



Weatherford®

Drilling Services

Proposal



CAUDILL EAST 9 FEE #1H

LEA COUNTY, NEW MEXICO

WELL FILE: **PLAN 2**

SEPTEMBER 25, 2008

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

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0 00	0 00	166 99	0 00	0 00	0 00	0 00	0 00	0 00	
2	10424 00	0 00	166 99	10424 00	0 00	0 00	0 00	166 99	0 00	
3	10740 51	91 56	166 99	10622 00	-198 23	45 80	28 93	0 00	203 45	
4	12508 35	91 56	166 99	10574 00	-1920 05	443 66	0 00	0 00	1970 64	P2

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
P2	10574 00	-1920 05	443 66	738423 07	856298 58	Point

SITE DETAILS

Caudill East 9 Fee #1H
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

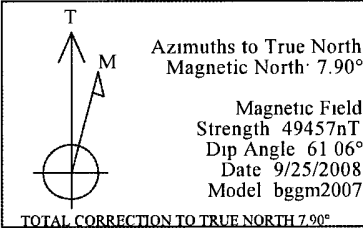
Lea Co., NM (NAD 83)

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

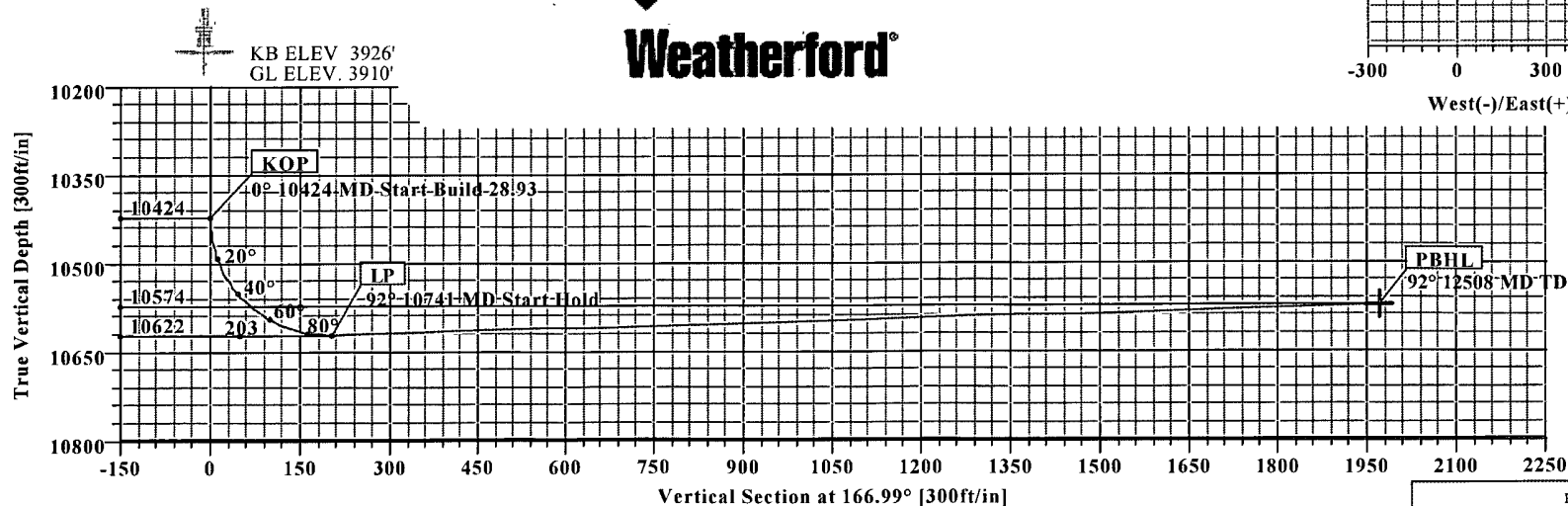
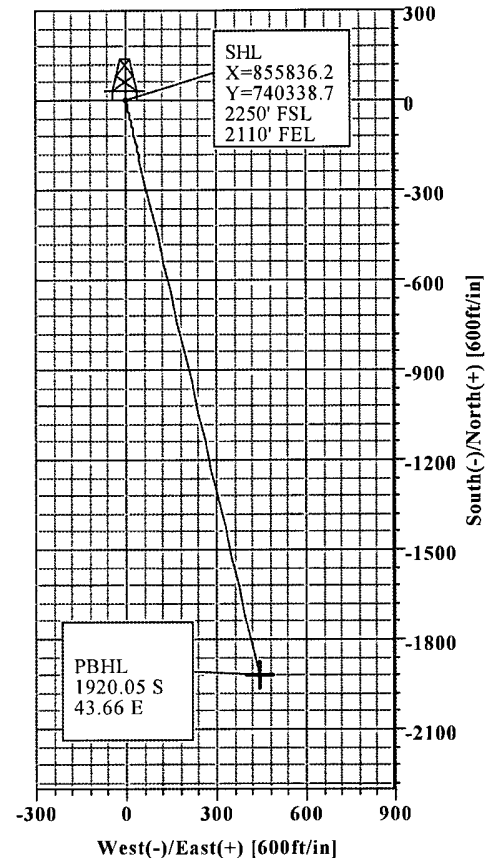
System Datum Mean Sea Level
Local North True North

