

DISTRICT I
1625 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

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 30-025-38843	Pool Code 10830	Pool Name Caudill; Permo, Upper Penn
Property Code 37094	Property Name CAUDILL EAST "9" FEE	Well Number 1H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Elevation 3910'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	9	15 S	36 E		2250	SOUTH	2110	EAST	Lea Eddy

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
0	9	15 S	36 E		500	SOUTH	2150	EAST	Lea Eddy
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

SURFACE LOCATION Lat - N33°01'51.48" Long - W103°18'25.76" NMSPCE - N 740338.7 E 855836.2 (NAD-83) BOTTOM HOLE LOCATION Lat - N33°01'34.17" Long - W103°18'26.41" NMSPCE - N 738588.220 E 855798.585 (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. <u>Zeno Farris</u> 04-03-08 Signature Date <u>Zeno Farris</u> 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. MARCH 7, 2008 Date Surveyed <u>GARY L. JONES</u> Signature Professional Surveyor <u>W. O. No. 10-37</u> Certificate No.		7977 Certificate No. Gary L. Jones RASIN SURVEYS



WeatherfordSM

Drilling Services

30-025-38843

Proposal



CAUDILL EAST 9 FEE #1H

LEA COUNTY, NEW MEXICO

WELL FILE: **PLAN 1**

APRIL 2, 2008

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

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+1.432.561.8895 Fax

www.weatherford.com



CAUDILL EAST 9 FEE #1H
LEA COUNTY, NEW MEXICO



Weatherford®

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	181.79	0.00	0.00	0.00	0.00	0.00	0.00	
2	10424.00	0.00	181.79	10424.00	0.00	0.00	0.00	181.79	0.00	
3	10735.02	90.00	181.79	10622.00	-197.90	-6.18	28.94	181.79	198.00	
4	10741.15	91.77	181.79	10621.91	-204.03	-6.38	28.94	0.02	204.13	
5	12288.65	91.77	181.79	10574.00	-1750.03	-54.70	0.00	0.00	1750.88	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#1H	0.00	0.00	740338.70	855836.20	33°01'51.470N	103°18'25.783W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	10574.00	-1750.03	-54.70	738588.22	855798.58	Point

SITE DETAILS

Caudill East 9 Fee #2H
2250' FSL 2110' FEL of SEC 9, T-15-S, R-36-E

Site Centre Northing 740338.70
Easting 855836.20

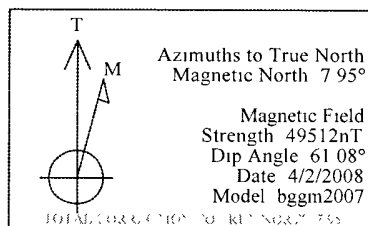
Ground Level 3910.00
Positional Uncertainty 0.00
Convergence 0.56

FIELD DETAILS

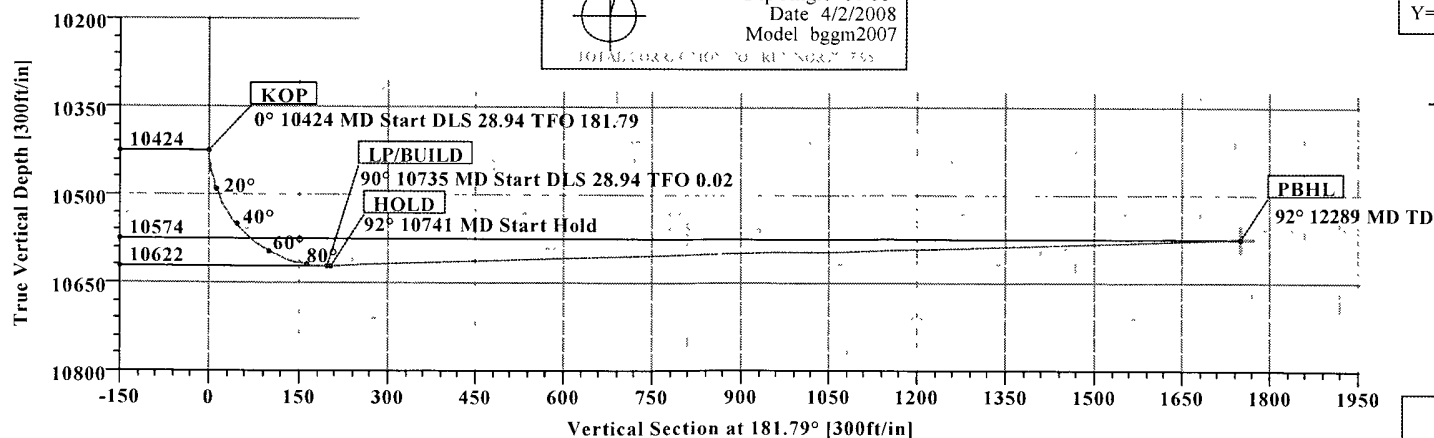
Lea Co., NM (NAD 83)

