

Submit 3 Copies To Appropriate District  
Office

District I  
1625 N. French Dr., Hobbs, NM 87240

District II  
811 South First, Artesia, NM 87210

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, NM 87505

~~CONFIDENTIAL~~

Form C-103

Revised March 25, 1999

WELL API NO.  
30-039-22756

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement  
Name:

Simms Federal

8. Well No.

1

9. Pool name or Wildcat

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. Type of Well:

Oil Well ☐ Gas Well ☐ Other Water Disposal Well ☒ NOV 16 1999

2. Name of Operator

Mallon Oil Company

3. Address of Operator

P.O. Box 2797 Durango CO 81301 (970) 382-9100

4. Well Location

Unit Letter J : 1730' feet from the South line and 1820' feet from the East line

Section 13

Township 30N

Range 04W

NMPM Rio Arriba County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
7023 GL

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 ☐ MULTIPLE COMPLETION ☐

OTHER: ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The Simms Federal No. 1 has approximately 150 psig on the casing annulus which indicates some sort of integrity failure with the equipment or casing. It is proposed to investigate the problem according to the attached procedure. (Also refer to the attached wellbore diagram).

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

SIGNATURE Christy Serrano TITLE Production Clerk DATE 11-15-99

Type or print name

Telephone No.

(This space for State use)

APPROVED BY ORIGINAL SIGNED BY CHARLIE T. PERREN TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE 11-16-99  
Conditions of approval, if any:

~~CONFIDENTIAL~~

**Simms Federal #1**

NW SE Sec.13, T30N, R4W  
1,820' FEL & 1,730' FNL  
East Blanco Field, Unit-J  
Rio Arriba County, NM

**Mallon Oil Company  
Well Completion Procedure**

11/12/99

JZ

**Project:** Well is showing backside pressure, pull tubing & investigate problem, return wellbore integrity.

Workover ProcedureAcidize Wellbore

- 1) MIRU acid pump truck & acidize tbg w/ 2,500 gallons 15% HCl acid.
- 2) Start water injection without Hydrogen Sulfide gas & flush system w/ 2,000 bbls produced water.

Prepare For Shut Down.

- 1) Pull down all water storage tanks, including gunbarrel, as far as possible prior to the shut down.
- 2) Line out ten 500 barrel frac tanks for additional storage & have on stand-by.
- 3) MIRU 500 bbl frac tank on the Simms well, manifold to rig pump, & fill w/ 450 bbls 2 % KCl wtr.
- 4) MIRU workover rig the night before the shut down.
- 5) Notify all Venders involved & double check equipment & supplies required. Line out all safety equipment necessary to perform job.

Workover procedure

- 1) MIRU workover rig, hold safety meeting for H<sub>2</sub>S hazard, load tbg w/ 50 bbls 2% KCl wtr, load csg annulus w/ 150 bbls 2 % KCl wtr.
- 2) ND wellhead, NU BOP, release 3 1/2" pkr @ 8,646' KB, TOOH w/ 2 7/8" & 2 1/16" tbg & pkr.
- 3) RU hydro-testers, TIH w/ 3 1/2" RBP & pkr, six jnts 2 1/16" tbg, on 2 7/8" tbg, hydrotest tbg to 5,000 psig.
- 4) Set 3 1/2" RBP @ 8,646' KB, set pkr just above & pressure test RBP to 1,000 psig, release pkr, pull up hole & set pkr @ 8,600' KB, presurre test 3 1/2" liner to 500 psig, release pkr, RIH & spot 2 sx sand on top of RBP, TOOH w/ tbg & pkr.
- 5) TIH w/ 5 1/2" pkr on 2 7/8" tbg, set pkr @ 8,300' KB, pressure test liner top & Dakota perfs down tbg to 500 psig.  
Note: Monitor csg annulus pressure.

