

Results of Directional Survey

API number:	30-005-29057		
OGRID:		Operator:	CIMAREX ENERGY CO OF COLORADO
		Property:	ENTERPRISE 11 FEDERAL COM # 3

surface	ULSTR:	E	11	T 15S	R 31E
		1980	FNL	330	FWL

BH Loc	ULSTR:	H	11	T 15S	R 31E
		1943	FNL	4888	FWL

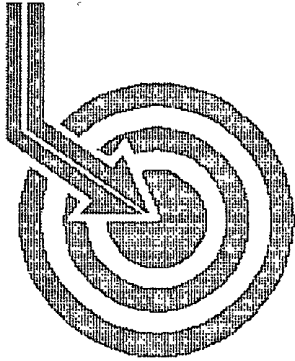
	MD	N/S	E/W	VD
	8810	34.74	116.14	8770.81
TOP PERFS/OH	8837	31.83	141.53	8779.41
	8842	31.29	146.23	8781.00
	13172	39.48	4471.92	8859.16
BOT PERFS/OH	13258	36.77	4557.89	8859.00
	13204	38.47	4503.91	8859.10

NEXT TO LAST	13172	39.48	4471.92	8859.16
LAST READING	13204	38.47	4503.91	8859.10
TD	13258	36.77	4557.89	8859.00

Surface Location	1980	FN	330	FW
Projected BHL	1943	FN	4888	FW
Location of				
Top Perfs/OH	1948	FN	472	FW
Bottom Perfs/OH	1943	FN	4888	FW

SUMMARY of Subsurface Locations

Surface Location	E-11-15S-31E	1980	FN	330	FW	Vert. Depth
Top Perfs/OH	E-11-15S-31E	1948	FN	472	FW	8779.41
Bottom Perfs/OH	H-11-15S-31E	1943	FN	4888	FW	8859.00
Projected TD	H-11-15S-31E	1943	FN	4888	FW	8859.00



Scientific Drilling

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CIMAREX ENERGY

Field: Wildcat
Site: Chaves County, NM
Well: Enterprise 11 ^{Red} State Com #3H
Wellpath: VH - Job #32K1108868
Survey: 11/03/08

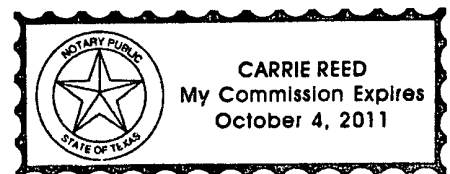
SUR: E-11-15s-31e, 1980/N & 330/W
BHL: H-11-15s-31e, 1943/N & 4888/W
API # 30-005-29057

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Rehman..... Company Representative