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



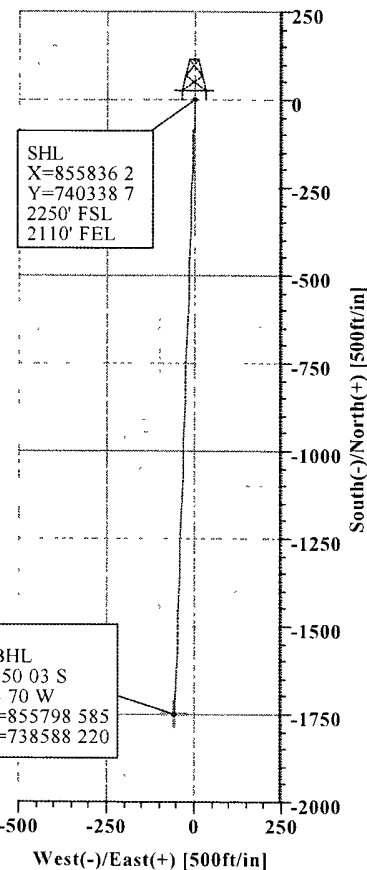
KB ELEV 3926'
GL ELEV 3910'



FORMATION TOP DETAILS

No	TVDPath	MDPath	Formation
1	2035.00	2035.00	Rustler
2	3106.00	3106.00	Yates
3	3266.00	3266.00	Seven Rivers
4	3883.00	3883.00	Queen
5	4356.00	4356.00	San Andres
6	6634.00	6634.00	Gloneta
7	6859.00	6859.00	Blinberry
8	7438.00	7438.00	Tubb
9	7698.00	7698.00	Drunkard
10	8517.00	8517.00	Abo
11	9737.00	9737.00	Wolfcamp
12	10039.00	10039.00	Wolfcamp B
13	10406.00	10406.00	Wolfcamp C
14	10622.00	10734.36	Wolfcamp C Pav Zone

VERTICAL SECTION AZIMUTH 181.79°



PBHL
1750.03 S
54.70 W
X=855798.585
Y=738588.220

Plan Plan #1 (#1H/1)

Created By: Lindsey Maddux

Date: 4/3/2008



Weatherford International, Inc.

Proposal Plan Report



Weatherford

Company: Cimarex
Field: Lea Co., NM (NAD 83)
Site: Caudill East 9 Fee #2H
Well: #1H
Wellpath: 1
Date: 4/2/2008
Co-ordinate(NE) Reference: Site Caudill East 9 Fee #2H True North
Vertical (TVD) Reference: SITE 3926.0
Section (VS) Reference: Well (0.00N; 0.00E; 181.79Azi)
Survey Calculation Method: Minimum Curvature
Page: 1
Db: Sybase

Plan: Plan #1
Principal: Yes
Date Composed: 4/2/2008
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: bggm2007

Site: Caudill East 9 Fee #2H

2250' FSL 2110' FEL of SEC 9, T-15-S, R-36-E
Site Position: Northing: 740338 70 ft Latitude: 33 1 51.470 N
From: Map Easting: 855836.20 ft Longitude: 103 18 25 783 W
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 3910.00 ft Grid Convergence: 0.56 deg

Well: #1H Slot Name:
Well Position: +N/-S 0.00 ft Northing: 740338 70 ft Latitude: 33 1 51 470 N
+E/-W 0.00 ft Easting: 855836.20 ft Longitude: 103 18 25 783 W
Position Uncertainty: 0.00 ft

Wellpath: 1
Current Datum: SITE Height 3926 00 ft
Magnetic Data: 4/2/2008
Field Strength: 49512 nT
Vertical Section: Depth From (TVD) +N/-S
ft ft
0.00 0.00 0.00 181.79

