

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.

RECEIVED

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

JUL 08 2014

1. Lease Serial No.
Jicarilla Contract #149

2. Indian, Allottee or Tribe Name
Jicarilla Apache

7. If Unit or CA/Agreement, Name and/or No.
N/A

8. Well Name and No.
Jicarilla Apache F 20

9. API Well No.
30-039-31144

10. Field and Pool, or Exploratory Area
Lindrith Gallup Dakota West

11. County or Parish, State
Rio Arriba County, NM

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 201

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
"L" Sec 16-T25N-R05W
1746' FSL X 877' FWL

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 type="checkbox"/> Acidize
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Deepen
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Plug and Abandon
	<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 checked="" type="checkbox"/> Other
	Completion
	Summary

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 recompleat 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 has completed the above referenced well as follows: **6-3-14:** MIRU Triple P rig # 1.
6-5-14: Rig up pressure test truck. Pressure test to 4800 PSI for 30 minutes. Test was good.
6-8-14: Rig up wireline truck and start perforating. Perforate from 7038'-7224'. Shot 238 holes total.
6-11-14: Rig up Halliburton and start acid job. Pumped 7000 gals 7 1/2% DI MCA acid w/ Musal, Iron Seq Clay stab, Flowback Surf, and Friction Reducer. **6-19-14:** Rig up Halliburton and start Frac job. Pumped 4032795 MSCF of N2. Pumped 47966 gals of 25 CP 70Q Delta 200 Frac Fluid. Used 1450 sks of 20/40 CRC sand.
6-25-14: Set 2 3/8" 4.7# J55 tubing at 7022' . Well is producing approximately 720 MCF.
06-26-14: Rig down and move off location.

OIL CONS. DIV DIST. 3

JUL 18 2014

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

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

Signature [Signature] Date July 8, 2014

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)

ACCEPTED FOR RECORD

JUL 16 2014

NMOCDA

FARMINGTON FIELD OFFICE
BY: William Tambekou

Post Job

HALLIBURTON

Fracturing Service Treatment Report

Legal Data

Date: May 5, 2014 District: Farmington Customer: Elm Ridge S.O. #: 901441169
Well Name: Jicarilla Apache F 20 Legals: S: 16 /T: 25N /R: 5W County/State: Rio Arriba, NM API#: 30-039-31144

Well Data

Job Type	70Q Delta 200 Foam Frac					
Formation	Dakota	Total Depth:	7,596	Tubing:	-	
Casing:	17#, 5.5", J-55	Liner:		Packer:	-	Interval:
Perforations:	6 spf	Perf Size:		Total:	258	Interval: 7038-7224

Treatment Data

Slurry		Foam		Average Rates		Pressure	
Pad Volume:	23,804	Pad Volume:	77,235	Clean:		Average:	4,428
Treatment:	29,076	Treatment:	75,333	Slurry:	14.3	ISIP:	2,756
Flush:	6,839	Flush:	6,462	Foam:	38.2	5 Minute:	2,777
Total:	59,719	Total:	159,030	N2 / CO2	42,972	10 Minute:	2,708
Pad %:	40%	Sand Total:	145,000	g	70	15 Minute:	2,641

Job Data

Time	Volumes		Rates		Pressure	Sand	Stage Description
Stage Time	Stage Volume	Fluid Total	Slurry Rate	BH Rate	Tubing/Casing	Stage LBS	
10:38	Slurry Vol	BH Vol			WH Press	N/A	Start Job
10:39	1,876	4,377	12.1	30.8	663	N/A	Pre-Pad
10:43	23,804	77,235	15.6	50.1	1,623	N/A	Pad
11:29	7,140	21,865	17.2	49.2	4,579	18,000	1#
11:43	10,325	26,836	19.2	49.9	4,401	50,000	2#
12:01	11,611	26,632	20.8	49.4	4,225	77,000	3#
12:16	6,839	6,462	33.5	33.5	4,271	N/A	Flush
			N/A			N/A	Shut-In

Job Summary & Comments

Frac gradient of 0.827 psi/ft
Pumped 6816 gallons of Water Frac G-R 25#.
Pumped 47966 gallons of 25# Delta 200 Foam at an average surface dirty rate of 17.74 bbl, bottomhole rate of 49.84 bbl.
Pumped 4032795 scf of Nitrogen at an average quality of 69%.
Pumped 145000 pounds of 20/40 CRC, or 1450 sks.
Total fluid to recover is 1304 bbl of fluid.
Flushed 100 ft. Short of Top- Perf

Treater/N2 Treater J. Chavers/E. Acree
TCC Operator: U. Enabulele
Engineer: Joshua Stokes

Chemicals Pumped

Chemical	Designated	Net Pump Up	Ending Strap	Design	Net	Total Net	Percentage Error
LGC-36	885	885	622	328	263	263	-20%
BC-200	343	343	244	97	99	99	-2%
LoSurt 300D	333	322	297	24	25	36	4%
HC-2	664	664	470	219	194	194	-11%
SP	70	70	49	18	21	21	16%
Optiflo III	100	100	50	48	50	50	4%