SUBMIT IN TRIPLICATE* UNITED STATES DEPARTMENT OF THE INTERIOR

(Other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

BUREAU OF LAND MANAGEMENT	5. LEASE DESIGNATION AND SERIAL NO.		
APPLICATION FOR PERMIT TO DRILL OR DEEPEN	BIA #428 6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
1a. TYPE OF WORK	Jicarilla Apache		
DRILL DEEPEN DEE	7. UNIT AGREEMENT NAME 30 30 8 N/A 6. FARM OR LEASE NAME WELL, NO.		
	Jicarilla 428 #8		
Elm Ridge Resources, Inc. (505) 632-3476	30-043-2095		
P. O. Box 189, Farmington, NM 87499 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)	Ballard Pic. Cliff		
700' FSL & 786' FEL	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
At proposed prod. zone Same	P30-23n-4w NMPM		
14. DINTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 10 air miles E of Counselor	12. COUNTY OR PARISH 13. STATE		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES IN L	DE ACRES ASSIGNED		
(Also to nearest drig. unit line, if any) 4,494' 2,560	RY OR CABLE TOOLS		
21. ELEVATIONS (Show whether DF, RT, GR, etc.)	Rotary 22. APPROX. DATE WORK WILL START		
6,860' ungraded	Feb. 1, 2002		
PROPOSED CASING AND CEMENTING PROGRAM			
8-5/8" K-55 8-5/8" 23 250'	QUANTITY OF CEMENT ≈70 cu. ft. & to surface		
6-3/4" J-55 4-1/2" 10.5 2,300'	≈560 cu. ft. & to surface		
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed deepen directionally give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, 24. Consultant (505) 466-812	it any.		
(This space for Federal or State office use)			
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which we CONDITIONS OF APPROVAL IF ANY:			
ST Jahr & Bristal mateting AFM Multi-Res	JUN 2 6 2002		
*See Instructions On Reverse Side			

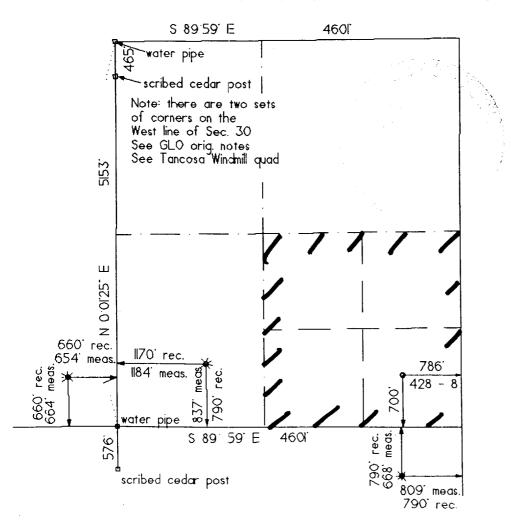
State of New Mexico Energy. Minerals & Mining Resources Department OL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

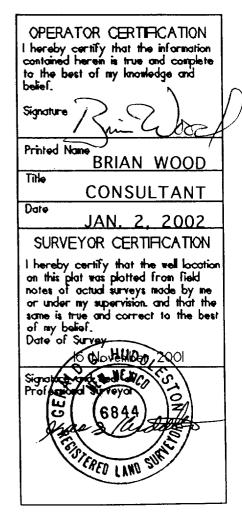
MENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

31-043-20956		71	439		ALLARD	PICTU	PoolName RED CLIF	FFS	
Property (Code				Property No JICARILLA	<u></u>			Well Number 8
0GRID N 14905			•	ELM	Operator Name M RIDGE RESOURCES				Elevation 6860
					Surfoc	Location			
UL or Lat	Sec	Tup	Rge.	Lot lan.	Feet from>	North/South	Feet from>	East/West	County
. P	30	23 N.	.4 W.		700	SOUTH	786	EAST	SANDOVAL
			- 	Botton	Hale Location	n If Different	From Surface		***************************************
UL or Lot	Sec.	Тир.	Rge.	Lot lon	Feet from>	North/South	Feet from>	East/West	County
Dedication	J.	uint?	Consolido	tion	<u> </u>	<u>l</u>	Ord-	er No.	