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	181.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10424.00	0.00	181.79	10424.00	0.00	0.00	0.00	0.00	0.00	181.79	
10735.02	90.00	181.79	10622.00	-197.90	-6.18	28.94	28.94	0.00	181.79	
10741.15	91.77	181.79	10621.91	-204.03	-6.38	28.94	28.94	0.01	0.02	
12288.65	91.77	181.79	10574.00	-1750.03	-54.70	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
10400.00	0.00	181.79	10400.00	0.00	0.00	0.00	0.00	0.00	0.00	181.79	
10406.00	0.00	181.79	10406.00	0.00	0.00	0.00	0.00	0.00	0.00	181.79	
10424.00	0.00	181.79	10424.00	0.00	0.00	0.00	0.00	0.00	0.00	181.79	
10430.00	1.74	181.79	10430.00	-0.09	0.00	0.09	28.94	0.00	28.94	0.00	
10440.00	4.63	181.79	10439.98	-0.65	-0.02	0.65	28.94	0.00	28.94	0.00	
10450.00	7.52	181.79	10449.93	-1.70	-0.05	1.70	28.94	0.00	28.94	0.00	
10460.00	10.42	181.79	10459.80	-3.26	-0.10	3.26	28.94	0.00	28.94	0.00	
10470.00	13.31	181.79	10469.59	-5.32	-0.17	5.32	28.94	0.00	28.94	0.00	
10480.00	16.20	181.79	10479.26	-7.86	-0.25	7.87	28.94	0.00	28.94	0.00	
10490.00	19.10	181.79	10488.78	-10.89	-0.34	10.90	28.94	0.00	28.94	0.00	
10500.00	21.99	181.79	10498.15	-14.40	-0.45	14.41	28.94	0.00	28.94	0.00	
10510.00	24.89	181.79	10507.32	-18.38	-0.57	18.38	28.94	0.00	28.94	0.00	
10520.00	27.78	181.79	10516.28	-22.81	-0.71	22.82	28.94	0.00	28.94	0.00	
10530.00	30.67	181.79	10525.01	-27.69	-0.87	27.70	28.94	0.00	28.94	0.00	
10540.00	33.57	181.79	10533.48	-33.00	-1.03	33.02	28.94	0.00	28.94	0.00	
10550.00	36.46	181.79	10541.67	-38.74	-1.21	38.76	28.94	0.00	28.94	0.00	



Weatherford International, Inc.

