

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM 68039

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Allied 7 Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Shugart, North Bone Spring

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 7, T18S, R31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

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—" for such proposals.)

RECEIVED

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Enron Oil & Gas Company

OCT 20 '89

3. ADDRESS OF OPERATOR

P. O. Box 2267, Midland, Texas 79702

O. C. D.
ARTESIA, OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1980' FNL & 660' FEL

14. PERMIT NO.

30-015-25973

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3645.3' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF: 8/10/89

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Casing test & cement job

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8-17-89 - Spud 8:00 p.m.

8-18-89 - Set 11-3/4" 42# H-40 ST&C casing at 467'

See Attached

OCT 29 05 AM '89

RECEIVED

18. I hereby certify that the foregoing is true and correct

SIGNED

Betty Gildon

Betty Gildon

TITLE

Regulatory Analyst

DATE

9/28/89

(This space for Federal or State office use)

(ORIG. SGD.) DAVID R. GLASS

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL

OCT 18 1989

CARISBAD, NEW MEXICO See Instructions on Reverse Side

08-18-89

469' (4); 7 hrs drlg; Redbed and Suri @ Rock; 1/4° @ 135'; 1/2° @ 469'; Bit #RR1; 17-1/2" Hughes Y11J N797; jets 3/12; in @ 0; out @ 469' (469'); 7 hrs; wt 45,000; RPM 120; I=4; O=4; D=WT; L=A; B=5; G=I; O=NO; R=TD; Pump #1; 5-1/2" Lnr; stroke 16; Pump #2; 5-1/2" lnr; stroke 15; SPM 66; GPM 270; press 900; MW 8.3; vis 28; 14 hrs RU (spud @ 8:00 PM 8-17-89); 2-1/2 hrs drlg; 1/4 hrs survey; 4-1/2 hrs drlg (lost complete returns 263'); 1/4 hrs circulate; 1 hr drop totco; TOH to run 11-3/4" csg; 1 hr wait on casing crew; 1/2 hr RU casing crew.

08-19-89

469' (0'); pmp #1; lnr 5-1/2; stroke 16; pmp #2; lnr 5-1/2; stroke 15; 7-3/4 hr run 11 jts of 11-3/4" 42" H-40 ST&C; had to wash casing to btm from 260' dwn to 469' (209' of washing); no returns; 1-1/4 hr cmt with BJ Titan; cemented with 650 sx of CL C cmt + 12% Gypseal + 3% CaCl + 5#/sx Kol-seal; yield 1.57 cuft/sx; wt of slurry 14.6 ppg; 250 sx Cl "C" cmt + 2% CaCL + 1/4#/sx Cello-flake; yield 1.32 cuft/sx; wt of slurry 14.8 ppg; did not circulate cement; did not bump plug; shut dwn pumping at 3:00 pm 8-18-89; 7-1/4 hr WOC; 3/4 hr RU Jarrel WL Truck; run temperature survey; top of cmt @ 290'; 1 hr GIH with one-inch pipe to 344'; lay down one jt (314 feet); cmt with 200 sx of Cl C neat cmt; yield 1.32 cuft/sx; wt 14.8 ppg; no returns; 4 hr WOC; 1 hr GIH with one-inch pipe to 314'; cmt with 200 sx of Cl C neat cmt; yield 1.32 cuft/sx; wt 14.8 ppg; no returns; 1 hr WOC.