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





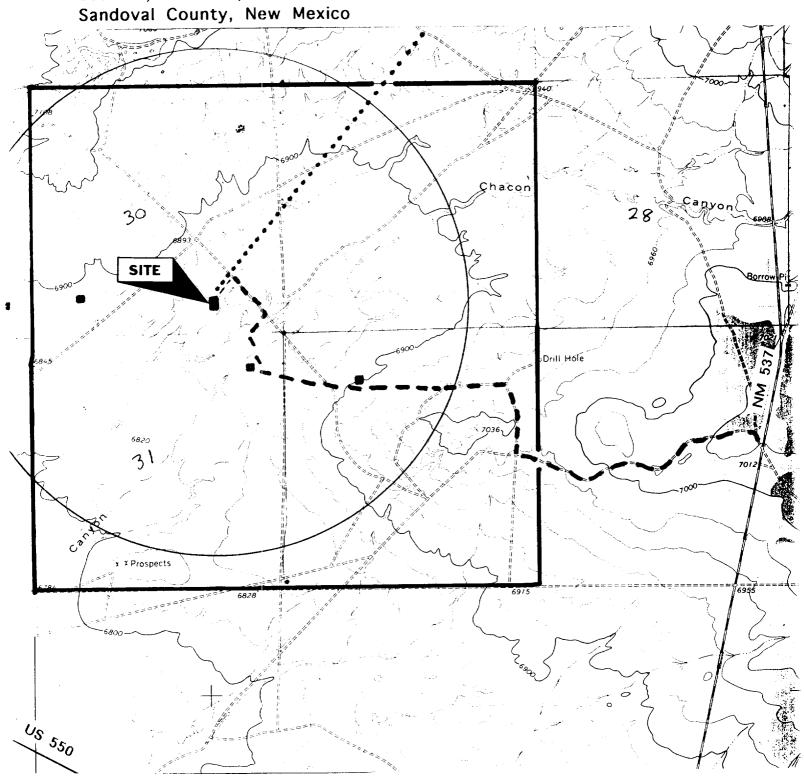
Elm Ridge Resources, Inc.

Jicarilla 428 #8

700' FSL & 786' FEL

Sec. 30, T. 23 N., R. 4 W.

Sandoval County, New Mexico



PROPOSED WELL:

EXISTING WELL:

LEASE:

PROPOSED GAS LINE: • • •

EXISTING ROAD: __ _ _

NEW ROAD: - -



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Drilling Program

1. ESTIMATED FORMATION TOPS

Formation Name	GL Depth	KB Depth	Subsea Elevation
San Jose	1 000'	5'	+6,860'
San Jose Journal Ojo Alamo Ss	1,685'	2,400'	+5,175'
Kirtland Sh	1,855'	2,550'	+5,005'
Pictured Cliffs Ss	2,135'	2,750'	+4,725'
Lewis Sh	2,230'		+4,630'
Total Depth (TD)*	2,300'	2,305'	+4,560'

^{*} all elevations reflect the ungraded ground level of 6,860'

2. NOTABLE ZONES

Oil & Gas Zones	<u>Water Zones</u>	<u>Coal Zones</u>
Ojo Alamo	San Jose	Fruitland
Pictured Cliffs		

Water zones will be protected with casing, cement, and weighted mud. Fresh water encountered during drilling will be recorded by depth, cased, and cemented. Oil and gas shows will be tested for commercial potential based on the well site geologist's recommendations.

3. PRESSURE CONTROL

The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. (A typical 2,000 psi model is on PAGE 3.) BOP and choke manifold system will be installed and tested to 500 psi before drilling surface casing plug. It will remain in use until the well is completed or abandoned. A safety valve and sub with a full opening valve to fit the drill pipe



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and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.

All BOP mechanical and pressure tests will be recorded on the driller's log. BOPs will be inspected and opened and closed at least daily to assure good mechanical working order. Inspections will be recorded on the daily drilling report. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place.

4. CASING & CEMENT

Hole Size	<u>O.D.</u>	Weight (lb/ft)	<u>Grade</u>	<u>Type</u>	<u>Age</u>	GL Setting Dept	h
8-5/8"	7"	23	K-55	ST&C	New	250'	è
6-3/4"	4-1/2"	10.5	J-55	LT&C	New	2,300'	

Surface casing will be cemented to the surface with ≈ 70 cubic feet (≈ 60 sacks) Class B with 1/4#/sk Flocele + 2% CaCl₂. Yield = 1.18 cubic feet per sack. Weight = 15.2 pounds per gallon. Volume = 100% excess. Centralizers will be installed on the middle of the shoe joint and every other centralizer thereafter. Thread lock the guide shoe and bottom of float collar only. Use API casing dope.

Production casing will be cemented to the surface with ≈ 560 cubic feet (≈ 475 sacks) Class B with 1/4#/sk Flocele + 2% CaCl₂. Yield = 1.18 cubic feet per sack. Weight = 15.2 pounds per gallon. Volume = 75% excess. At least six centralizers will be used.

5. MUD PROGRAM

A nine pound polymer and fresh water mud system with a viscosity of ≈35 will be used. Sufficient material to maintain mud properties, control lost circulation, and contain a blowout will be available at the well while drilling.

PROVIDING PERMITS IOI LAND USERS