Proposal Plan Report

**Weatherford**

Company: Cimarex Date: 4/2/2008 Time: 16:33:32 Page: 2
Field: Lea Co., NM (NAD 83) Co-ordinate(NE) Reference: Site: Caudill East 9 Fee #2H, True North
Site: Caudill East 9 Fee #2H Vertical (TVD) Reference: SITE 3926.0
Well: #1H Section (VS) Reference: Well (0.00N, 0.00E, 181.79Azi)
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
10560.00	39.35	181.79	10549.56	-44.88	-1.40	44.90	28.94	0.00	28.94	0.00	
10570.00	42.25	181.79	10557.12	-51.41	-1.61	51.43	28.94	0.00	28.94	0.00	
10580.00	45.14	181.79	10564.35	-58.31	-1.82	58.34	28.94	0.00	28.94	0.00	
10590.00	48.04	181.79	10571.23	-65.57	-2.05	65.60	28.94	0.00	28.94	0.00	
10600.00	50.93	181.79	10577.72	-73.17	-2.29	73.21	28.94	0.00	28.94	0.00	
10610.00	53.82	181.79	10583.83	-81.09	-2.53	81.12	28.94	0.00	28.94	0.00	
10620.00	56.72	181.79	10589.52	-89.30	-2.79	89.34	28.94	0.00	28.94	0.00	
10630.00	59.61	181.79	10594.80	-97.79	-3.06	97.84	28.94	0.00	28.94	0.00	
10640.00	62.50	181.79	10599.64	-106.54	-3.33	106.59	28.94	0.00	28.94	0.00	
10650.00	65.40	181.79	10604.03	-115.51	-3.61	115.57	28.94	0.00	28.94	0.00	
10660.00	68.29	181.79	10607.96	-124.70	-3.90	124.76	28.94	0.00	28.94	0.00	
10670.00	71.19	181.79	10611.42	-134.08	-4.19	134.14	28.94	0.00	28.94	0.00	
10680.00	74.08	181.79	10614.41	-143.62	-4.49	143.69	28.94	0.00	28.94	0.00	
10690.00	76.97	181.79	10616.91	-153.29	-4.79	153.37	28.94	0.00	28.94	0.00	
10700.00	79.87	181.79	10618.91	-163.08	-5.10	163.16	28.94	0.00	28.94	0.00	
10710.00	82.76	181.79	10620.42	-172.96	-5.41	173.05	28.94	0.00	28.94	0.00	
10720.00	85.65	181.79	10621.43	-182.91	-5.72	183.00	28.94	0.00	28.94	0.00	
10730.00	88.55	181.79	10621.94	-192.89	-6.03	192.98	28.94	0.00	28.94	0.00	
10734.36	89.81	181.79	10622.00	-197.24	-6.16	197.34	28.94	0.00	28.94	0.00	Wolfcamp C Pay Zone
10735.02	90.00	181.79	10622.00	-197.90	-6.18	198.00	28.94	0.00	28.94	360.00	LP/BUILD
10740.00	91.44	181.79	10621.94	-202.88	-6.34	202.98	28.94	0.01	28.94	0.02	
10741.15	91.77	181.79	10621.91	-204.03	-6.38	204.13	28.94	0.01	28.94	0.02	HOLD
10800.00	91.77	181.79	10620.08	-262.82	-8.21	262.95	0.00	0.00	0.00	0.00	
10900.00	91.77	181.79	10616.99	-362.73	-11.34	362.90	0.00	0.00	0.00	0.00	
11000.00	91.77	181.79	10613.89	-462.63	-14.46	462.86	0.00	0.00	0.00	0.00	
11100.00	91.77	181.79	10610.80	-562.53	-17.58	562.81	0.00	0.00	0.00	0.00	
11200.00	91.77	181.79	10607.70	-662.44	-20.71	662.76	0.00	0.00	0.00	0.00	
11300.00	91.77	181.79	10604.61	-762.34	-23.83	762.71	0.00	0.00	0.00	0.00	
11400.00	91.77	181.79	10601.51	-862.24	-26.95	862.66	0.00	0.00	0.00	0.00	
11500.00	91.77	181.79	10598.41	-962.15	-30.08	962.62	0.00	0.00	0.00	0.00	
11600.00	91.77	181.79	10595.32	-1062.05	-33.20	1062.57	0.00	0.00	0.00	0.00	
11700.00	91.77	181.79	10592.22	-1161.95	-36.32	1162.52	0.00	0.00	0.00	0.00	
11800.00	91.77	181.79	10589.13	-1261.86	-39.44	1262.47	0.00	0.00	0.00	0.00	
11900.00	91.77	181.79	10586.03	-1361.76	-42.57	1362.43	0.00	0.00	0.00	0.00	
12000.00	91.77	181.79	10582.94	-1461.66	-45.69	1462.38	0.00	0.00	0.00	0.00	
12100.00	91.77	181.79	10579.84	-1561.57	-48.81	1562.33	0.00	0.00	0.00	0.00	
12200.00	91.77	181.79	10576.74	-1661.47	-51.94	1662.28	0.00	0.00	0.00	0.00	
12288.65	91.77	181.79	10574.00	-1750.03	-54.70	1750.88	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			10574.00	-1750.03	-54.70	738588.22	855798.58	33 1 34 156 N	103 18 26 426 W

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2035.00	2035.00	Rustler		0.00	0.00
3106.00	3106.00	Yates		0.00	0.00
3266.00	3266.00	Seven Rivers		0.00	0.00
3883.00	3883.00	Queen		0.00	0.00



Weatherford International, Inc.

Proposal Plan Report

**Weatherford**

Company: Cimarex Date: 4/2/2008 Time: 16:33:32 Page: 3
Field: Lea Co NM (NAD 83) Co-ordinate(NE) Reference: Site: Caudill East 9 Fee #2H, True North
Site: Caudill East 9 Fee #2H Vertical (TVD) Reference: SITE 392610
Well: #1H Section (VS) Reference: Well (0 00N; 0 00E, 181-79Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4356.00	4356.00	San Andres		0.00	0.00
6634.00	6634.00	Gloneta		0.00	0.00
6859.00	6859.00	Blinbry		0.00	0.00
7438.00	7438.00	Tubb		0.00	0.00
7698.00	7698.00	Drinkard		0.00	0.00
8517.00	8517.00	Abo		0.00	0.00
9737.00	9737.00	Wolfcamp		0.00	0.00
10039.00	10039.00	Wolfcamp B		0.00	0.00
10406.00	10406.00	Wolfcamp C		0.00	0.00
10734.36	10622.00	Wolfcamp C Pay Zone		0.00	0.00
	0.00	Wolfcamp D		0.00	0.00
	0.00	Wolfcamp E		0.00	0.00

Annotation

MD ft	TVD ft	
10424.00	10424.00	KOP
10735.02	10622.00	LP/BUILD
10741.15	10621.91	HOLD
12288.64	10574.00	PBHL

Casing Points

MD	TVD	Diameter	Hole Size	Name