

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.
SF078360
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. Lybrook South 16
2. Name of Operator ELM RIDGE EXPLORATION CO LLC		9. API Well No. 30-043-20845
3a. Address PO BOX 156 BLOOMFIELD NM 87413	3b. Phone No. (include area code) 505-632-3476 EXT 203	10. Field and Pool, or Exploratory Area Lybrook Gallup
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1975' FSL X 1978' FEL "J" - Sec 19-T23N-R6W		11. County or Parish, State Sandoval County

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 checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" 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 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	

13. Describe Proposed or Completed Operations (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 recomplete 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 recompletion 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.)

Elm Ridge Exploration Co LLC Did an acid clean out of this well on 1-21-15. The Service report is attached.

RECEIVED

FEB 17 2015

NMCCD

DISTRICT III

ACCEPTED FOR RECORD

FEB 12 2015

FARMINGTON FIELD OFFICE
BY: T. Solvers

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Amy Archuleta	Title Sr. Regulatory Supervisor
Signature	Date February 9, 2015

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
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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.

Office

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

NMCCD

**ELM RIDGE EXPLORATIONN CO LLC - EBUS
12225 GREENVILLE AVE
DALLAS, TX 75243**

LYBROOK SOUTH 16

**Interval 1
Sandoval County, New Mexico**

Sales Order: 902053442

Post Job Report

For: N/A

Date: Wednesday, January 21, 2015

Notice: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

HALLIBURTON

HALLIBURTON

Fracturing Service Treatment Report

Legal Data

Date: January 21, 2015 District: Farmington Customer: Elm Ridge S.O. #: 902053442
Well Name: Lybrook South 16 Legals: S: 19 T: 23N /R: 6W County/State: Sandoval NM API#: 30-043-20845

Well Data

Job Type	Foamed DuraKleen					
Formation	Gallup	Total Measured Depth:	5,710	Tubing:	2.375" 4.7# J-55	
Casing:	4.5" 11.6# J-55	Liner:	-	Packer:	-	MD Interval: 5325' - 5521'
Perforations:	spf	Perf Size:	"	Total:		TVD Interval: 5325' - 5521'

Treatment Data

Slurry		Foam		Average Rates		Pressure	
Pad Volume:		Pad Volume:	3,798	Clean:	7.6	Average:	2,572
Treatment:	3,013	Treatment:	6,895	Slurry:	7.6	ISIP:	662
Flush:	3,280	Flush:	3,280	Foam:	20.5	5 Minute:	N/A
Total:	6,293	Total:	13,973	N2 / CO2	12,159	10 Minute:	N/A
Pad %:	55%	Sand Total:	N/A	Q	75	15 Minute:	N/A

Job Data

Time	Volumes		Rates		Pressure	Sand	Stage Description
Stage Time	Stage Volume	Fluid Total	Slurry Rate	BH Rate	Tubing/Casing	Stage LBS	
	-	-	-	-	4,729	-	Pressure Test
13:25	-	-	-	-	411	-	Start Job - Load Well
13:27	-	-	-	15.5	1,526	-	Pad
13:33	3,013	3,013	7.6	7.6	3,405	N/A	Acid
13:43		3,013	-	-	2,429	-	Shut-In
13:45	2,401	5,414	10.7	10.8	2,991	N/A	Flush Annulus
13:50		5,414	-	-	1,521	-	Shut-In
13:51	879	6,293	5.4	5.1	2,959	-	Flush Tubing
-	-	-	-	-	662	-	ISIP
-	-	-	-	-	-	-	5-Min
-	-	-	-	-	-	-	10-Min
-	-	-	-	-	-	-	15-Min

Job Summary & Comments

HES performed a Foamed DuraKleen acid treatment for Elm Ridge Resources on 1/21/2015. The job was pumped to completion per design.

HES pumped a total BH Volume of 13973.0134751123 gals, with a Slurry Volume of 6293 gals, and a Clean Volume of 6293 gals with a Load to Recover of 6293 bbl.

HES pumped a total N2 Volume of 281209 scf. Max N2 Rate of scfm. Avg Treatment Rate of 12159 scfm.

The Max Treating Pressure for the Job was 3859 psi with an Average Treatment Pressure of 2572 psi.

The Max Slurry Rate for the Job was 14.59 bpm with an Average Slurry rate of 7.586 bpm.

The Max Bottomhole Treating Pressure for the job was 6216 psi with a Max BH Rate of 26.1 bpm.

ISIP = 661.6 psi ; FG = 0.560404896002288 psi/ft

Prior to the start of the job N2 came online while the well was shut, the N2 pump kicked out at 4500 psi and the well was exposed to 11521 psi. At the time it was believed that only N2 equipment rated to 15,000 psi was exposed to this pressure but upon further investigation it was determined that the well and some iron rated to 10,000 psi had been exposed. The iron was flagged and removed from surface

The maximum surface pressure reached (during treatment) was N/A

Treater/N2 Treater Robert Smith/James Rushing

TCC Operator: John Chavers

Engineer: Joseph Romani

Chemicals Pumped

Chemical	Bag Strap	After Prime Up	Ending Strap	Design	Used	Tricker Total	Percentage Error
HC-2	40	40	30	15	10	10	33.62%