

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBES OCD

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

DEC 04 2013

SUBMIT IN TRIPLICATE - Other instructions on reverse side. RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC063228
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
Contact: DEYSI FAVELA E-Mail: dfavela@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 NORTH MARIENFELD STREET STE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1964	8. Well Name and No. TRISTE DRAW 25 FEDERAL COM 3H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T20S R34E SESW Q4FSL 860FWL 23 32 380 1980		9. API Well No. 30-025-41150
		10. Field and Pool, or Exploratory TRISTE DRAW, BONE SPRING
		11. County or Parish, and State LEA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex Energy respectfully requests the following changes:

Footage FSL 1980 FWL
A new depth of the SHL at 380', the production casing to be ran all the way to TD at 15471'

See attachments

From: 330/S & 1980/W

Eng. Review 11/7/13 CRW OK Surface Leg. 11-26-2013

14. I hereby certify that the foregoing is true and correct. Electronic Submission #225520 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Hobbs Committed to AFMSS for processing by JOHNNY DICKERSON on 11/07/2013	
Name (Printed/Typed) DEYSI FAVELA	Title DRILLING TECHNICIAN
Signature (Electronic Submission)	Date 11/05/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>Stephen J. Calm</i>	Title FIELD MANAGER	DEC - 2 2013
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD FIELD OFFICE	

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.

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

DEC 09 2013

DISTRICT I
1026 N. French Dr., Hobbs, NM 88240
Phone (505) 893-8181 Fax: (505) 893-8720

DISTRICT II
611 S. First St., Artesia, NM 88210
Phone (505) 748-1250 Fax: (505) 748-0720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-6176 Fax: (505) 334-0170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3160 Fax: (505) 476-3163

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

30-025- API Number	17844 Page	Diamondfall, Bone Spring Pay Name
Property Code	Property Name TRISTE DRAW 25 FEDERAL	Well Number 3H
215095 OCRD No.	Operator Name CIMAREX ENERGY CO.	Elevation 3688

Surface Location

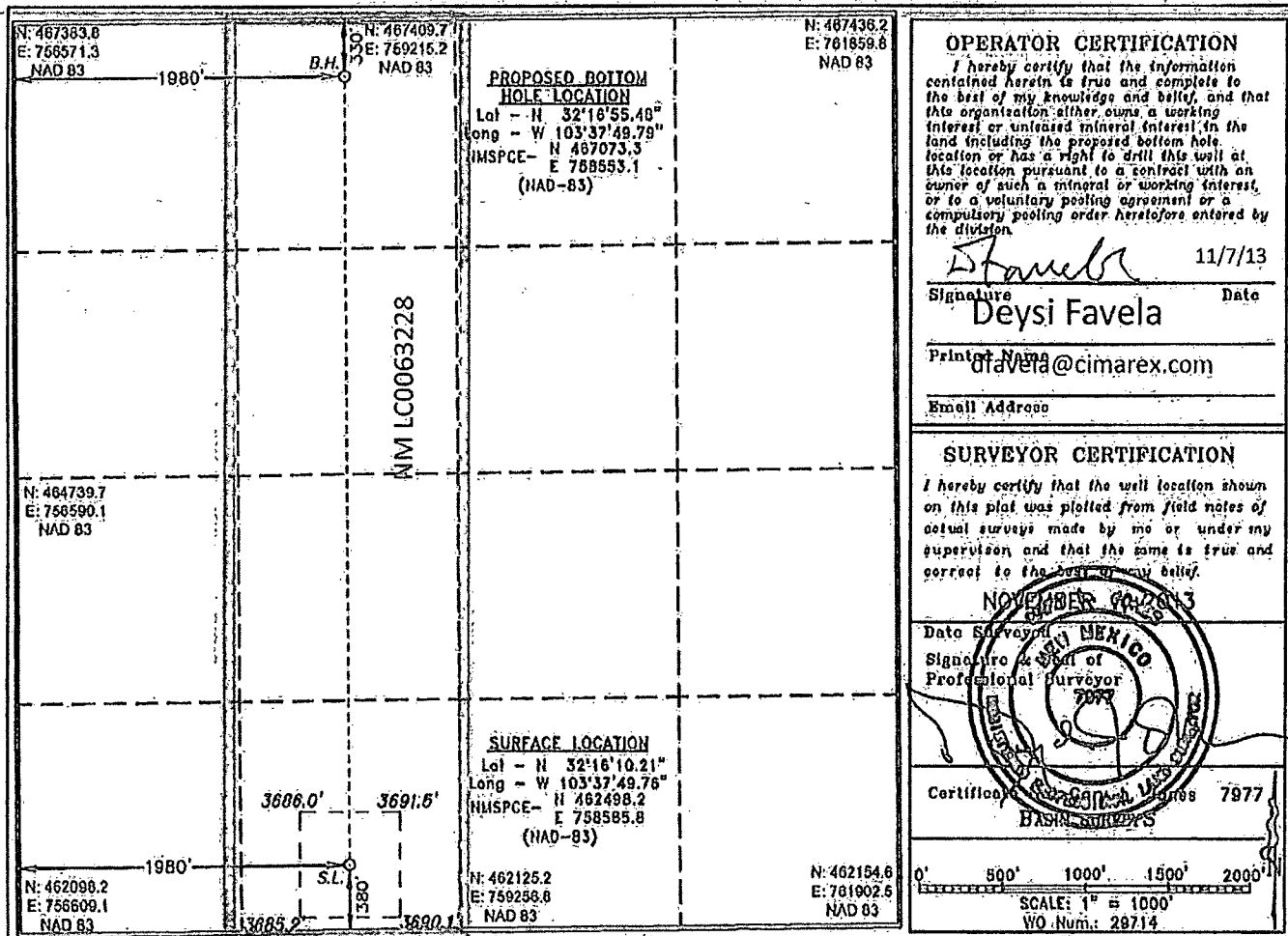
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	25	23 S	32 E		380	SOUTH	1980	WEST	LEA

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
C	25	23 S	32 E		330	NORTH	1980	WEST	LEA

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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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 undivided mineral interest in the location or has a right to drill the 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.

