

17 Dec 68

Swbd 24 hours and recovered 440 BLW. Now swbg 17 BFPH. Cut 2% oil, good show of gas. FL 4500' FS. Lack 98 BLW.

18 Dec 68

Swbd 8 hours and rec. 136 BF, sma-1 amount of gas and slight show of oil. Released RTTS and set @ 6250'. Started swbg. Had communication between perfs. Discontinued swbg. Released and re-set RTTS @ 5945'. Swbd 16 hrs and rec. additional 260 BF, slight show of oil and small amount of gas.

19 Dec 68

Swbd 7 hours and rec 71 BLW. Moved and re-set RBP @ 6090'. Straddled perfs 5976' to 6073'. Set RTTS @ 5945'. Swbd 17 hrs and rec. 369 BLW. FL 4000' FS. Swbg 18 BFPH, slight show of gas.

20 Dec 68

Moved and re-set RBP @ 6530' and set RTTS @ 5800'.

21 Dec 68

Western Company ran differential temp. survey. Survey indicates FL entry into all Blinebry perfs.

22 Dec 68

Pulled out of hole w/3-1/2" tbg, RTTS and RBP. Set CIBP @ 6440'. Set retainer @ 5900'. Ran 3-1/2" tbg. Set into squeeze retainer. Pmpd into Blinebry perfs 6 BPM @ 800#. Squeezed Blinebry perfs. 5976' to 6431' w/300 sx Class 'C' cmt, 2% gel, 3.3# salt and 5/10 of 1% CFR-2.

23 Dec 68

Re-squeezed Blinebry perfs from 5976' to 6431' w/200 sx Class 'C' cmt., 2% gel, 3.3# salt and 5/10 of 1% CFR-2. Final squeeze press. 4500#. Reversed out approximately 20 sx cmt. Pulled 3-1/2" tbg and Halliburton setting tool. SD for Holiday.

24 Dec 68

SD for Holiday

25 Dec 68

SD for Holiday

26 Dec 68

Picked up 6-5/8" bit, 4 drill collars and 3-1/2" tbg. Drilled cmt retainer @ 5900'. Drilling cmt @ 6353'.

27 Dec 68

Drilled cmt to 6435'. Pressured csg. up to 1000# for 30 mins. Held OK. Drilled CIBP @ 6440'. Circ. and cleaned out to TD of 7415'. COOH and picked up csg. scraper. WIH to 7350'. COOH, left 4-3/4" drill collars, csg. scraper and bit in hole. Prep to GIH w/fishing tool.

28 Dec 68

Screwed into fish. COOH laid down drill collars, csg. scraper and bit. Ran 3-1/2" tbg and RTTS to 7391'. Spotted 200 gals 15% DS-30. Set RTTS @ 7350'. Broke down perfs 7357' to 7388' and open hole @ 7391' to 7415'. Acidized w/1500 gals 15% DS-30. After 600 gals pmpd established communication w/upper perfs. Re-set RTTS @ 7050'. Continued acidizing. Avg. inj. rate 10 BPM. Max. press 5500#; Started frac. job. Started sd 1/4#/gal. When sd hit formation. Pressure increased from 5500# to 6000#. Avg. inj. rate 1/2 BPM. Due to extreme low inj. rate, frac. job discontinued. Released RTTS and reversed sd from tbg. Total load this treatment 196 BLW.

29 Dec 68

COOH w/tbg. & pkr. Ran tbg w/1 drill collar and 6-5/8" bit. Reversed out sd. to TD of 7415'. COOH, laid down drill collar and bit. Ran tbg w/RTTS & 1 jt of tailpipe. Set RTTS @ 7050'. RU and swbd tbg./6 hrs. Rec. 50 BW, no show of oil or gas. Approximately 1000' fluid in hole. Prep to acidize Abo formation.

30 Dec 68

Set RTTS @ 7050'. Acidized Abo perms in hole from 7101 - TD to 7415'. In the following manner: 1000 gals 15% acid; 7000 gals gel brine pad; 2000 gals 28% acid; 2000 gals 15% acid; 4000 gals treated fresh wtr and 1000# rock salt in 1000 gals saturated brine. Then 1000 gals 15% acid; 7000 gals gel brine pad; 2000 gals 28% acid; 2000 gals 15% acid; 3000 gals 15% acid; 3000 gals treated fresh wtr. At this point established communication. Re-set RTTS @ 6957'. Pressured annulus to 800#. Established inj. rate and pressure w/30 bbls. treated wtr.; 3000# rock salt in 1000 gals saturated brine; 1000 gals 15% acid; 6000 gals gel brine pad. At this point established communication SD pumps. Reversed circ. hole w/clean 1/2 brine and 1/2 fresh wtr. Max. press 6900#; Avg. press 6400#; Avg. inj. rate 12 BPM. Total load 864 bbls. Re-set RTTS @ 6810'. Swbd 13 hrs and rec 206 BLW. Lack 450 BLW.

31 Dec 68

No report.

1 Jan 69

No report.

2 Jan 69

Swbd 24 hrs and rec. 166 BLW, w/tr of oil. Lack 420 BLW. Swbg 4 BFPH.

3 Jan 69

Swbd 24 hrs and rec. 116 BLW. Lack 304 BLW. Swbg 3 to 4 BFPH w/tr of oil.