- 6) Release pkr & move up hole, set pkr @ 7,490' KB, pressure test Gallup perms down tbg to 500 psig, pressure test the Pictured Cliffs perms down csg annulus to 500 psig, release pkr, TOOH w/ tbg & pkr.
- 7) TIH w/ appropriate tools to squeeze depending on location of leak (Confirm w/ Engineering), set tools for squeeze cmt job, perform cmt squeeze according to the specific instructions set forth by Engineering.
- 8) Release pkr, TOOH w/ tbg & pkr.
- 9) TIH w/ 4 3/4" bit on 2 7/8" tbg, pressure test csg to 500 psig, drill out cement, pressure test squeeze to 500 psig, TOOH w/ tbg & bit.
- 10) TIH w/ appropriate tools & tbg to retrieve the RBP set for the squeeze cmt job, circ. sand off of RBP, retrieve RBP, TOOH w/ tbg & tools.
- 11) TIH w/ injection BHA as follows:
  - 2 1/16" x 2' tbg pup w/ mule shoe end.
  - 3 1/2" Arrow Set-1 10K pkr (Nickel plated mandrel).
  - 2 1/16" x 6' tbg pup.
  - 2 1/16" on/off tool.
  - 2 1/16", 3.25#, J-55, IJ tbg (6 jnts).
  - 2 1/16" x 2 7/8" tbg cross-over.
  - 2 7/8", 6.5#, L-80, EUE tbg (276 jnts).Land pkr @ 8,646' KB.
- 12) Mix 110 gals corrosion inhibitor in 140 bbls 2 % KCl wtr, pump the corrosion inhibitor down the csg annulus, set the packer @ 8,646' KB w/ 10K compression, ND BOP, NU wellhead.
- 13) Notify the New Mexico OCD & perform a pressure integrity test according to their specific instructions.
- 14) Return the well to injection.

**Simms Federal #1**

NW SE Sec.13, T30N, R4W  
1,820' FEL & 1,730' FNL  
East Blanco Field, Unit-J  
Rio Arriba County, NM

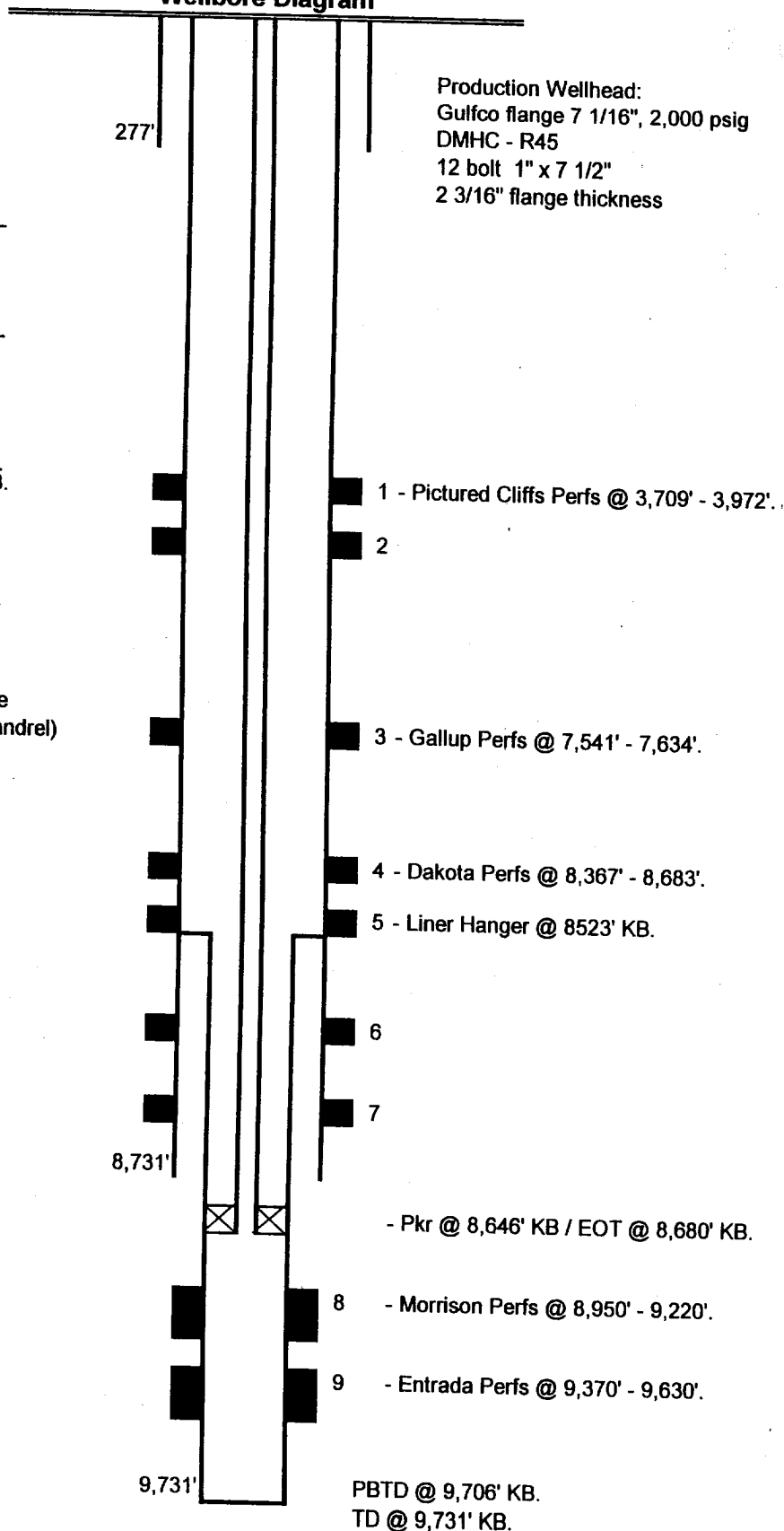
Elev. GL @ 7,023'

