

WELL LOGS

K Z

API number:	30-005-28002		
OGRID:		Operator:	CIMAREX ENERGY CO OF COLORADO
		Property:	ENTERPRISE 11 STATE COM # 1

surface	ULSTR:	M	11	T	15S	R	31E
			375	FSL	330	FWL	

BH Loc	ULSTR:	P	11	T	15S	R	31E
			427	FSL	4911	FWL	

Ground Level:	**CONF**	DF:	**CONF**	KB:	**CONF**	
Datum:	KB			TD:	13242	

Land:	STATE	Completion Date: (1)	7/18/2008
		Date Logs Received:	9/10/2008
		Date Logs Due in: (2)	8/7/2008

Confidential:	YES		Date out:	11/7/2008
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Confidential period 90 Days for State & Fee, 1 Year for federal

Date Due In (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
TD LD CN/GR	**CONF**	**CONF**	Three Detector Litho-Density
HRLA	**CONF**	**CONF**	High Resolution Laterolog
BHC	**CONF**	**CONF**	Borehole Compensated Sonic
	CONF	**CONF**	Mechanical Sidewall Coring Tool
	CONF	**CONF**	Gamma Ray Rate Penetration Temp MD
	CONF	**CONF**	Gamma Ray Rate Penetration Temp TVD

K Z

OCD TOPS

Rustler	**CONF**	Strawn		
Tansill	**CONF**	Atoka		
Yates	**CONF**	Morrow		
7 rvs	**CONF**			
	CONF	Austin		
	CONF	Chester		
Queen	**CONF**	Miss Lime		
Penrose	**CONF**			
Grayburg	**CONF**			
San Andres	**CONF**			
Glorieta	**CONF**			
Paddock	**CONF**			
Blinbry	**CONF**			
Tubb	**CONF**			
Drinkard	**CONF**			
Abo	**CONF**			
Wolfcamp	**CONF**			

Results of Directional Survey

API number:	30-005-28002		
OGRID:		Operator:	CIMAREX ENERGY CO OF COLORADO
		Property:	ENTERPRISE 11 STATE COM # 1

surface	ULSTR:	M	11	T 15S	R 31E
			375	FSL	330
				FWL	

BH Loc	ULSTR:	P	11	T 15S	R 31E
			427	FSL	4911
				FWL	

	MD	N/S	E/W	VD
	11576	31.32	2916.16	8838.4
TOP PERFS/OH	11608	31.67	2948.15	8839.02
	11608	31.67	2948.15	8839.02
	4322	-518.63	-85.18	4265.26
BOT PERFS/OH	13242	-2455.01	-106.55	12978.06
	4418	-539.47	-85.41	4359.03

NEXT TO LAST	13162	47.92	4501.20	8865.42
LAST READING	13194	49.54	4533.16	8865.32
TD	13242	51.97	4581.10	8865.17

Surface Location	375	FS	330	FW
Projected BHL	427	FS	4911	FW
Location of				
Top Perfs/OH	407	FS	3278	FW
Bottom Perfs/OH	2080	FN	223	FW

SUMMARY of Subsurface Locations

Surface Location	M-11-15S-31E	375	FS	330	FW	Vert. Depth
Top Perfs/OH	O-11-15S-31E	407	FS	3278	FW	8839.02
Bottom Perfs/OH	P-11-15S-31E	2080	FN	223	FW	12978.06
Projected TD	P-11-15S-31E	427	FS	4911	FW	8865.17

OPERATOR: Cimarex Energy Co.
WELL/LEASE: Enterprise 11 State # 1 Sec. 17, T15S, R31E
COUNTY: Chaves Co., New Mexico

STATE OF NEW MEXICO
DEVIATION REPORT

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
321	1/2		
571	1/2		
1,028	1/2		
1,495	1/2		
1,938	1/2		
2,382	1 1/3		
2,572	1 1/2		
2,920	1/4		
3,364	1/4		
3,862	1/2		
4,278	1		
4,715	1		
5,049	3/4		
5,477	1		
5,888	1 1/2		
6,300	1		
6,743	1/4		
7,213	1/4		
7,656	3/4		
8,099	3/4		
8,542	2 1/4		
8,890	1 3/4		

RECEIVED
SEP 9 2008
HOBBS OCD

SUR: M-11-15s-31e, 375/S & 330/W
BHL: P-11-15s-31e, 427/S & 4911/W
API # 30-005-28002

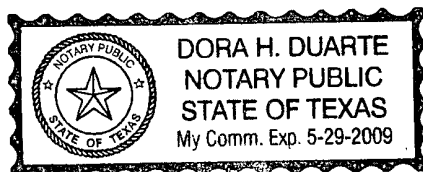
Patriot Drilling, LLC

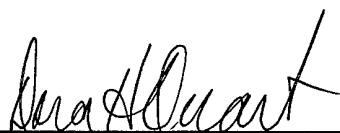


M. Leroy Peterson, Executive Vice-
President

The foregoing instrument was acknowledged before me on this 14th day of July, 2008 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 5/29/2009




Dora H. Duarte
Notary Public for Midland Co., Texas

Ke



SUR: M-11-15s-31e, 375/S & 330/W
BHL: P-11-15s-31e, 427/S & 4911/W
API # 30-005-28002

Cimarex Energy Company

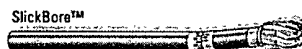
Enterprise "11" State Com, No. 1H

Chaves County, New Mexico

Sperry Drilling Services

End of Well Report

Prepared For: Cimarex Energy Company



June 6, 2008

Submitted by:

Marcus Stack - Well Planner

Phillip D. Smith - Directional Drilling Coordinator

Eric Singleton - Sperry Account Rep.