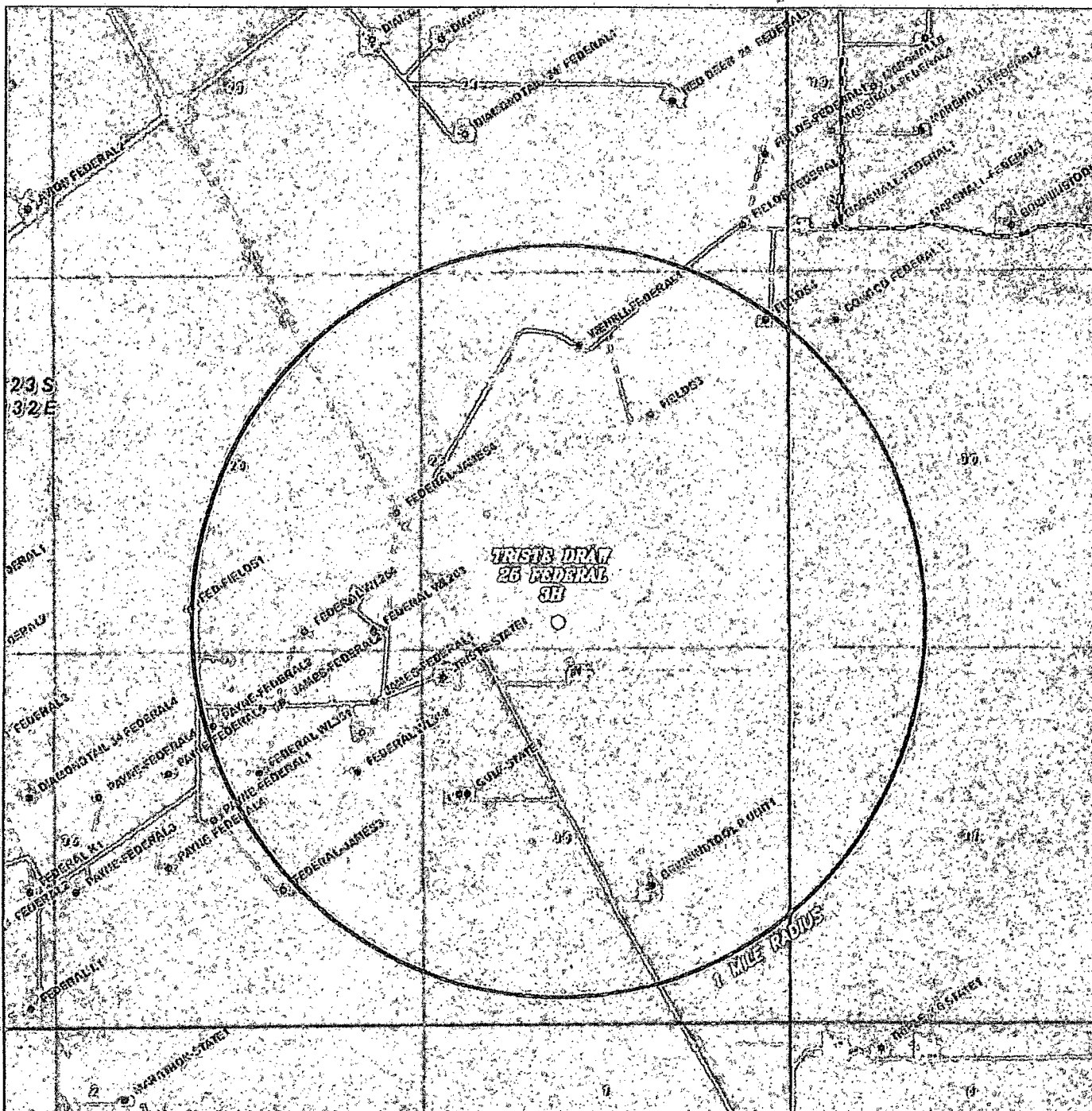
Signature: *Deysi Favela* Date: 11/7/13
Printer Name: dfavela@cimarex.com
Email Address:

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.

NOVEMBER 14, 2013
Date Surveyed: 11/7/13
Signature of Professional Surveyor: *[Signature]*
Professional Surveyor: 7977
Certificate: 7977
BASIC SURVEYING

Scale: 1" = 1000'
Well Number: 28714

* Amended



TRISTE DRAW 25 FEDERAL 3H

Located 380' FSL and 1980' FWL
 Section 25, Township 23 South, Range 32 East,
 N.M.P.M., Lea County, New Mexico.

basin
surveys
 focused on excellence
 in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin-surveys.com