Notorized this date 22nd of December, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: CIMAREX ENERGY	Date: 12/17/2008	Time: 14:51:01	Page: 1
Field: Wildcat	Co-ordinate(NE) Reference:	Site: Chaves County, NM, True North	
Site: Chaves County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Enterprise 11 State Com #3H	Section (VS) Reference:	Well (0.00N,0.00E,89.48Azi)	
Wellpath: VH - Job #32K1108868	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 11/03/08 KSRG 0'-8372'	Start Date: 11/03/2008
Company: Scientific Drilling Internatio	Engineer: Guebara w/GeoGyro
Tool: Keeper;Keeper Gyro	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.21	73.27	100.00	0.18	0.05	0.18	0.21	0.18	73.27
200.00	0.20	67.95	200.00	0.51	0.17	0.51	0.02	0.54	71.55
300.00	0.21	29.30	300.00	0.77	0.40	0.76	0.14	0.86	62.59
400.00	0.18	50.74	400.00	0.98	0.66	0.98	0.08	1.18	56.10
500.00	0.18	352.27	500.00	1.08	0.91	1.08	0.18	1.41	49.76
600.00	0.20	2.64	600.00	1.07	1.24	1.06	0.04	1.63	40.59
700.00	0.16	13.17	700.00	1.12	1.55	1.10	0.05	1.90	35.41
800.00	0.08	356.55	800.00	1.15	1.76	1.13	0.09	2.09	32.76
900.00	0.10	64.63	900.00	1.22	1.86	1.21	0.10	2.22	32.89
1000.00	0.24	66.63	1000.00	1.49	1.98	1.48	0.14	2.47	36.65
1100.00	0.31	21.04	1099.99	1.79	2.32	1.77	0.22	2.92	37.27
1200.00	0.08	317.71	1199.99	1.84	2.62	1.82	0.28	3.19	34.68
1300.00	0.12	179.07	1299.99	1.79	2.57	1.77	0.19	3.12	34.55
1400.00	0.11	297.45	1399.99	1.71	2.51	1.69	0.20	3.02	33.90
1500.00	0.18	288.65	1499.99	1.48	2.60	1.45	0.07	2.98	29.15
1600.00	0.09	359.99	1599.99	1.33	2.73	1.30	0.17	3.03	25.50
1700.00	0.21	56.81	1699.99	1.48	2.91	1.46	0.18	3.26	26.58
1800.00	0.33	41.86	1799.99	1.83	3.23	1.80	0.14	3.70	29.19
1900.00	0.67	60.27	1899.99	2.54	3.73	2.50	0.37	4.49	33.85
2000.00	1.08	74.79	1999.98	3.96	4.27	3.92	0.46	5.80	42.56
2100.00	1.42	66.47	2099.95	6.01	5.01	5.97	0.38	7.79	49.97
2200.00	1.21	70.95	2199.93	8.15	5.85	8.10	0.23	9.99	54.16
2300.00	1.30	61.29	2299.90	10.15	6.74	10.09	0.23	12.14	56.27
2400.00	1.08	71.64	2399.88	12.05	7.58	11.98	0.31	14.18	57.68
2500.00	0.78	56.86	2499.87	13.52	8.25	13.45	0.38	15.78	58.47
2600.00	0.82	55.45	2599.86	14.69	9.03	14.61	0.04	17.17	58.28
2700.00	0.63	44.56	2699.85	15.67	9.83	15.58	0.23	18.42	57.76
2800.00	0.49	46.34	2799.84	16.37	10.51	16.28	0.14	19.38	57.14
2900.00	0.43	53.59	2899.84	16.99	11.03	16.89	0.08	20.17	56.85
3000.00	0.37	64.73	2999.84	17.58	11.39	17.48	0.10	20.86	56.91
3100.00	0.35	70.04	3099.84	18.16	11.63	18.06	0.04	21.48	57.21
3200.00	0.33	59.73	3199.84	18.70	11.88	18.60	0.06	22.07	57.42
3300.00	0.38	55.92	3299.83	19.23	12.21	19.12	0.06	22.69	57.43
3400.00	0.48	48.91	3399.83	19.82	12.67	19.71	0.11	23.43	57.26
3500.00	0.41	31.29	3499.83	20.33	13.26	20.21	0.15	24.17	56.74
3600.00	0.32	24.57	3599.83	20.64	13.82	20.51	0.10	24.73	56.04
3700.00	0.39	52.70	3699.82	21.03	14.28	20.90	0.19	25.31	55.66
3800.00	0.63	49.61	3799.82	21.72	14.84	21.59	0.24	26.20	55.50
3900.00	0.53	47.42	3899.81	22.49	15.51	22.35	0.10	27.20	55.24
4000.00	0.45	72.28	3999.81	23.21	15.94	23.06	0.22	28.04	55.35
4100.00	0.57	58.15	4099.81	24.01	16.32	23.86	0.17	28.91	55.62
4200.00	0.40	47.92	4199.80	24.69	16.82	24.54	0.19	29.75	55.58
4300.00	0.56	63.62	4299.80	25.39	17.27	25.24	0.21	30.58	55.62
4400.00	0.61	38.04	4399.80	26.17	17.91	26.00	0.26	31.57	55.45
4500.00	0.53	54.12	4499.79	26.87	18.60	26.71	0.18	32.54	55.15
4600.00	0.70	43.24	4599.78	27.67	19.31	27.50	0.21	33.60	54.92
4700.00	0.52	23.82	4699.78	28.28	20.17	28.10	0.27	34.59	54.33
4800.00	0.77	34.00	4799.77	28.85	21.14	28.66	0.27	35.62	53.58



Scientific Drilling International Survey Report

Company: CIMAREX ENERGY

Field: Wildcat

Site: Chaves County, NM

Well: Enterprise 11 State Com #3H

Wellpath: VH - Job #32K1108868

Date: 12/17/2008

Co-ordinate(NE) Reference:

Vertical (TVD) Reference:

Section (VS) Reference:

Survey Calculation Method:

