UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No 1004-0137 Expires March 31, 2007

Lease Serial No.

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DONELLO OI LIMB IIII					
APPLICATION FOR PERMIT TO	DRILL OR REENTER	ECEIVE	6. If Indian, Allotee or Tri		
	<u>210 E/</u>	<u>(D) = (,)</u>	. 794		
la. Type of work: DRILL REENT	TER		7. If Unit or CA Agreement, N/A	Name and No.	
		-	8. Lease Name and Well No	D.	
lb. Type of Well: Oil Well ✓ Gas Well Other	✓ Single Zone	tiple Zone	JICARILLA APACHE J #4		
2. Name of Operator ELM RIDGE EXPLORATION COM	PANY, LLC		9. API Well No. 30-039-	59	
3a. Address P. O. BOX 156	3b. Phone No. (include area code)		10. Field and Pool, or Explora	itory	
BLOOMFIELD, NM 87413	(505) 632-3476		BALLARD PICTURED CLIFFS		
4. Location of Well (Report location clearly and in accordance with a	try State requirements.*)		11. Sec, T. R. M. or Blk. and	Survey or Area	
At surface 1005' FNL & 800' FWL					
At proposed prod. zone SAME			4-23N-4W NMPM		
14. Distance in miles and direction from nearest town or post office*			12. County or Parish	13. State	
11 MILES NORTHEAST OF COUNSELORS, NM			RIO ARRIBA	- NM	
15. Distance from proposed* location to nearest	16. No. of acres in lease	17 Spacing	g Unit dedicated to this well		
property or lease line, ft. (Also to nearest drig, unit line, if any) 800'	615	NW4			
18. Distance from proposed location*	19 Proposed Depth	20 BLM/E	BIA Bond No. on file		
to nearest well, drilling, completed, applied for, on this lease, ft. 3,050' (J #1)	3,100'	BIA N	NATION WIDE 886441C		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will s	tart*	23. Estimated duration		
7,157' GL	10/10/2007	••••	4 WEEKS		

24. · Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3 A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on tile real **CONDITIONS OF APPROVAL** Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer

25. Signature	Name (Printed/Typed) BRIAN WOOD		Date 04/27/2007
Title CONSULTANT	PHONE: (505) 466-8120	FAX: (505) 466-9682	
Approved by (Signature) Mandales	Name (Printed/Typed)	.,	Date //5/0
Title AEM	Office		
Application approval does not warrant or certify that the applicant hold conduct operations thereon Conditions of approval, if any, are attached.	s legal or equitable title to those rights	in the subject lease which would	d entitle the applicant to

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 page 2)

NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

This action is subject to technical and procedural review pursuant to 43 CFR 3165 3 and appeal pursuant to 43 CFR 3165.4

APR 2 4 2009

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM. BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19 15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

DISTRICT I P.O. Box 1980, Hobbs, N.M. 88241-1980 State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised Febuary 21, 1994 Instructions on back

'DISTRICT II 811 South First, Artesia, N.M. 88210 DISTRICT III

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, NM 87504-2088

Submit to Appropriate District Office State Lease - 4 Copies

State Lease - 3 Copies
Fee Lease - 3 Copies

12: 50

AMENDED REPORT

1000 Rio Brazos Rd., Aztec, N.M. 87410 DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87504-2088

AMENDED REPORT

RECEIVED WELL LOCATION AND ACREAGE DEDICATIONS DEATH

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	Number	7559		Pool Code		BALLARD	PICTURED	ຳ CI	IFFS	
30-039- 30-039- 71439 Property Code Property							FICTOREL) CL		Well Number
. /903/ . JICARILLA					APACHE J				4	
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UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County
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Elm Ridge Exploration Company, LLC Jicarilla Apache J #4 1005' FNL & 800' FWL Sec. 4, T. 23 N., R. 4 W. Rio Arriba County, New Mexico

