

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

Two West Second Street, Tulsa, OK 74103

3b. Phone No. (include area code)

(432) 683-7063

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

2080' FWL & 760' FSL Sec. 11-20S-34E

Unit 2

5. Lease Serial No.

NHNM0631

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Federal 11-20-34

No. 2

9. API Well No.

30-025-21931

10. Field and Pool, or Exploratory Area (Lea) Bone Springs

11. County or Parish, State

Lea NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>Return to</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	<u>Morrow Production</u>
	☐ Convert to Injection	☐ Plug Back	☐ 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 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.)

1. ND Wellhead. RU Completion Unit. NU BOP's. Use 4% KCl as completion fluid during entire completion. Ensure that all surface casing valves are installed and operative. All surface equipment employed during this procedure should be rated to 5000 psig unless specified.
2. Latch on to tubing and pull free point (Note: freepoint during Jan. 2004 determined 100% free @ 8034'). Chemical cut tubing approximately 300' below free point. TOH w/8334' of 2 3/8", 4.70#, L80, 8R EUE, production tubing.
3. TIH w/Overshot; Bumper Sub; Jars; 4 - 3 1/8" Drill Collars and Accelerator Sub on 2 3/8", PH-6 Workstring. Engage fish and jar TAC/tubing free. TOH w/same.
4. TIH w/4 3/4" bit on workstring. Establish circulation and drill out 1.5 sx of cement and CIBP @ 9966'. Drill out Cement Retainer @ 10,033' and any cement below. Clean out 2 1/16" tubing stub @ 11,000'. TOH w/BHA and lay down same.
5. TIH w/Overshot and Packoff Assembly on 2 3/8", 4.70#, N80, 8R EUE production tubing. Engage 2 1/16" tubing stub @ 11,000' and latch onto same.
6. RU slickline unit and fish tubing plug @ 12,576'.
7. ND BOP's. RD Completion Unit. NU Wellhead.
8. Swab well if necessary and return to sales. Monitor rate and pressures.

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

Name (Printed/Typed)

J. L. Farnell, III

Title

District Engineer

Date

9/9/05

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **DAVID R. GLAN**

SENIOR ENGINEER

Date

OCT 18 2005

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 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person to make any false, fictitious or fraudulent statements or representations as to any matter within

This Approval Is Subject To The Work Being Commenced Within 30 Days (11-17-2005), Returning Well To Continuous Production, & Keeping Well On Continuous Production.

Proposed Diagram
(Recomplete Morrow)

WELL: Federal 11-205-34E #2	LEASER: 021888	LOCATION: 2080' PNL & 780' PSL
COUNTRY: Las	SPUD DATE: 11/20/1982	11-205-34E
STATE: New Mexico	RR DATE:	FIELD: Las
API #: 13,278	COMPL DATE:	FORMATION: Morrow
TD: 13,278'	ELEVATION: 3,857' KB	ZERO BATHY: 13.0' FT. ABOVE: GL
PSTD: 9,957'		

CASING RECORD

SURFACE CASING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTL.	BIT SZ.	EX CMY.	TOP CMY.
13.375"	48.008	H40	ST&C	0'	832'		17.500"	900	
8.625"	34.008			0'			12.250"	1100	
8.625"	32.008				5,310'				
								DV Tool @ 3,462'	

PRODUCTION CASING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTL.	BIT SZ.	EX CMY.	TOP CMY.
4.500"	11.808			0'			7.875"	1010	
4.500"	13.508	N80			13,278'				
								DV Tool @ 10,491'	

TUBING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTL.	BIT SZ.
2.375"	4.708	N80	Std	0'	11,000'		

PERFORATION RECORD

DATE	TOP	BOTTOM	SPP	ZONE	STATUS
01/22/87	12,902'	13,024'	15	Morrow	PLAU
02/15/88	10,139'	10,144'	4	Bone Springs	PLAU
02/15/88	10,121'	10,128'	4	Bone Springs	Sqrd
02/15/88	9,848'	9,858'	4	Bone Springs	Active
02/15/88	9,858'	9,858'	2	Bone Springs	Active

