

**New Mexico Oil Conservation Division, District I**  
**1625 N. French Drive**  
**Hobbs, NM 88240**

Form 3160-4  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No. **NM-0631**

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry Other  
 b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr.  
 Other RECOMPLETION TO BONE SPRINGS

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
**SAMSON RESOURCES COMPANY**

8. Lease Name and Well No.  
**FEDERAL 11-20S-34E #3**

3. Address  
**Two West Second Street, Tulsa, OK 74103**

3a. Phone No. (include area code)  
**(918)-583-1791**

9. API Well No.  
**30-025-30424**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface **1890' FSL & 660' FWL**

At top prod. interval reported below **1890' FSL & 660' FWL**

At total depth **1890' FSL & 660' FWL**

10. Field and Pool, or Exploratory  
**LEA, BONE SPRINGS**

11. Sec., T., R., M., on Block and  
Survey or Area **11-20S-34E**

12. County or Parish **LEA** 13. State **NM**

14. Date Spudded  
**4/7/1988**

15. Date T.D. Reached  
**6/11/1988**

16. Date Completed  
☐ D&A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
**3636.5 GL**

18. Total Depth: MD  
**TVD 13348**

19. Plug Back T.D.: MD  
**TVD 13254**

20. Depth Bridge Plug Set: MD  
**TVD 12885**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

**Copies submitted with original completion**

22. Was well cored? ☐ No ☐ Yes (Submit analysis)  
 Was DST run? ☐ No ☐ Yes (Submit report)  
 Directional Survey? ☐ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
NO CHG	SINCE THE	ORIGINAL	COMPLETION						

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	10489'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRINGS	9500	10364	9500-10364' (Gross)	2 SPF	94	OPEN
B)			12964-13235 (Gross)	4 SPF		(MORROW) ABANDONED
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10348-64'	Frac'd w/74880# 20/40 sand & 861 bbls fluid
10136-45'	Treated w/144 bbls WF25 & 44 bbls 15% HCL
9862-66',54-58,35-39'	Attempted to frac but screened out. Placed 28003# 20/40 sand on formation
9500-10'	Frac'd w/49,459# 20/40 sand, 698 bbls fluid.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/22/05	4/18/05	24	→	69	58	39			PUMPING
Choke Size	Tbg. Press. Flwg. 200 SI	Csg. Press. 110	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
N/A			→	69	58	39	840.58	PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

ACCEPTED FOR RECORD

MAY 24 2005

GARY GOURLEY

PETROLEUM ENGINEER

2A Lea Penn

*[Signature]*

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke size	Tbg Press. Flwg. SI	Csg Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg. SI	Csg Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Anhydrites	1602
				Yates	3695
				Mid-Delaware	5572
				Bone Springs	8218
				Wolfcamp	10968
				Strawn	12024
				Atoka	12380
				Atoka Lime	12498
				Morrow	12786

## 32. Additional remarks (include plugging procedure):

THE PREVIOUS COMPLETION IN THE MORROW HAS BEEN ABANDONED AND THIS WELL HAS NOW BEEN RECOMPLETED TO THE BONE SPRINGS FORMATION.

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)    2. Geologic Report    3. DST Report    4. Directional Survey  
5. Sundry Notice for plugging and cement verification    6. Core Analysis    7. Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) J.L. Farrell, III

Title District Engineer

Signature

Date 4/28/05

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.