

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 Company

3a. Address

200 N. Loraine, Suite 1010, Midland, TX 79701

3b. Phone No. (include area code)

(432) 683-7063

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 1600' FEL of 11-20S-34E

5. Lease Serial No.

BLM#NM-06531-A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Lea Federal Unit #18

9. API Well No.

30-025-36904

10. Field and Pool, or Exploratory Area
Lea

11. County or Parish, State

Lea NM

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

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☒ Water Shut-Off

☐ Well Integrity

☐ Other

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 recompleat 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 recompleat 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 final site is ready for final inspection.)

4/21/06 - MIRU PU, NDWH. NUBOP. POOH w/406 jts

4/24/06 - MIRU WL truck. RIH w/4.60 GR & JB to 12,884'. Sand above all perfs. RD WL. PU & RIH w/bailer RIH w/notch collar, pump, on 2 3/8" tbg to top of sand. Work through perf area.

4/25/06 - CO to 13017'. MIRU WL truck. Tag @ 13012'. Got on depth. POOH w/tools.

4/26/06 - Tag @ 13009'. PU & RIH w/cibp and set @ 12998'. POOH. RD WL.

4/27/06 - PU & RIH set pkr w/EOT @ 12861'. Circ pkr fluid, test csg 1000#. Good. ND BOP. NU WH

4/28/06 - Check pressure and flow rate

5/1/06 - SI well. Replace choke. RDMO

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

Kenneth Krawietz

Title

District Engineer

Date 5/26/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL NAME: Lea Federal Unit #18 **FIELD:** Lea Penn **LSE#:** 036997
STATE: NM **COUNTY:** Lea **LOCATION:** 660' FNL & 1600' FEL of 11-20S-34E
API NO: 30-025-36904 **SPUD DATE:** 12/8/2004 **FORMATION:** Morrow
TD: 13380' **PBTD:** ~13333' **ELEVATION:** 3665 GL

PIPE RECORD								CEMENT & HOLE DATA				
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEPTH	SX	WT.	TOC
Surf	13.375"	H40	ST&C	48.00#	0'	1649'	37	17.500"		1920		Surf
Inter	9.625"	N80	BT&C	40.00#	0'	5629'	130	12.250"		1870		Surf
Prod	5.500"	P110HC	LT&C	20.00#	0'	13377'	325	8.750"		1440		9200' Est.
Tbg	2.375"	L80	EUE 8rd	4.70#	0'	12861'	405					

Remarks:
 3/5/05: Frac 13070-162' w/100,000# Ultra-prop, 294 tons CO2 downhole, 979 bbls fluid
 3/24/05: Frac perms 12,960-13010 w/100,000# 20/40 bauxite, 274 tons Co2 downhole, and 931 bbls fluid
 4/7/05: First Sales

CAPACITIES (bbl/ft) (ft/bbl) (cf/ft)
 TBG: 2.375 in. 4.7#
 CSG: 5.5 in. 20# .02210 45.09 .12450

VOLUME BETWEEN (bbl/ft) (ft/bbl) (cf/ft)
 TBGxCSG: 2.375x9.625
 TBGxCSG:
 CSGxHOLE:
 TBGxHOLE:
 TBGxHOLE:

PERFORATION RECORD					
DATE	TOP	BTM	ZONE	STATUS	SPF
3/2/2005	13160'	13162'	Morrow	Abandoned	4
3/2/2005	13124'	13126'	Morrow	Abandoned	4
3/2/2005	13092'	13096'	Morrow	Abandoned	4
3/2/2005	13070'	13074'	Morrow	Abandoned	4
3/22/2005	13008'	13010'	Morrow	Abandoned	4
3/22/2005	12978'	12982'	Morrow	Active	4
3/22/2005	12960'	12964'	Morrow	Active	4

Logs: 1/20/05: Dual-Spaced Neutron, Spectral Density, Dual Laterlog & Micro-Guard from 13365' logger's TD to 5620' & G/R Neutron to surf.
 2/4/05: GR/CBL/CCL from 9200-13245'

SRC Wt%:

LANDMAN:

GEOLOGIST:

TUBULAR GOODS PERFORMANCE

Material	ID (in)	Drift (in)	Collapse* (psi)	Burst* (psi)	Tensile* (lbs)
13.375" H40 ST&C 48#	12.715	12.559	770	1,730	322,000
9.625" N80 BT&C 40#	8.835	8.679	3,090	5,750	979,000
5.5" P110HC LT&C 20#	4.778	4.653	10,630	12,640	548,000

* Safety Factor Not Included

PREPARED BY: LeAnne Haskins
DATE: 1/14/2005
Updated: 5/8/2006 RB

OFFICE: (918) 583-1791
FAX: (918) 591-1702

13.375" @ 1649'

DV tool @ 1684'

TOC @ 9200'

9.625" @ 5629'

MJ@9489'

Tbg@12861

MJ@12984'

12960-64'

12978-82'

13006-10'

CIBP @ 12998'

13070-74'

13092-96'

CIBP@13112'

13124-26'

13160-62'

FC@13333'