TREATMENT

12/21/82	12902, 904, 948, 952, 970, 13004, 13018, 13021, 13024 (15 shots) 1K acid Port @ .8789 psi @ 12800' (.53 psi) Gpm 4.8 Bld. Lst @ 10 MMCPMA (Low Decline)
01/22/87	Perf'd Morrow #12,902'-13,024' w/15 JS, set Baker Model "D" pecker @ 12,879', ran 384 Jts 2 1/16" tubing completion run.
01/21/85	Cap Lk @ 5294' Sqz 3 times 175 in found when it's out of Morrow; Circ Metal shavings test to 25000', bled to 18000' in 10 min
02/28/85	B.S. pfs 9058'-88' 9848'-58' 4 spf 3K 15% SK 15% 30K ed Frac; 10121'-25', 10130'-44' 4 SPP 500 gal 15%, 1.5K 15%, SK 15% Swab 80% off 8/80
02/15/88	Perf Bone Springs #10,139'-10,144' & 10,121' & 10,128' w/4 JSPP. Acidized w/500 gals 15% NEPE. Perf'd 98,848'-9,858' w/4 JSPP, set RSP @ 9,812'. Acidized w/1000 gals fluid. Perf'd 98,858'-9,858' w/2 JSPP, set RSP @ 9,858'. Acidized w/2500 gals (had casing leak @ 5,294' - sqrd 3 times). Acidized bottom 2 sets of parts w/1500 gals & placed on parts.
08/08/88	Set RSP @ 10,200' and pecker @ 10,000'. Acidized w/8000 gals 15% SGA. Communicated w/perfs 98,848'-9,858', set RSP @ 9,780'. Acidized w/8000 gals.
08/07/88	Set cement retainer @ 10,033', sqz perf'd 10,121'-10,144' w/100 ssa, reper'd 98,848'-9,858'. Acidized w/1500 gals. Acidized w/2000 gals 98,858'-9,858' and used scale inhibitor.
04/17/89	Set CBSP @ 9,868' and cap w/cement. PSTD=9,853'. Fract parts 98,848'-9,858' w/31000 gals. ISP=80000, 18' 3850R. CO sand to 9,963', ran 2,375" tubing and set TAC @ 9,478' with 12,0000 tonalun. Put on production.
1/28/91	Isolated and acidized parts 98,848'-9,858' w/2800 gals 7.5% NEPE and 62 ball sealers. Acidized parts 98,858'-9,858' w/8000 gals 7.5% NEPE.
11/28/93	Cap Leak @ 5112'-79': Circ 300 cc, sqz 250 cc test to 5000
4/2/99	Acidized Bone Springs perfs (9848-58') w/8000 gals 15% PEA52X acid down the
	Acidized Bone Springs perfs (9858-88') w/8000 gals 15% PEA52X acid down the

TOC @

B.S. perfs @ 9,558'-9,558'

SN @

B.S. perfs @ 9,848'-9,858'

EOT @

ERSV @ 10033'(889) 11

B.S. perfs @ 10,121'-10,144'

B.S. perfs @ 10,139'-10,144'

DV Tool @ 10,491'

2 1/16" tubing cut off @ 11,000'

Baker Model D Pfr @ 12,879'

Morrow perfs @ 12,902'-13,024'

4.5" wt @ 13,278'

TD: 13,278'

Rods in well As of 1/15/94:

1 1/2" x 28' polish rod
1 3/4" x 14' polish rod liner
8 1/4" x 2' x 7/8" pony rods
118 - 7/8" D rods
274 - 3/4" D rods
1 - 2" x 7/8" pony rod w/ molded guide
2" x 1 1/4" x 34' RHBC w/ HVR/BDV
9" x 12' gas anchor

Pumping Unit

Weller 458 Conventional
120" stroke (in long hole), 8 SPM
50 HP Motor, 1125 RPM, Frame 404T, 0" Sheave

MISCELLANEOUS

SRC WPL: 100.00%

LOGS:

CAPACITIES

Tubular Cap.

Tubing

Casing(9)

Casing(9)

Annular Cap.

Tubing x Casing(9)

Tubing x Casing(9)

Casing x Hole

TUBULAR GOODS PERFORMANCE

Material	Tensile (lbs)	Barrel (psi)	Collapses (psi)	ID (in)	OD (in)
13.375" 48H H40 ST&C	322,000	1,730	770	12.715	12.859
8.625" 34H				8.587	7.972
8.625" 32H				7.821	7.709
4.5" 11.8H				4.500	3.875
4.5" 13.5H N80				3.820	3.875
2.375" 4.7H N80 Std	71,930	11,200	11,780	1.995	1.901

*Safety Factor Not Included

Engineer: Mark Harkness
Office: 918-581-1873
Fax: 918-581-7873

Prepared By: Sarah White
Date: 12-3-97
Updated: 1/15/04 LH



Current

WELL:	Federal 11-205-34E #2	LEASE#: 021006	LOCATION: 2000 FWL & 700 FSL
COUNTY:	Lee	SPUD DATE: 11/21/1988	11-205-34E
STATE:	New Mexico	RR DATE:	FIELD: Lee
API#:		COMPL DATE:	FORMATION: Bone Springs
TD:	13,275'		
PSTD:	9,963'	ELEVATION: 3,857' KB	ZERO DATUM: 13.0' FT. ABOVE: GL

CASING RECORD

SURFACE CASING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SK CMT.	TOP CMT.
13.375"	48.000	H40	ST&C	0'	832'		17.500"	800	
8.625"	24.000			0'			12.250"	1100	
8.625"	33.000				6,310'				DV Tool @ 3,482'

PRODUCTION CASING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.	SK CMT.	TOP CMT.
4.500"	11.800			0'			7.875"	1010	
4.500"	13.500	N80			13,274'				DV Tool @ 10,481'