Time: 14:51:01

Site: Chaves County, NM, True North

SITE 0.0

Well (0.00N,0.00E,89.48Azi)

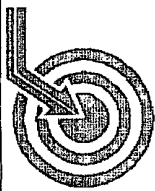
Minimum Curvature

Page: 2

Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.56	22.85	4899.77	29.43	22.15	29.23	0.25	36.67	52.84
5000.00	0.55	339.79	4999.76	29.46	23.05	29.25	0.41	37.24	51.76
5100.00	0.62	314.99	5099.76	28.92	23.89	28.70	0.26	37.34	50.23
5200.00	0.54	334.56	5199.75	28.34	24.69	28.12	0.21	37.42	48.71
5300.00	0.50	294.10	5299.75	27.74	25.30	27.52	0.36	37.38	47.41
5400.00	0.49	312.02	5399.74	27.03	25.76	26.80	0.15	37.17	46.13
5500.00	0.36	287.09	5499.74	26.42	26.14	26.18	0.22	37.00	45.05
5600.00	0.59	291.97	5599.74	25.64	26.43	25.40	0.23	36.66	43.87
5700.00	0.50	301.43	5699.73	24.80	26.85	24.55	0.13	36.38	42.45
5800.00	0.75	293.68	5799.73	23.83	27.34	23.58	0.26	36.10	40.78
5900.00	1.07	292.12	5899.71	22.37	27.95	22.12	0.32	35.64	38.36
6000.00	0.99	298.03	5999.70	20.75	28.71	20.49	0.13	35.27	35.52
6100.00	1.02	285.84	6099.68	19.14	29.36	18.87	0.22	34.90	32.74
6200.00	1.10	282.93	6199.67	17.35	29.81	17.08	0.10	34.36	29.81
6300.00	1.06	289.42	6299.65	15.55	30.34	15.27	0.13	33.96	26.72
6400.00	0.82	285.14	6399.63	13.99	30.83	13.71	0.25	33.74	23.97
6500.00	0.96	281.99	6499.62	12.48	31.19	12.20	0.15	33.49	21.36
6600.00	0.94	291.24	6599.61	10.90	31.66	10.62	0.15	33.40	18.53
6700.00	0.70	276.57	6699.60	9.53	32.03	9.24	0.32	33.34	16.10
6800.00	0.87	287.23	6799.59	8.20	32.33	7.91	0.22	33.28	13.75
6900.00	0.69	298.77	6899.58	6.96	32.84	6.66	0.24	33.51	11.46
7000.00	0.71	264.57	6999.57	5.81	33.07	5.51	0.41	33.53	9.47
7100.00	0.73	273.41	7099.57	4.56	33.05	4.26	0.11	33.32	7.35
7200.00	0.61	265.09	7199.56	3.40	33.04	3.10	0.15	33.19	5.35
7300.00	0.83	269.83	7299.55	2.14	32.99	1.84	0.23	33.05	3.19
7400.00	0.31	279.65	7399.55	1.15	33.04	0.85	0.53	33.05	1.47
7500.00	0.17	222.84	7499.54	0.78	32.97	0.48	0.26	32.98	0.84
7600.00	0.15	76.29	7599.54	0.81	32.90	0.51	0.31	32.90	0.89
7700.00	0.35	117.68	7699.54	1.20	32.79	0.91	0.26	32.80	1.58
7800.00	0.40	73.68	7799.54	1.81	32.74	1.51	0.28	32.78	2.64
7900.00	0.70	96.48	7899.54	2.75	32.77	2.45	0.37	32.86	4.28
8000.00	0.96	103.83	7999.53	4.17	32.50	3.87	0.28	32.73	6.80
8100.00	0.97	104.20	8099.51	5.80	32.09	5.51	0.01	32.56	9.74
8200.00	1.34	89.46	8199.49	7.79	31.90	7.50	0.47	32.77	13.23
8300.00	2.06	98.00	8299.45	10.73	31.66	10.45	0.76	33.34	18.26
8372.00	1.88	91.93	8371.40	13.19	31.44	12.91	0.38	33.99	22.32



