

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address EM RIDGE EXPLORATION COMPANY, LLC P. O. BOX 156, BLOOMFIELD, NM 87413		² OGRID Number 149052
³ Property Code 24139	⁵ Property Name NEW MEXICO STATE	³ APL Number 30-045-34392
⁹ Proposed Pool 1 NAGEEZI GALLUP		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	32	24 N	8 W		1980	SOUTH	1910	EAST	SAN JUAN

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code 0	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 6,978'
¹⁶ Multiple S	¹⁷ Proposed Depth 5,700'	¹⁸ Formation GREENHORN	¹⁹ Contractor BEARCAT	²⁰ Spud Date UPON APPROVAL
Depth to Groundwater >100'		Distance from nearest fresh water well >1,000'		Distance from nearest surface water >100'
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: 14,000 bbls Drilling Method: Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	350'	245	SURFACE
7-7/8"	5-1/2"	10.5#	5,700'	1,200	SURFACE

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Use 2,000 BOP system

RCVD AUG 14 '07

OIL CONS. DIV.
DIST. 3

Brian Wood

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: BRIAN WOOD		Approved by: <i>[Signature]</i>	
Title: CONSULTANT		Deputy Oil & Gas Inspector, District #3	
E-mail Address: brian@permitswest.com		Approval Date: AUG 23 2007 Expiration Date:	
Date: 8-11-07 Phone: (505) 466-8120		Conditions of Approval Attached <input type="checkbox"/>	

8-17-07aw

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34392	² Pool Code 47540	³ Pool Name NAGEEZI GALLUP
⁴ Property Code 24139	⁵ Property Name NEW MEXICO STATE	⁶ Well Number 4
⁷ GRID No. 149052	⁸ Operator Name ELM RIDGE EXPLORATION	⁹ Elevation 6978

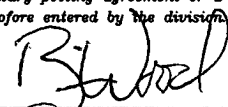
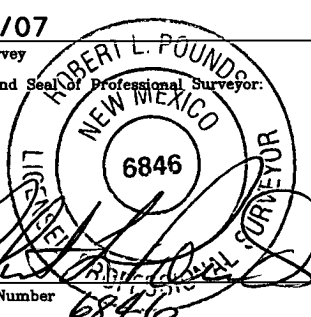
¹⁰ Surface Location

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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 40	¹³ Joint or Infill .	¹⁴ Consolidation Code .	¹⁵ Order No. .						

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

16 N 89°59'28" E 2641.95'	2640.66'	N 89°57'37" E 2639.93'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature 8-11-07 Date Printed Name BRIAN WOOD
N 0°14'06" E	SECTION 32		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 6/27/07 Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number 6846
2634.48'	NAD 83 LAT: 36.269030° N LONG: 107.702683° W	1910'	
N 0°16'09" E	1980'	S 89°58'57" W 2650.66'	