

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
June 1, 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: <u>Cimarex Energy Co.</u> Telephone: <u>972-401-3111</u> e-mail address: <u>zfarris@cimarex.com</u>		
Address: <u>PO Box 140907, Irving, TX 75014-0907</u>		
Facility or well name: <u>Blanca 23 Fee No. 1</u> API #: <u>30-025-38955</u> U/L or Qtr/Qtr <u>H</u> Sec <u>23</u> T <u>15S</u> R <u>37E</u>		
County: <u>Lea</u> Latitude <u>33° 00' 15.02 N</u> Longitude <u>103° 09' 49.73 W</u> NAD: 1927 ☐ 1983 ☒		
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐		
Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness <u> </u> mil Clay ☐ Pit Volume <u> </u> bbl <u>closed system, cuttings hauled</u>	Below-grade tank Volume <u> </u> bbl Type of fluid: <u> </u> Construction material: <u> </u> Double-walled, with leak detection? Yes ☐ If not, explain why not <u> </u>	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) <u>45'</u>	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (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.)	Yes No	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (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: (check the onsite box if you are burying in place) 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.

Additional Comments:

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: 05.29.08

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:

Printed Name/Title: CHRIS WILLIAMS / DIST. SUPERVISOR Signature: Chris Williams Date: 6/2/08

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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 3D - 025-38955		Pool Code 17290	Pool Name Denton; Wolfcamp Wildcat
Property Code 37183	Property Name BLANCA "23" FEE		Well Number 1
OCRID No. 215099	Operator Name CIMAREX ENERGY CO.		Elevation 3774'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	23	15 S	37 E		2160	NORTH	480	EAST	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
A	23	15 S	37 E		330	NORTH	480	EAST	LEA
Dedicated Acres 80	Joint or Infill	Consolidation Code	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

BOTTOM HOLE LOCATION Lat - N33°00'33.12" Long - W103°09'49.76" NMSPC - N 732876.910 E 899855.606 (NAD-83) SURFACE LOCATION Lat - N33°00'15.02" Long - W103°09'49.75" NMSPC - N 731047.3 E 899877.7 (NAD-83)		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 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. <i>Zeno Farris</i> 05-29-08 Signature Date Zeno Farris Printed Name
	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. MAY 21 2008 Date Surveyed <i>Gary L. Jones</i> Signature of Professional Surveyor 7977 Certificate No. 764 Date of Survey Certificate No. Gary L. Jones 7977 BASIN SURVEYS	



Weatherford

Drilling Services

30-025-38955

Proposal



BLANCA 23 FEE #1

LEA COUNTY, NEW MEXICO

WELL FILE: **PLAN 1**

MAY 28, 2008

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com



BLANCA 23 FEE #1
LEA COUNTY, NEW MEXICO



Weatherford

SECTION DETAILS

Sec	MD	Inc	A/L	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	9147.00	0.00	0.00	9147.00	0.00	0.00	0.00	0.00	0.00	
3	9447.02	90.00	0.00	9338.00	191.00	0.00	30.00	0.00	191.00	
4	11086.02	90.00	0.00	9338.00	1830.00	0.00	0.00	0.00	1830.00	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#1	0.00	0.00	731047.30	899877.70	33°00'15.00"N	103°09'49.756"W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	9338.00	1830.00	0.00	732877.19	899857.35	Point

SITE DETAILS

BLANCA 23 FEE #1
2160' FNL 480' FEL of SEC 23, T-15-S, R-37-E

Site Centre Northing 731047.30
Easting 899877.70

Ground Level 3774.00
Positional Uncertainty 0.00
Convergence 0.64

FIELD DETAILS

Lea Co., NM (NAD 83)

Geodetic System US State Plane Coordinate System 1983
Ellipsoid GRS 1980
Zone New Mexico, Eastern Zone
Magnetic Model bggm2007

