

DISTRICT I
1026 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-38603	Pool Code 17290	Pool Name Denton; Wolfcamp
Property Code 36828	Property Name HUMBOLDT "6" STATE COM	Well Number 1
OCRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3782'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	6	15 S	38 E		430	SOUTH	430	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
L	6	15 S	38 E		2310	SOUTH	430	WEST	LEA
Dedicated Acres 80	Joint or Infill	Consolidation Code P	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°02'43.6" Long - W103°08'37.1" NMSPCE - N 746129.576 E 905897.817 (NAD-83) SURFACE LOCATION Lat - N33°02'24.95" Long - W103°08'37.05" NMSPCE - N 744249.7 E 905919.4 (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> 11-12-07 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. OCTOBER 27, 2007 Date Surveyed Signature <i>Gary L. Jones</i> Professional Surveyor <i>GARY L. JONES</i> Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS

30-025-38603



Weatherford

Drilling Services

Proposal



HUMBOLDT 6 STATE COM #1

LEA COUNTY, NEW MEXICO

WELL FILE: **PLAN 1**

NOVEMBER 09, 2007

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com



HUMBOLDT 6 STATE COM #1 LEA COUNTY, NEW MEXICO



Weatherford®

SECTION DETAILS

Sec	MD	Inc	Aa	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	9188.01	0.00	0.00	9188.01	0.00	0.00	0.00	0.00	0.00	
3	9488.01	90.00	0.00	9379.00	190.99	0.00	30.00	0.00	190.99	
4	11607.03	90.00	0.00	9379.00	2310.00	0.00	0.00	0.00	2310.00	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#1	0.00	0.00	226847.31	276124.23	33°02'24.937N	103°08'37.068W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PBHL	9379.00	2310.00	0.00	Point

FIELD DETAILS

Lea Co., NM (NAD 83)

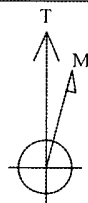
Geodetic System US State Plane Coordinate System 1983
Ellipsoid GRS 1980
Zone New Mexico, Eastern Zone
Magnetic Model bggm2006
System Datum Mean Sea Level
Local North True North

SITE DETAILS

HUMBOLDT 6 STATE COM
430' FSL 430' FWL of SEC 6, T-15-S, R-38-E

Site Centre Northing 226847.31
Easting 276124.23

Ground Level 3782.00
Positional Uncertainty 0.00
Convergence 0.65



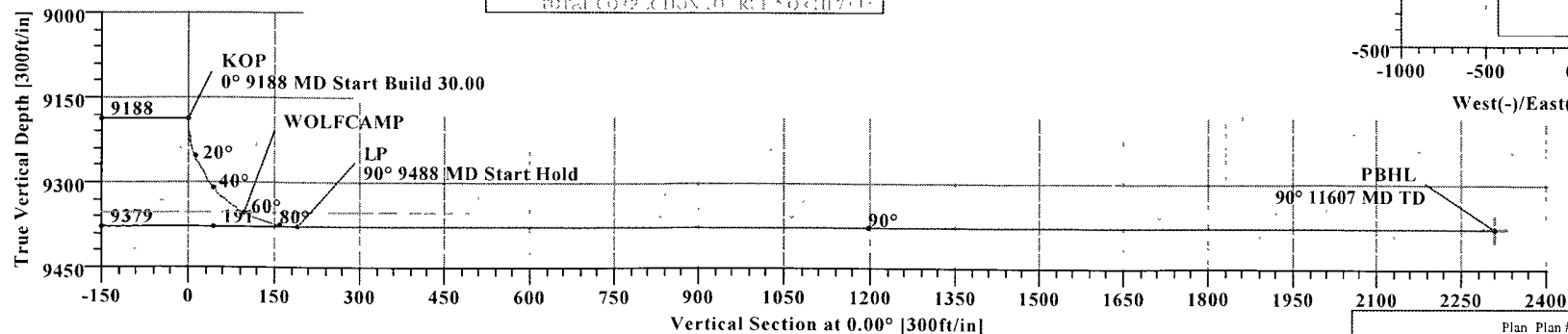
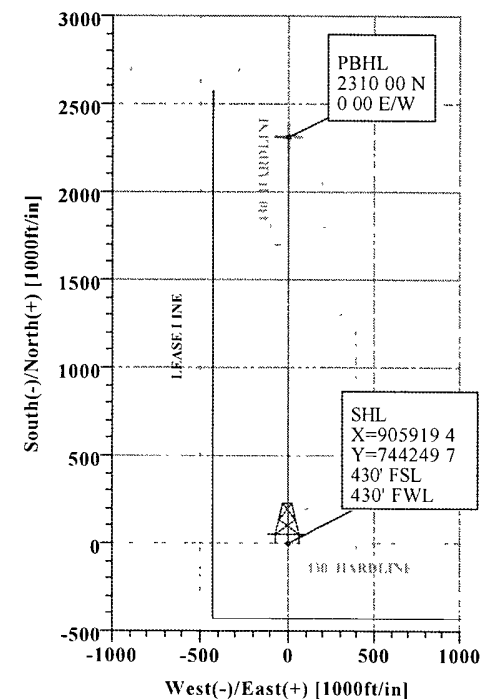
Azimuths to True North
Magnetic North 7.91°