08-20-89

~~469'~~ 469'; pmp #1 lnr 5-1/2; stroke 16; pmp #2; lnr 5-1/2; stroke 15; 1 hr pump 50 sx of Cl "C" cmt with 4% CaCl + 1/4#/sx Cello-flake (no returns); pea gravel added down back side & pull one jt of one-inch depth 222' (no returns); 1 hr WOC; 1/2 hr pump 50 sacks Cl "C" + 12% Gypseal + 3% CaCl + 5#/sx Kol-seal + 1/4#/sx Cello-flake; pea gravel added to back side; no returns; 3/4 hr WOC; 1/4 hr pump 50 sacks Cl C + 12% Gypseal + 3% CaCl + 5#/sx Kol-seal + 1/4#/sx Cello flake; pea gravel added to back side; no returns; 1 hr WOC; 1/4 hr pump 50 sx Cl C + 12% Gypseal + 3% CaCl + 5#/sx Kol-seal + 1/4#/sx Cello-flake; pea gravel added to back side; no returns; pull one jt of one-inch pipe; depth 192'; approx 20 yds pea gravel 3/8" round has been used; 3 hr WOC; 1-1/2 hr work one-inch pipe thru bridge at top of hole and go back down to 344'; no fillup of back side with first 400 sx (2 stages of 200 sx/stage); 5-3/4 hr wait on 350 sx of Thixotropic cmt Cl "C" + 12% Gypseal; 3% CaCl2 + 5#/sx Kol-seal/sx + 1/4#/sx Cello-flake; wt 14.6 ppg; yeild 1.57 cuft/sx; 3/4 hr pump 350 sx of Thixotropic cmt (no returns); 3 hr WOC; 1/2 hr pull 1 jt 232'; pump 100 sx of Cl Cl neat w/4% CaCl + 1/4#/sx cello-flake (No returns); 1-3/4 hr pull 1 jt 252'; WOC; had to work bridge out of top of hole with 2-7/8" tbg; 1/2 hr pump 100 sx of Cl C neat with 4% CaCl + 1/4#/sx Cello-flake; no return; pea gravel added down back side; 1-1/4 hr WOC; 1/4 hr pump 50 sx of Cl C cmt with 4% CaCl + 1/4#/sx Cello-flake; no returns; pea gravel added down back side; WOC.

08-21-89

469'; bit #2 11 Hughes R3 PP733; in @ 469'; pmp #1 lnr 5-1/2; stroke 16; pmp #2 lnr 5-1/2; stroke 15; 1 hr WOC; 1/4 hr pump 50 sx Cl C + 12% Gypseal + 3% CaCl + 5#/sx Kol-seal + 1/4#/sx Cello-flake (3/8" rounded pea gravel added to back side) no returns; 3 hr WOC; 1/4 hr pump 50 sacks Cl "C" + 12% Gypseal + 3% CaCl + 5#/sx Kol-seal + 1/4#/sx Cello-flake (3/8" rounded pea gravel added to back side) no returns; 2 hr WOC; 1/4 hr pump 50 sx Cl C + 12% Gypseal + 3% CaCl + 5#/sx Flo-seal + 1/4#/sx Cello-flake (3/8" rounded pea gravel added to back side) no returns; 1-1/2 hr WOC; pull 1-inch out of hole; cemented down 2-7/8"; 1/4 hr pump 50 sx Cl C + 12% Gyp-seal + 3% CaCl + 5#/sx Kol-seal & 1/4#/sx Cello-flake (3/8" pea gravel added to back side) no returns; 1-1/4 hr WOC; 1/2 hr pump 100 sx of Cl C neat cmt + 5% CaC + 1/4#/sx Cello-flake (3/8" rounded pea gravel added to back side) very slight returns; 3/4 hr WOC; pump 15 bbls of wtr & got returns; pump 400 sx of Cl C neat + 5% CaCl + 1/4#/sx Cello flake; circ 50 sx to btm of cellar; total cement used 2800 sx; pumped thru one-inch; 30 yards of 3/8" rounded 1900 sx pea gravel used on back side of 11-3/4" casing; 3 hr WOC to set up in cellar; 1 hr WOC; 1/4 hr pump 50 sx Thixotropic w/ 3/8" rounded pea gravel; no returns; 3 hr WOC; 1/4 hr pump 50 sx Thixotropix cmt + pea gravel; no returns; 1 hr WOC; 1/4 hr 50 sx Thixotropic + 3/8" pea gravel, no returns; 1-1/2 hr WOC; pull one-inch tbg; could not rerun one-inch; cmt dwn 2-7/8" @ 59'; 1/4 hr pump 50 sx Thixotropic + 3/8" pea gravel, no returns; 1-1/4 hr WOC; 1/2 hr pump 100 sx Cl C neat + 5% CaCl2 + 1/4#/sx Cello-flake + 3/8" pea gravel, very slight returns at last; 3/4 hr WOC.

