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NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: B-934

SUNDRY NOTICES AND REPORTS ON WELLS

(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.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name:

2. Name of Operator: EXXON CORPORATION

8. Farm or Lease Name: NEW MEXICO "S" STATE

3. Address of Operator: P.O. Box 1600, MIDLAND, TEXAS 79701

9. Well No.: 24

4. Location of Well: UNIT LETTER J, 1980 FEET FROM THE EAST LINE AND 1650 FEET FROM THE SOUTH LINE, SECTION 2 TOWNSHIP 22-S RANGE 37-E NMPM.

10. Field and Pool, or Wildcat: DRINKARD & CRAN WASH

15. Elevation (*Show whether DF, RT, GR, etc.*): 3366 DF

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 [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER PERFORATE [X]		OTHER [ ]	

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 RECOMMENDED WORKOVER PROCEDURE

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

SIGNED A L Clinner TITLE UNIT HEAD DATE 1-31-75

APPROVED BY Orig. Signed By J. D. Ramey TITLE _____ DATE FEB

CONDITIONS OF APPROVAL, IF ANY: _____

RECOMMENDED WORKOVER PROCEDURE - Do job without Pulling Unit if possible

If Pressure stops - if pump does not hold Then - Pull Rods up

1. Control Abo string with brine water. Pull rods and pump from Granite Wash string. Attempt to load Grayburg string with produced water. Set blanking plug below Grayburg perfs @ 3775'.
2. Run "Tubing plugs"* on wireline in all three 2-7/8" casing strings and set at the following depths:

Casing String	Setting Depth
Abo #2	6850'
Granite Wash #1	7250'
Grayburg #3	3650'

3. Load all casing strings and annulus with produced water. Pressure up to 1500# on Grayburg and Granite Wash strings and annulus. Pressure test Abo string to 5500#.

4. Bleed off pressure and recover tubing plug from Abo string.

5. Rig up wireline lubricator with pump-in Tee on Abo string.

6. Run PDC Log from T.D. to 6000'. Correlate with Schlumberger GR/N Log dated 5-7-63.

7. Perforate the Drinkard interval with 2 SPF using a 2" (dual fire - 5 shots/gun) McCullough Omega Jet Gun with Electromagnetic Orientation Tool (or equal) as follows: (consult w/engineering prior to perforating)

Interval	No. of Shots
6871'-6873'	5
6844'-6846'	5
6831'-6833'	5
6809'-6811'	5
6799'-6801'	5
6779'-6781'	5
6775'-6777'	5
6759'-6761'	5
6749'-6751'	5
Total	45 Shots

NOTE: Monitor pressure on Granite Wash string to be sure it's not perforated accidentally.

8. Acidize Drinkard perforations, 6749'-6873', down 2-7/8" casing with 1,000 gals. of 15% N.E. HCL acid. Displace acid to bottom and allow to soak 1 hour. Displace acid into formation.

9. Prepare 35,500 gals. brine water-external K-1 Polymulsion frac fluid as follows:

   a. Add 118 gals. Exxon Chemical FN 8596 to 11,800 gals. brine water.
   b. Circulate brine while adding 567# guar and 710# Adomite Aqua. Continue circulating until gel strength develops.

c. Mix two parts lease oil (564 bbls. required) to one part brine and return to tanks. Mix until characteristic consistency and lighter-than-oil-used color is obtained.

10. Frac the Drinkard interval, 6749'-6873', down 2-7/8" casing at maximum rate with 5500# surface pressure as follows:

a. Establish pump rate into perfs.
b. Pump 7,500 gals. K-1 Polymulsion frac fluid.
c. Pump 4,000 gals. K-1 containing 1#/gal. 20-40 sand.
d. Pump 6,000 gals. K-1 containing 1.5#/gal. 20-40 sand.
e. Pump 6,000 gals. K-1 containing 2.0#/gal. 20-40 sand.
f. Pump remaining 12,000 gals. with 20-40 sand concentration gradually increasing from 2-3#/gal., if rate and pressure indicate this is possible without sand out.
g. Flush with 39 bbls. of brine containing 2 gals. of Corexit 7652. Do Not Overflush.

NOTE: Expected rate is 10-15 bpm.