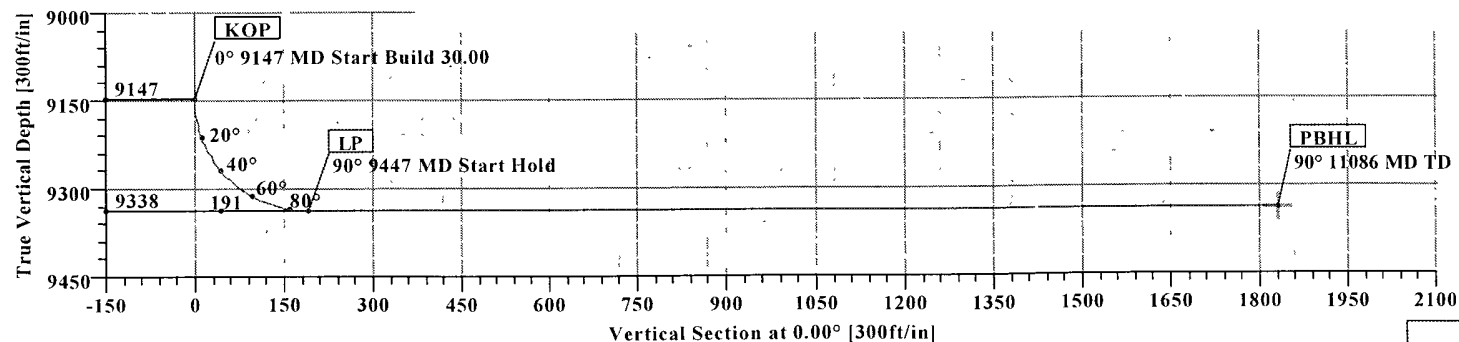
System Datum Mean Sea Level
Local North True North



Azimuths to True North
Magnetic North 7.86°

Magnetic Field
Strength 49495nT
Dip Angle 61.07°
Date 5/28/2008
Model bggm2007

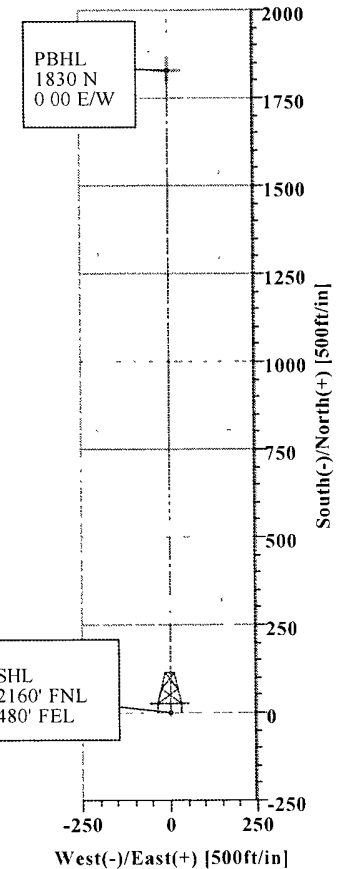
EST KB ELEV 3795'
GL ELEV 3774'



FORMATION TOP DETAILS

No	TVDPath	MDPath	Formation
1	2130.00	2130.00	Rusiler
2	3137.00	3137.00	Yates
3	3330.00	3330.00	Seven Rivers
4	3929.00	3929.00	Queen
5	4242.00	4242.00	Grayburg
6	4431.00	4431.00	San Andres
7	6640.00	6640.00	Glorieta
8	6859.00	6859.00	Blainebrv
9	7437.00	7437.00	Tubb
10	7677.00	7677.00	Drnkard
11	8091.00	8091.00	Abo
12	9319.00	9361.11	Wolfcamp

VERTICAL SECTION AT 0.00°



Plan Plan #1 (#1/1)

Created By: Lindsey Maddux

Date: 5/28/2008



Weatherford International, Inc.

