

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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.

FEB 10 2015

SUBMIT IN TRIPLICATE - Other instructions on reverse side

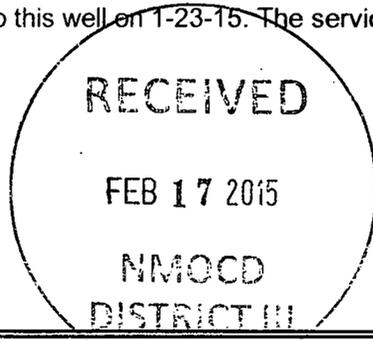
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SF-078362
2. Name of Operator Elm Ridge Exploration Company, LLC		6. If Indian, Allottee or Tribe Name
3a. Address PO BOX 156, Bloomfield, NM 87413	3b. Phone No. (include area code) 505-632-3476	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) "D" - Sec. 1-T23N-R7W 800' FNL X 880' FWL		8. Well Name and No. Marcus A 15
		9. API Well No. 30-039-24065
		10. Field and Pool, or Exploratory Area Lybrook Gallup
		11. County or Parish, State Rio Arriba, NM

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 did an acid clean out to this well on 1-23-15. The service treatment summary is attached.



ACCEPTED FOR RECORD

FEB 12 2015

FARMINGTON FIELD OFFICE
BY: J. Sellers

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

Name (Printed/Typed) <u>Amy Archuleta</u>	Title Sr. Regulatory Supervisor
Signature <u>[Signature]</u>	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)

NMOC DISTRICT III

ELM RIDGE EXPLORATION CO LLC - EBUS
12225 Greenville Ave
Dallas, TX 75243

Marcus A15

Interval 1
Sandoval County, New Mexico

Sales Order: 902060647

Post Job Report

For: Randy Snyder
Date: Thursday, January 22, 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.

039-24065

HALLIBURTON

SF-078362

Lybrook Jallard ~~ES~~

D 1-23-7

800 N x 880 FWL

Post Job

HALLIBURTON

Fracturing Service Treatment Report

Legal Data

Date: January 23, 2015 District: Farmington Customer: Elm Ridge S.O. #: 902060647
 Well Name: Marcus A 015 Legals: S: 1/T: 23N/R: 07W County/State: Sandoval NM API#: 30-039-24065

Well Data

Job Type:	Foamed DuraKleen						
Formation:	Gallup	Total Measured Depth:	5,513	Tubing:	2.375" 4.7# J-55		
Casing:	4.5" 11.6# J-55	Liner:	-	Packer:	-	MD Interval:	5384' - 5446'
Perforations:	4 spf	Perf Size:	0.32"	Total:	-	TVD Interval:	5384' - 5446'

Treatment Data

Slurry		Foam		Average Rates		Pressure	
Pad Volume:	-	Pad Volume:	2,875	Clean:	9.5	Average:	3,954
Treatment:	3,000	Treatment:	8,375	Slurry:	9.5	ISIP:	979
Flush:	-	Flush:	3,263	Foam:	18,270.0	5 Minute:	N/A
Total:	6,263	Total:	14,513	N2 / CO2:	18,270	10 Minute:	N/A
Pad %:	-	Sand Total:	-	Q:	59	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	
13:56	-	-	-	-	4,742	-	Pressure Test
N/A	-	-	N/A	N/A	N/A	-	Start Job - Load Well
14:49	-	-	N/A	N/A	2,688	-	Pad
14:58	3,000	3,000	9.1	29.0	3,993	-	Acid
15:06	-	3,000	N/A	N/A	N/A	-	Shut-In
15:10	2,381	5,381	13.3	12.8	3,375	-	Flush Annulus
N/A	-	5,381	N/A	N/A	N/A	-	Shut-In
15:17	882	6,263	5.8	5.9	3,257	-	Flush Tubing
N/A	-	-	-	-	N/A	-	Shut-In
15:21	-	-	-	-	979	-	ISIP
N/A	-	-	-	-	N/A	-	5-Min
N/A	-	-	-	-	N/A	-	10-Min
N/A	-	-	-	-	N/A	-	15-Min

Job Summary & Comments

HES performed a Foamed DuraKleen Frac for Elm Ridge Resources on 1/23/2015. The job was pumped to completion per design.

HES pumped a BH Volume of 14513.32 gals, a Slurry Volume of 6263 gals, Clean Volume of 6263 gals with a Load to Recover of 6263 bbl.

HES pumped a total N2 Volume of 223523 scf. Max N2 Rate of 28469 scfm. Avg Treatment Rate of 18270 scfm.

The Max Treating Pressure for the Job was 4049 psi with an Average Treatment Pressure of 3954 psi.

The Max Slurry Rate for the Job was bpm with an Average Slurry rate of 9.46 bpm.

The Max Bottomhole Treating Pressure for the job was 6173 psi with a Max BH Rate of 29.5 bpm.

ISIP = 978.7 psi ; FG = 0.617 psi/ft

Treater/N2 Treater J. Chavers / J. Rushing
 TCC Operator: F. Harris
 Engineer: J. An

The maximum surface pressure reached (during treatment) was 3993 psi

Chemicals Pumped

Chemical	Bag Strap	After Prime Up	Ending Strap	Design	Used	Ticket Total	Percentage Error
HC-2	16	16	1	15	16	15.5	3.33%