Elev. KB @ 7,033' (10' KB) Est.

**Mallon Oil Company**

11/9/99

JZ

**Wellbore Diagram****Surface Casing**

9 5/8", 32.3#, J-55, ST&C, set @ 277' KB.  
Cmt w/ 275 sx / Hole @ 12 1/4".

**Production Casing**

5 1/2", 15.5#, K-55, LT&C, set @ 8,731' KB.  
DV tools @ 4,201' & 6,605' KB.  
Cmt w/ 640 sx / Hole @ 7 7/8".

**Liner Casing**

3 1/2", 9.3#, L-80, IJ Hydrill, set @ 9,731' KB.  
Arrow Liner Hanger/Pkr @ 8,523' KB.  
Cmt w/ 65 sx 50/50 POZH / Hole @ 4 3/4".

**Tubing**

2 7/8", 6.5#, L-80, EUE (276 jnts @ 8,427')  
2 7/8" x 2 1/16" Cross-over  
2 1/16", 3.25#, J-55, IJ (6 jnts @ 203')  
Arrow on/off tool w/ 1.25" F- Profile SS Nipple  
3 1/2" Arrow Set-1 10K Pkr (Nickel Plated Mandrel)  
2 1/16", 3.25#, J-55, IJ (1 jnt @ 33.5')  
Pkr set @ 8,646' KB.  
EOT @ 8,680' KB.

**Squeezed Perforations**

**Pictured Cliffs: Squeezed w/ 45 sx cmt.**

- 1) 3,709' - 3,715'
- 2) 3,722', 3,945', 3,972'

**Gallup: Squeezed w/ 75 sx cmt.**

- 3) 7,541' - 7,634'

**Dakota: Squeezed w/ 155 sx cmt.**

- 4) 8,367' - 8,375'
- 5) 8,484' - 8,530'
- 6) 8,633' - 8,636'
- 7) 8,670' - 8,683'

**Injection Perforations**

**Morrison: Perf w/ 2 spf.**

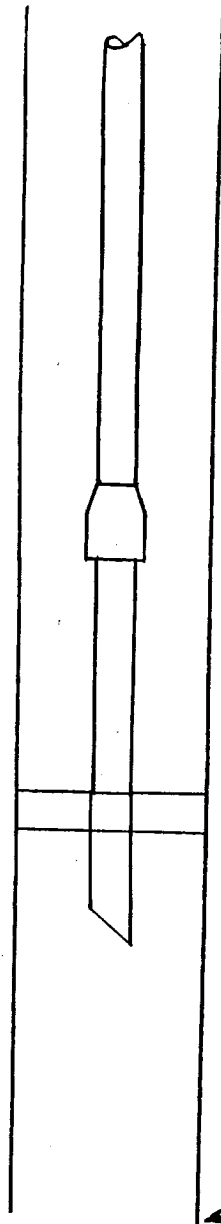
- 8) 8,950' - 8,982'
- 9,020' - 9,064'
- 9,098' - 9,220'

**Entrada: Perf w/ 2 spf.**

- 9) 9,370' - 9,410'
- 9,460' - 9,630'

Water Disposal Well

Proposed BHA For Injection



- 2 1/16" tbg

- On/off Tool

- 2 1/16" X 6' tbg sub

- 3 1/2" PQR

- 2 1/16" X 2' mule shoe

← 3 1/2" Liner

Note: Tbg sub to land tbg plug if required to isolate injection zone and still get off packer.