Proposal Plan Report

**Weatherford**

Company: Cimarex		Date: 5/28/2008	Time: 16:27:15	Page: 1							
Field: Lea Co, NM (NAD 83)		Co-ordinate(NE) Reference: Site: BLANCA 23 FEE #1, True North									
Site: BLANCA 23 FEE #1		Vertical (TVD) Reference: SITE 3795.0									
Well: #1		Section (VS) Reference: Well (0.00N, 0.00E, 0.00Azi)									
Wellpath: 1		Survey Calculation Method: Minimum Curvature Db: Sybase									
Plan: Plan #1		Date Composed: 5/28/2008									
Principal: Yes		Version: 1									
		Tied-to: From Surface									
Field: Lea Co, NM (NAD 83)											
Map System: US State Plane Coordinate System 1983		Map Zone: New Mexico, Eastern Zone									
Geo Datum: GRS 1980		Coordinate System: Site Centre									
Sys Datum: Mean Sea Level		Geomagnetic Model: bggm2007									
Site: BLANCA 23 FEE #1											
2160' FNL 480' FEL of SEC 23, T-15-S, R-37-E											
Site Position:		Northing: 731047 30 ft	Latitude: 33 0 15.001 N								
From: Map		Easting: 899877 70 ft	Longitude: 103 9 49.756 W								
Position Uncertainty: 0.00 ft			North Reference: True								
Ground Level: 3774.00 ft			Grid Convergence: 0.64 deg								
Well: #1 Slot Name:											
Well Position: +N/-S 0.00 ft		Northing: 731047.30 ft	Latitude: 33 0 15.001 N								
+E/-W 0.00 ft		Easting: 899877 70 ft	Longitude: 103 9 49.756 W								
Position Uncertainty: 0.00 ft											
Wellpath: 1											
Current Datum: SITE		Height: 3795.00 ft	Drilled From: Surface								
Magnetic Data: 5/28/2008			Tie-on Depth: 0.00 ft								
Field Strength: 49495 nT			Above System Datum: Mean Sea Level								
Vertical Section: Depth From (TVD)		+N/-S	Declination: 7.86 deg								
ft		ft	Mag Dip Angle: 61.07 deg								
			+E/-W	Direction							
			ft	deg							
0.00		0.00	0.00	0.00							
Plan Section Information											
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
9147.00	0.00	0.00	9147.00	0.00	0.00	0.00	0.00	0.00	0.00		
9447.02	90.00	0.00	9338.00	191.00	0.00	30.00	30.00	0.00	0.00		
11086.02	90.00	0.00	9338.00	1830.00	0.00	0.00	0.00	0.00	0.00	PBHL	
Survey											
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	TFO deg	Comment
9100.00	0.00	0.00	9100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9147.00	0.00	0.00	9147.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
9150.00	0.90	0.00	9150.00	0.02	0.00	0.02	30.00	0.00	30.00	0.00	
9160.00	3.90	0.00	9159.99	0.44	0.00	0.44	30.00	0.00	30.00	0.00	
9170.00	6.90	0.00	9169.94	1.38	0.00	1.38	30.00	0.00	30.00	0.00	
9180.00	9.90	0.00	9179.84	2.84	0.00	2.84	30.00	0.00	30.00	360.00	
9190.00	12.90	0.00	9189.64	4.82	0.00	4.82	30.00	0.00	30.00	0.00	
9200.00	15.90	0.00	9199.32	7.31	0.00	7.31	30.00	0.00	30.00	0.00	
9210.00	18.90	0.00	9208.86	10.30	0.00	10.30	30.00	0.00	30.00	360.00	
9220.00	21.90	0.00	9218.24	13.78	0.00	13.78	30.00	0.00	30.00	0.00	
9230.00	24.90	0.00	9227.41	17.75	0.00	17.75	30.00	0.00	30.00	0.00	
9240.00	27.90	0.00	9236.37	22.20	0.00	22.20	30.00	0.00	30.00	0.00	
9250.00	30.90	0.00	9245.08	27.11	0.00	27.11	30.00	0.00	30.00	0.00	
9260.00	33.90	0.00	9253.52	32.46	0.00	32.46	30.00	0.00	30.00	0.00	
9270.00	36.90	0.00	9261.67	38.25	0.00	38.25	30.00	0.00	30.00	0.00	
9280.00	39.90	0.00	9269.51	44.47	0.00	44.47	30.00	0.00	30.00	0.00	
9290.00	42.90	0.00	9277.01	51.08	0.00	51.08	30.00	0.00	30.00	360.00	



Weatherford International, Inc.