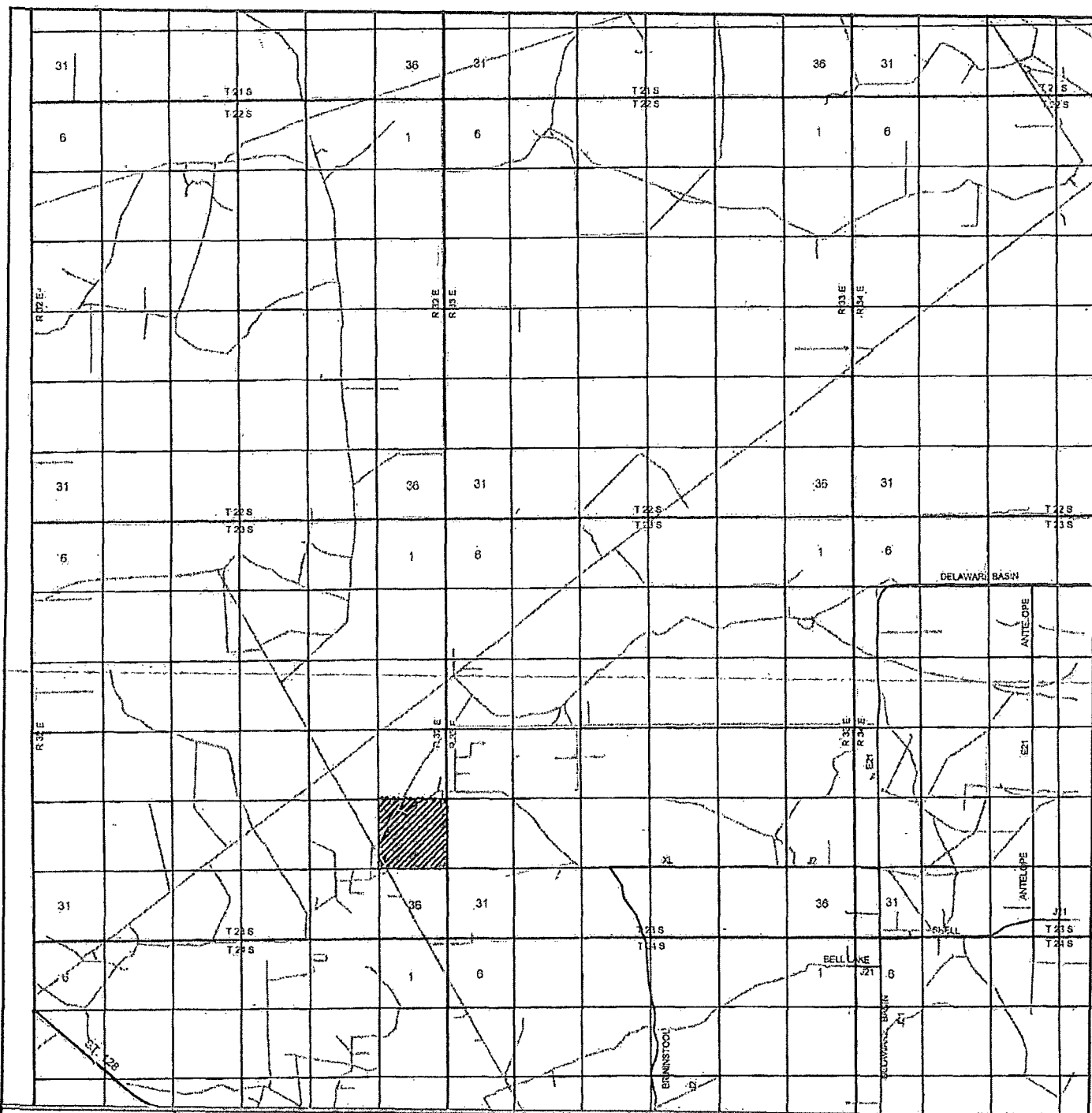
0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'

W.O. Number: JMS 29714

Survey Date: 11-01-2013

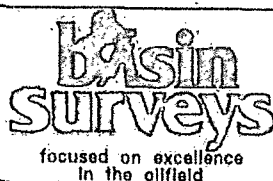
YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

CIMAREX
ENERGY CO.



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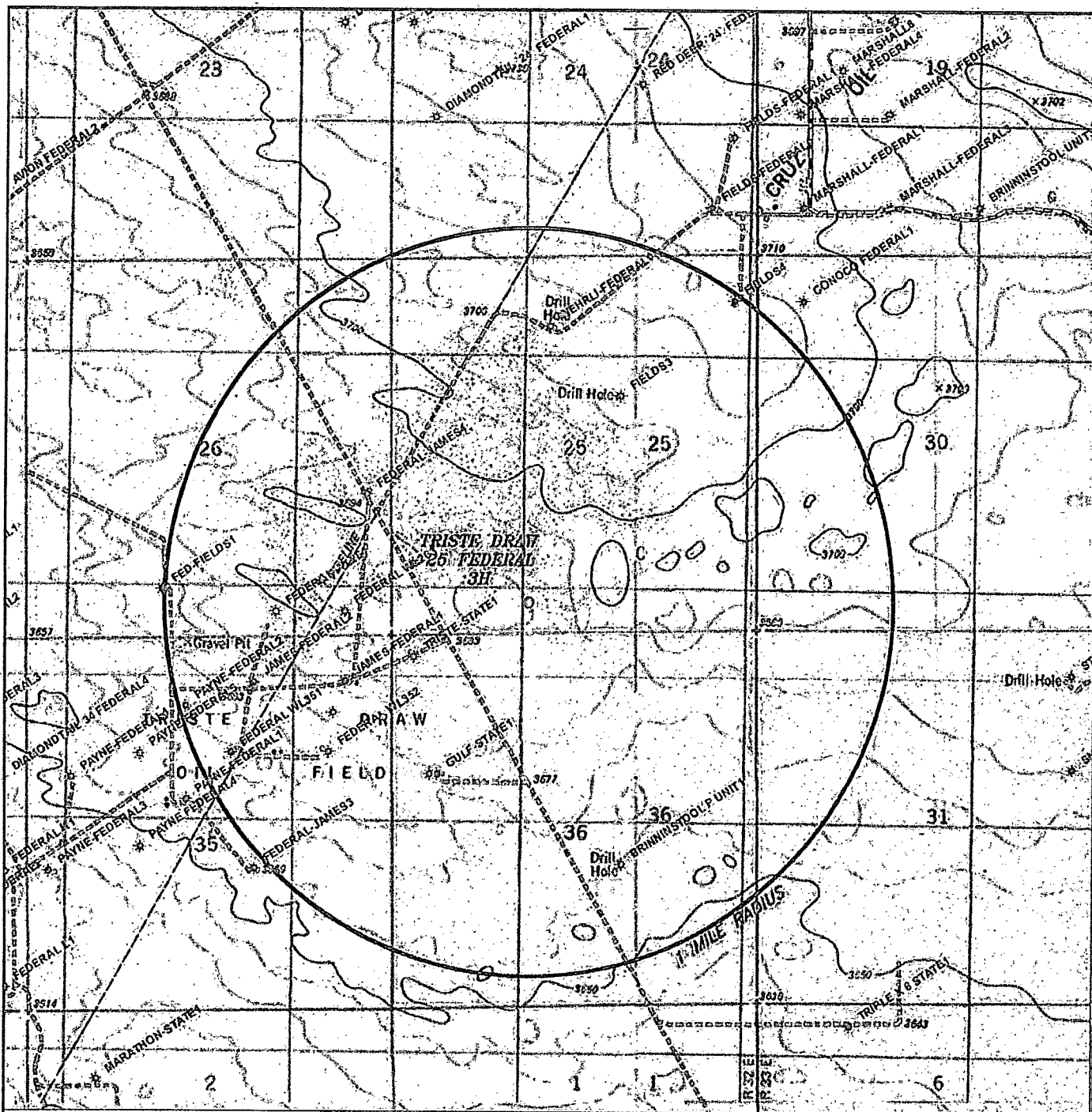
0 1 MI 2 MI 3 MI 4 MI
 SCALE: 1" = 2 MILES