Scientific
Drilling

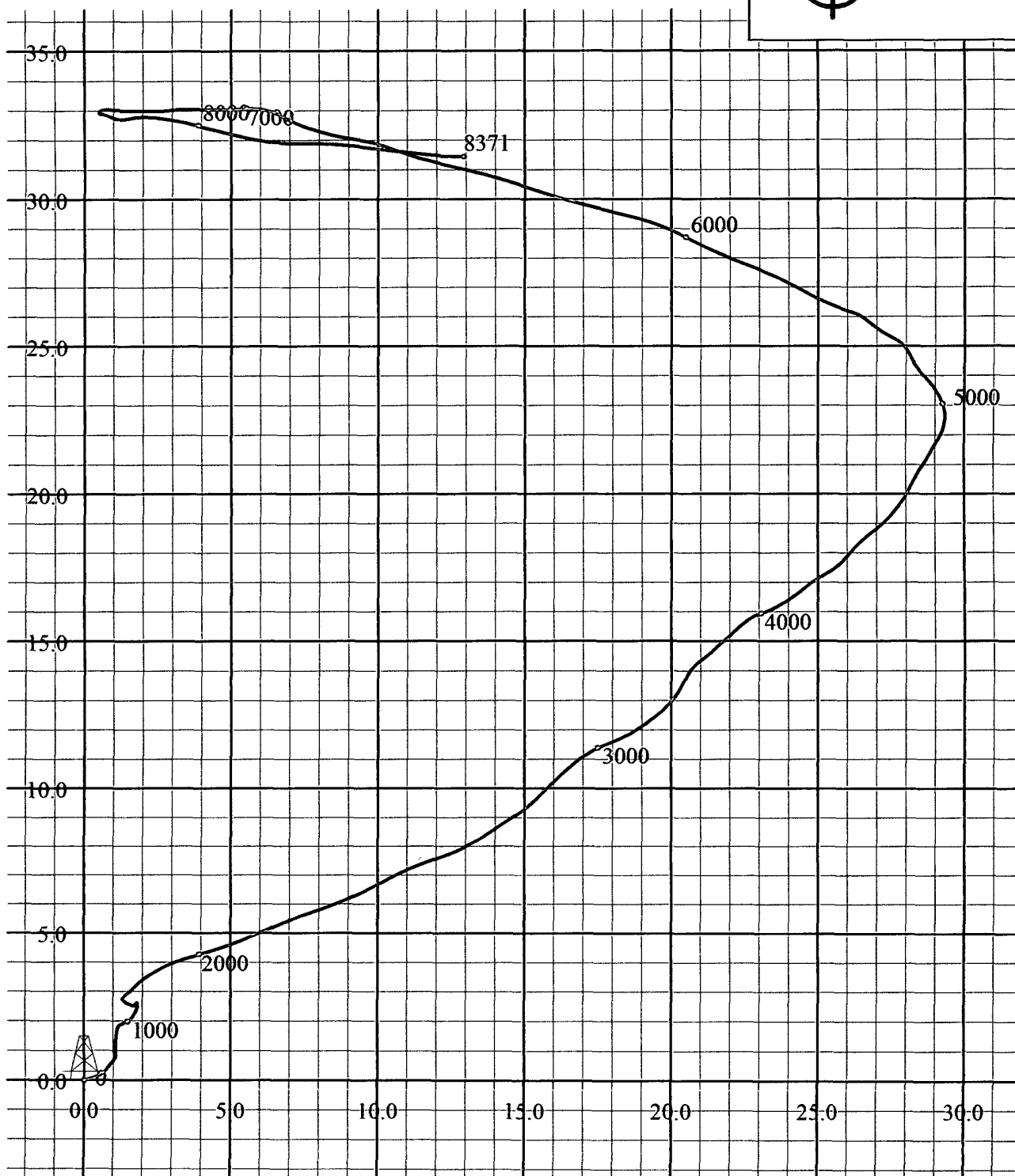
Field: Wildcat
Site: Chaves County, NM
Well: Enterprise 11 State Com #3H
Wellpath: VH - Job #32K1108868
Survey: 11/03/08



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 12/17/2008
Model: igrf2000

South(-)/North(+) [5ft/in]



West(-)/East(+) [5ft/in]



Cimarex Energy Co. of Colorado

Location: Chaves County, NM
Field: (Enterprise) Sec 11, T15S, R31E
Facility: Enterprise 11 Fed Com No. 3H

