

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.

8. Well Name and No.
Lybrook South 16

9. API Well No.
30-043-20845

10. Field and Pool, or Exploratory Area
Lybrook Gallup

11. County or Parish, State
Sandoval County

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Oil Well Gas Well Other

2. Name of Operator
ELM RIDGE EXPLORATION CO LLC

3a. Address
PO BOX 156 BLOOMFIELD NM 87413

3b. Phone No. (include area code)
505-632-3476 EXT 203

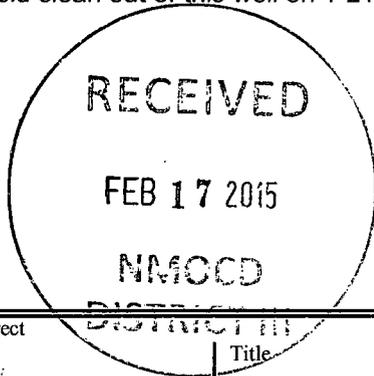
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1975' FSL X 1978' FEL
"J" - Sec 19-T23N-R6W

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other

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.



ACCEPTED FOR RECORD

FEB 12 2015

FARMINGTON FIELD OFFICE
BY: *J. Salyers*

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) *Amy Archibeta* Title *Sr. Regulatory Supervisor*

Signature *[Signature]* Date *February 9, 2015*

THIS SPACE FOR FEDERAL OR STATE USE

Approved by _____ Title _____ 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.

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 EXPLORATION 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
Casing	4.5" 11.6# J-55	Tubing: 2.375" 4.7# J-55
Perforations	spf	MD Interval: 5325' - 5521'
		TVD Interval: 5325' - 5521'

Treatment Data

Slurry	Foam	Average Rates	Pressure
Pad Volume: 3,013	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/C02: 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
 Treater/N2 Treater Robert Smith/James Rushing
 TCC Operator: John Chavers
 Engineer: Joseph Romani
 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

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%