W.O. Number: JMS 29714

Survey Date: 11-01-2013

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

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CIMAREX
 ENERGY CO.



Cimarex Triste Draw 25 Federal #3H ST01 Rev0 WEB 04-Nov-13 Proposal
Report 100' Interpolated
 (Non-Def Plan)



Report Date:	November 04, 2013 - 10:27 PM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	Cimarex	Vertical Section Azimuth:	359.590 ° (Grid North)
Field:	NM Lea County (NAD 83)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Cimarex Triste Draw 25 Federal #3H / Cimarex Triste Draw 25 Federal #3H	TVD Reference Datum:	Ground level
Well:	Cimarex Triste Draw 25 Federal #3H	TVD Reference Elevation:	3688.000 ft above MSL
Borehole:	ST01 Borehole	Seabed / Ground Elevation:	3688.000 ft above MSL
UWI / API#:	Unknown / Unknown	Magnetic Declination:	7.431 °
Survey Name:	Cimarex Triste Draw 25 Federal #3H ST01 Rev0 WEB 04-Nov-13	Total Gravity Field Strength:	998.4638mgn (9.80665 Based)
Survey Date:	November 04, 2013	Total Magnetic Field Strength:	48382.176 nT
Tort / AHD / DDI / ERD Ratio:	89.304 ° / 4575.395 ft / 5.754 / 0.410	Magnetic Dip Angle:	60.147 °
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Declination Date:	November 04, 2013
Location Lat / Long:	N 32° 16' 10.29506", W 103° 37' 49.61673"	Magnetic Declination Model:	BGM2013
Location Grid N/E Y/X:	N 462498.200 ftUS, E 758585.800 ftUS	North Reference:	Grid North
CRS Grid Convergence Angle:	0.3753 °	Grid Convergence Used:	0.3753 °
Grid Scale Factor:	0.99996314	Total Corr Mag North->Grid North:	7.0554 °
		Local Coord Referenced To:	Structure Reference Point

Comments	MD (ft)	Incl (°)	Azin Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)
S-L Cimarex Triste Draw 25 Federal #3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	N/A
	100.00	0.00	359.59	100.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	200.00	0.00	359.59	200.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	300.00	0.00	359.59	300.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	400.00	0.00	359.59	400.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	500.00	0.00	359.59	500.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	600.00	0.00	359.59	600.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	700.00	0.00	359.59	700.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	800.00	0.00	359.59	800.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	900.00	0.00	359.59	900.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	1000.00	0.00	359.59	1000.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	1100.00	0.00	359.59	1100.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	1200.00	0.00	359.59	1200.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	1300.00	0.00	359.59	1300.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	1400.00	0.00	359.59	1400.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	1500.00	0.00	359.59	1500.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	1600.00	0.00	359.59	1600.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	1700.00	0.00	359.59	1700.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	1800.00	0.00	359.59	1800.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	1900.00	0.00	359.59	1900.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	2000.00	0.00	359.59	2000.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	2100.00	0.00	359.59	2100.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	2200.00	0.00	359.59	2200.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	2300.00	0.00	359.59	2300.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	2400.00	0.00	359.59	2400.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	2500.00	0.00	359.59	2500.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	2600.00	0.00	359.59	2600.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	2700.00	0.00	359.59	2700.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	2800.00	0.00	359.59	2800.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	2900.00	0.00	359.59	2900.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	3000.00	0.00	359.59	3000.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	3100.00	0.00	359.59	3100.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	3200.00	0.00	359.59	3200.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	3300.00	0.00	359.59	3300.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	3400.00	0.00	359.59	3400.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	3500.00	0.00	359.59	3500.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	3600.00	0.00	359.59	3600.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	3700.00	0.00	359.59	3700.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	3800.00	0.00	359.59	3800.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	3900.00	0.00	359.59	3900.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	4000.00	0.00	359.59	4000.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	4100.00	0.00	359.59	4100.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	4200.00	0.00	359.59	4200.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	4300.00	0.00	359.59	4300.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	4400.00	0.00	359.59	4400.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	4500.00	0.00	359.59	4500.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	4600.00	0.00	359.59	4600.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	4700.00	0.00	359.59	4700.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	4800.00	0.00	359.59	4800.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	4900.00	0.00	359.59	4900.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	5000.00	0.00	359.59	5000.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	5100.00	0.00	359.59	5100.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	5200.00	0.00	359.59	5200.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	5300.00	0.00	359.59	5300.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	5400.00	0.00	359.59	5400.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	5500.00	0.00	359.59	5500.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	5600.00	0.00	359.59	5600.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	5700.00	0.00	359.59	5700.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	5800.00	0.00	359.59	5800.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	5900.00	0.00	359.59	5900.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	6000.00	0.00	359.59	6000.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	6100.00	0.00	359.59	6100.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	6200.00	0.00	359.59	6200.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	6300.00	0.00	359.59	6300.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	6400.00	0.00	359.59	6400.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	6500.00	0.00	359.59	6500.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	6600.00	0.00	359.59	6600.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	6700.00	0.00	359.59	6700.00	0.00	0.00	0.00	462498.20	758585.8					

