

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

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

Form C-144
March 12, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: Cimarex Energy Co. Telephone: 972-443-6489 e-mail address: zfarris@cimarex.com

Address: P.O. Box 140907, Irving, Tx 75014-0907

Facility or well name: Sunshine No. 1 API #: 30-025-38158 U/L or Qtr/QtrL Sec 13 T 15S R 37E

County: Lea Latitude 330058.8 N Longitude 1030939.4 W NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☐ State ☐ Private ☒ Indian ☐

Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Volume _____ bbl Closed system, cuttings to be hauled	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not. _____						
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	<table border="1"><tr><td>Less than 50 feet</td><td>(20 points)</td></tr><tr><td>50 feet or more, but less than 100 feet</td><td>(10 points)</td></tr><tr><td>100 feet or more</td><td>(0 points)</td></tr></table>	Less than 50 feet	(20 points)	50 feet or more, but less than 100 feet	(10 points)	100 feet or more	(0 points)
Less than 50 feet	(20 points)						
50 feet or more, but less than 100 feet	(10 points)						
100 feet or more	(0 points)						
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	<table border="1"><tr><td>Yes</td><td>(20 points)</td></tr><tr><td>No</td><td>(0 points)</td></tr></table>	Yes	(20 points)	No	(0 points)		
Yes	(20 points)						
No	(0 points)						
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	<table border="1"><tr><td>Less than 200 feet</td><td>(20 points)</td></tr><tr><td>200 feet or more, but less than 1000 feet</td><td>(10 points)</td></tr><tr><td>1000 feet or more</td><td>(0 points)</td></tr></table>	Less than 200 feet	(20 points)	200 feet or more, but less than 1000 feet	(10 points)	1000 feet or more	(0 points)
Less than 200 feet	(20 points)						
200 feet or more, but less than 1000 feet	(10 points)						
1000 feet or more	(0 points)						
Ranking Score (Total Points) 20							

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location:

onsite ☐ offsite ☐ If offsite, name of facility _____ (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 10-05-06

Printed Name/Title Zeno Farris Manager Operations Administration

Signature Zeno Farris

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Date: 10/6/06

Printed Name/Title CHRIS WILLIAMS / DIST SUPL

Signature Chris Williams

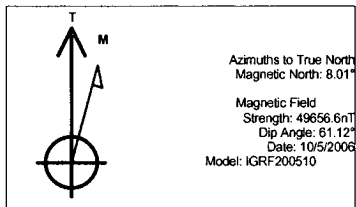


Project: Lea County (NAD 83)
 Site: Sunshine #1
 Well: Sunshine #1
 Wellbore: Lateral #1
 Plan: Plan #1 (Sunshine #1/Lateral #1)



PROJECT DETAILS: Lea County (NAD 83)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

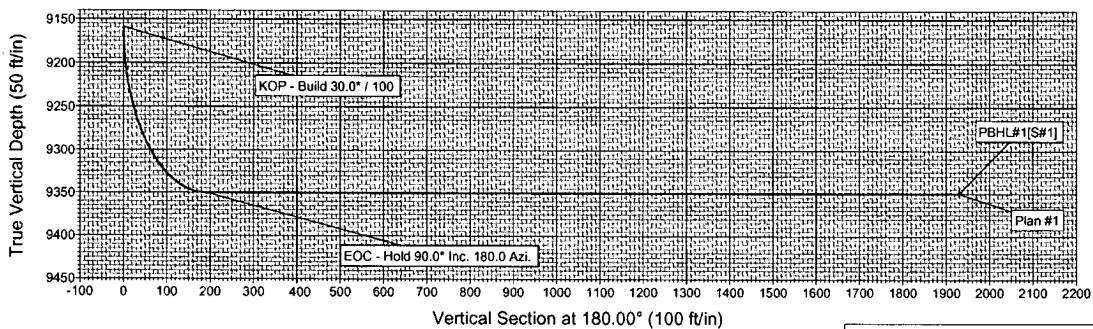
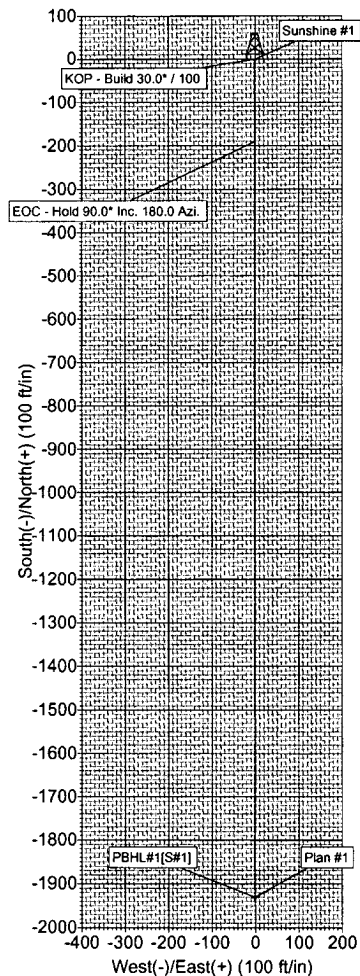


