

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 004638	⁵ Property Name BRYAN SIMPSON	⁴ API Number 33174 ⁶ Well No. 2
⁹ Proposed Pool 1 BISTI LOWER 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
H	32	25 N	11 W		1675	NORTH	680	WEST	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
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Additional Well Information

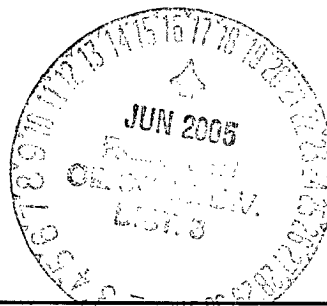
¹¹ Work Type Code N	¹² Well Type Code 0	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 6,490'
¹⁶ Multiple S	¹⁷ Proposed Depth 5,100'	¹⁸ Formation GREENHORN	¹⁹ Contractor BEARCAT	²⁰ Spud Date UPON APPROVAL
Depth to Groundwater >100'		Distance from nearest fresh water well >5,000'		Distance from nearest surface water >300'
Pit: Liner: Synthetic ☒ 12_mils thick Clay ☐ Pit Volume: _____ bbls Drilling Method: _____ Closed-Loop System ☐ 14,000 bbls Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

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#	300'	220	SURFACE
7-7/8"	4-1/2"	10.5#	5,100'	1,455	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



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 ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .		OIL CONSERVATION DIVISION	
Printed name: BRIAN WOOD		Approved by:	
Title: CONSULTANT		Title: DEPUTY OIL & GAS INSPECTOR, DIST. 60	
E-mail Address: brian@permitswest.com		Approval Date: JUN 17 2005 Expiration Date: JUN 17 2006	
Date: 6-14-05	Phone: (505) 466-8120	Conditions of Approval Attached ☐	

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

Form C - 102

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number 30-045-33174		Pool Code 05890	Pool Name BISTI LOWER GALLUP
Property Code 004638	Property Name BRYAN SIMPSON		Well Number 2
OGRD No. 149052	Operator Name ELM RIDGE RESOURCES		Elevation 6490'

Surface Location									
UL or Lot H	Sec. 32	Twp. 25 N.	Rge. 11 W.	Lot Lch.	Feet From 1675'	North/South NORTH	Feet From 680'	East/West EAST	County SAN JUAN

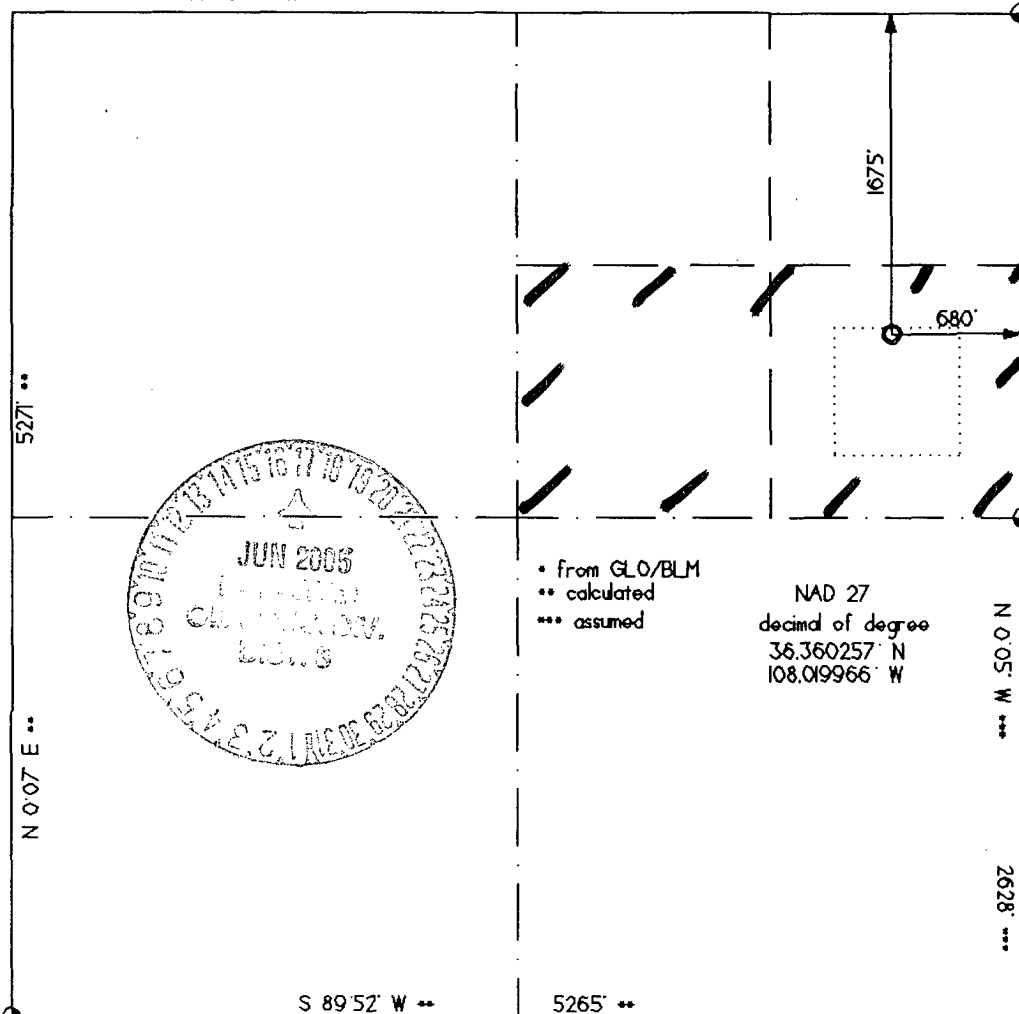
Bottom Hole Location if Different From Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot Lch.	Feet From	North/South	Feet From	East/West	County

