State of New Mexico

Form C-101 Permit 109706

Energy, Minerals and Natural Resources

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

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

1. Operato	r Name and Address	2. OGRID Number	
	CIMAREX ENERGY CO. OF COLORADO		
15 E 5TH STREET TULSA , OK 74103		3. API Number	
		30-015-37632	
4. Property Code	5. Property Name	6. Well No.	
26354	MAGNUM 16 STATE	003	

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	16	198	29E	P	330	S	810	E	EDDY

8. Pool Information

PARKWAY:BONE SPRING 49622

Additional Well Information

9. Work Type New Well	10. Wett Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3349
14. Multiple N	The state of the s		17. Contractor	18. Spud Date 3/15/2010
Depth to Ground	water	Distance from nearest f	fresh water well	Distance to nearest surface water
Pit: Liner: Synthetic Closed Loop Syste	mils ti	nick Clay Pit Volume:	bbls Drilling Method: Fresh Water X Brine	Diesel/Oil-based Gas/Air

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	615	0
Int1	12.25	9.625	40	2500	700	0
Prod	8.75	7	26	7719	700	2300
Liner1	6.125	4.5	11.6	12509	0	
Prod	8.75	2.875	2.18	8100	0	

Casing/Cement Program: Additional Comments

Drill pilot hole to 8100.' Set 7" to 7719' and then fiberglass tubing from 7719' to 8100.' Cement to 2300' and kick off 6.125" hole @ 7779.' Drill to TD @ 12509' and put in PEAK completion liner from TOL @ 7619' to TD. No cement required on PEAK liner.

Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Cameran

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	OIL CONSERVATION DIVISION			
NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .	Approved By: Jacqueta Reev	res		
Printed Name: Electronically filed by Zeno Farris	Title: District Geologist			
Title: Manager Operations Administration	Approved Date: 3/4/2010	Expiration Date: 3/4/2012		
Email Address: zfarris@magnumhunter.com		the district of the last section of		
Date: 2/18/2010 Phone: 972-443-6489	į.			

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

District I

1301 W. Grand Ave., Artesia, NM 88210 Phone:(505) 748-1283 Fax:(505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code		Pool Name
30-015-37632	49622	12.000 5000000	7;BONE SPRING
4. Property Code	5. Property		6. Well No.
26354	MAGNUM 16 STATE		003
7. OGRID No.	8. Operator		9. Elevation
162683	CIMAREX ENERGY CO		3349

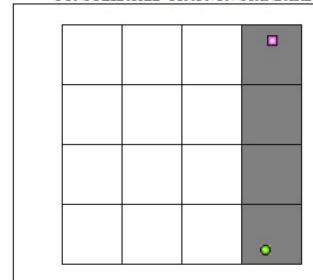
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	16	198	29E	1.	330	S	810	E	EDDY

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	16	198	29E	A	330	N	660	E	EDDY
V 22 20 10 10 10 10 10	cated Acres	13. J	oint 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



OPERATOR CERTIFICATION

Form C-102

Permit 109706

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(s) 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.

E-Signed By: Zeno Farris

Title: Manager Operations Administration

Date: 2/18/2010

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.

Surveyed By: Gary L. Jones Date of Survey: 12/18/2009 Certificate Number: 7977

Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683 Well: MAGNUM 16 STATE #003

API: 30-015-37632

Created By	Comment	Comment Date
NKRUEGER	Mud, casing, cement, and BOP plans, as well as a C-102 and a preliminary directional plan, and a C-144 will all be emailed to Jacqui Reeves.	2/18/2010