ANNOTATIONS

TVD	MD	Annotation
9159.01	9159.01	KOP - Build 30.0° / 100
9350.00	9459.01	EOC - Hold 90.0° Inc. 180.0 Azi.

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	9159.00	0.00	0.00	9159.00	0.00	0.00	0.00	0.00	0.00	
2	9159.01	0.00	0.00	9159.01	0.00	0.00	0.00	0.00	0.00	
3	9459.01	90.00	180.00	9350.00	-190.99	0.00	30.00	180.00	190.99	
4	11198.03	90.00	180.00	9350.00	-1930.00	0.00	0.00	0.00	1930.00	PBHL#1[S#1]



Plan: Plan #1 (Sunshine #1/Lateral #1)
 Created By: L.D. Burton Date: 10/05/2006



Cimarex Energy Co., Inc.

Lea County (NAD 83)

Sunshine #1

Sunshine #1

Lateral #1

Plan: Plan #1

Standard Survey Report

05 October, 2006





Black Viper Energy Survey Report



Company: Cimarex Energy Co., Inc.
Project: Lea County (NAD 83)
Site: Sunshine #1
Well: Sunshine #1
Wellbore: Lateral #1
Design: Plan #1

Local Co-ordinate Reference: Site Sunshine #1
TVD Reference: WELL @ 0.00ft (Original Well Elev)
MD Reference: WELL @ 0.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.14.1.0 Server DB

Project Lea County (NAD 83)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Sunshine #1

Site Position: Northing: 733,549.78 ft Latitude: 33° 0' 39.665 N
From: Map Easting: 900,711.19 ft Longitude: 103° 9' 39.642 W
Position Uncertainty: 0.00 ft Slot Radius: " Grid Convergence: 0.64 °

Well Sunshine #1

Well Position +N/-S 0.00 ft Northing: 733,549.78 ft Latitude: 33° 0' 39.665 N
+E/-W 0.00 ft Easting: 900,711.19 ft Longitude: 103° 9' 39.642 W
Position Uncertainty 0.00 ft Wellhead Elevation: ft Ground Level: 0.00 ft

Wellbore Lateral #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	10/5/2006	8.01	61.12	49,657

Design Plan #1

Audit Notes:

Version: Phase: PROTOTYPE Tie On Depth: 9,159.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	180.00

Survey Tool Program Date 10/5/2006

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
9,159.00	11,198.03	Plan #1 (Lateral #1)	MWD	Standard MWD

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,159.01	0.00	0.00	9,159.01	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Build 30.0° / 100									
9,459.01	90.00	180.00	9,350.00	-190.99	0.00	190.99	30.00	30.00	0.00
EOC - Hold 90.0° Inc. 180.0° Azi.									
11,198.03	90.00	180.00	9,350.00	-1,930.00	0.00	1,930.00	0.00	0.00	0.00



Black Viper Energy
Survey Report



Company: Cimarex Energy Co., Inc.
Project: Lea County (NAD 83)
Site: Sunshine #1
Well: Sunshine #1
Wellbore: Lateral #1
Design: Plan #1

Local Co-ordinate Reference: Site Sunshine #1
TVD Reference: WELL @ 0.00ft (Original Well Elev)
MD Reference: WELL @ 0.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.14.1.0 Server DB

Targets

Target Name

hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
PBHL#1[S#1]	0.00	0.00	9,350.00	-1,930.00	0.00	731,619.90	900,732.71	33° 0' 20.571 N	103° 9' 39.642 W
- plan hits target									
- Point									

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S	+E/-W	
		(ft)	(ft)	
9,159.01	9,159.01	0.00	0.00	KOP - Build 30.0° / 100
9,459.01	9,350.00	-190.99	0.00	EOC - Hold 90.0° Inc. 180.0 Azi.

Checked By: _____ Approved By: _____ Date: _____