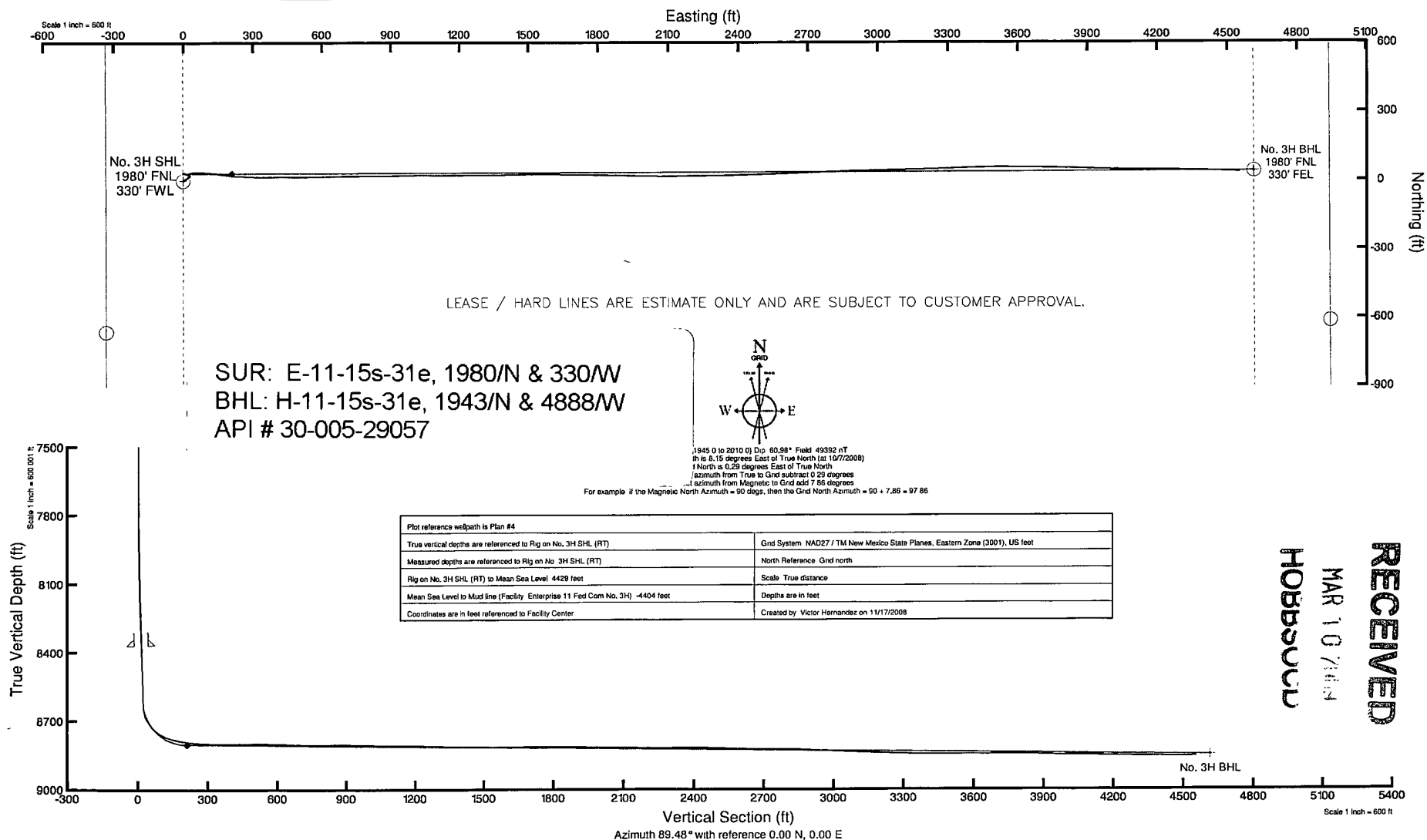
Slot: No. 3H SHL
Well: No. 3H
Wellbore: No. 3H PWB



INTEQ

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	8372.00	1.880	91.930	8371.40	31.44	12.91	0.00	13.19
EST. KOP	8620.00	1.950	89.869	8619.27	31.31	21.19	0.04	21.48
END OF CURVE	8913.49	89.402	89.869	8805.00	31.75	211.36	29.80	211.64
No. 3H BHL	13319.17	89.402	89.869	8851.00	41.80	4616.79	0.00	4616.98