TUBING

O.D.	WT./FT.	GRADE	THD	TOP	BTM	NO. JTS.	BIT SZ.
2.375"	4.700	N80	Std	0'	9,912'		312

PERFORATION RECORD

DATE	TOP	BOTTOM	SPF	ZONE	STATUS
01/23/71	13,802'	13,024'	15	Morrow	PA&V
02/18/83	10,130'	10,144'	4	Bone Springs	PA&V
02/18/83	10,121'	10,126'	4	Bone Springs	Sq'd
02/18/83	9,846'	9,858'	4	Bone Springs	Active
02/18/83	9,858'	9,868'	2	Bone Springs	Active

TREATMENT

01/01/87 12902, 904, 948, 952, 970, 13904, 13018, 13021, 13024 (15 shots) 1K acid Perls = .5789 gal @ 12902' (.53 gal) 100% HCl; Left @ 10 MINCRA (Low Decline)

01/22/71 Perfs Morrow 912,922'-13,024' w/15 JS, set Baker Model "D" packer @ 12,879', run 364 js 2 1/16" tubing completion run.

02/01/88 Cag LA @ 12902' Sep 3 times 175 gr found when ric out of Morrow; Cag Model change test to 25000, used to 18000 in 10 min

03/01/88 S.S. jls 9550'-97' 9545'-98' 4 spf 2K 15% SK 10% 30K w/ Pac; 10121-26', 10130-44' 4 SPF 500 gal 15%, 1.5K 15%, SK 15% Bore 50% w/ 980

02/18/83 Perf Bone Springs 910,130'-10,144' & 10,121' & 10,126' w/4 JSPP. Acidized w/5000 gals 15% NEFE. Perfs 99,846'-9,858' w/4 JSPP, set RSP @ 9,912'. Acidized w/1000 gals 15% NEFE. Perfs 99,858'-9,868' w/4 JSPP, set RSP @ 9,908'. Acidized w/2500 gals (had casing leak @ 5,204'-sq'd 3 times). Acidized bottom 2 sets of perfs w/1500 gals & placed on perfs.

08/10/83 Set RSP @ 10,200' and packer @ 10,050'. Acidized w/5000 gals 15% SGA. Communicated w/perfs 99,846'-9,858', set RSP @ 9,790'. Acidized w/8000 gals.

08/08/83 Set cement retainer @ 10,037', sqz perfs 10,121'-10,144' w/100 mcs, reperfs 99,846'-9,858'. Acidized w/1500 gals. Acidized w/2000 gals 99,858'-9,868' and used scale inhibitor.

04/18/84 Set CISP @ 9,980' and cap w/cement. PSTD=9,963'. Perfs 99,846'-9,858' w/31000 gals. ISIP=50000, 15' 36500. CO sand to 9,963', run 2,375' tubing and set TAC @ 9,478' with 12,0000 tension. Put on production.

12/29/86 Isolated and acidized perfs 99,846'-9,858' w/2500 gals 7.5% NEFE and 52 ball sealers. Acidized perfs 99,858'-9,868' w/8800 gals 7.5% NEFE.

12/1/87 Cag Leak @ 5112'-75': Circ 300 cc, sqz 200 cc test to 5000

4/3/83 Acidized Bone Springs perfs (9845-98') w/5000 gals 15% FEASZK acid down tlg

Acidized Bone Springs perfs (9550-98') w/5000 gals 15% FEASZK acid down tlg

Rods in well As of 1/18/04:

1 1/2" x 28' polish rod
1 3/4" x 14' polish rod line
87 4' / 2" x 7/8" pony rods
115 - 7/8" D rods
274 - 3/4" D rods
1 - 2" x 7/8" pony rod w/ molded guide
2" x 1 1/4" x 24' RHBC w/ HVBCDV
1" x 12' gas anchor

Pumping Unit

Torrier 458 Conventional
120" stroke (in long hole), 8 SPM
50 HP Motor, 1125 RPM, Frame 404T, 0" Sheave



MISCELLANEOUS

SRC WPL: 100.00%

LOGS:

CAPACITIES

Tubular Cap.

	Bbl/R	Ft/R
Tubing		
Casing(9)		
Casing(9)		

Annular Cap.

	Bbl/R	Ft/R
Tubing x Casing(9)		
Tubing x Casing(9)		
Casing x Hole		

TUBULAR GOODS PERFORMANCE

Material	Tensile (lbs)	Burst (psi)	Collapse (psi)	ID (in)	Drift (in)
13.375" 48 H40 ST&C	522,000	1,700	770	12.715	12.558
8.625" 24H				8.087	7.972
8.625" 32H				7.921	7.796
4.5" 11.8H				4.000	3.875
4.5" 13.5H N80				3.920	3.875
2.375" 4.7H N80 Std	71,930	11,200	11,780	1.985	1.901

*Safety Factor Not Included

Engineer: Mark H. HARRIS
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Fax: 918-691-7873

Prepared By: Sarah White
Date: 12-3-97
Updated: 1/18/04 LH