Magnetic Field
Strength 49605nT
Dip Angle 61.14°
Date 11/9/2007
Model bggm2006

TOPAL CORPORATION, OREGON 97101

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	2187.00	2187.00	RUSTLER
2	3137.00	3137.00	YATES
3	3328.00	3328.00	SEVEN RIVERS
4	3925.00	3925.00	QUEEN
5	4260.00	4260.00	GRAYBURG
6	4416.00	4416.00	SAN ANDRES
7	6690.00	6690.00	GLORIETA
8	6930.00	6930.00	BLINEBRY
9	7496.00	7496.00	TUBB
10	7753.00	7753.00	DRINKARD
11	8165.00	8165.00	ABO
12	9354.00	9389.19	WOLFCAMP



Plan Plan #1 (#1/1)

Created By: Lindsey Maddux

Date 11/12/2007



Weatherford International, Inc.

Proposal Plan Report

**Weatherford®**

Company: Cimarex
Field: Lea Co, NM (NAD 83)
Site: HUMBOLDT 6 STATE COM
Well: #1
Wellpath: 1

Date: 11/12/2007
Co-ordinate(NE) Reference: Site HUMBOLDT 6 STATE COM, True North
Vertical (TVD) Reference: SITE 3804.0
Section (VS) Reference: Well (0.00N, 0.00E, 0.00Azi)
Survey Calculation Method: Minimum Curvature
Page: 1
Db: Sybase

Plan: Plan #1
Principal: Yes

Date Composed: 11/9/2007
Version: 1
Tied-to: From Surface

Field: Lea Co, NM (NAD 83)

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Site Centre
Geomagnetic Model: bggm2006

Site: HUMBOLDT 6 STATE COM

430' FSL 430' FWL of SEC 6, T-15-S, R-38-E

Site Position: Northing: 744249.70 ft Latitude: 33 2 24.937 N
From: Map Easting: 905919.40 ft Longitude: 103 8 37.068 W
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 3782.00 ft Grid Convergence: 0.65 deg

Well: #1 Slot Name:

Well Position: +N/-S 0.00 ft Northing: 744249.70 ft Latitude: 33 2 24.937 N
+E/-W 0.00 ft Easting: 905919.40 ft Longitude: 103 8 37.068 W
Position Uncertainty: 0.00 ft

Wellpath: 1

Current Datum: SITE Height 3804.00 ft
Magnetic Data: 11/9/2007
Field Strength: 49605 nT
Vertical Section: Depth From (TVD) +N/-S
ft ft
0.00 0.00