Actual Wellpath Report

No. 3H AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3H SHL
Area	Chaves County, NM	Well	No. 3H
Field	(Enterprise) Sec 11, T15S, R31E	Wellbore	No. 3H AWB
Facility	Enterprise 11 Fed Com No. 3H		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.99994	Report Generated	11/17/2008 at 3:14:58 PM
Convergence at slot	0.29° East	Database/Source file	WA_Midland/No. 3H_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	663654.10	739623.00	33°01'55.718"N	103°47'57.635"W
Facility Reference Pt			663654.10	739623.00	33°01'55.718"N	103°47'57.635"W
Field Reference Pt			663654.10	739623.00	33°01'55.718"N	103°47'57.635"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 3H SHL (RT) to Facility Vertical Datum	25.00ft
Horizontal Reference Pt	Facility Center	Rig on No. 3H SHL (RT) to Mean Sea Level	4429.00ft
Vertical Reference Pt	Rig on No. 3H SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 3H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	89.48°

SUR: E-11-15s-31e, 1980/N & 330/W
BHL: H-11-15s-31e, 1943/N & 4888/W
API # 30-005-29057



Actual Wellpath Report

No. 3H AWP

Page 2 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3H SHL
Area	Chaves County, NM	Well	No. 3H
Field	(Enterprise) Sec 11, T15S, R31E	Wellbore	No. 3H AWB
Facility	Enterprise 11 Fed Com No. 3H		

WELLPATH DATA (232 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
0.00	0.000	73.270	0.00	0.00	0.00	0.00	663654.10	739623.00	33°01'55.718"N	103°47'57.635"W	0.00	0.000	0.00
100.00	0.210	73.270	100.00	0.18	0.05	0.18	663654.28	739623.05	33°01'55.719"N	103°47'57.633"W	0.18	73.270	0.21
200.00	0.200	67.950	200.00	0.51	0.17	0.51	663654.61	739623.17	33°01'55.720"N	103°47'57.629"W	0.54	71.554	0.02
300.00	0.210	29.300	300.00	0.77	0.40	0.76	663654.86	739623.40	33°01'55.722"N	103°47'57.626"W	0.86	62.586	0.14
400.00	0.180	50.740	400.00	1.08	0.66	0.98	663655.08	739623.66	33°01'55.725"N	103°47'57.623"W	1.18	56.098	0.08
500.00	0.180	352.270	500.00	1.08	0.91	1.08	663655.18	739623.91	33°01'55.727"N	103°47'57.622"W	1.41	49.759	0.18
600.00	0.200	2.640	600.00	1.07	1.24	1.06	663655.16	739624.24	33°01'55.731"N	103°47'57.622"W	1.63	40.589	0.04
700.00	0.160	13.170	700.00	1.12	1.55	1.10	663655.20	739624.55	33°01'55.734"N	103°47'57.622"W	1.90	35.414	0.05
800.00	0.080	356.550	800.00	1.15	1.76	1.13	663655.23	739624.76	33°01'55.736"N	103°47'57.621"W	2.09	32.762	0.09
