

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 21 2010

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1 Type of Well
☐ Oil Well ☐ ☒ Gas Well ☐ Other

2. Name of Operator
Samson Resources

3a Address
200 N Loraine, Midland, TX 79701

3b Phone No (include area code)
432-683-7063

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)
3300' FNL & 660' FWL
Section 2 T21S R32E

5. Lease Serial No
NM-093840

6 If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8 Well Name and No.
Pubco Federal #1

9. API Well No
30-025-24404

10 Field and Pool, or Exploratory Area

11. County or Parish, State

Lea County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|--|---|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input checked="" type="checkbox"/> Recomplete | <input type="checkbox"/> Other |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

- MIRU workover unit, NU BOPE.
- POH w/tbg, 9 5/8 pkr & seal assembly. Set CIBP @ 13,530'.
- MIRU wireline. RIH w/pkr & tbg, convey guns to shoot the following intervals:
13,282'-13,398', set pkr @ 13,000'.
- RD wireline, RIH with on/off tool and hydraulic set pkr on tbg, space out, circulate packer fluid, latch on, set hydraulic packer @ 12,750'.
- Test tree & surface equipment to 6,000 psi, then shoot guns & treat with 3,000 gal of acid.
- Swab if needed then start flowback.
- RMSO pulling unit, return to production and start well test.

Work done prior to approval.
Completion report required with new
production interval.

14 I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Kenneth Krawietz

Title Operations Manager

Signature

Date

09/13/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Title

Office

ACCEPTED FOR RECORD

PETROLEUM ENGINEER

OCT 25 2010

OCT 20 2010

/s/ Dustin Winkler

BUREAU OF LAND MANAGEMENT

CARLSBAD FIELD OFFICE

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

| | | |
|---------------------------|-----------------------|------------------------|
| WELL: Pubco Federal #1 TL | SPUD DATE: 3/31/1973 | LEASE#: 011764 |
| COUNTY: Lea | RR DATE: | LOCATION: 2-21S-32E |
| STATE: New Mexico | COMPL DATE: 6/16/1973 | FIELD: Hat Mesa |
| API #: 30-025-24404 | | FORMATION: Morrow |
| TD: 14,407' | | |
| PBTD: 14,348' | ELEVATION: 3719' GL | ZERO DATUM: FT. ABOVE: |

20" set @ 404'

CASING RECORD

SURFACE CASING

| O.D. | WT./FT. | GRADE | THD | TOP | BTM | NO. JTS. | BIT SZ. | SX CMT. | TOP CMT. |
|---------|---------|-------|-----|-----|------|----------|---------|---------|----------|
| 20 000" | 94 00# | | | 0' | 404' | | 26 000" | 700 | Surface |

PRODUCTION CASING

| O.D. | WT./FT. | GRADE | THD | TOP | BTM | NO. JTS. | BIT SZ. | SX CMT. | TOP CMT. |
|---------|---------|-------|-----|-----|--------|----------|---------|---------|----------|
| 13 375" | 54 50# | | | 0' | --- | | 17 500" | 3475 | |
| 13 375" | 61 00# | | | --- | --- | | | | |
| 13 375" | 68 00# | | | --- | 4,000' | | | | |

| O.D. | WT./FT. | GRADE | THD | TOP | BTM | NO. JTS. | BIT SZ. | SX CMT. | TOP CMT. |
|--------|---------|-------|-----|---------|---------|----------|---------|---------|----------|
| 9 625" | | | | 3,734' | 11,243' | | | 2000 | |
| 5 500" | 17 00# | | | 10,968' | 14,407' | | | 725 | |

TUBING

| O.D. | WT./FT. | GRADE | THD | TOP | BTM | NO. JTS. |
|--------|---------|-------|-----|-----|---------|----------|
| 2 875" | 6 50# | | EUE | 0' | 13,545' | |

Top of 9 625" Liner @ 3,734'

13 375" set @ 4,000'