4 Jan 69

Swbd 6 hrs and rec. 23 BLW w/tr of oil. Lack 281 BLW. Pulled RTTS & tbg. WIH w/6-5/8" bit, 6 4-3/4" drill collars on 3-1/2" tbg.

5 Jan 69

Set down on tight place in csg. @ 7173'. COOH. Ran 6-1/4" bit and set down on tight place @ 7173'. Prep to run csg. swage.

6 Jan 69

Ran 5-7/8" casing swage. Swaged out csg. from 7173' to 7177'. Ran swage to bottom of 7-5/8" csg. COOH. SD overnight.

7 Jan 69

Ran 6-11/16" csg. swage to 7173'. Swaged several tight places in csg. down to 7391'. COOH, left swage in hole. Prep to fish swage.

8 Jan 69

COOH w/6-11/16" csg. swage. Ran 6-1/4" bit, 6 4-3/4" drill collars on 3-1/2" csg. to 4000". SD due to high winds.

9 Jan 69

Finished GIH w/bit & drill collar. Drilled @ 7538'.

10 Jan 69

Drilled @ 6-1/4" hole to 7538'. Spotted 250 gals 15% NELST acid in open hole @ 7391' - 7538'. Pulled 12 stands tbg.

11 Jan 69

Finished pulling tbg., drill collars & bit. Spotted 2500# of 20-40 frac. sd. from 7538' to 7300'. GIH W/RTTS tool.

12 Jan 69

Finished GIH. Set RTTS @ 6745'. Squeezed perms 6758' to 7295', Abo formation w/200 sx Class 'C', 2% Gel, 3.3# salt/sk and 1/2 of 1% CFR-2. Pmpd 4 BPM @ 3000#. Final squeeze press 5000#. Pulled tbg. & RTTS. WOC.

13 Jan 69

Ran 6-1/4" bit, 4 4-3/4" drill collars on 3-1/2" tbg. Prep to drill out cmt.

14 Jan 69

Drilled out hard cmt from 6745' to 7035'. Drilling on cmt.

15 Jan 69

Rig SD for repairs to mud pump @ 7035'.

16 Jan 69

Drilled out hard cmt to 7180'. Hole started taking fluid. COOH W/tbg., drill collars & bit. WIH w/RTTS on tbg. Set RTTS @ 6680'. Squeezed w/200 sx Class 'C' cmt. Pmpd 4 BPM @ 3000#. Finished standing squeeze press. 5000#. Pulled 20 stands. SD overnight.

17 Jan 69

Finished pulling tbg. & RTTS. Ran tbg w/4 4-3/4" drill collars & 6-1/4" bit.

18 Jan 69

Drilled out cmt to 7300'. Tested csg. Held OK. Circ. out frac sd down to 7538'. COOH W/tbg. Laid down drill collar & bit.

19 Jan 69

Ran 3-1/2" tbg. w/RTTS & 400' tailpipe to 7538'. Spotted 250 gals 15% NE acid in open hole from 7391' to 7538'. Pulled tbg. & tailpipe to 7412'. Set RTTS @ 7009'. Acidized w/1250 gals 15% NE acid. Pmpd into formation W 1/2 BPM w/2700#. Increased inj. rate 2.7 BPM @ 3800#. Max. press 4500#. Avg. treating press 4400#; avg. inj. rate 3 BPM. ISDP 4400#, 15 mins 3500#. Total load 106 bbls. Started swbg. Rec. 128 BLW/15 hrs. No shows of oil or gas. No swbg. 1-1/2 to 2 BFPH. Fluid 150' in hole.

20 Jan 69

Western Company acidized perms 7304'-7388' (15 holes) and open hole from 7391'-7538', Abo formation as follows: Acidized w/12,000 gals special treatment in the following manner: 7000 gals gel brine pad, 2000 gals 15% acid, 2000 gals 28% acid, 3000 gals slick water, 30 gal brine w/200# rock salt. Then 7000 gals gel brine pad, 2000 gals 28%, 2000 gals 15%, 3000 gals slick water and 30 gals brine + 200# rock salt. Then 7000 gals gel brine pad, 2000 gals 28% + 2000 gals 15% followed w/1/2 barrel of flsh wtr. Min. press. 5500#; Max. press. 6800#; Avg. press. 6100#; Avg. inj. rate 11.9 BPM. ISIP 5250#, 10 mins 5100#. Total load to rec. 1030 bbls. Left well SI for 3 hrs. Opened & flwd back 238 BLW/9 hrs. Still flwg. Lack 792 BLW.

21 Jan 69

Flwd back 115 BLW/7 hrs. and died. RU & swbd 3-1/2" tbg/17 hrs. Rec. 242 BF. Total barrels rec. since frac. job is 593'. Lack 437 BLW. Now swbg 19 to 20 BFPH. FL 5200' FS.

22 Jan 69

Swbd 24 hrs and rec. 283 BLW. No show of oil or gas. Lack 154 BLW. No swbg. 4 to 5 BFPH. Approximately 500' fluid in hole.

23 Jan 69

Swbd 10 hrs, rec 39 BLW. Total load rec. to date 915 BLW. Lack 115 BLW. Swbg. 3 to 4 BFPH. 300' fluid in hole. SD overnight.

24 Jan 69

SD 24 hrs. W00

25 Jan 69

Laid down 3-1/2" tbg. & RTTS. RD pulling unit. Moved off well. TA

26 Jan 69

TA