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	Glorieta
7	6859 00	6859 00	Blaineby
8	7438 00	7438 00	Tubb
9	7698 00	7698 00	Drnkard
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	10729 79	Wolfcamp C Pay Zone



VERTICAL SECTION AZIMUTH 166.99°



Plan Plan #2 (#1H/1)

Created By Lindsey Maddux

Date 9/25/2008

Weatherford International, Inc.

Proposal Plan Report

Company: Cimarex Field: Lea Co., NM (NAD 83) Site: Caudill East 9 Fee #1H Well: #1H Wellpath: 1	Date: 9/25/2008 Co-ordinate(NE) Reference: Site: Caudill East 9 Fee #1H, True North Vertical (TVD) Reference: SITE 3926.0 Section (VS) Reference: Well (0.00N,0.00E,166.99Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Plan: Plan #2 Principal: Yes	Date Composed: 9/25/2008 Version: 1 Tied-to: From Surface
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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
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Site: Caudill East 9 Fee #1H 2250' FSL 2110' FEL of SEC 9, T-15-S, R-36-E Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3910.00 ft	Northing: 740338.70 ft Easting: 855836.20 ft Latitude: 33 1 51.470 N Longitude: 103 18 25.783 W North Reference: True Grid Convergence: 0.56 deg
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Well: #1H Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft	Slot Name: Latitude: 33 1 51.470 N Longitude: 103 18 25.783 W
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Wellpath: 1 Current Datum: SITE Magnetic Data: 9/25/2008 Field Strength: 49457 nT Vertical Section: Depth From (TVD) ft	Height 3926.00 ft +N/-S ft 0.00	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 7.90 deg Mag Dip Angle: 61.06 deg +E/-W ft 0.00	Direction deg 166.99
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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	166.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10424.00	0.00	166.99	10424.00	0.00	0.00	0.00	0.00	0.00	166.99	
10740.51	91.56	166.99	10622.00	-198.23	45.80	28.93	28.93	0.00	0.00	
12508.35	91.56	166.99	10574.00	-1920.05	443.66	0.00	0.00	0.00	0.00	P2