1-800-332-3992

Houston, TX 77032

HALLIBURTON

Cimarex Energy Company

**Enterprise “11” State Com, No. 1H
Chaves County, NM**

End of Well Report

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HALLIBURTON

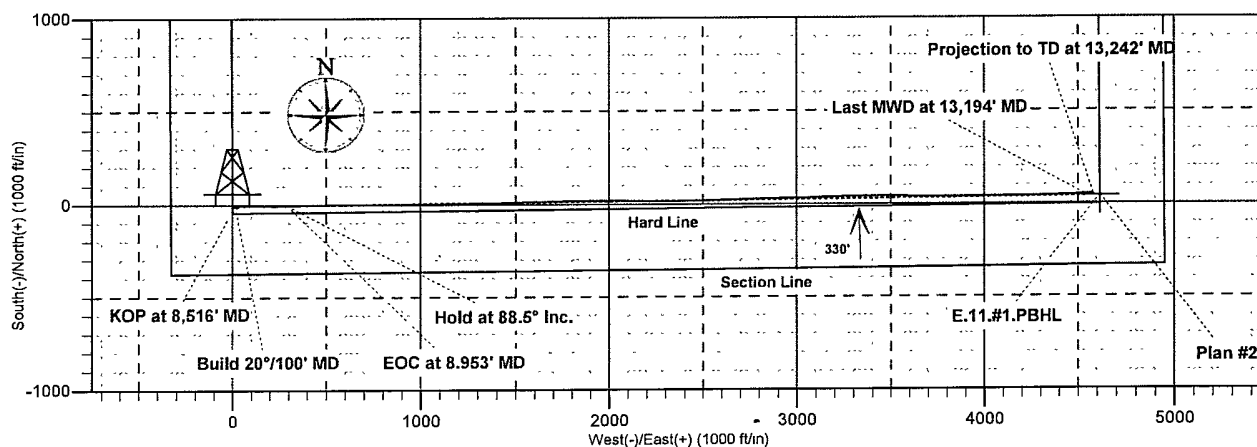
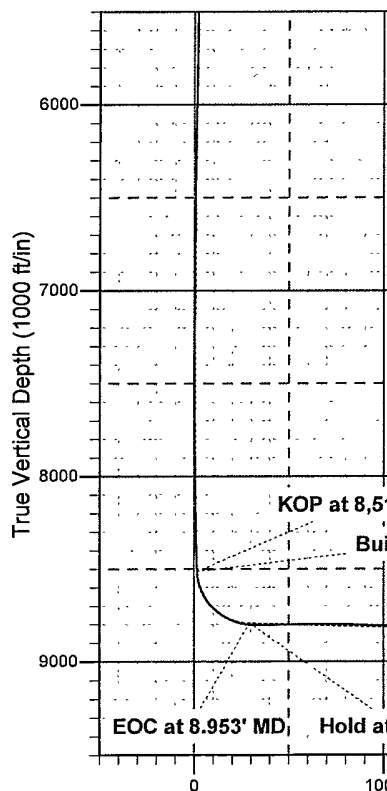
Sperry Drilling Services

Final Surveys and Plot

Project: Chaves County, NM
 Site: Enterprise 11 ST Com
 Well: #1
 Wellbore: ST01
 Design: ST01 (#1/ST01)
 Rig: Patriot 4

Surface Location:

US State Plane 1927 (Exact solution)
 New Mexico East 3001
 Elevation, GL 4,395' + KB 11' @ 4406.00ft (Patriot 4)
 Northing 736697.90 Easting 663668.60 Latitude 33° 1' 26.775 N Longitude 103° 47' 57.639 W



WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
E.11.#1.PBHL	8910.00	40.70	4617.60	736738.60	668286.20	Point

To convert a Magnetic Direction to a Grid Direction, Add 7.87°

Magnetic Model 8CGM2007 Date 16-May-08
 Azimuths to Grid North

Cimarex Energy Company

Chaves County, NM
Enterprise 11 ST Com
#1

ST01

Design: ST01

Sperry Drilling Services Combo Report

06 June, 2008

Well Coordinates: 736,697.90 N, 663,668.60 E (33° 01' 26.77" N, 103° 47' 57.64" W)
Ground Level: 4,395.00 ft

Local Coordinate Origin:	Centered on Well #1
Viewing Datum:	GL 4,395' + KB 11' @ 4406.00ft (Patriot 4)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - U.S. Survey Feet

