<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

#### State of New Mexico

Form C-101 Permit 65468

### **Energy, Minerals and Natural Resources**

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

	C	IMAREX I		e and Address O. OF COLORAI NOR BLVD.	00		2. OGRID Number 162683			
			RVING, T					3. API Nu		
								30-025-	38631	
	4. Property Cod	e			perty Nam				6. Well No.	
	300523	13		LAGUN.	A DEEP I	UNIT			018	
				7. Surfa	ce Loca	ation				
UL - Lot		Township	20.5%		t From	N/S Line		E/W Line		
L	36	19S	33E	L	1980	S	660	W	LEA	
				8. Pool	Informa	ation				
PACHE	E RIDGE;BOI	NE SPRINC	}						2	
				Additional V	Vell Inf	ormation	ı	10.40		
9. Wo New	ak Type Well	10. <b>Well</b> OII	90.000	11. Cable/	Cotary			13. Gro	ound Level Elevation 3596	
14.1	Multiple	15. Propos	ed Depth	16. For	nation		17. Contractor		18. Spud Date	
	И			Bone S	pring			1/1/2008		
Depth to Ground water			Distance from nearest fresh water well				Distance to nearest surface water			
	60		mile thick				ng Mahad:	Distance t	o nearest surface water	
t: Liner	70000000000000000000000000000000000000		mils thick	Clay Pit Volume	:	bbls Drilli Fresh	Water Brine Trogram	Diesel/Oil-ba		
t: Liner Close	60 :: Symthetic ed Loop System Hole Size	▼ Casing T	<b>19. F</b>	Clay Pit Volume Proposed Casin Casing Weight/ft	g and C	bbls Drilli Fresh Cement P ing Depth	water Brine rogram Sacks of C	Diesel/Oil-ba	sed Gas/Air G	
t: Liner Closs	60 :: Synthetic   ed Loop System  Hole Size  17.5	Casing 7	<b>19. F</b> Sype	Clay Pit Volume Proposed Casin Casing Weight/ft 48	g and C	bbls Drilli Fresh Cement P ing Depth 1400	Water Brine Trogram Sacks of C	Diesel/Oil-ba	sed Gas/Air G Estimated TOC 0	
t: Liner Close Type Surf Int1	60 :: Synthetic Fed Loop System  Hole Size 17.5	Casing 7 13.37 8.62	19. F	Pit Volume Proposed Casin Casing Weight/ft 48 32	g and C	bbls Drilli Fresh Cement P ing Depth 1400 3200	Water   Brine	Diesel/Oil-ba	sed Gas/Air G Estimated TOC 0 0	
Liner Close Type Surf Int1	60 :: Synthetic   ed Loop System  Hole Size  17.5	Casing 7	19. F	Pin Volume Proposed Casin Casing Weight/ft 43 32 17	g and C	bbls Drilli Fresh Cement P ing Depth 1400 3200 10400	rogram Sacks of 0 105. 962	Diesel/Oil-ba	sed Gas/Air G Estimated TOC 0	
t: Liner Close Type Surf Int1	60 :: Synthetic Fed Loop System  Hole Size 17.5	Casing 7 13.37 8.62	19. F Type 25 5 Casing/	Proposed Casin Casing Weight/ft 48 32 17 /Cement Progr	g and C Sett	bbls Drilli Fresh Cement P ing Depth 1400 3200 10400 ditional (	rogram Sacks of 0 105. 962 1500 Comments	Diesel/Oil-ba	sed Gas/Air G Estimated TOC 0 0	
t: Liner Close Type Surf Int1	60 :: Synthetic	Casing 7 13.37 8.62	19. F	Pin Volume Proposed Casin Casing Weight/ft 43 32 17	g and C Sett	bbls Drilli Fresh Cement P ing Depth 1400 3200 10400 ditional (	rogram Sacks of 0 105. 962 1500 Comments	Diesel/Oil-ba	sed Gas/Air G Estimated TOC 0 0	
Liner Closs Type Surf Int1 Prod	60 :: Synthetic Fed Loop System  Hole Size 17.5	Casing 7 13.37 8.62	19. F	Pri Volume Proposed Casin Casing Weight/ft 43 32 17 Cement Progr	g and C Sett	bbls Drilli Fresh Gement P ing Depth 1400 3200 10400 ditional (	rogram Sacks of C 105. 962 1500 Comments	Diesel/Oil-ba	Estimated TOC 0 0 3100	
Liner Close  Type Surf Int1  Prod D  mereby centre comp know further common to the com	60  Synthetic   red Loop System  Hole Size   17.5   11   7.875  Type   OubleRam   rtify that the informatify that the informatify that the deput delegated in each of the each of the delegated in each of the delegated in each of the delegated in each of the each of the each of the delegated in each of the each o	Casing T 13.33 8.62 5.5	19. F Type T5 To Casing/  Casing/  Working the construction of the	Proposed Casin Casing Weight/ft 48 32 17 /Cement Progr  oposed Blowou ing Pressure	g and C Sett	bbls Drilling Fresh  Cement P ing Depth 1400 3200 10400  ditional (	rogram Sacks of C 105. 962 1500 Comments Pressure 000 CONSERVA	Diesel/Oil-ba	Estimated TOC  0  0 3100  Annufacturer  Cameran	
Liner Close  Type  Surf  Int1  Prod  D  mereby cer iny knov further como CD a  CD-appro	Hole Size  17.5  11  7.875  Type  OubleRam  ctify that the inforvedge and belief certify that the degraded from a coved plan	Casing T 13.33 8.62 5.5  mation given thilling pit w general pern	19. F Type  5 Casing/  Pro Works  above is true iil be construe iit , or an	Proposed Casin Casing Weight/ft 48 32 17 /Cement Progr  oposed Blowou ing Pressure 5000 and complete to the bacted according to (attached) alternative	g and C Sett  Appr	bbls Drilling Fresh Cement P ing Depth 1400 3200 10400 ditional (  Test I  OIL (  oved By: I	rogram Sacks of C 105. 962 1500 Comments Pressure 000 CONSERVA	Diesel/Oil-ba	Estimated TOC  0  0 3100  Manufacturer  Cameran	
Type   Close  Type   Surf   Int1   Prod   Description of the content of the conte	60  Synthetic   red Loop System  Hole Size   17.5   11   7.875  Type   OubleRam   rtify that the informatify that the informatify that the deput delegated in each of the each of the delegated in each of the delegated in each of the delegated in each of the each of the each of the delegated in each of the each o	Casing 1 13.33 8.62 5.5 5.5  mation gives thilling pit w general pen	19. F Type  75  Casing/  Pro Works  above is true iii be construe iii , or an iii	Proposed Casin Casing Weight/ft 48 32 17 /Cement Progr  oposed Blowou ing Pressure 5000 and complete to the bacted according to (attached) alternative	g and C Sett  Appr  Appr  Title:	bbls Drilling Fresh Cement P ing Depth 1400 3200 10400  ditional (  Test I  S  OIL (  oved By: I  Geologist	rogram Sacks of C 105. 962 1500 Comments Pressure 000 CONSERVA	Diesel/Oil-ba	Estimated TOC  0  0 3100  Manufacturer  Cameran	
Type   Close  Type   Surf   Int1   Prod    Description of the content of the cont	Type  OubleRam  Type  OubleRam  Type  OubleRam  Type  OubleRam  Type	Casing 7 13.33 8.62 5.5 5.5  mation given hilling pit w general perm nically filed ions Admir	19. F Type  Type  Type  Type  Type  Casing/  Pro  Working  above is true  above is true  the construction  by Zeno F instration	Proposed Casin Casing Weight/ft 48 32 17 /Cement Progr  oposed Blowou ing Pressure 5000 and complete to the bacted according to (attached) alternative	g and C Sett  Appr  Appr  Title:	bbls Drilling Fresh Cement P ing Depth 1400 3200 10400  ditional (  Test I  S  OIL (  oved By: I  Geologist	rogram Sacks of C 105. 962 1500 Comments Pressure 000 CONSERVA	Diesel/Oil-ba	Estimated TOC  0  0 3100  Manufacturer  Cameran	