08-22-89

469'; bit #2 11" Hughes R3 PP733; jets 12/12/11; in @ 469'; pmp #1 lnr 5-1/2; stroke 16; pmp #2 lnr 5-1/2; stroke 15; SPM 34; GPM 163; 450#; MW 10.0; vis 28; 1/2 hr drlg 4 to 5 feet of cmt; drill rubber plug; drill float collar; drill 12' of cmt (12' of cmt inside shoe jt was not drill hard); 1/2 hr close Hydril & try to press up to 1100 psi on csg; press'd up to 250 psi then lost press; opened Hydril and kelly went 32' down to the guide shoe; did not have to rotate kelly to get it down; could not fill the hole; pumped 150 bbls of 10.0 ppg brine wtr; did not circ (no returns); 3-1/2 hr WO cmt to arrive; 1 hr pull out of hole; 5-1/2 hr WO cmt to arrive; type cmt ordered - 500 sx Cl "C" + 12% Kal-seal + 3% CaCl + 5#/sx Kol-seal; 6-1/2 hr it was decided to add nitrogen to this 500 sx cmt slurry; waited for nitrogen to arrive on location; 1 hr RU BJ Titan; 1-1/2 hr pumped 500 sx of Cl "C" + 12% Kal-seal + 3% CaCl + 5#/sx Kol-seal + 100 standard cuft/bbl of nitrogen; total nitrogen used for entire job is 31,386 scf; pmp rate 4 bbls per min at 500 psi; displaced w/2000 standard cuft of nitrogen/min; press was 200 psi; well SI with 200 psi on csg; 1/4 hr RD BJ Titan; 2-1/4 hr WOC; 1/4 hr rel press on 11-3/4" csg; 1/4 hr fill hole with fresh wtr; FL in hole stayed constant (no fall back); 1 hr GIH.

08-23-89

614' (145'); 1-3/4 hr drlg; redbed; bit #2 11" Hughes R3 PP733; jets 12/12/11; in @ 469' (145'); 1-3/4 hr; 20,000#; RPM 41; pmp #1 lnr 5-1/2; stroke 16; pmp #2 lnr 5-1/2; stroke 15; MW 10.0; vis 28; pH 10.0; 1/4 hr TIH to a depth of 436'; 1-1/4 hr circulate at 436'; go on down and tag cement at 454' (15' above guide shoe); 1/2 hr attempt to test casing to 1000 psi - pressured casing up to 750 psi; broke back to 450 and then broke back to 0 psi; fluid fell down to 15' to the guide shoe; did not have to rotate kelly; 1/4 hr dry drlg from 469' to 494'; drld guide shoe and 25' of new formation; 2-1/4 hr drlg from 494' to 614' (120'); dry drld to 529'; at this point got 10 to 12% returns; 2 hr TOH; stand drill collars back; check fluid level; fluid @ 376'; go in hole open ended to 338'; 4 hr wait on cmt to arrive on loc; 1/2 hr pmp 250 sx of class "C" cement + 12% gypseal + 3% CaCl + 4% gel; 13.5 ppg; displace with 7 bbls fresh wtr; 3/4 hr POOH; 2-1/4 hr WOC; 3/4 hr TIH to a depth of 267'; tagged cmt; 3-1/4 hr drlg cmt from 267' to 614'; fluid level would drop 25 to 30 ft/min when pump stopped or about 5 bbls lost per min; 1 hr TOH; LD 8 jts of DP; 1 hr Pick up 3 jts of DP and close pipe rams; cmt w/250 sx of class "C" cement + 12% gypseal + 3% CaCl + 4% gel; 13.5 ppg; squeeze cmt into formation; displace with 50 bbls fresh wtr; left ±50' of cmt inside 11-3/4" csg; had 250 psi press; pmpg 3 bbls/min; SI with 250 psig; 4 hrs WOC.