Version: 2003.16 Build: 42B

HALLIBURTON

HALLIBURTON**Design Report for #1 - ST01**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)		
0.00	0.00	0.00	-4,406.00	0.00	0.00 N	0.00 E	736,697.90	663,668.60	0.00	0.00
1,111.80	0.47	91.87	-3,294.21	1,111.79	0.15 S	4.56 E	736,697.75	663,673.16	0.04	4.56
1,175.00	0.39	97.15	-3,231.01	1,174.99	0.18 S	5.03 E	736,697.72	663,673.63	0.14	5.03
1,269.90	0.19	105.33	-3,136.12	1,269.88	0.27 S	5.50 E	736,697.63	663,674.10	0.21	5.50
1,364.80	0.23	163.50	-3,041.22	1,364.78	0.49 S	5.71 E	736,697.41	663,674.31	0.22	5.70
1,460.00	0.20	205.37	-2,946.02	1,459.98	0.82 S	5.69 E	736,697.08	663,674.29	0.16	5.68
1,554.90	0.30	110.63	-2,851.12	1,554.88	1.06 S	5.85 E	736,696.84	663,674.45	0.39	5.84
1,650.00	0.44	117.82	-2,756.02	1,649.98	1.32 S	6.41 E	736,696.58	663,675.01	0.15	6.40
1,745.00	0.46	114.49	-2,661.02	1,744.98	1.65 S	7.08 E	736,696.25	663,675.68	0.03	7.06
1,840.00	0.39	111.74	-2,566.02	1,839.98	1.92 S	7.73 E	736,695.98	663,676.33	0.08	7.71
1,935.10	0.54	96.46	-2,470.93	1,935.07	2.10 S	8.47 E	736,695.80	663,677.07	0.20	8.45
2,030.10	1.10	85.38	-2,375.94	2,030.06	2.07 S	9.83 E	736,695.83	663,678.43	0.61	9.81
2,125.10	1.48	89.74	-2,280.96	2,125.04	1.99 S	11.96 E	736,695.91	663,680.56	0.41	11.94
2,220.20	1.65	89.88	-2,185.90	2,220.10	1.98 S	14.56 E	736,695.92	663,683.16	0.18	14.54
2,315.30	1.52	96.68	-2,090.83	2,315.17	2.13 S	17.18 E	736,695.77	663,685.78	0.24	17.16
2,410.20	1.34	86.97	-1,995.96	2,410.04	2.22 S	19.54 E	736,695.68	663,688.14	0.32	19.52
2,505.00	1.22	85.84	-1,901.19	2,504.81	2.08 S	21.65 E	736,695.82	663,690.25	0.13	21.63
2,600.00	1.17	83.03	-1,806.21	2,599.79	1.89 S	23.62 E	736,696.01	663,692.22	0.08	23.61
2,695.00	0.83	73.59	-1,711.22	2,694.78	1.58 S	25.25 E	736,696.32	663,693.85	0.40	25.23
2,790.10	0.68	59.84	-1,616.13	2,789.87	1.10 S	26.39 E	736,696.80	663,694.99	0.25	26.38
2,885.20	0.64	67.84	-1,521.04	2,884.96	0.62 S	27.37 E	736,697.28	663,695.97	0.11	27.37
2,980.20	0.65	77.35	-1,426.04	2,979.96	0.30 S	28.39 E	736,697.60	663,696.99	0.11	28.39
3,075.20	0.42	78.45	-1,331.05	3,074.95	0.11 S	29.26 E	736,697.79	663,697.86	0.24	29.26
3,170.20	0.41	71.34	-1,236.05	3,169.95	0.06 N	29.92 E	736,697.96	663,698.52	0.06	29.92
3,264.40	0.29	67.40	-1,141.85	3,264.15	0.26 N	30.46 E	736,698.16	663,699.06	0.13	30.46
3,358.40	0.14	73.17	-1,047.85	3,358.15	0.39 N	30.79 E	736,698.29	663,699.39	0.16	30.79
3,453.40	0.08	88.59	-952.85	3,453.15	0.42 N	30.97 E	736,698.32	663,699.57	0.07	30.97
3,548.30	0.05	27.75	-857.95	3,548.05	0.46 N	31.05 E	736,698.36	663,699.65	0.07	31.06
3,643.20	0.06	35.41	-763.05	3,642.95	0.54 N	31.10 E	736,698.44	663,699.70	0.01	31.11
3,738.20	0.17	71.62	-668.05	3,737.95	0.62 N	31.26 E	736,698.52	663,699.86	0.13	31.27
3,833.40	0.13	121.35	-572.85	3,833.15	0.61 N	31.49 E	736,698.51	663,700.09	0.14	31.49
3,928.40	0.35	149.09	-477.85	3,928.15	0.31 N	31.73 E	736,698.21	663,700.33	0.26	31.73
4,023.30	0.54	172.44	-382.96	4,023.04	0.38 S	31.94 E	736,697.52	663,700.54	0.27	31.93
4,118.40	0.83	166.10	-287.86	4,118.14	1.50 S	32.16 E	736,696.40	663,700.76	0.31	32.15
4,213.30	0.78	165.46	-192.97	4,213.03	2.79 S	32.49 E	736,695.11	663,701.09	0.05	32.47
4,308.50	0.83	178.36	-97.78	4,308.22	4.11 S	32.67 E	736,693.79	663,701.27	0.20	32.64
4,403.50	0.74	184.96	-2.79	4,403.21	5.40 S	32.64 E	736,692.50	663,701.24	0.13	32.59
4,498.40	0.66	195.76	92.10	4,498.10	6.54 S	32.44 E	736,691.36	663,701.04	0.16	32.38
4,593.30	0.67	204.14	187.00	4,593.00	7.57 S	32.06 E	736,690.33	663,700.66	0.10	32.00
4,688.20	0.78	218.11	281.89	4,687.89	8.59 S	31.44 E	736,689.31	663,700.04	0.22	31.36
4,782.30	0.78	221.84	375.98	4,781.98	9.57 S	30.62 E	736,688.33	663,699.22	0.05	30.53
4,877.20	1.02	242.26	470.87	4,876.87	10.44 S	29.44 E	736,687.46	663,698.04	0.42	29.34
4,972.30	1.06	250.09	565.95	4,971.95	11.14 S	27.86 E	736,686.76	663,696.46	0.16	27.76
5,067.20	0.94	251.52	660.84	5,066.84	11.68 S	26.30 E	736,686.22	663,694.90	0.13	26.19
5,162.10	0.81	274.39	755.73	5,161.73	11.88 S	24.89 E	736,686.02	663,693.49	0.39	24.78