Comments	MD (ft)	Incl (°)	Azin Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ° ' ° '')	Longitude (E/W ° ° ' ° '')	Closure (ft)	Closure Azimuth (°)	DLS (ft/100ft)
	7600.00	0.00	359.59	7600.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	7700.00	0.00	359.59	7700.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	7800.00	0.00	359.59	7800.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	7900.00	0.00	359.59	7900.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	8000.00	0.00	359.59	8000.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	8100.00	0.00	359.59	8100.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	8200.00	0.00	359.59	8200.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	8300.00	0.00	359.59	8300.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	8400.00	0.00	359.59	8400.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	8500.00	0.00	359.59	8500.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	8600.00	0.00	359.59	8600.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	8700.00	0.00	359.59	8700.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	8800.00	0.00	359.59	8800.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	8900.00	0.00	359.59	8900.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	9000.00	0.00	359.59	9000.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	9100.00	0.00	359.59	9100.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	9200.00	0.00	359.59	9200.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	9300.00	0.00	359.59	9300.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	9400.00	0.00	359.59	9400.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	9500.00	0.00	359.59	9500.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	9600.00	0.00	359.59	9600.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	9700.00	0.00	359.59	9700.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	9800.00	0.00	359.59	9800.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	9900.00	0.00	359.59	9900.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	10000.00	0.00	359.59	10000.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	10100.00	0.00	359.59	10100.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	10200.00	0.00	359.59	10200.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	10300.00	0.00	359.59	10300.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	10400.00	0.00	359.59	10400.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	10500.00	0.00	359.59	10500.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	10600.00	0.00	359.59	10600.00	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	10622.50	0.00	359.59	10622.50	0.00	0.00	0.00	462498.20	758585.80	N 32 16 10.30	W 103 37 49.62	0.00	0.00	0.00
	10700.00	9.30	359.59	10699.66	6.28	6.27	-0.04	462504.47	758585.76	N 32 16 10.35	W 103 37 49.62	6.28	359.59	12.00
	10800.00	21.30	359.59	10795.94	32.61	32.61	-0.23	462530.81	758585.57	N 32 16 10.62	W 103 37 49.62	32.61	359.59	12.00
	10900.00	33.30	359.59	10894.64	78.39	78.38	-0.56	462576.58	758585.24	N 32 16 11.07	W 103 37 49.62	78.39	359.59	12.00
	11000.00	45.29	359.59	10991.89	141.60	141.60	-1.01	462639.79	758584.79	N 32 16 11.70	W 103 37 49.62	141.60	359.59	12.00
	11100.00	57.29	359.59	11024.31	219.49	219.49	-1.57	462717.68	758584.23	N 32 16 12.47	W 103 37 49.62	219.49	359.59	12.00
	11200.00	69.29	359.59	11069.18	308.66	308.65	-2.21	462806.84	758583.59	N 32 16 13.35	W 103 37 49.62	308.66	359.59	12.00
	11300.00	81.29	359.59	11094.53	405.20	405.19	-2.90	462903.38	758582.90	N 32 16 14.30	W 103 37 49.62	405.20	359.59	12.00
	11366.78	89.30	359.59	11100.00	471.70	471.69	-3.38	462969.87	758582.42	N 32 16 14.96	W 103 37 49.62	471.70	359.59	12.00
	11400.00	89.30	359.59	11100.41	504.92	504.91	-3.51	463003.09	758582.19	N 32 16 15.22	W 103 37 49.62	504.92	359.59	0.00
	11500.00	89.30	359.59	11101.83	604.90	604.90	-4.33	463103.08	758581.47	N 32 16 16.28	W 103 37 49.62	604.91	359.59	0.00
	11600.00	89.30	359.59	11102.85	704.91	704.89	-5.04	463203.06	758580.76	N 32 16 17.27	W 103 37 49.62	704.91	359.59	0.00
	11700.00	89.30	359.59	11104.07	804.90	804.88	-5.76	463303.05	758580.04	N 32 16 18.26	W 103 37 49.62	804.90	359.59	0.00
	11800.00	89.30	359.59	11105.29	904.89	904.87	-6.47	463403.03	758579.33	N 32 16 19.25	W 103 37 49.62	904.89	359.59	0.00
	11900.00	89.30	359.59	11106.51	1004.88	1004.86	-7.19	463503.02	758578.61	N 32 16 20.24	W 103 37 49.62	1004.88	359.59	0.00
	12000.00	89.30	359.59	11107.73	1104.88	1104.85	-7.91	463603.01	758577.89	N 32 16 21.23	W 103 37 49.62	1104.88	359.59	0.00
	12100.00	89.30	359.59	11108.95	1204.87	1204.84	-8.62	463702.99	758577.18	N 32 16 22.22	W 103 37 49.62	1204.87	359.59	0.00
	12200.00	89.30	359.59	11110.17	1304.86	1304.83	-9.34	463802.98	758576.46	N 32 16 23.21	W 103 37 49.62	1304.86	359.59	0.00
	12300.00	89.30	359.59	11111.39	1404.85	1404.82	-10.05	463902.96	758575.75	N 32 16 24.20	W 103 37 49.62	1404.85	359.59	0.00
	12400.00	89.30	359.59	11112.61	1504.85	1504.81	-10.77	464002.95	758575.03	N 32 16 25.19	W 103 37 49.62	1504.85	359.59	0.00
	12500.00	89.30	359.59	11113.83	1604.84	1604.80	-11.48	464102.94	758574.32	N 32 16 26.18	W 103 37 49.62	1604.84	359.59	0.00
	12600.00	89.30	359.59	11115.05	1704.83	1704.79	-12.20	464202.92	758573.60	N 32 16 27.16	W 103 37 49.62	1704.83	359.59	0.00
	12700.00	89.30	359.59	11116.27	1804.83	1804.78	-12.91	464302.91	758572.89	N 32 16 28.15	W 103 37 49.62	1804.83	359.59	0.00
	12800.00	89.30	359.59	11117.49	1904.82	1904.77	-13.63	464402.90	758572.17	N 32 16 29.14	W 103 37 49.62	1904.82	359.59	0.00
	12900.00	89.30	359.59	11118.71	2004.81	2004.76	-14.34	464502.88	758571.46	N 32 16 30.13	W 103 37 49.62	2004.81	359.59	0.00
	13000.00	89.30	359.59	11119.93	2104.80	2104.75	-15.06	464602.87	758570.75	N 32 16 31.12	W 103 37 49.62	2104.80	359.59	0.00
	13100.00	89.30	359.59	11121.15	2204.80	2204.74	-15.77	464702.85	758570.03	N 32 16 32.11	W 103 37 49.62	2204.80	359.59	0.00
	13200.00	89.30	359.59	11122.37	2304.79	2304.73	-16.48	464802.84	758569.32	N 32 16 33.10	W 103 37 49.62	2304.79	359.59	0.00
	13300.00	89.30	359.59	11123.59	2404.78	2404.72	-17.20	464902.83	758568.60	N 32 16 34.09	W 103 37 49.62	2404.78	359.59	0.00
	13400.00	89.30	359.59	11124.81	2504.77	2504.71	-17.91	465002.81	758567.89	N 32 16 35.08	W 103 37 49.62	2504.77	359.59	0.00
	13500.00	89.30	359.59	11126.02	2604.77	2604.70	-18.63	465102.80	758567.17	N 32 16 36.07	W 103 37 49.62	2604.77	359.59	0.00
	13600.00	89.30	359.59	11127.24	2704.76	2704.69	-19.34	465202.78	758566.46	N 32 16 37.06	W 103 37 49.62	2704.76	359.59	0.00
	13700.00	89.30	359.59	11128.46	2804.75	2804.68	-20.06	465302.77	758565.74	N 32 16 38.05	W 103 37 49.62	2804.75	359.59	0.00
	13800.00	89.30	359.59	11129.68	2904.74	2904.67	-20.77	465402.76	758565.03	N 32 16 39.04	W 103 37 49.62	2904.74	359.59	0.00
	13900.00	89.30	359.59	11130.90	3004.74	3004.66	-21.49	465502.74	758564.31	N 32 16 40.03	W 103 37 49.62	3004.74	359.59	0.00
	14000.00	89.30	359.59	11132.11	3104.73	3104.65	-22.20	465602.73	758563.60	N 32 16 41.02	W 103 37 49.62	3104.73	359.59	0.00
	14100.00	89.30	359.59	11133.33	3204.72	3204.64	-22.91	465702.71	758562.89	N 32 16 42.01	W 103 37 49.62	3204.72	359.59	0.00
	14200.00	89.30	359.59	11134.55	330									