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	166.99	10400.00	0.00	0.00	0.00	0.00	0.00	0.00	166.99	
10406.00	0.00	166.99	10406.00	0.00	0.00	0.00	0.00	0.00	0.00	166.99	
10424.00	0.00	166.99	10424.00	0.00	0.00	0.00	0.00	0.00	0.00	166.99	
10500.00	21.98	166.99	10498.15	-14.03	3.24	14.40	28.93	0.00	28.93	0.00	
10600.00	50.91	166.99	10577.74	-71.30	16.48	73.18	28.93	0.00	28.93	0.00	
10700.00	79.84	166.99	10618.96	-158.94	36.72	163.13	28.93	0.00	28.93	0.00	
10729.80	88.46	166.99	10622.00	-187.79	43.39	192.74	28.93	0.00	28.93	0.00	
10740.51	91.56	166.99	10622.00	-198.23	45.80	203.45	28.93	0.00	28.93	360.00	
10800.00	91.56	166.99	10620.38	-256.17	59.19	262.92	0.00	0.00	0.00	180.00	
10900.00	91.56	166.99	10617.67	-353.57	81.70	362.88	0.00	0.00	0.00	180.00	
11000.00	91.56	166.99	10614.95	-450.96	104.20	462.84	0.00	0.00	0.00	180.00	
11100.00	91.56	166.99	10612.24	-548.36	126.71	562.81	0.00	0.00	0.00	180.00	
11200.00	91.56	166.99	10609.52	-645.76	149.21	662.77	0.00	0.00	0.00	180.00	
11300.00	91.56	166.99	10606.81	-743.15	171.72	762.73	0.00	0.00	0.00	180.00	
11400.00	91.56	166.99	10604.09	-840.55	194.22	862.70	0.00	0.00	0.00	180.00	
11500.00	91.56	166.99	10601.38	-937.95	216.73	962.66	0.00	0.00	0.00	180.00	
11600.00	91.56	166.99	10598.66	-1035.34	239.23	1062.62	0.00	0.00	0.00	180.00	

Weatherford International, Inc.

Proposal Plan Report

Company: Cimarex Field: Lea Co., NM (NAD 83) Site: Caudill East 9 Fee #1H Well: #1H Wellpath: 1	Date: 9/25/2008 Time: 16:24:11 Page: 2 Co-ordinate(NE) Reference: Site: Caudill East 9 Fee #1H, True North Vertical (TVD) Reference: SITE 3926.0 Section (VS) Reference: Well (0.00N,0.00E,166.99Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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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
11700.00	91.56	166.99	10595.95	-1132.74	261.74	1162.59	0.00	0.00	0.00	180.00	
11800.00	91.56	166.99	10593.23	-1230.14	284.24	1262.55	0.00	0.00	0.00	180.00	
11900.00	91.56	166.99	10590.52	-1327.53	306.75	1362.51	0.00	0.00	0.00	180.00	
12000.00	91.56	166.99	10587.80	-1424.93	329.25	1462.48	0.00	0.00	0.00	180.00	
12100.00	91.56	166.99	10585.09	-1522.33	351.76	1562.44	0.00	0.00	0.00	180.00	
12200.00	91.56	166.99	10582.37	-1619.73	374.26	1662.40	0.00	0.00	0.00	180.00	
12300.00	91.56	166.99	10579.66	-1717.12	396.77	1762.37	0.00	0.00	0.00	180.00	
12400.00	91.56	166.99	10576.94	-1814.52	419.27	1862.33	0.00	0.00	0.00	180.00	
12500.00	91.56	166.99	10574.23	-1911.92	441.78	1962.29	0.00	0.00	0.00	180.00	
12508.35	91.56	166.99	10574.00	-1920.05	443.66	1970.64	0.00	0.00	0.00	180.00	P2

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					
P2			10574.00	-1920.05	443.66	738423.07	856298.58	33	1	32	474	N	103	18	20.573	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
4356.00	4356.00	San Andres		0.00	0.00
6634.00	6634.00	Glorieta		0.00	0.00
6859.00	6859.00	Blinberry		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
10729.80	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
10740.51	10622.00	LP
12508.35	10574.00	PBHL

Casing Points

MD	TVD	Diameter	Hole Size	Name