HALLIBURTON**Design Report for #1 - ST01**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)		
5,257.00	0.88	276.67	850.62	5,256.62	11.74 S	23.50 E	736,686.16	663,692.10	0.08	23.39
5,352.00	0.74	279.61	945.61	5,351.61	11.56 S	22.17 E	736,686.34	663,690.77	0.15	22.07
5,446.90	0.59	287.08	1,040.50	5,446.50	11.31 S	21.10 E	736,686.59	663,689.70	0.18	21.00
5,541.80	0.70	292.37	1,135.39	5,541.39	10.95 S	20.09 E	736,686.95	663,688.69	0.13	20.00
5,636.70	0.92	299.46	1,230.29	5,636.29	10.35 S	18.89 E	736,687.55	663,687.49	0.25	18.80
5,731.70	1.25	304.46	1,325.27	5,731.27	9.39 S	17.38 E	736,688.51	663,685.98	0.36	17.29
5,826.70	1.50	310.52	1,420.24	5,826.24	7.99 S	15.58 E	736,689.91	663,684.18	0.30	15.50
5,921.70	1.41	313.12	1,515.21	5,921.21	6.39 S	13.78 E	736,691.51	663,682.38	0.12	13.72
6,016.70	1.33	316.78	1,610.18	6,016.18	4.79 S	12.17 E	736,693.11	663,680.77	0.12	12.13
6,111.70	1.02	315.71	1,705.16	6,111.16	3.38 S	10.82 E	736,694.52	663,679.42	0.33	10.79
6,206.60	0.83	316.14	1,800.05	6,206.05	2.28 S	9.76 E	736,695.62	663,678.36	0.20	9.74
6,301.70	0.79	307.63	1,895.14	6,301.14	1.38 S	8.76 E	736,696.52	663,677.36	0.13	8.75
6,396.60	0.64	299.69	1,990.03	6,396.03	0.72 S	7.78 E	736,697.18	663,676.38	0.19	7.78
6,491.60	0.58	289.86	2,085.03	6,491.03	0.29 S	6.87 E	736,697.61	663,675.47	0.13	6.87
6,585.80	0.41	298.25	2,179.22	6,585.22	0.03 N	6.12 E	736,697.93	663,674.72	0.20	6.12
6,680.90	0.47	289.10	2,274.32	6,680.32	0.32 N	5.46 E	736,698.22	663,674.06	0.10	5.46
6,775.90	0.40	289.97	2,369.32	6,775.32	0.56 N	4.78 E	736,698.46	663,673.38	0.07	4.78
6,870.00	0.31	289.26	2,463.42	6,869.42	0.76 N	4.23 E	736,698.66	663,672.83	0.10	4.23
6,964.10	0.35	290.16	2,557.52	6,963.52	0.94 N	3.72 E	736,698.84	663,672.32	0.04	3.73
7,058.70	0.42	284.23	2,652.11	7,058.11	1.12 N	3.11 E	736,699.02	663,671.71	0.09	3.12
7,153.30	0.49	290.83	2,746.71	7,152.71	1.35 N	2.40 E	736,699.25	663,671.00	0.09	2.41
7,247.00	0.39	303.32	2,840.41	7,246.41	1.67 N	1.75 E	736,699.57	663,670.35	0.15	1.77
7,342.10	0.37	305.62	2,935.51	7,341.51	2.03 N	1.23 E	736,699.93	663,669.83	0.03	1.25
7,437.00	0.15	326.94	3,030.40	7,436.40	2.31 N	0.92 E	736,700.21	663,669.52	0.25	0.94
7,532.00	0.26	115.15	3,125.40	7,531.40	2.32 N	1.05 E	736,700.22	663,669.65	0.42	1.07
7,626.40	0.48	133.77	3,219.80	7,625.80	1.96 N	1.52 E	736,699.86	663,670.12	0.26	1.54
7,721.60	0.64	134.07	3,315.00	7,721.00	1.31 N	2.19 E	736,699.21	663,670.79	0.17	2.21
7,816.60	0.63	127.40	3,409.99	7,815.99	0.63 N	2.99 E	736,698.53	663,671.59	0.08	3.00
7,911.70	0.67	99.12	3,505.09	7,911.09	0.22 N	3.95 E	736,698.12	663,672.55	0.34	3.96
8,006.60	0.84	135.05	3,599.98	8,005.98	0.36 S	4.99 E	736,697.54	663,673.59	0.52	4.99
8,101.50	0.97	123.35	3,694.87	8,100.87	1.29 S	6.16 E	736,696.61	663,674.76	0.24	6.14
8,195.80	1.02	128.38	3,789.15	8,195.15	2.25 S	7.48 E	736,695.65	663,676.08	0.11	7.46
8,290.80	1.33	120.92	3,884.13	8,290.13	3.35 S	9.09 E	736,694.55	663,677.69	0.36	9.06
8,385.70	1.95	113.30	3,978.99	8,384.99	4.55 S	11.52 E	736,693.35	663,680.12	0.69	11.48
8,480.00	2.01	106.72	4,073.24	8,479.24	5.66 S	14.57 E	736,692.24	663,683.17	0.25	14.52
8,516.00	2.01	90.05	4,109.22	8,515.22	5.84 S	15.81 E	736,692.06	663,684.41	1.62	15.76
8,564.00	12.60	83.44	4,156.76	8,562.76	5.24 S	21.87 E	736,692.66	663,690.47	22.10	21.82
8,595.00	18.78	82.50	4,186.59	8,592.59	4.20 S	30.19 E	736,693.70	663,698.79	19.95	30.15
8,627.00	24.53	82.30	4,216.32	8,622.32	2.64 S	41.88 E	736,695.26	663,710.48	17.97	41.86
8,659.00	30.01	86.09	4,244.75	8,650.75	1.20 S	56.46 E	736,696.70	663,725.06	17.96	56.45
8,691.00	35.44	90.95	4,271.67	8,677.67	0.81 S	73.74 E	736,697.09	663,742.34	18.84	73.73
8,722.00	41.87	90.75	4,295.86	8,701.86	1.10 S	93.09 E	736,696.80	663,761.69	20.75	93.08
8,754.00	48.21	90.83	4,318.46	8,724.46	1.41 S	115.72 E	736,696.49	663,784.32	19.81	115.70
8,786.00	54.96	92.20	4,338.34	8,744.34	2.09 S	140.77 E	736,695.81	663,809.37	21.36	140.74
8,817.00	60.44	94.62	4,354.90	8,760.90	3.66 S	166.91 E	736,694.24	663,835.51	18.87	166.87