Drilling Program

1. ESTIMATED FORMATION TOPS

<u>Formation</u>	GL Depth	KB Depth	<u>Elevation</u>
San Jose	0'.'	12'	+7,157'
Ojo Alamo	2,402'	2,414'	+4,755'
Kirtland-Fruitland	2,542	2,554'	+4,615'
Pictured Cliffs	2,877'	2,889'	+4,280'
Lewis	2,942'	2,954'	+4,215'
Total Depth (TD)	3,100'	3,112'	+4,157'

2. NOTABLE ZONES

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

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 the 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



Elm Ridge Exploration Company, LLC Jicarilla Apache J #4 1005' FNL & 800' FWL Sec. 4, T. 23 N., R. 4 W. Rio Arriba County, New Mexico

pipe 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

<u>Hole Size</u>	<u>O. D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>Age</u>	Setting Depth
12-1/4"	8-5/8"	24#	J-55 or K-55	ST&C	New	250'
7-7/8"	5-1/2"	1 <i>Ø</i> .5#	J-55	LT&C	New	3,100'

Surface casing will be cemented to the surface with ≈ 206 cubic feet (≈ 175 sacks) Class B with 1/4#/sk cellophane + 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 ether 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 ≈ 950 cubic feet (≈ 805 sacks) Class B with 1/4#/sk cellophane + 2% CaCl₂. Yield = 1.18 cubic feet per sack. Weight = 15.2 pounds per gallon. Volume = 75% excess. Approximately eight centralizers will be used.



Elm Ridge Exploration Company, LLC Jicarilla Apache J #4 1005' FNL & 800' FWL Sec. 4, T. 23 N., R. 4 W. Rio Arriba County, New Mexico

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.

6. CORES, TESTS, & LOGS

No cores or drill stem tests are planned. DIL/GR log may be run from TD to surface. CNL/FSC log may be run over certain intervals.

7. DOWN HOLE CONDITIONS

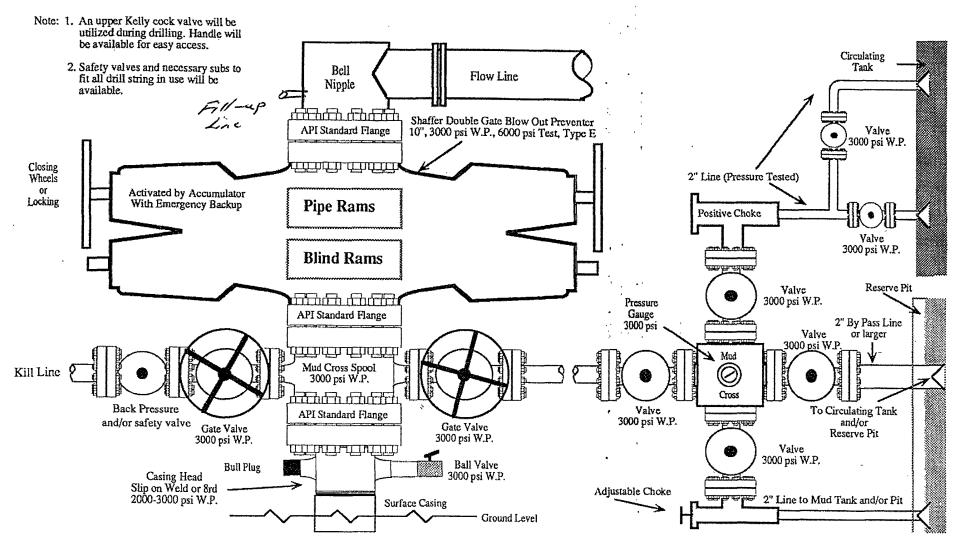
No abnormal pressures, temperatures, nor hydrogen sulfide are expected. Maximum pressure will be $\leq 1,240$ psi.

8. OTHER INFORMATION

The anticipated spud date is upon approval. It is expected it will take ≈ 1 week to drill and ≈ 2 weeks to complete the well.



2,000 PSI BOP SYSTEM



Note: This equipment is designed to meet requirements for a 2-M rating standard per 43 CFR part 3160 (amended). Proper operation and testing of equipment will be carried out per standard. 2,000 psi equipment can be substituted in the drawing to meet minimum requirements per standard.