

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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.

5. Lease Serial No.

NM-0202206

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Minis "2" FederalCom., Well No. 2

9. API Well No.

30-025-36059

10. Field and Pool, or Exploratory Area

Hat Mesa Morrow

11. County or Parish, State

Lea, New Mexico

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Samson Resources Co.

3a. Address

Samson Plaza Two W. 2nd St. Tulsa, OK 74103

3b. Phone No. (include area code)

(918) 591-1822

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

3700' FSL & 1980' FEL, Sec. 2-T21S-R32E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" 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	

3. 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.)

See attached Exhibit "Application for Drilling" first page for the folloing changes in the drilling program:

1. Paragraph 4--Proposed Casing Program
2. Paragraph 6-- Mud Program

APPROVED

DEC - 9 2002

GARY GORLEY

DEPUTY ENGINEER

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

George R. Smith

Title Agent for Samson Resources Co.

Signature

Date December 4, 2002

Approved by (Signature)

Name
(Printed/Typed)

Title

Office

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.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

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FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM-0202296
2. Name of Operator Samson Resources Co.		6. If Indian, Allottee or Tribe Name
3a. Address Samson Plaza Two W. 2nd St. Tulsa, OK 74103	3b. Phone No. (include area code) (918) 591-1822	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T. R., M., or Survey Description) 3700' FSL & 1980' FEL, Sec. 2-T21S-R32E		8. Well Name and No. Minis "2" FederalCom., Well No. 2
		9. API Well No.
		10. Field and Pool, or Exploratory Area Hat Mesa Morrow
		11. County or Parish, State Lea, New Mexico

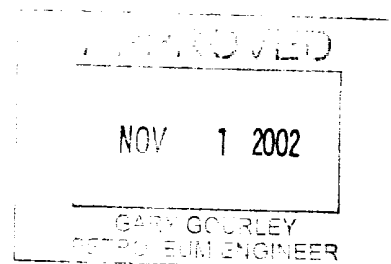
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See attached Exhibit "Application for Drilling" first page for the folloing changes in the drilling program:

1. Paragraph 4--Proposed Casing Program
2. Paragraph 5--Minimum Specifications for PressureControl Equipment
3. Paragraph 6-- Mud Program



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) George R. Smith		Title Agent for Samson Resources Co.
Signature <i>[Signature]</i>		Date October 31, 2002

Approved by (Signature) 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.	Name (Printed/Typed) Title Office Date
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Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

APPLICATION FOR DRILLING

SAMSON RESOURCES CO.
 Minis "2" Federal Com., Well No. 2
 3700' FSL & 1980' FEL, Sec: 2-T21S-R32E
 Lea County, New Mexico
 Lease No.: NM-0202296
 (Development Well)

In conjunction with Form 3160-3, Application for Permit to Drill subject well. Samson Resources Co. submits the following items of pertinent information in accordance with BLM requirements:

1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
2. The estimated tops of geologic markers are as follows:

Rustler	1,530'	Penn Shale	12,200'
Yates	3,150'	Strawn	12,850'
Capitan	3,529'	Atoka	13,060'
Delaware	5,530'	Morrow	13,600'
1 st Bone Spring	9,535'	T.D.	14,400'
Wolfcamp	11,650'		

3. The estimated depths at which water, oil or gas formations are anticipated to be encountered:
 Water: Surface water between 100' - 300'.
 Oil: Possible in the Delaware below 5530'.
 Gas: Possible in Atoka below 13,060' and the Morrow below 13,600'.

4. Proposed Casing Program:

HOLE SIZE	CASING SIZE	WEIGHT	GRADE	JOINT	SETTING DEPTH	QUANTITY OF CEMENT
18 1/2"	16"	75.0#	K-55	BT&C	0' - 930'	Circ 750 sx "C" cement
14 3/4"	11 3/4"	54.5#	K-55	BT&C	0' - 3,420'	Circ. 1330 sx. HLC Prem Plus
10 5/8"	8 5/8"	32.0#	N-80	LT&C	0' - 5,600'	Circ. 2650 sx. Interfill C & Prem
7 7/8"	5 1/2"	20.0#	P110	LT&C	0' - 14,400'	890 sx Interfill H & Super H TOC 5100'

5. Minimum Specifications for Pressure Control Equipment:

A 13 5/8" 10,000 psi WP Shaffer, LWS Double Gate BOP will be installed on the 11 3/4" casing and tested as per Onshore Oil & Gas Order #2 as a 5,000 psi system.. An annular preventer will be installed on the 16" casing to drill to the 3420" depth. The casing and BOP will be tested before drilling out with the 10 5/8" and 7 7/8". See Exhibit "E".

6. MUD PROGRAM:	MUD WEIGHT	VIS.	W/L CONTROL
0' - 930':	Fresh water mud:	8.8 - 9.2 ppg	32 - 36
930' - 1,530':	Fresh water mud:	10.0 - 10.4 ppg	28 - 29
1,530' - 3,420':	Fresh/native brine	10.0 - 10.4 ppg	28 - 29
3,420' - 5,600':	Fresh water + addit.	8.8 - 9.6 ppg	28 - 29
5,600' - 12,900':	Fresh water/Cut brine	8.4 - 9.2 ppg	28 - 29
12,900' - 14,400':	Cut Brine/xcd Polymer	9.4 - 11.5 ppg	38 - 42
			W/L control <10 cc

7. **Auxiliary Equipment:** Blowout Preventer, flow sensors and stabbing valve.