HALLIBURTON**Design Report for #1 - ST01**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)		
8,849.00	64.55	92.47	4,369.67	8,775.67	5.41 S	195.23 E	736,692.49	663,863.83	14.16	195.18
8,881.00	69.65	90.08	4,382.12	8,788.12	6.05 S	224.69 E	736,691.85	663,893.29	17.36	224.63
8,913.00	76.82	88.40	4,391.35	8,797.35	5.63 S	255.31 E	736,692.27	663,923.91	22.96	255.25
8,944.00	84.26	87.90	4,396.44	8,802.44	4.65 S	285.85 E	736,693.25	663,954.45	24.05	285.80
8,973.00	87.72	88.32	4,398.47	8,804.47	3.69 S	314.76 E	736,694.21	663,983.36	12.02	314.71
9,005.00	88.92	88.64	4,399.40	8,805.40	2.84 S	346.73 E	736,695.06	664,015.33	3.88	346.69
9,037.00	89.69	88.72	4,399.79	8,805.79	2.11 S	378.72 E	736,695.79	664,047.32	2.42	378.69
9,068.00	91.08	88.70	4,399.58	8,805.58	1.41 S	409.71 E	736,696.49	664,078.31	4.48	409.68
9,100.00	91.48	88.41	4,398.87	8,804.87	0.60 S	441.69 E	736,697.30	664,110.29	1.54	441.67
9,132.00	91.26	89.44	4,398.10	8,804.10	0.00 S	473.68 E	736,697.90	664,142.28	3.29	473.66
9,164.00	91.35	89.35	4,397.38	8,803.38	0.33 N	505.67 E	736,698.23	664,174.27	0.40	505.65
9,195.00	91.70	89.08	4,396.55	8,802.55	0.76 N	536.65 E	736,698.66	664,205.25	1.43	536.64
9,227.00	92.25	88.76	4,395.45	8,801.45	1.36 N	568.63 E	736,699.26	664,237.23	1.99	568.62
9,259.00	91.11	89.70	4,394.51	8,800.51	1.79 N	600.61 E	736,699.69	664,269.21	4.62	600.60
9,290.00	89.45	90.73	4,394.36	8,800.36	1.68 N	631.61 E	736,699.58	664,300.21	6.30	631.60
9,322.00	89.75	90.57	4,394.58	8,800.58	1.31 N	663.61 E	736,699.21	664,332.21	1.06	663.59
9,354.00	90.77	90.33	4,394.44	8,800.44	1.06 N	695.60 E	736,698.96	664,364.20	3.27	695.59
9,386.00	92.01	89.90	4,393.66	8,799.66	1.00 N	727.59 E	736,698.90	664,396.19	4.10	727.57
9,417.00	90.68	89.60	4,392.93	8,798.93	1.13 N	758.58 E	736,699.03	664,427.18	4.40	758.56
9,449.00	88.68	90.16	4,393.11	8,799.11	1.20 N	790.58 E	736,699.10	664,459.18	6.49	790.56
9,481.00	87.57	90.51	4,394.16	8,800.16	1.01 N	822.56 E	736,698.91	664,491.16	3.64	822.54
9,513.00	86.40	90.41	4,395.84	8,801.84	0.76 N	854.52 E	736,698.66	664,523.12	3.67	854.49
9,544.00	87.28	90.18	4,397.55	8,803.55	0.60 N	885.47 E	736,698.50	664,554.07	2.93	885.44
9,576.00	88.89	89.33	4,398.62	8,804.62	0.73 N	917.45 E	736,698.63	664,586.05	5.69	917.42
9,608.00	87.86	89.46	4,399.53	8,805.53	1.07 N	949.43 E	736,698.97	664,618.03	3.24	949.41
9,639.00	87.93	89.44	4,400.67	8,806.67	1.37 N	980.41 E	736,699.27	664,649.01	0.23	980.39
9,671.00	88.70	89.30	4,401.61	8,807.61	1.72 N	1,012.40 E	736,699.62	664,681.00	2.45	1,012.37
9,703.00	89.69	88.98	4,402.06	8,808.06	2.20 N	1,044.39 E	736,700.10	664,712.99	3.25	1,044.37
9,735.00	88.74	89.25	4,402.49	8,808.49	2.69 N	1,076.38 E	736,700.59	664,744.98	3.09	1,076.36
9,766.00	89.05	89.42	4,403.09	8,809.09	3.05 N	1,107.37 E	736,700.95	664,775.97	1.14	1,107.36
9,798.00	87.84	89.45	4,403.96	8,809.96	3.37 N	1,139.36 E	736,701.27	664,807.96	3.78	1,139.35
9,830.00	88.35	89.30	4,405.02	8,811.02	3.72 N	1,171.34 E	736,701.62	664,839.94	1.66	1,171.33
9,861.00	87.94	88.91	4,406.03	8,812.03	4.20 N	1,202.32 E	736,702.10	664,870.92	1.82	1,202.31
9,893.00	88.86	89.14	4,406.92	8,812.92	4.75 N	1,234.30 E	736,702.65	664,902.90	2.96	1,234.30
9,925.00	89.82	89.11	4,407.29	8,813.29	5.24 N	1,266.30 E	736,703.14	664,934.90	3.00	1,266.29
9,957.00	90.56	89.05	4,407.18	8,813.18	5.75 N	1,298.29 E	736,703.65	664,966.89	2.32	1,298.29
9,988.00	91.36	88.88	4,406.66	8,812.66	6.31 N	1,329.28 E	736,704.21	664,997.88	2.64	1,329.29
10,020.00	91.98	88.38	4,405.73	8,811.73	7.07 N	1,361.26 E	736,704.97	665,029.86	2.49	1,361.27
10,052.00	90.92	88.74	4,404.92	8,810.92	7.88 N	1,393.24 E	736,705.78	665,061.84	3.50	1,393.25
10,083.00	89.82	88.88	4,404.72	8,810.72	8.52 N	1,424.23 E	736,706.42	665,092.83	3.58	1,424.25
10,115.00	88.74	88.40	4,405.12	8,811.12	9.28 N	1,456.22 E	736,707.18	665,124.82	3.69	1,456.24
10,147.00	87.93	87.99	4,406.05	8,812.05	10.29 N	1,488.19 E	736,708.19	665,156.79	2.84	1,488.22
10,178.00	88.24	88.15	4,407.09	8,813.09	11.33 N	1,519.15 E	736,709.23	665,187.75	1.13	1,519.20
10,210.00	88.43	88.27	4,408.02	8,814.02	12.33 N	1,551.12 E	736,710.23	665,219.72	0.70	1,551.17
10,242.00	88.55	88.50	4,408.86	8,814.86	13.23 N	1,583.10 E	736,711.13	665,251.70	0.81	1,583.16