District I

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

District II

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

Form C-102 Permit 65468

## Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

Santa Fe, NM 87505

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3 1	Pool Name
30-025-38631	2260		GE;BONE SPRING
4. Property Code	5. Property	Name	6. Well No.
300523	LAGUNA DI	018	
7. OGRID No.	8. Operator	Name	9. Elevation
162683	CIMAREX ENERGY C	3596	

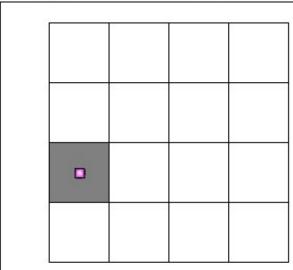
#### 10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	36	19S	33E		1980	S	660	w	LEA

#### 11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Т	ownship	Range	Lot	Lot Idn Feet From		N/S L	.ine	Feet From	E/W Line	County
0.757.0755	ated Acres		13. 3	Joint or Infill		14	. Consolidation   Unitization	26,4300			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

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: 12/5/2007

#### 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: 11/28/2007 Certificate Number: 7977

## **Permit Comments**

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683
Well: LAGUNA DEEP UNIT #018

API: 30-025-38631

Created By	Comment	Comment Date
NKRUEGER	C-144 will be emailed to Donna Mull.	12/5/2007
NKRUEGER	In accordance with NMAC 19.15.3.118 C. (1) governing the determination of the hydrogen sulfide concentration in gaseous mixtures in each of its operations, Cimarex Energy Co. does not anticipate that there will be enough H2S from the surface to the Bone Spring formation to meet the OCD's minimum requirements for the submission of a contingency plan for the drilling and completion of this test.	12/5/2007
NKRUEGER	There are no Potash leases on this leasehold. Plat will be emailed to Donna Mull.	12/5/2007
DMULL	OCD is holding intent to drill for response from the BLM & SLO per R-111-P.	12/6/2007
DMULL	OCD has received forms C-144 "Pit Registration" and C-102 showing No Potash Lessees.	12/6/2007
DMULL	Received response from the BLM & SLO.	12/12/2007

# Permit Conditions of Approval Operator: CIMAREX ENERGY CO. OF COLORADO , 162683 Well: LAGUNA DEEP UNIT #018

API: 30-025-38631

OCD Reviewer	Condition
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
DMULL	Well location in the Potash Area. Waiting on response from the Bureau of Land Management and State Land Office per R-111-P.
DMULL	Received response from the Bureau of Land Management and State Land Office.