900.00	0.100	64.630	900.00	1.22	1.86	1.21	663655.30	739624.86	33°01'55.737"N	103°47'57.620"W	2.22	32.887	0.10
1000.00	0.240	66.630	1000.00	1.49	1.98	1.48	663655.58	739624.98	33°01'55.738"N	103°47'57.617"W	2.47	36.649	0.14
1100.00	0.310	21.040	1099.99	1.79	2.32	1.77	663655.87	739625.32	33°01'55.741"N	103°47'57.614"W	2.92	37.275	0.22
1200.00	0.080	317.710	1199.99	1.84	2.62	1.82	663655.92	739625.62	33°01'55.744"N	103°47'57.613"W	3.19	34.683	0.28
1300.00	0.120	179.070	1299.99	1.79	2.57	1.77	663655.87	739625.57	33°01'55.744"N	103°47'57.614"W	3.12	34.554	0.19
1400.00	0.110	297.450	1399.99	1.71	2.51	1.69	663655.79	739625.51	33°01'55.743"N	103°47'57.615"W	3.02	33.901	0.20
1500.00	0.180	288.650	1499.99	1.48	2.60	1.45	663655.55	739625.60	33°01'55.744"N	103°47'57.617"W	2.98	29.152	0.07
1600.00	0.090	359.990	1599.99	1.33	2.73	1.30	663655.40	739625.73	33°01'55.745"N	103°47'57.619"W	3.03	25.504	0.17
1700.00	0.210	56.810	1699.99	1.48	2.91	1.46	663655.56	739625.91	33°01'55.747"N	103°47'57.617"W	3.26	26.584	0.18
1800.00	0.330	41.860	1799.99	1.83	3.23	1.80	663655.90	739626.23	33°01'55.750"N	103°47'57.613"W	3.70	29.191	0.14
1900.00	0.670	60.270	1899.99	2.54	3.73	2.50	663656.60	739626.73	33°01'55.755"N	103°47'57.605"W	4.49	33.850	0.37
2000.00	1.080	74.790	1999.98	3.96	4.27	3.92	663658.02	739627.27	33°01'55.760"N	103°47'57.588"W	5.80	42.560	0.46
2100.00	1.420	66.470	2099.95	6.01	5.01	5.97	663660.07	739628.01	33°01'55.768"N	103°47'57.564"W	7.79	49.971	0.38
2200.00	1.210	70.950	2199.93	8.15	5.85	8.10	663662.20	739628.85	33°01'55.776"N	103°47'57.539"W	9.99	54.160	0.23
2300.00	1.300	61.290	2299.90	10.15	6.74	10.09	663664.19	739629.74	33°01'55.785"N	103°47'57.516"W	12.14	56.265	0.23
2400.00	1.080	71.640	2399.88	12.05	7.58	11.98	663666.08	739630.58	33°01'55.793"N	103°47'57.493"W	14.18	57.677	0.31
2500.00	0.780	56.860	2499.87	13.52	8.25	13.45	663667.55	739631.25	33°01'55.799"N	103°47'57.476"W	15.78	58.467	0.38
2600.00	0.820	55.450	2599.86	14.69	9.03	14.61	663668.70	739632.03	33°01'55.807"N	103°47'57.463"W	17.17	58.278	0.04
2700.00	0.630	44.560	2699.85	15.67	9.83	15.58	663669.68	739632.83	33°01'55.815"N	103°47'57.451"W	18.42	57.763	0.23
2800.00	0.490	46.340	2799.84	16.37	10.51	16.28	663670.37	739633.51	33°01'55.822"N	103°47'57.443"W	19.38	57.141	0.14
2900.00	0.430	53.590	2899.84	16.99	11.03	16.89	663670.99	739634.03	33°01'55.827"N	103°47'57.436"W	20.17	56.847	0.08