Cimarex

PATHFINDER
A Schlumberger Company

WELL	Triste Draw 25 Federal #3H	FIELD	NM Lea County	STRUCTURE	TBD
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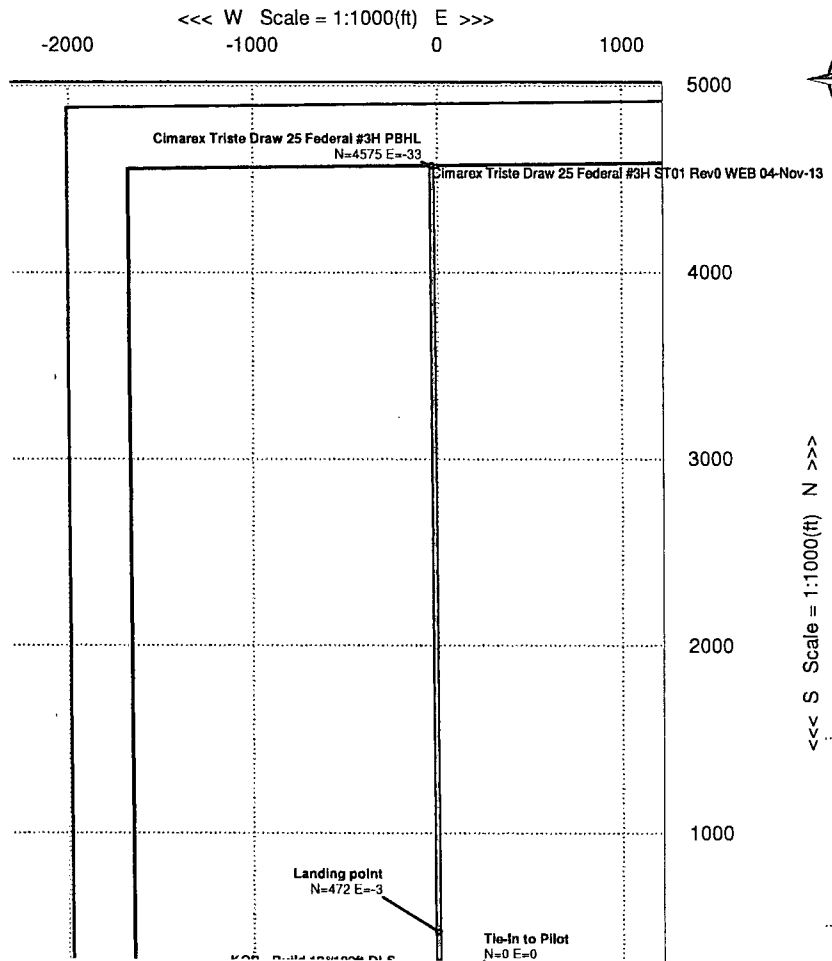
Magnetic Parameters				Surface Location				Miscellaneous								
Model	BGGV 2013	Dip:	80.147°	Date:	November 04, 2013	Lat:	N 32 16 10.295	Northing:	462486.20 NUS	Grid Conv:	0.375°	Plot:	Cimarex Triste Draw 25 Fader#3H	Ground level:	6368ft above MSL	
		Mag Dec:	7.431°		FS	48382.2mT	Lon:	W 103 37 48.617	Easting:	756585.80 NUS	Scale:	0.99996314	ST01 Rev0	WEB 04-Nov-13	Srvy Date:	November 04, 2013



Grid North
Tot Corr (M→G 7.0554")
Mag Dec (7.431")
Grid Conv (0.375")

8250

9000



PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Cimarex Energy Co. of Colorado
LEASE NO.:	NMNM-86154
WELL NAME & NO.:	Triste Draw 25 Federal Com 3
SURFACE HOLE FOOTAGE:	0330' FSL & 1980' FWL
BOTTOM HOLE FOOTAGE	0330' FNL & 1980' FWL
LOCATION:	Section 25, T. 23 S., R 32 E., NMPM
COUNTY:	Lea County, New Mexico

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Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

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I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Timing Limitation Stipulation / Condition of Approval for lesser prairie-chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 feet from the source of the noise.

