N.M. Oil Cons. Division
1625 N. French Dr.
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-17238

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 the Delaware

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
Smith Ranch Unit

2. Name of Operator
Samson Resources Company

8. Lease Name and Well No.
Smith Ranch Federal 2-11

3. Address
Two West Second Street Tulsa, OK 74103

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

9. API Well No.
30-025-31138

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

At surface 660' FNL & 1980' FWL

At top prod. interval reported below

At total depth

10. Field and Pool, or Exploratory
Teas Delaware

11. Sec., T., R., M., on Block and Survey or Area 11-20S-33E

12. County or Parish Lea

13. State NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
1-26-91	2-24-91	☐ D&A ☒ Ready to Prod.	GR @ 3582.5'

18. Total Depth: MD / TVD	19. Plug Back T.D.: MD / TVD	20. Depth Bridge Plug Set: MD / TVD
9746'	9724'	NA

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DL w/MG & Cal., SDL, FWS & CBL/GR/CCL

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
17 1/2"	13 3/8"	54.5#	Surface	438'		500		Surface	
12 1/4"	8 5/8"	32#	Surface	1065'		600		Surface	
12 1/4"	8 5/8"	28#	Surface	5279'		200		Surface	
7 7/8"	5 1/2"	20#	Surface			1200		3506'	
7 7/8"	5 1/2"	17#		9744'		150		CBL	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875"	6536'							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)			9386' - 9442'		2 SPF	Not Active
B)			6582' - 6590'		4 SPF	Active
C)						
D)						

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

Depth Interval	Amount and Type of Material
6582' - 6590'	Frac'd w/10,000 gals Ambor 1030 pad and 32,000 gals Ambor 1030 gel + 48,000# 16/30 mesh Ottawa sand.

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
8/2	8/15/0	24	→	60.2	25	113			Pumping

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status
N/A	10(	100	→	60.2	25	113	415.3	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)

BLM-OKFO-TULSA
AUG 28 A 10:34

ACCEPTED FOR RECORD
(ORIG. SGD.) GARY GOURLEY
SEP 6 2002
GARY GOURLEY
PETROLEUM ENGINEER

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.*)

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
				Delaware	5357'
				Upper Bone Springs	8287'
				Middle Bone Springs	9298'

32. Additional remarks (include plugging procedure):

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)* Kevin Olson Title District Engineer

Signature Kevin C. Olson Date August 21, 2002

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.

RECEIVED