Proposal Plan Report

**Weatherford**

Company: Cimarex Date: 5/28/2008 Time: 16:27:15 Page: 2
Field: Lea Co., NM (NAD'83) Co-ordinate(NE) Reference: Site: BLANCA 23 FEE #1, True North
Site: BLANCA 23 FEE #1 Vertical (TVD) Reference: SITE 3795.0
Well: #1 Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	TFO deg	Comment
9300.00	45.90	0.00	9284.15	58.07	0.00	58.07	30.00	0.00	30.00	0.00	
9310.00	48.90	0.00	9290.92	65.43	0.00	65.43	30.00	0.00	30.00	0.00	
9320.00	51.90	0.00	9297.30	73.14	0.00	73.14	30.00	0.00	30.00	360.00	
9330.00	54.90	0.00	9303.26	81.16	0.00	81.16	30.00	0.00	30.00	0.00	
9340.00	57.90	0.00	9308.79	89.49	0.00	89.49	30.00	0.00	30.00	0.00	
9350.00	60.90	0.00	9313.88	98.10	0.00	98.10	30.00	0.00	30.00	0.00	
9360.00	63.90	0.00	9318.52	106.96	0.00	106.96	30.00	0.00	30.00	0.00	
9361.11	64.23	0.00	9319.00	107.95	0.00	107.95	30.00	0.00	30.00	360.00	Wolfcamp
9370.00	66.90	0.00	9322.68	116.05	0.00	116.05	30.00	0.00	30.00	0.00	
9380.00	69.89	0.00	9326.36	125.34	0.00	125.34	30.00	0.00	30.00	0.00	
9390.00	72.89	0.00	9329.55	134.82	0.00	134.82	30.00	0.00	30.00	0.00	
9400.00	75.89	0.00	9332.24	144.45	0.00	144.45	30.00	0.00	30.00	0.00	
9410.00	78.89	0.00	9334.42	154.21	0.00	154.21	30.00	0.00	30.00	0.00	
9420.00	81.89	0.00	9336.09	164.07	0.00	164.07	30.00	0.00	30.00	0.00	
9430.00	84.89	0.00	9337.24	174.00	0.00	174.00	30.00	0.00	30.00	0.00	
9440.00	87.89	0.00	9337.87	183.98	0.00	183.98	30.00	0.00	30.00	0.00	
9447.02	90.00	0.00	9338.00	191.00	0.00	191.00	30.00	0.00	30.00	0.00	LP
9500.00	90.00	0.00	9338.00	243.98	0.00	243.98	0.00	0.00	0.00	0.00	
9600.00	90.00	0.00	9338.00	343.98	0.00	343.98	0.00	0.00	0.00	0.00	
9700.00	90.00	0.00	9338.00	443.98	0.00	443.98	0.00	0.00	0.00	0.00	
9800.00	90.00	0.00	9338.00	543.98	0.00	543.98	0.00	0.00	0.00	0.00	
9900.00	90.00	0.00	9338.00	643.98	0.00	643.98	0.00	0.00	0.00	0.00	
10000.00	90.00	0.00	9338.00	743.98	0.00	743.98	0.00	0.00	0.00	0.00	
10100.00	90.00	0.00	9338.00	843.98	0.00	843.98	0.00	0.00	0.00	0.00	
10200.00	90.00	0.00	9338.00	943.98	0.00	943.98	0.00	0.00	0.00	0.00	
10300.00	90.00	0.00	9338.00	1043.98	0.00	1043.98	0.00	0.00	0.00	0.00	
10400.00	90.00	0.00	9338.00	1143.98	0.00	1143.98	0.00	0.00	0.00	0.00	
10500.00	90.00	0.00	9338.00	1243.98	0.00	1243.98	0.00	0.00	0.00	0.00	
10600.00	90.00	0.00	9338.00	1343.98	0.00	1343.98	0.00	0.00	0.00	0.00	
10700.00	90.00	0.00	9338.00	1443.98	0.00	1443.98	0.00	0.00	0.00	0.00	
10800.00	90.00	0.00	9338.00	1543.98	0.00	1543.98	0.00	0.00	0.00	0.00	
10900.00	90.00	0.00	9338.00	1643.98	0.00	1643.98	0.00	0.00	0.00	0.00	
11000.00	90.00	0.00	9338.00	1743.98	0.00	1743.98	0.00	0.00	0.00	0.00	
11086.02	90.00	0.00	9338.00	1830.00	0.00	1830.00	0.00	0.00	0.00	0.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
PBHL			9338.00	1830.00	0.00	732877.19	899857.35	33 0 33.106 N	103 9 49 756 W

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2130.00	2130.00	Rustler		0.00	0.00
3137.00	3137.00	Yates		0.00	0.00
3330.00	3330.00	Seven Rivers		0.00	0.00
3929.00	3929.00	Queen		0.00	0.00
4242.00	4242.00	Grayburg		0.00	0.00
4431.00	4431.00	San Andres		0.00	0.00
6640.00	6640.00	Glorieta		0.00	0.00
6859.00	6859.00	Blinberry		0.00	0.00



Weatherford International, Inc.

Proposal Plan Report



Weatherford

Company: Cimarex Date: 5/28/2008 Time: 16:27:15 Page: 3
Field: Lea Co, NM (NAD 83) Co-ordinate(NE) Reference: Site BLANCA 23 FEE #1, True North
Site: BLANCA 23 FEE #1 Vertical (TVD) Reference: SITE 3795.0
Well: #1 Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
7437.00	7437.00	Tubb		0.00	0.00
7677.00	7677.00	Drinkard		0.00	0.00
8091.00	8091.00	Abo		0.00	0.00
9361.11	9319.00	Wolfcamp		0.00	0.00
	0.00	Wolfcamp B		0.00	0.00

Annotation

MD ft	TVD ft	
9147.00	9147.00	KOP
9447.02	9338.00	LP
11086.02	9338.00	PBHL

Casing Points

MD	TVD	Diameter	Hole Size	Name