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at 575-234-5972.

Communitization Agreement

A Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the BLM. The effective date of the agreement shall be prior to any sales. In addition, the well sign shall include the surface and bottom hole lease numbers. If the Communitization Agreement number is known, it shall also be on the sign. If not, it shall be placed on the sign when the sign is replaced.

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5909 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall stockpile the topsoil in a low profile manner in order to prevent wind/water erosion of the topsoil. The topsoil to be stripped is approximately 6 inches in depth. The topsoil will be used for interim and final reclamation.

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. ON LEASE ACCESS ROADS

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty (20) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

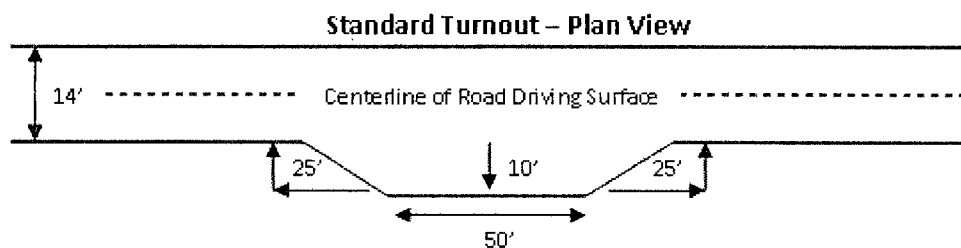
Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

Ditching

Ditching shall be required on both sides of the road.

Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:

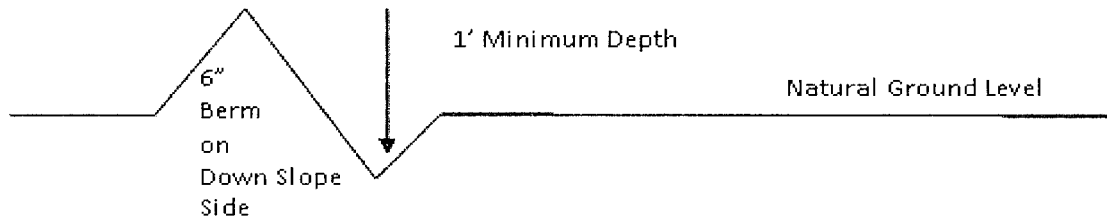


Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outslowing and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

$$400 \text{ foot road with } 4\% \text{ road slope: } \frac{400'}{4\%} + 100' = 200' \text{ lead-off ditch interval}$$

Culvert Installations

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow crossing.

Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

Fence Requirement

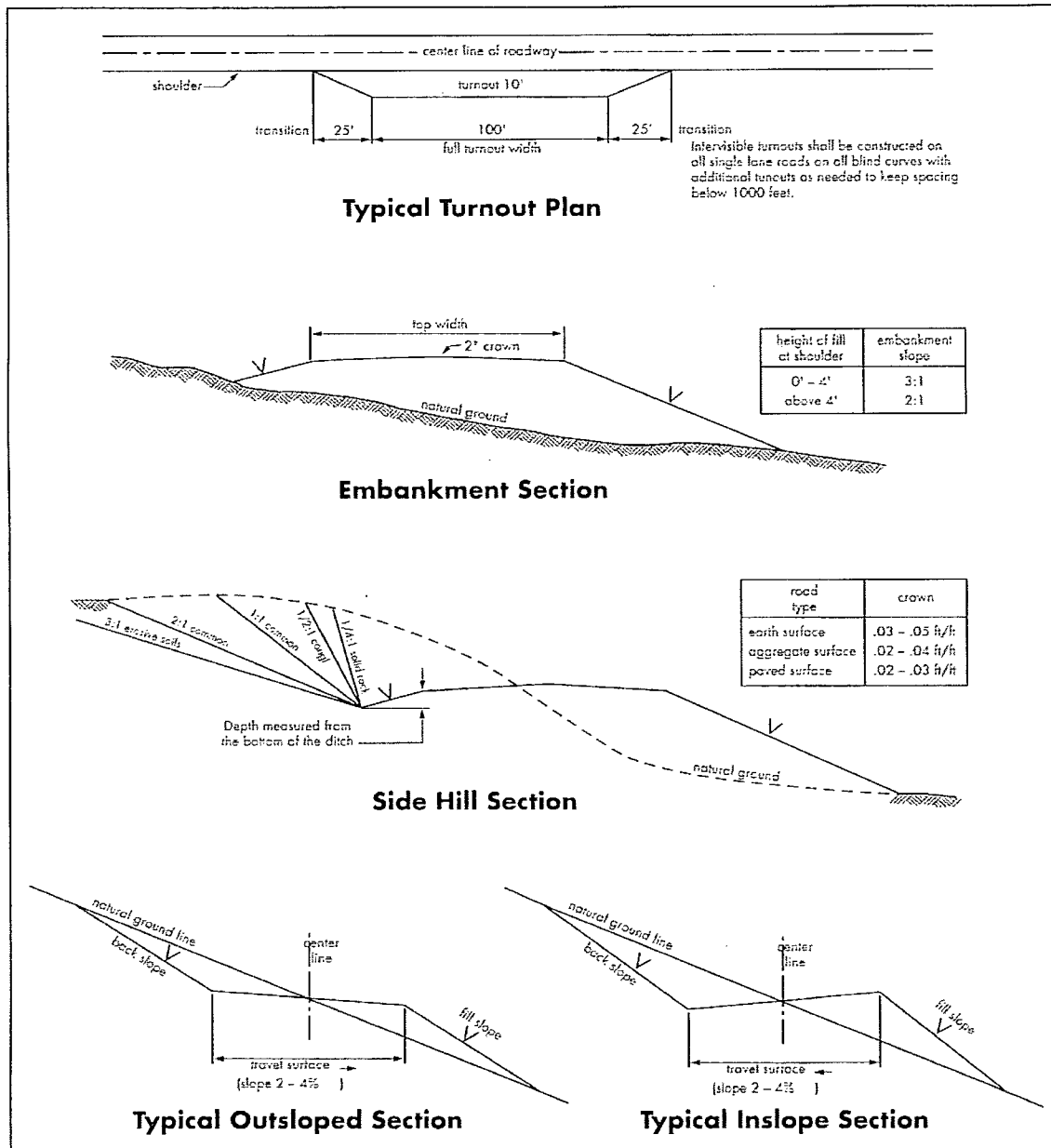
Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Figure 1 – Cross Sections and Plans For Typical Road Sections