HALLIBURTON**Design Report for #1 - ST01**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)		
10,274.00	88.93	88.56	4,409.57	8,815.57	14.05 N	1,615.08 E	736,711.95	665,283.68	1.20	1,615.14
10,305.00	89.53	88.83	4,409.98	8,815.98	14.76 N	1,646.07 E	736,712.66	665,314.67	2.12	1,646.14
10,337.00	89.63	88.74	4,410.22	8,816.22	15.44 N	1,678.06 E	736,713.34	665,346.66	0.42	1,678.13
10,369.00	88.09	88.72	4,410.85	8,816.85	16.15 N	1,710.05 E	736,714.05	665,378.65	4.81	1,710.12
10,400.00	87.72	88.87	4,411.99	8,817.99	16.80 N	1,741.02 E	736,714.70	665,409.62	1.29	1,741.10
10,432.00	87.99	88.99	4,413.19	8,819.19	17.40 N	1,772.99 E	736,715.30	665,441.59	0.92	1,773.08
10,464.00	88.34	89.04	4,414.21	8,820.21	17.95 N	1,804.97 E	736,715.85	665,473.57	1.10	1,805.06
10,495.00	88.71	89.15	4,415.01	8,821.01	18.43 N	1,835.96 E	736,716.33	665,504.56	1.25	1,836.05
10,527.00	89.14	89.18	4,415.61	8,821.61	18.90 N	1,867.95 E	736,716.80	665,536.55	1.35	1,868.04
10,559.00	90.03	89.31	4,415.84	8,821.84	19.32 N	1,899.94 E	736,717.22	665,568.54	2.81	1,900.04
10,591.00	90.52	89.71	4,415.69	8,821.69	19.60 N	1,931.94 E	736,717.50	665,600.54	1.98	1,932.04
10,622.00	91.05	89.61	4,415.26	8,821.26	19.78 N	1,962.94 E	736,717.68	665,631.54	1.74	1,963.04
10,654.00	91.76	89.76	4,414.48	8,820.48	19.96 N	1,994.93 E	736,717.86	665,663.53	2.27	1,995.03
10,686.00	92.47	89.88	4,413.30	8,819.30	20.06 N	2,026.91 E	736,717.96	665,695.51	2.25	2,027.00
10,717.00	92.53	90.18	4,411.94	8,817.94	20.04 N	2,057.88 E	736,717.94	665,726.48	0.99	2,057.97
10,749.00	90.74	90.53	4,411.03	8,817.03	19.84 N	2,089.86 E	736,717.74	665,758.46	5.70	2,089.96
10,781.00	90.92	90.59	4,410.57	8,816.57	19.53 N	2,121.86 E	736,717.43	665,790.46	0.59	2,121.95
10,815.00	90.96	91.21	4,410.01	8,816.01	19.00 N	2,155.85 E	736,716.90	665,824.45	1.83	2,155.93
10,847.00	90.83	91.15	4,409.51	8,815.51	18.34 N	2,187.84 E	736,716.24	665,856.44	0.45	2,187.91
10,879.00	89.63	90.57	4,409.38	8,815.38	17.86 N	2,219.83 E	736,715.76	665,888.43	4.17	2,219.90
10,911.00	88.80	90.41	4,409.82	8,815.82	17.58 N	2,251.83 E	736,715.48	665,920.43	2.64	2,251.90
10,942.00	87.72	90.61	4,410.76	8,816.76	17.31 N	2,282.81 E	736,715.21	665,951.41	3.54	2,282.88
10,974.00	87.22	89.99	4,412.17	8,818.17	17.14 N	2,314.78 E	736,715.04	665,983.38	2.49	2,314.84
11,006.00	86.55	89.98	4,413.91	8,819.91	17.15 N	2,346.73 E	736,715.05	666,015.33	2.09	2,346.79
11,037.00	86.66	89.79	4,415.75	8,821.75	17.21 N	2,377.68 E	736,715.11	666,046.28	0.71	2,377.74
11,069.00	87.07	89.33	4,417.50	8,823.50	17.46 N	2,409.63 E	736,715.36	666,078.23	1.92	2,409.69
11,101.00	87.47	88.91	4,419.02	8,825.02	17.95 N	2,441.59 E	736,715.85	666,110.19	1.81	2,441.65
11,132.00	88.21	88.26	4,420.19	8,826.19	18.71 N	2,472.56 E	736,716.61	666,141.16	3.18	2,472.63
11,164.00	88.46	88.11	4,421.12	8,827.12	19.72 N	2,504.53 E	736,717.62	666,173.13	0.91	2,504.60
11,196.00	88.40	88.84	4,422.00	8,828.00	20.58 N	2,536.50 E	736,718.48	666,205.10	2.29	2,536.59
11,227.00	88.74	88.90	4,422.77	8,828.77	21.19 N	2,567.49 E	736,719.09	666,236.09	1.11	2,567.58
11,259.00	88.80	88.50	4,423.46	8,829.46	21.91 N	2,599.47 E	736,719.81	666,268.07	1.26	2,599.57
11,291.00	88.83	88.29	4,424.12	8,830.12	22.81 N	2,631.45 E	736,720.71	666,300.05	0.66	2,631.55
11,323.00	89.20	87.84	4,424.67	8,830.67	23.89 N	2,663.43 E	736,721.79	666,332.03	1.82	2,663.54
11,354.00	89.41	87.50	4,425.05	8,831.05	25.15 N	2,694.40 E	736,723.05	666,363.00	1.29	2,694.52
11,386.00	89.35	87.73	4,425.39	8,831.39	26.48 N	2,726.37 E	736,724.38	666,394.97	0.74	2,726.50
11,418.00	88.31	88.02	4,426.05	8,832.05	27.67 N	2,758.34 E	736,725.57	666,426.94	3.37	2,758.48
11,450.00	86.94	88.14	4,427.37	8,833.37	28.74 N	2,790.30 E	736,726.64	666,458.90	4.30	2,790.44
11,481.00	87.06	88.19	4,428.99	8,834.99	29.73 N	2,821.24 E	736,727.63	666,489.84	0.42	2,821.39
11,513.00	87.72	88.63	4,430.45	8,836.45	30.62 N	2,853.19 E	736,728.52	666,521.79	2.48	2,853.35
11,545.00	88.24	89.60	4,431.58	8,837.58	31.11 N	2,885.17 E	736,729.01	666,553.77	3.44	2,885.33
11,576.00	88.71	89.64	4,432.40	8,838.40	31.32 N	2,916.16 E	736,729.22	666,584.76	1.52	2,916.32
11,608.00	89.10	89.11	4,433.02	8,839.02	31.67 N	2,948.15 E	736,729.57	666,616.75	2.06	2,948.31
11,640.00	89.44	89.01	4,433.42	8,839.42	32.19 N	2,980.14 E	736,730.09	666,648.74	1.11	2,980.31
11,671.00	89.66	88.86	4,433.67	8,839.67	32.77 N	3,011.14 E	736,730.67	666,679.74	0.86	3,011.31