11. Maintain hole loaded with sufficiently weighted brine water to control well. (Maximum BHP expected is 2000#.)

12. Run "Tubing plug"* on wireline in Abo string and set @ approximately 6450'.

13. Pressure test plug to 5500#.

14. Perforate additional Drinkard interval with 2 SPF using a 2" (dual fire - 5 shots/Gun) Omega Jet Gun with Electromagnetic Orientation Tool (or equal) as follows:

Interval	No. of Shots
6426'-6428'	5
6415'-6417'	5
6401'-6403'	5
6388'-6390'	5
6377'-6379'	5
6370'-6372'	5
6289'-6291'	5
6276'-6278'	5
6257'-6259'	5
Total	45 Shots

NOTE: Monitor pressures on Grayburg and Granite Wash strings to be sure they are not perforated accidentally.

15. Acidize Drinkard perforations, 6257'-6428', down 2-7/8" casing with 1,000 gals. of N.E. HCL acid. Displace acid to bottom and allow to soak 1 hour. Displace into formation.

16. Prepare 25,000 gals. brine water-external K-1 Polymulsion frac fluid as follows:

a. Add 83 gals. Exxon Chemical FN 8596 to 8,300 gals. brine water.
b. Circulate brine while adding 399# guar and 500# Adomite Aqua. Continue circulating until gel strength develops.
c. Mix two parts lease oil (398 bbls. required) to one part brine and return to tanks. Mix until characteristic consistency and lighter-than-oil-used color is obtained.

17. Frac the Drinkard interval, 6257'-6428', down 2-7/8" casing at maximum rate with 5500# surface pressure as follows:

a. Establish pump rate into perfs.
b. Pump 4,000 gals. K-1 Polymulsion frac fluid.
c. Pump 3,000 gals. K-1 containing 1.0#/gal. 20-40 sand.
d. Pump 4,000 gals. K-1 containing 1.5#/gal. 20-40 sand.
e. Pump 4,000 gals. K-1 containing 2.0#/gal. 20-40 sand
f. Pump remaining 10,000 gals. K-1 with 20-40 sand concentration gradually increasing from 2-3#/gal., if rate and pressure indicate this is possible without sand out.
g. Flush with 39 bbls. of brine containing 2 gals. of Corexit 7652. Do not overflush.

18. Recover "Tubing plug" from Abo string. (It will probably be necessary to bail sand off of plug.)

19. Swab back all load fluid and flow test well.

20. Pull "Tubing plugs" from Granite Wash and Grayburg strings.

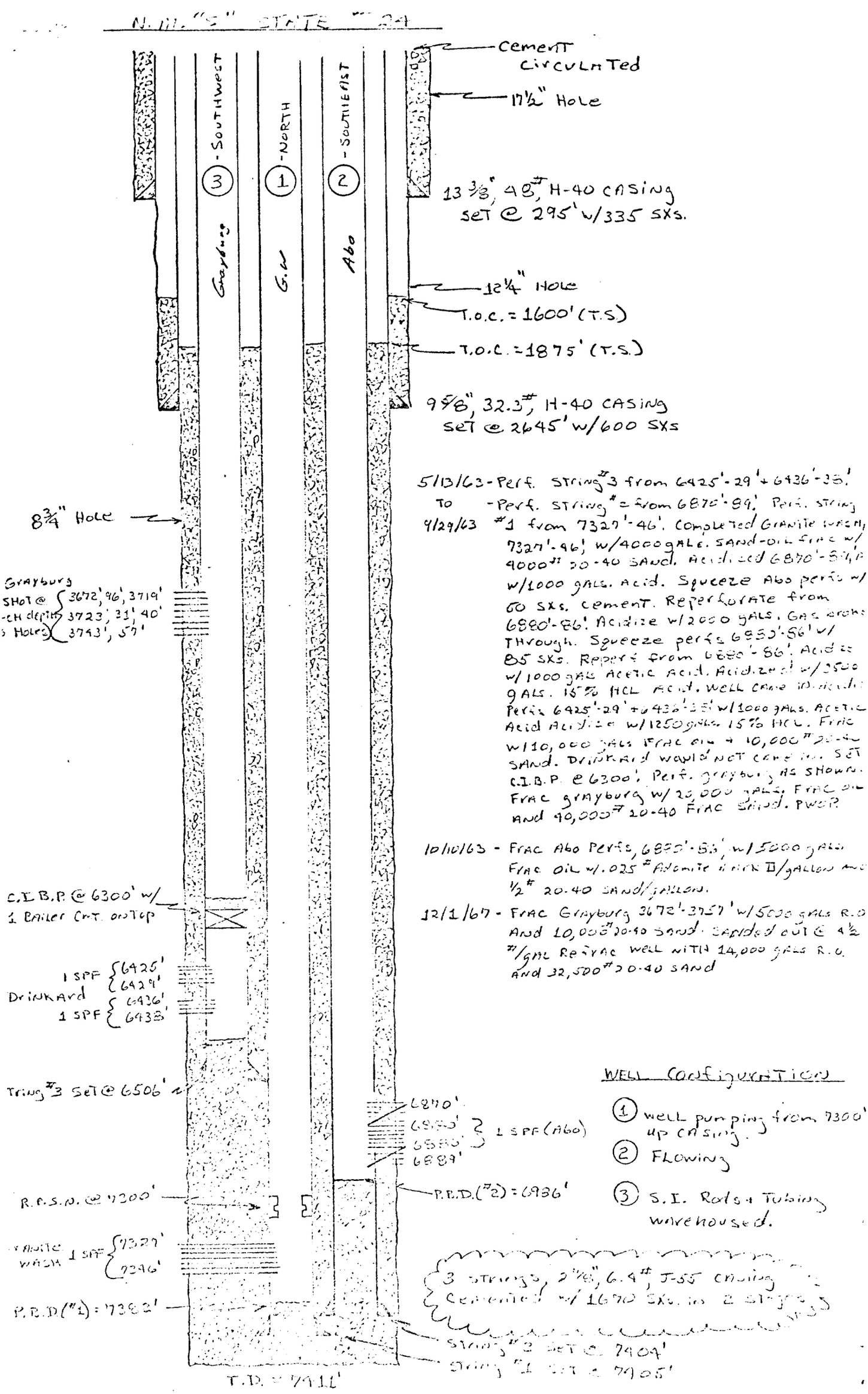
21. Rerun rods in Granite Wash string.