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 7.91 deg
Mag Dip Angle: 61.14 deg
+E/-W Direction
ft deg
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	
9188.01	0.00	0.00	9188.01	0.00	0.00	0.00	0.00	0.00	0.00	
9488.01	90.00	0.00	9379.00	190.99	0.00	30.00	30.00	0.00	0.00	
11607.03	90.00	0.00	9379.00	2310.00	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	Comment
9000.00	0.00	0.00	9000.00	0.00	0.00	0.00	0.00	0.00	0.00	
9100.00	0.00	0.00	9100.00	0.00	0.00	0.00	0.00	0.00	0.00	
9188.01	0.00	0.00	9188.01	0.00	0.00	0.00	0.00	0.00	0.00	KOP
9190.00	0.60	0.00	9190.00	0.01	0.00	0.01	30.00	0.00	30.00	
9200.00	3.60	0.00	9199.99	0.38	0.00	0.38	30.00	0.00	30.00	
9210.00	6.60	0.00	9209.95	1.26	0.00	1.26	30.00	0.00	30.00	
9220.00	9.60	0.00	9219.85	2.67	0.00	2.67	30.00	0.00	30.00	
9230.00	12.60	0.00	9229.66	4.60	0.00	4.60	30.00	0.00	30.00	
9240.00	15.60	0.00	9239.36	7.03	0.00	7.03	30.00	0.00	30.00	
9250.00	18.60	0.00	9248.92	9.97	0.00	9.97	30.00	0.00	30.00	
9260.00	21.60	0.00	9258.31	13.41	0.00	13.41	30.00	0.00	30.00	
9270.00	24.60	0.00	9267.51	17.33	0.00	17.33	30.00	0.00	30.00	
9280.00	27.60	0.00	9276.48	21.73	0.00	21.73	30.00	0.00	30.00	
9290.00	30.60	0.00	9285.22	26.59	0.00	26.59	30.00	0.00	30.00	
9300.00	33.60	0.00	9293.69	31.90	0.00	31.90	30.00	0.00	30.00	
9310.00	36.60	0.00	9301.87	37.65	0.00	37.65	30.00	0.00	30.00	
9320.00	39.60	0.00	9309.74	43.82	0.00	43.82	30.00	0.00	30.00	



Weatherford International, Inc.

Proposal Plan Report



Weatherford

Company: Cimarex
Field: Lea Co., NM (NAD 83)
Site: HUMBOLDT 6 STATE COM
Well: #1
Wellpath: 1