HALLIBURTON**Design Report for #1 - ST01**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)		
11,703.00	90.22	88.51	4,433.70	8,839.70	33.50 N	3,043.13 E	736,731.40	666,711.73	2.06	3,043.30
11,735.00	90.74	88.23	4,433.43	8,839.43	34.41 N	3,075.11 E	736,732.31	666,743.71	1.85	3,075.30
11,767.00	91.14	87.97	4,432.91	8,838.91	35.47 N	3,107.09 E	736,733.37	666,775.69	1.49	3,107.28
11,798.00	91.70	87.79	4,432.14	8,838.14	36.62 N	3,138.06 E	736,734.52	666,806.66	1.90	3,138.26
11,830.00	90.43	88.35	4,431.54	8,837.54	37.70 N	3,170.04 E	736,735.60	666,838.64	4.34	3,170.25
11,862.00	88.95	89.60	4,431.72	8,837.72	38.27 N	3,202.03 E	736,736.17	666,870.63	6.05	3,202.24
11,894.00	89.23	89.38	4,432.23	8,838.23	38.55 N	3,234.02 E	736,736.45	666,902.62	1.11	3,234.24
11,925.00	89.60	89.17	4,432.54	8,838.54	38.94 N	3,265.02 E	736,736.84	666,933.62	1.37	3,265.24
11,957.00	89.78	88.99	4,432.72	8,838.72	39.46 N	3,297.02 E	736,737.36	666,965.62	0.80	3,297.23
11,989.00	90.00	88.60	4,432.78	8,838.78	40.13 N	3,329.01 E	736,738.03	666,997.61	1.40	3,329.23
12,020.00	90.22	89.49	4,432.72	8,838.72	40.65 N	3,360.00 E	736,738.55	667,028.60	2.96	3,360.23
12,052.00	90.65	89.77	4,432.47	8,838.47	40.85 N	3,392.00 E	736,738.75	667,060.60	1.60	3,392.23
12,083.00	90.86	89.92	4,432.07	8,838.07	40.94 N	3,423.00 E	736,738.84	667,091.60	0.83	3,423.23
12,115.00	91.36	90.02	4,431.45	8,837.45	40.96 N	3,454.99 E	736,738.86	667,123.59	1.59	3,455.22
12,147.00	91.88	89.97	4,430.54	8,836.54	40.96 N	3,486.98 E	736,738.86	667,155.58	1.63	3,487.21
12,178.00	90.80	90.32	4,429.82	8,835.82	40.88 N	3,517.97 E	736,738.78	667,186.57	3.66	3,518.19
12,210.00	89.08	90.58	4,429.85	8,835.85	40.63 N	3,549.97 E	736,738.53	667,218.57	5.44	3,550.19
12,242.00	89.29	90.49	4,430.31	8,836.31	40.33 N	3,581.96 E	736,738.23	667,250.56	0.71	3,582.18
12,274.00	88.09	90.84	4,431.04	8,837.04	39.96 N	3,613.95 E	736,737.86	667,282.55	3.91	3,614.16
12,305.00	86.33	91.45	4,432.55	8,838.55	39.34 N	3,644.91 E	736,737.24	667,313.51	6.01	3,645.11
12,337.00	86.51	91.26	4,434.54	8,840.54	38.58 N	3,676.84 E	736,736.48	667,345.44	0.82	3,677.03
12,369.00	86.82	91.09	4,436.41	8,842.41	37.93 N	3,708.78 E	736,735.83	667,377.38	1.10	3,708.97
12,400.00	87.22	90.67	4,438.02	8,844.02	37.45 N	3,739.73 E	736,735.35	667,408.33	1.87	3,739.91
12,432.00	87.62	90.77	4,439.46	8,845.46	37.05 N	3,771.70 E	736,734.95	667,440.30	1.29	3,771.88
12,464.00	87.41	90.41	4,440.85	8,846.85	36.72 N	3,803.66 E	736,734.62	667,472.26	1.30	3,803.84
12,495.00	87.23	90.05	4,442.29	8,848.29	36.60 N	3,834.63 E	736,734.50	667,503.23	1.30	3,834.80
12,527.00	87.62	89.97	4,443.73	8,849.73	36.59 N	3,866.60 E	736,734.49	667,535.20	1.24	3,866.77
12,559.00	87.96	89.79	4,444.97	8,850.97	36.66 N	3,898.57 E	736,734.56	667,567.17	1.20	3,898.74
12,591.00	88.46	89.58	4,445.97	8,851.97	36.84 N	3,930.56 E	736,734.74	667,599.16	1.69	3,930.73
12,623.00	89.01	89.10	4,446.67	8,852.67	37.20 N	3,962.55 E	736,735.10	667,631.15	2.28	3,962.72
12,654.00	89.14	88.42	4,447.17	8,853.17	37.88 N	3,993.53 E	736,735.78	667,662.13	2.23	3,993.71
12,686.00	88.67	88.95	4,447.78	8,853.78	38.61 N	4,025.52 E	736,736.51	667,694.12	2.21	4,025.70
12,718.00	89.38	88.64	4,448.33	8,854.33	39.28 N	4,057.51 E	736,737.18	667,726.11	2.42	4,057.70
12,749.00	88.39	89.66	4,448.93	8,854.93	39.74 N	4,088.50 E	736,737.64	667,757.10	4.58	4,088.69
12,781.00	88.46	89.64	4,449.81	8,855.81	39.94 N	4,120.49 E	736,737.84	667,789.09	0.23	4,120.68
12,813.00	87.04	89.78	4,451.07	8,857.07	40.10 N	4,152.46 E	736,738.00	667,821.06	4.46	4,152.65
12,845.00	87.38	90.16	4,452.63	8,858.63	40.12 N	4,184.42 E	736,738.02	667,853.02	1.59	4,184.61
12,876.00	88.12	89.73	4,453.84	8,859.84	40.15 N	4,215.40 E	736,738.05	667,884.00	2.76	4,215.59
12,908.00	88.33	89.49	4,454.83	8,860.83	40.36 N	4,247.38 E	736,738.26	667,915.98	1.00	4,247.57
12,940.00	88.37	89.28	4,455.76	8,861.76	40.71 N	4,279.37 E	736,738.61	667,947.97	0.67	4,279.56
12,972.00	88.46	88.82	4,456.64	8,862.64	41.24 N	4,311.35 E	736,739.14	667,979.95	1.46	4,311.55
13,003.00	88.67	88.46	4,457.42	8,863.42	41.97 N	4,342.33 E	736,739.87	668,010.93	1.34	4,342.53
13,035.00	88.80	88.42	4,458.12	8,864.12	42.84 N	4,374.31 E	736,740.74	668,042.91	0.43	4,374.52
13,067.00	89.32	87.92	4,458.65	8,864.65	43.87 N	4,406.29 E	736,741.77	668,074.89	2.25	4,406.51
13,099.00	89.44	87.63	4,458.99	8,864.99	45.11 N	4,438.26 E	736,743.01	668,106.86	0.98	4,438.49