PERFORATION RECORD

| DATE | TOP | BOTTOM | SPF | ZONE | STATUS |
|-----------|---------|---------|-----|--------|---------|
| 05/01/73 | 13,968' | 13,980' | | Morrow | Open |
| 05/01/73 | 14,018' | 14,026' | | Morrow | Open |
| 11/01/76 | 12,850' | 12,880' | | Strawn | Plugged |
| 11/01/76 | 12,870' | 12,874' | | Strawn | Plugged |
| 11/01/76 | 12,886' | 12,891' | | Strawn | Plugged |
| 06/24/77 | 13,696' | 13,704' | 1 | Morrow | Open |
| 6/24/1977 | 13,912' | 13,918' | 1 | Morrow | Open |
| 6/24/1977 | 13,936' | 13,939' | 1 | Morrow | Open |
| 6/24/1977 | 13,941' | 13,944' | 1 | Morrow | Open |
| 6/24/1977 | 13,956' | 13,958' | 1 | Morrow | Open |
| 6/24/1977 | 14,272' | 14,275' | 2 | Morrow | Open |
| Proposed | 13,282' | 13,398' | | Morrow | Open |

SN & EOT @ 13,545'

RH Hydraulic pkr @ 10,752'

Top of 5" Liner
@ 10,968'

Bottom 9 625" Liner
@ 11,243'

Hyd Pkr & tbg set @ 12,750'

Perfs @ 12,850'-12,891'

Pkr @ 13,000'

Perfs @ 13,282-13,398'

CIBP @ 13,530'

Ous WB pkr @ 13,545'

Perfs @ 13,696'-13,704'

Perfs @ 13,912'-13,958'

Perfs @ 14,272'-14,275'

TD: 14,407'

Bottom 5 5" liner @ 14,407'

REMARKS

07/01/73 Completed in Morrow formation (13,968'-13,980' & 14,018'-14,026')
No treatments performed
11/01/76 Perf'd Strawn (12,850'-12,891') and acidized w/8000 gals 20% ACR acid
w/600# of Benzoic acid. Frac'd Strawn perfs down 2 875" tubing w/25,000
gals of 2% KCL Versafac and 22,000# of 20/40 sand in 2 stages
06/01/77 Reactivated Morrow zone by perfing 13,696'-14,275'. Acidized w/5750 gals
of 7 5% HCL Morrowflow acid. Set packer to isolate Strawn zone
07/19/00 Check for fill. Rig up slick line. FTP 35, FCP 35, flowing 62 MCFD rate. Run
2 34" gauge to 5940' hanging up in collars. POH & RIH 1 5" to 14,348', no fill
PBTD @ 14,348'. EOT, SN & Pkr @ 13,545'. Ous Sleeve @ 12,749'
08/04/00 tbg/csg communication noted - kco
Propose recomple to Morrow

MISCELLANEOUS

| | |
|------------------|----------------------|
| SRC Wt%: 67% | BHT: |
| ZONE PENALT: | BHP: |
| COMPETITIVE: | EST SITP: |
| FERC CLASS: | EST WHSIP: |
| FORCE POOL: | COMPRESSOR DETAIL: |
| SRC OFFSET/ZONE: | |
| LOGS: | PUMPING UNIT DETAIL: |

CAPACITIES

| Tubular Cap. | Bbl/ft | Ft3/ft |
|-----------------|--------|--------|
| Tubing | | |
| Casing | | |
| Liner | | |
| Annular Cap. | Bbl/ft | Ft3/ft |
| Tubing x Casing | | |
| Liner x Hole | | |
| Casing x Hole | | |

TUBULAR GOODS PERFORMANCE

| Material | Tensile (lbs) | Burst (psi) | Collapse (psi) | ID (in) | Drift (in) |
|-----------------|------------------|----------------|-------------------|------------|---------------|
| 20" 94# | 1,253,000 | 2,400 | 1,500 | 18 730 | 18 542 |
| 13 375" 54 5# | 322,000 | 1,730 | 770 | 12 715 | 12 559 |
| 13 375" 61# | 547,000 | 2,730 | 1,130 | 12 615 | 12 459 |
| 13 375" 68# | 633,000 | 3,090 | 1,540 | 12 515 | 12 359 |
| 9 625" # | 1,335,000 | 12,430 | 10,720 | 7 511 | 7 386 |
| 5 5" 17# | 222,000 | 4,810 | 4,040 | 4 825 | 6 050 |
| 2 875" 6 5# EUE | 143,470 | 15,400 | 13,800 | 1 995 | 1 901 |

*Safety Factor Not Included

Engineer: Han Narayana

Office#: 918-591-1873

Fax#: 918-591-7873

Prepared By: Erleen Schafer

Date: 8-23-95

Updated: 9-13-10 gls