1702 (1168'); 15 hr drlg; 100% anhy; 1" @ 965'; 1-1/2" @ 1464'; 2-1/4" @ 1676'; bit #2 11" Hugi R3 PP733; jets 12/12, 11; in @ 469'; out @ 1676' (1207'); 13-3/4 hr 45/55,000#; RPM 120; I-8, O-8, D-WT, I-A, B-8, G-I, O-NO, R-PR; pmp #1 lnr 5-1/2"; stroke 16; bit #3 11" Smith F37 HA 1852; jets 12/12/12; in @ 1676' (106') 3 hr 45,000#; RPM 120; pmp #2 lnr 5-1/2"; stroke 15; SPM 65; GPM 358; 1500#; AVDP 90; DC 160; MW 10.0 vis 28; pH 9.5; 3 hr opened pipe rams; had to pull DP. Cmt stringers around same @ 62'; picked up one drill collar and kelly; drilled out cmt stringers scattered throughout hole down to a depth of 438'; hard cmt at this point; 3 hr drld good cmt from 438' (left 31' of cmt up inside 11-3/4" csg) to 614' (176'); good circ; 5 hr drlg; 1/4 hr survey; 4-1/2 hr drlg; 1/4 hr survey; 2-1/2 hr drlg; 2-1/4 hr drop totco & make bit trip; 1/4 hr wash 30' to btm; 3 hr drilling (full returns).

08-25-89

2,386' (604'); 23-1/2 hr drlg; 20% anhy, 80% dolo; 2" @ 1926'; 1-3/4" @ 2242'; bit #3 11" Smith F37 HA1852; jets 12/12/12; in @ 1676' (710'); 26-1/2 hr; 65,000#; RPM 90; pmp #1 lnr 5-1/2"; stroke 16"; pmp #2 lnr 5-1/2"; stroke 15"; SPM 65; GPM 358; 1600#; AVDP 90; DC 160; MW 10.0; vis 28; pH 10.5; 8 hr drlg; 1/4 hr survey; 11-3/4 hr drlg; 1/4 hr survey; 3-3/4 hr drlg.

08-26-89

2502' (116') 4-3/4 hr drlg; 40% dolo; 60% anhy; 1-1/4" @ 2502'; bit #3 11" Smith F37 HA1852; jets 12/12/12; in @ 1676' out @ 2502' (826'); 30-1/4 hr; 60/65,000#; RPM 90; I=3; O=3; D=WT; L=A; B=3; G=I; O=NO; R=TD; pmp #1 lnr 5-1/2"; stroke 16"; pmp #2 lnr 5-1/2"; stroke 15"; SPM 65; GPM 358; 1600#; AVDP 90; DC 160; MW 8.3; vis 28; pH 9.0; 4-3/4 hr drlg; finished drlg 11" hole @ 10:45 AM 8-25-89; 3/4 hr circ; 2-1/2 hr drop totco; TOH; LD 13 8" DC and BHA; 1/2 hr RU csg crew; 2-1/4 hr run 61 jts of 8-5/8" csg; 3/4 hr RU BJ Titan & circ capacity of csg; 1 hr cmt w/BJ Titan; pumped 525 sx of class "C" Lite (35:65) with 10% A-5 + 1/4# per sack Cello Flake; yield 1.86 cubic feet; weight 12.7 ppg; 250 sx class "C" cmt + 2% A-7 (sodium chloride) + 1/4# per sack Cello Flake; did not circ cmt; bumped plug @ 6:22 PM 8-25-89; 8-1/4 hr WOC (closed hydril to keep cmt in place; slight water flow from 1500'); 1 hr RU Jarrel Wireline truck and run a temperature survey; cmt found 50' below surface; BLM Representative ok'd cmt job; 1-3/4 hr wait on welder/fill annulus with pea gravel; 1/2 hr cut off 11-3/4" head.