Dedication 80	Joint ? .	Consolidation .	Order No.
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NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

N 89°58' W •

5247



OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Brian Wood

Printed Name **BRIAN WOOD**

Title **CONSULTANT**

Date **JUNE 14, 2005**

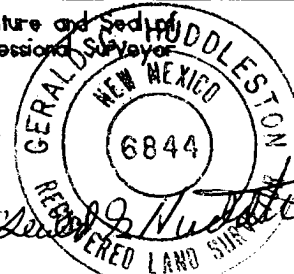
SURVEYOR CERTIFICATION

I hereby certify that the well location 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.

Date of Survey

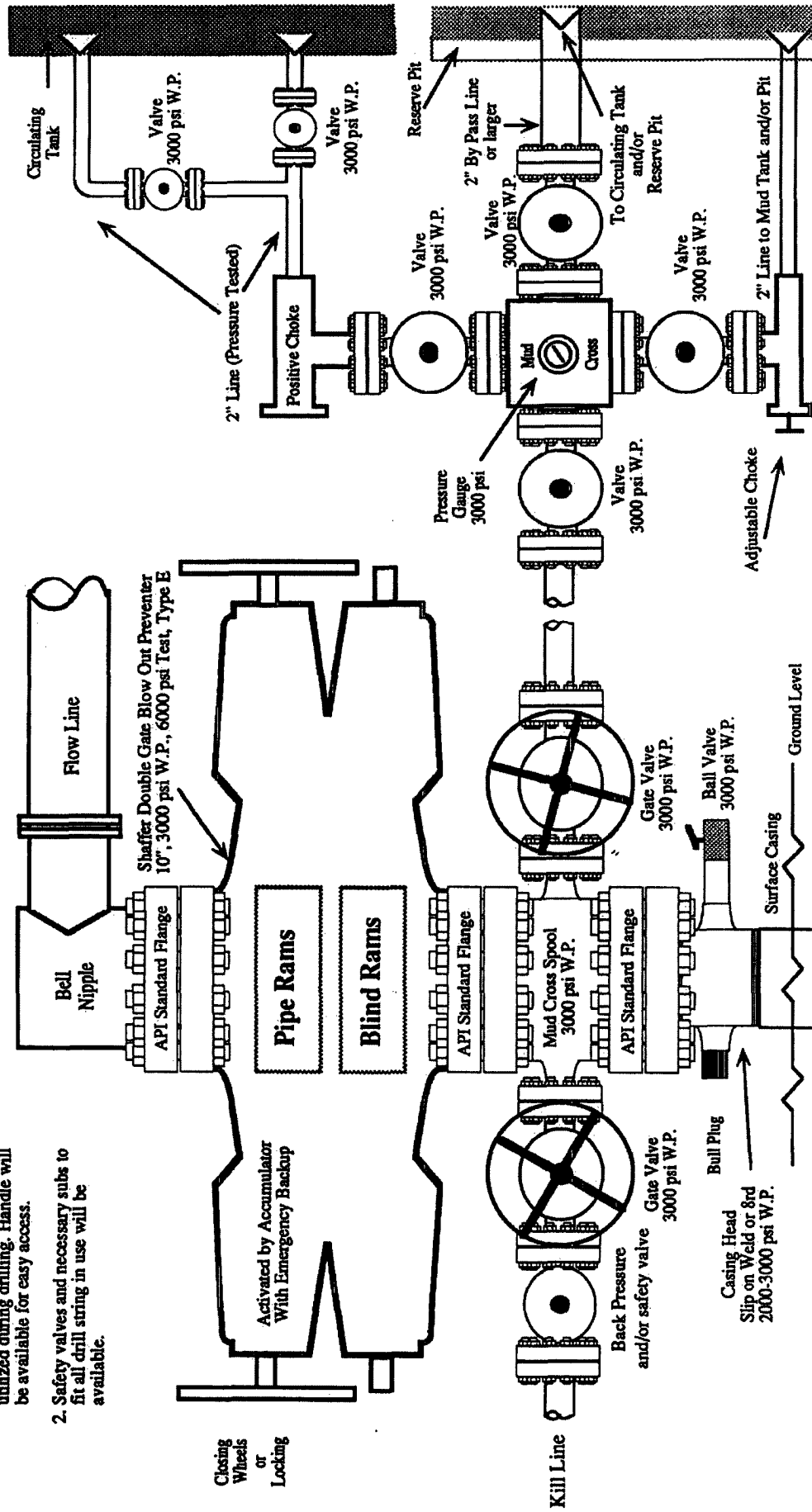
04/19/05

Signature and Seal of Professional Surveyor



2,000 PSI BOP SYSTEM

- Note: 1. An upper Kelly cock valve will be utilized during drilling. Handle will be available for easy access.
2. Safety valves and necessary subs to fit all drill string in use will be available.



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.