Date: 11/12/2007
Time: 09:53:13
Page: 2
Co-ordinate(NE) Reference: Site: HUMBOLDT 6 STATE COM, True North
Vertical (TVD) Reference: SITE 3804.0
Section (VS) Reference: Well (0.00N;0.00E,0.00Azi)
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	Comment
9330.00	42.60	0.00	9317.28	50.39	0.00	50.39	30.00	0.00	30.00	
9340.00	45.60	0.00	9324.46	57.35	0.00	57.35	30.00	0.00	30.00	
9350.00	48.60	0.00	9331.27	64.67	0.00	64.67	30.00	0.00	30.00	
9360.00	51.60	0.00	9337.68	72.34	0.00	72.34	30.00	0.00	30.00	
9370.00	54.60	0.00	9343.68	80.34	0.00	80.34	30.00	0.00	30.00	
9380.00	57.60	0.00	9349.26	88.64	0.00	88.64	30.00	0.00	30.00	
9389.19	60.35	0.00	9354.00	96.52	0.00	96.52	30.00	0.00	30.00	WOLFCAMP
9390.00	60.60	0.00	9354.40	97.22	0.00	97.22	30.00	0.00	30.00	
9400.00	63.60	0.00	9359.08	106.05	0.00	106.05	30.00	0.00	30.00	
9410.00	66.60	0.00	9363.29	115.12	0.00	115.12	30.00	0.00	30.00	
9420.00	69.60	0.00	9367.02	124.40	0.00	124.40	30.00	0.00	30.00	
9430.00	72.60	0.00	9370.26	133.86	0.00	133.86	30.00	0.00	30.00	
9440.00	75.60	0.00	9373.00	143.48	0.00	143.48	30.00	0.00	30.00	
9450.00	78.60	0.00	9375.23	153.22	0.00	153.22	30.00	0.00	30.00	
9460.00	81.60	0.00	9376.95	163.07	0.00	163.07	30.00	0.00	30.00	
9470.00	84.60	0.00	9378.15	173.00	0.00	173.00	30.00	0.00	30.00	
9480.00	87.60	0.00	9378.83	182.97	0.00	182.97	30.00	0.00	30.00	
9488.01	90.00	0.00	9379.00	190.99	0.00	190.99	30.00	0.00	30.00	LP
9500.00	90.00	0.00	9379.00	202.97	0.00	202.97	0.00	0.00	0.00	
9600.00	90.00	0.00	9379.00	302.97	0.00	302.97	0.00	0.00	0.00	
9700.00	90.00	0.00	9379.00	402.97	0.00	402.97	0.00	0.00	0.00	
9800.00	90.00	0.00	9379.00	502.97	0.00	502.97	0.00	0.00	0.00	
9900.00	90.00	0.00	9379.00	602.97	0.00	602.97	0.00	0.00	0.00	
10000.00	90.00	0.00	9379.00	702.97	0.00	702.97	0.00	0.00	0.00	
10100.00	90.00	0.00	9379.00	802.97	0.00	802.97	0.00	0.00	0.00	
10200.00	90.00	0.00	9379.00	902.97	0.00	902.97	0.00	0.00	0.00	
10300.00	90.00	0.00	9379.00	1002.97	0.00	1002.97	0.00	0.00	0.00	
10400.00	90.00	0.00	9379.00	1102.97	0.00	1102.97	0.00	0.00	0.00	
10500.00	90.00	0.00	9379.00	1202.97	0.00	1202.97	0.00	0.00	0.00	
10600.00	90.00	0.00	9379.00	1302.97	0.00	1302.97	0.00	0.00	0.00	
10700.00	90.00	0.00	9379.00	1402.97	0.00	1402.97	0.00	0.00	0.00	
10800.00	90.00	0.00	9379.00	1502.97	0.00	1502.97	0.00	0.00	0.00	
10900.00	90.00	0.00	9379.00	1602.97	0.00	1602.97	0.00	0.00	0.00	
11000.00	90.00	0.00	9379.00	1702.97	0.00	1702.97	0.00	0.00	0.00	
11100.00	90.00	0.00	9379.00	1802.97	0.00	1802.97	0.00	0.00	0.00	
11200.00	90.00	0.00	9379.00	1902.97	0.00	1902.97	0.00	0.00	0.00	
11300.00	90.00	0.00	9379.00	2002.97	0.00	2002.97	0.00	0.00	0.00	
11400.00	90.00	0.00	9379.00	2102.97	0.00	2102.97	0.00	0.00	0.00	
11500.00	90.00	0.00	9379.00	2202.97	0.00	2202.97	0.00	0.00	0.00	
11607.03	90.00	0.00	9379.00	2310.00	0.00	2310.00	0.00	0.00	0.00	PBHL

Targets

Name	Description	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
PBHL			9379.00	2310.00	0.00	746559.55	905893.24	33 2 47 791 N	103 8 37 068 W



Weatherford International, Inc.

Proposal Plan Report

**Weatherford®**

Company: Cimarex Date: 11/12/2007 Time: 09:53:13 Page: 3
Field: Lea Co, NM (NAD 83) Co-ordinate(NE) Reference: Site: HUMBOLDT 6 STATE COM, True North
Site: HUMBOLDT 6 STATE COM Vertical (TVD) Reference: SITE 3804 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
2187.00	2187.00	RUSTLER		0.00	0.00
3137.00	3137.00	YATES		0.00	0.00
3328.00	3328.00	SEVEN RIVERS		0.00	0.00
3925.00	3925.00	QUEEN		0.00	0.00
4260.00	4260.00	GRAYBURG		0.00	0.00
4416.00	4416.00	SAN ANDRES		0.00	0.00
6690.00	6690.00	GLORIETA		0.00	0.00
6930.00	6930.00	BLINEBRY		0.00	0.00
7496.00	7496.00	TUBB		0.00	0.00
7753.00	7753.00	DRINKARD		0.00	0.00
8165.00	8165.00	ABO		0.00	0.00
9389.19	9354.00	WOLFCAMP		0.00	0.00

Annotation

MD ft	TVD ft	
9188.01	9188.01	KOP
9488.01	9379.00	LP
11607.02	9379.00	PBHL

Casing Points

MD	TVD	Diameter	Hole Size	Name