VII. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ **Lea County**

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 393-3612

1. A Hydrogen Sulfide (H₂S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. **As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.**
2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. **If the drilling rig is removed without approval – an Incident of Non-Compliance will be written and will be a “Major” violation.**
3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works is located, this does not include the dog house or stairway area.
4. **The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.**

B. CASING

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.).

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time prior to drilling out for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Possible water and brine flows in the Salado and Castile Groups.

Possible lost circulation in the Delaware and Bone Springs.

1. The **13-3/8 inch** surface casing shall be set at approximately **1320 feet (in a competent bed below the Magenta Dolomite, which is a Member of the Rustler)** and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing, which shall be set at approximately **5000** feet, is:

☒ Cement to surface. If cement does not circulate see B.1.a, c-d above.

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

Centralizers approved as written.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

☒ Cement as proposed. Operator shall provide method of verification. **Excess calculates to negative 6% - Additional cement will be required.**

4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. **Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.** If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).

3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.
 - a. **For surface casing only:** If the BOP/BOPE is to be tested against casing, the wait on cement (WOC) time for that casing is to be met (see WOC statement at start of casing section). Independent service company required.
4. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** intermediate casing shoe shall be **5000 (5M)** psi. **5M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.**
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer.**
 - c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock.
 - d. The results of the test shall be reported to the appropriate BLM office.
 - e. All tests are required to be recorded on a calibrated test chart. **A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.**
 - f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

D. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

E. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

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VIII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color Shale Green, Munsell Soil Color Chart # 5Y 4/2

B. PIPELINES

BURIED PIPELINE STIPULATIONS

A copy of the application (Grant, APD, or Sundry Notice) and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the

authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of holder, regardless of fault. Upon failure of holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized right-of-way.

6. The pipeline will be buried with a minimum cover of 36 inches between the top of the pipe and ground level.

7. The maximum allowable disturbance for construction in this right-of-way will be 30 feet:

Clearing of brush species within the right-of-way will be allowed: maximum width of clearing operations will not exceed 30 feet. The trench and bladed area are included in this area. (Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.)

The remaining area of the right-of-way (if any) shall only be disturbed by compressing the vegetation. (Compressing can be caused by vehicle tires, placement of equipment, etc.)

8. The holder shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately 6 inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.

9. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

10. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this right-of-way and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire right-of-way shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted and a 6 inch berm will be left over the ditch line to allow for settling back to grade.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.

- | | |
|--|--|
| <input type="checkbox"/> seed mixture 1 | <input type="checkbox"/> seed mixture 3 |
| <input checked="" type="checkbox"/> seed mixture 2 | <input type="checkbox"/> seed mixture 4 |
| <input type="checkbox"/> seed mixture 2/LPC | <input type="checkbox"/> Aplomado Falcon Mixture |

13. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be color which simulates "Standard Environmental Colors" – Shale Green, Munsell Soil Color No. 5Y 4/2.

14. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.

15. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder before maintenance begins. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the holder to construct temporary deterrence structures.

16. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

17. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes associated roads, pipeline corridor and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

18. Escape Ramps - The operator will construct and maintain pipeline/utility trenches that are not otherwise fenced, screened, or netted to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them at least 100 yards from the trench.

For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30 degree slope and spaced no more than 500 feet apart) shall be placed in the trench.

19. Special Stipulations:

Lesser Prairie-Chicken

Oil and gas activities will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

C. ELECTRIC LINES

STANDARD STIPULATIONS FOR OVERHEAD ELECTRIC DISTRIBUTION LINES

A copy of the approved application and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the

reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. There will be no clearing or blading of the right-of-way unless otherwise agreed to in writing by the Authorized Officer.

5. Power lines shall be constructed in accordance to standards outlined in "Suggested Practices for Raptor Protection on Power lines, " Raptor Research Foundation, Inc., 1981. The holder shall assume the burden and expense of proving that pole designs not shown in the above publication are "raptor safe." Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all powerline structures placed on this right-of-way, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the holder without liability or expense to the United States.

6. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

7. The BLM serial number assigned to this authorization shall be posted in a permanent, conspicuous manner where the power line crosses roads and at all serviced facilities. Numbers will be at least two inches high and will be affixed to the pole nearest the road crossing and at the facilities served.

8. Upon cancellation, relinquishment, or expiration of this grant, the holder shall comply with those abandonment procedures as prescribed by the Authorized Officer.

9. All surface structures (poles, lines, transformers, etc.) shall be removed within 180 days of abandonment, relinquishment, or termination of use of the serviced facility or

facilities or within 180 days of abandonment, relinquishment, cancellation, or expiration of this grant, whichever comes first. This will not apply where the power line extends service to an active, adjoining facility or facilities.

10. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken: Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at 575-234-5972.

IX. INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided below.

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

X. FINAL ABANDONMENT & RECLAMATION

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well.

Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sand love grass (<i>Eragrostis trichodes</i>)	1.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed