

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other										5. Lease Serial No NM-01747A	
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr, Other										6 If Indian, Allottee or Tribe Name	
2 Name of Operator Samson Resources Company ATTN: Kathy Staton										7 Unit or CA Agreement Name and No	
3 Address Two West 2nd Street, Tulsa, OK 74103					3a. Phone No. (include area code) (918) 591-1971					8 Lease Name and Well No Lea Federal #28	
4 Location of Well (Report location clearly and in accordance with Federal requirements) At surface 810' FNL & 810' FEL, 24-20S-34E										9. API Well No. 30-025-38718	
At top prod interval reported below										10 Field and Pool, or Exploratory Lea Penn Gas LEA BONE SPANNE	
At total depth										11 Sec, T, R, M., or Block and Survey or Area 24-20S-34E	
14. Date Spudded 1/31/08					15. Date T.D. Reached 3/9/08					12 County or Parish Lea	
16. Date Completed ☐ D & A ☒ Ready to Prod 4/16/08					17. Elevations (DF, RKB, RT, GL)* 3682.5' KB; 3681.5' DF; 3665' GL					13 State NM	
18 Total Depth: MD TVD 13500'					19. Plug Back T.D.: MD TVD 13454' 13000'					20. Depth Bridge Plug Set: MD TVD 13000'	
21 Type Electric & Other Mechanical Logs Run (Submit copy of each) DSNT/SDLT; DLLT/MGRD										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		
17.5"	13.375"	54.50#	0'	1672'		1380		surface			
12.25"	9.625"	40.0#	0'	5490'		2150		surface			
8.75"	5.50"	20.0#	0'	13500'		1800		4210'			
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"	9399'										
25. Producing Intervals						26. Perforation Record					
Formation		Top	Bottom	Perforated Interval		Size	No Holes	Perf Status			
A) Bone Springs		9560'	9934'	13410' - 13422'			3 spf	abandoned			
B)				13088' - 13286'			1 spf	abandoned			
C)				9924' - 9934'			33 holes	producing			
D)				9560' - 9636'			na	producing			
27 Acid, Fracture, Treatment, Cement Squeeze, Etc.											
Depth Interval			Amount and Type of Material								
13088' - 13422'			acd z w/3500 gals acid, flushed w/97 bbls wtr								
set CIBP @ 13000'			dump 35' cement on top of plug								
9924' - 9636'			frac w/1000 gals acid, 234,220# sd & 2850 bbls fld								
28. Production - Interval A											
Date First Produced 4/16/08	Test Date 4/27/08	Hours Tested 24	Test Production →	Oil BBL 10	Gas MCF 264	Water BBL 61	Oil Gravity Corr API	Gas Gravity	Production Method pumping		
Choke Size na	Tbg Press. Flwg SI 100	Csg Press 1500	24 Hr. →	Oil BBL 10	Gas MCF 264	Water BBL 61	Gas Oil Ratio 26400	Well Status 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.	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status			

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs 8323'	T. Entrada	T.
T. Abo	T. Morrow 12,937'	T. Wingate	T.
T. Wolfcamp 11,208'	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

State of New Mexico

DISTRICT I
1025 N. FRENCH DR., MOROS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brasos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-38718	Pool Code 37580	Pool Name Lea, Bone Spring South
Property Code 34342	Property Name LEA FEDERAL Unit-	Well Number 28
GRID No. 20165	Operator Name SAMSON RESOURCES	Elevation 3665'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	24	20-S	34-E		810	NORTH	810	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320.40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

DETAIL 3664.0' 3653.4' 3665.0' 3663.3' 600' 810' SEE DETAIL 810'	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Duke Roush</i> 12/10/07 Signature Date Duke Roush Printed Name
GEODETHIC COORDINATES NAD 27 NME Y=569706.5 N X=754488.4 E LAT.=32.563516° N LONG.=103.507309° W	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. DECEMBER 10, 2007 Date Surveyed Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 12/06/07 Certificate No. GARY EIDSON 12041 RONALD J. EIDSON 3239