Design Report for #1 - ST01

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates Northing (ft)	Local Coordinates Easting (ft)	Map Coordinates Northing (ft)	Map Coordinates Easting (ft)	Dogleg Rate (°/100ft)	Vertical Section (ft)
13,131.00	89.50	87.40	4,459.29	8,865.29	46.50 N	4,470.23 E	736,744.40	668,138.83	0.74	4,470.47
13,162.00	90.03	87.32	4,459.42	8,865.42	47.92 N	4,501.20 E	736,745.82	668,169.80	1.73	4,501.45
13,194.00	90.31	86.88	4,459.32	8,865.32	49.54 N	4,533.16 E	736,747.44	668,201.76	1.63	4,533.42
Last MWD at 13,194' MD										
13,242.00	90.31	86.88	4,459.06	8,865.06	52.15 N	4,581.09 E	736,750.05	668,249.69	0.00	4,581.37
Projection to TD at 13,242' MD										

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
13,194.00	8,865.32	49.54	4,533.16	Last MWD at 13,194' MD
13,242.00	8,865.06	52.15	4,581.09	Projection to TD at 13,242' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	E.11.#1.PBHL	89.50	Slot	0.00	0.00	0.00
8,516.00	13,242.00	MWD Survey			MWD	

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
E.11.#1.PBHL	0.00	0.00	8,910.00	40.70	4,617.60	736,738.60	668,286.20	33° 1' 26.942 N	103° 47' 3.403 W
- actual wellpath misses by 59.02ft at 13242.00ft MD (8865.06 TVD, 52.15 N, 4581.09 E)									
- Point									

North Reference Sheet for Enterprise 11ST Com - #1 - ST01

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 4,395' + KB 11' @ 4406.00ft (Patriot 4). Northing and Easting are relative to #1

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 3001 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is 104° 20' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:0° 0' 0.000 N°

False Easting: 500,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99993976

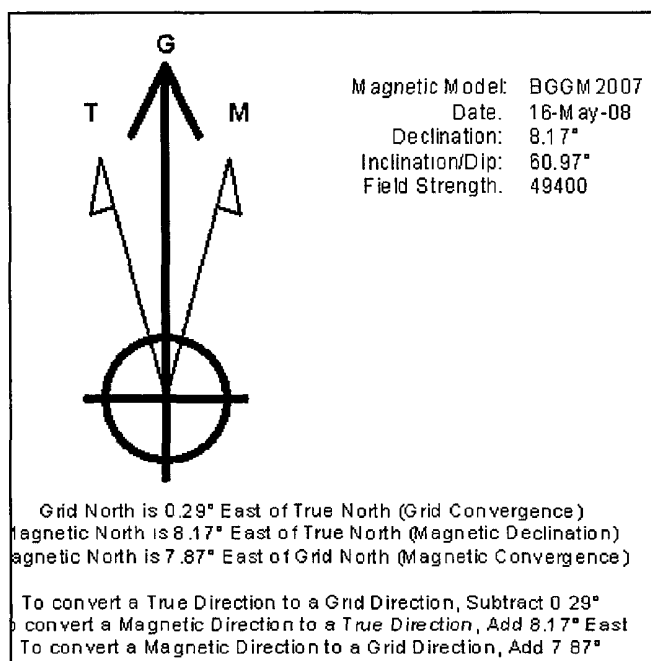
Grid Coordinates of Well: 736,697.90 ft N, 663,668.60 ft E

Geographical Coordinates of Well: 33° 01' 26.77" N, 103° 47' 57.64" W

Grid Convergence at Surface is: 0.29°

Based upon Minimum Curvature type calculations, at a Measured Depth of 13,242.00ft the Bottom Hole Displacement is 4,581.38ft in the Direction of 89.35° (Grid).

Magnetic Convergence at surface is: -7.87° (16 May 2008, , BGGM2007)



Well Summary and Graphs

REFERENCE SHEET FOR
UNDESIGNATED WELLS

	Fm	Pm	N	Pc
12-16 W	XX	XX		XX

paragraph

1. Date: 9/27/2008	
2. Type of Well:	
Oil: XX	Gas:
3. County: LEA	

4. Operator	CIMAREX ENERGY CO OF COLORADO		API NUMBER	30 - 005 - 28002
5. Address of Operator	PO BOX 140907			
	IRVING TX 75014-0907			
6. Lease name or Unit Agreement Name	>> ENTERPRISE 11 STATE COM			7. Well Number # - 1
8. Well Location				
Unit Letter M/P	375/427	feet from the S	line and 330/969	feet from the W/E line
Section		Township	Range	

9. Completion Date	7/18/2008	11. Perfs	Top	Bottom	TD
			11608	13242	13242
10. Name of Producing Formation(s)	WOLFCAMP	12. Open Hole Casing shoe	Bottom	PBD	

13. C-123 Filed	Date	15. Name of Pool Requested or temporary Wildcat designation	Pool ID num
Y N XX		WILDCAT G-05 S1531110;WOLFCAMP	97715

16. Remarks	NEW POOL

TO BE COMPLETED BY DISTRICT GEOLOGIST		
17. Action taken	18. Pool Name	Pool ID num
NEW POOL	MEDLIN RANCH;WOLFCAMP	97715
T 15 S, R 31 E Sec 11: SE/4		

19. Advertised for HEARING	20. Case Number
21. Name of pool for which was advertised	Pool ID num
MEDLIN RANCH;WOLFCAMP	97715
22. Placed in Pool	23. By order number
	R-