22. Place well on production.

*Tubing plug consists of: Type B tubing stop, K-2 retrievable SN and type B-1 standing valve.

S. E. Barker

MAF/sg
12-26-74


N. M. "S" STATE "24
Cement Circulated
17½" Hole
13 3/8", 48#, H-40 CASING SET @ 295' W/335 SXS.
12¼" Hole
T.O.C. = 1600' (T.S.)
T.O.C. = 1875' (T.S.)
9 5/8", 32.3#, H-40 CASING SET @ 2645' W/600 SXS
8¾" Hole
3 - SOUTHWEST
1 - NORTH
2 - SOUTHEAST
Grayburg
G.M
Abo
5/13/63 - Perf. String #3 from 6425'-29' + 6436'-38'
To - Perf. String #2 from 6870'-99'. Perf. String
9/29/63 #1 from 7327'-46'. Completed Granite Wash, 7327'-46' w/4000 gals. sand-oil frac w/ 4000# 20-40 sand. Acidized 6870'-89' w/1000 gals. Acid. Squeeze Abo perfs w/ 60 SXS. cement. Reperforate from 6880'-86'. Acidize w/2000 gals. Gas broke Through. Squeeze perfs 6880'-86' w/ 85 SXS. Reperf from 6880'-86'. Acidize w/1000 gals Acetic Acid. Acidized w/3500 gals. 15% HCL Acid. Well came in. Acidize Perfs 6425'-29' + 6436'-38' w/1000 gals. Acetic Acid Acidize w/1250 gals 15% HCL. Frac w/10,000 gals frac oil + 10,000# 20-40 sand. Drinkard would not come in. Set C.I.B.P. @ 6300'. Perf. grayburg as shown. Frac grayburg w/ 20,000 gals. Frac oil and 40,000# 20-40 Frac sand. PWOP
10/10/63 - Frac Abo Perfs, 6880'-86' w/5000 gals Frac oil w/.025# Adomite Aqua II per gallon and ½# 20-40 sand/gallon.
12/1/67 - Frac Grayburg 3672'-3757' w/5000 gals R.O And 10,000# 20-40 sand. Sanded out @ 4½ #/gal Refrac well with 14,000 gals R.O. And 32,500# 20-40 sand
Grayburg
SHOT @ 3672', 96', 3719'
-CH depths 3723', 31', 40'
5 Holes 3743', 57'
C.I.B.P @ 6300' w/ 1 Bailer Cmt. on Top
1 SPF 6425' 6429'
Drinkard
1 SPF 6436' 6438'
String #3 Set @ 6506'
6870'
6880'
6886'
6889'
1 SPF (Abo)
P.B.D.(#2) = 6986'
R.P.S.N. @ 7200'
Granite Wash
1 SPF 7327' 7346'
P.B.D.(#1) = 7382'
3 strings, 2 7/8", 6.4#, J-55 casing Cemented w/ 1670 SXS. in 2 stages
String #2 Set @ 7404'
String #1 Set @ 7405'
T.D. = 7411'
WELL CONFIGURATION
(1) Well pumping from 7300' up casing.
(2) Flowing
(3) S.I. Rods + Tubing Warehoused.