Actual Wellpath Report

No. 3H AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3H SHL
Area	Chaves County, NM	Well	No. 3H
Field	(Enterprise) Sec 11, T15S, R31E	Wellbore	No. 3H A WB
Facility	Enterprise 11 Fed Com No. 3H		

WELLPATH DATA (232 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
3000.00	0.370	64.730	2999.84	17.58	11.39	17.48	663671.58	739634.39	33°01'55.830"N	103°47'57.429"W	20.86	56.910	0.10
3100.00	0.350	70.040	3099.84	18.16	11.63	18.06	663672.16	739634.63	33°01'55.833"N	103°47'57.422"W	21.48	57.213	0.04
3200.00	0.330	59.730	3199.84	18.70	11.88	18.60	663672.69	739634.88	33°01'55.835"N	103°47'57.415"W	22.07	57.421	0.06
3300.00	0.380	55.920	3299.83	19.23	12.21	19.12	663673.22	739635.21	33°01'55.838"N	103°47'57.409"W	22.69	57.429	0.06
3400.00	0.480	48.910	3399.83	19.82	12.67	19.71	663673.81	739635.67	33°01'55.843"N	103°47'57.402"W	23.43	57.256	0.11
3500.00	0.410	31.290	3499.83	20.33	13.26	20.21	663674.31	739636.26	33°01'55.849"N	103°47'57.396"W	24.17	56.740	0.15
3600.00	0.320	24.570	3599.83	20.64	13.82	20.51	663674.61	739636.81	33°01'55.854"N	103°47'57.393"W	24.73	56.040	0.10
3700.00	0.390	52.700	3699.82	21.03	14.28	20.90	663675.00	739637.27	33°01'55.859"N	103°47'57.388"W	25.31	55.665	0.19
3800.00	0.630	49.610	3799.82	21.72	14.84	21.59	663675.69	739637.84	33°01'55.864"N	103°47'57.380"W	26.20	55.499	0.24
3900.00	0.530	47.420	3899.81	22.49	15.51	22.35	663676.45	739638.51	33°01'55.871"N	103°47'57.371"W	27.20	55.244	0.10
4000.00	0.450	72.280	3999.81	23.21	15.94	23.06	663677.16	739638.94	33°01'55.875"N	103°47'57.363"W	28.04	55.350	0.22
4100.00	0.570	58.150	4099.81	24.01	16.32	23.86	663677.96	739639.32	33°01'55.879"N	103°47'57.353"W	28.91	55.625	0.17
4200.00	0.400	47.920	4199.80	24.69	16.82	24.54	663678.64	739639.82	33°01'55.884"N	103°47'57.345"W	29.75	55.577	0.19
4300.00	0.560	63.620	4299.80	25.39	17.27	25.24	663679.34	739640.27	33°01'55.888"N	103°47'57.337"W	30.58	55.618	0.21
4400.00	0.610	38.040	4399.80	26.17	17.91	26.00	663680.10	739640.90	33°01'55.894"N	103°47'57.328"W	31.57	55.450	0.26
4500.00	0.530	54.120	4499.79	26.87	18.60	26.71	663680.81	739641.59	33°01'55.901"N	103°47'57.320"W	32.54	55.150	0.18
4600.00	0.700	43.240	4599.78	27.67	19.31	27.50	663681.60	739642.31	33°01'55.908"N	103°47'57.310"W	33.60	54.921	0.21
4700.00	0.520	23.820	4699.78	28.28	20.17	28.10	663682.20	739643.17	33°01'55.917"N	103°47'57.303"W	34.59	54.328	0.27
4800.00	0.770	34.000	4799.77	28.85	21.14	28.66	663682.76	739644.14	33°01'55.926"N	103°47'57.297"W	35.62	53.582	0.27
4900.00	0.560	22.850	4899.77	29.43	22.15	29.23	663683.32	739645.15	33°01'55.936"N	103°47'57.290"W	36.67	52.840	0.25
5000.00	0.550	339.790	4999.76	29.46	23.05	29.25	663683.35	739646.05	33°01'55.945"N	103°47'57.290"W	37.24	51.758	0.41
5100.00	0.620	314.990	5099.76	28.92	23.89	28.70	663682.80	739646.88	33°01'55.953"N	103°47'57.296"W	37.34	50.233	0.26
5200.00	0.540	334.560	5199.75	28.34	24.69	28.12	663682.22	739647.69	33°01'55.961"N	103°47'57.303"W	37.42	48.709	0.21
5300.00	0.500	294.100	5299.75	27.74	25.30	27.52	663681.61	739648.30	33°01'55.967"N	103°47'57.310"W	37.38	47.406	0.36
5400.00	0.490	312.020	5399.74	27.03	25.76	26.80	663680.90	739648.76	33°01'55.972"N	103°47'57.318"W	37.17	46.132	0.15
5500.00	0.360	287.090	5499.74	26.42	26.14	26.18	663680.28	739649.14	33°01'55.976"N	103°47'57.326"W	37.00	45.046	0.22
5600.00	0.590	291.970	5599.74	25.64	26.43	25.40	663679.50	739649.42	33°01'55.979"N	103°47'57.335"W	36.66	43.872	0.23
5700.00	0.500	301.430	5699.73	24.80	26.85	24.55	663678.65	739649.84	33°01'55.983"N	103°47'57.345"W	36.38	42.448	0.13
5800.00	0.750	293.680	5799.73	23.83	27.34	23.58	663677.68	739650.33	33°01'55.988"N	103°47'57.356"W	36.10	40.785	0.26
5900.00	1.070	292.120	5899.71	22.37	27.95	22.12	663676.22	739650.95	33°01'55.994"N	103°47'57.373"W	35.64	38.357	0.32



Actual Wellpath Report

No. 3H AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3H SHL
Area	Chaves County, NM	Well	No. 3H
Field	(Enterprise) Sec 11, T15S, R31E	Wellbore	No. 3H AWB
Facility	Enterprise 11 Fed Com No. 3H		

WELLPATH DATA (232 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
6000.00	0.990	298.030	5999.70	20.75	28.71	20.49	663674.59	739651.71	33°01'56.001"N	103°47'57.392"W	35.27	35.519	0.13
6100.00	1.020	285.840	6099.68	19.14	29.36	18.87	663672.97	739652.35	33°01'56.008"N	103°47'57.411"W	34.90	32.735	0.22
6200.00	1.100	282.930	6199.67	17.35	29.81	17.08	663671.18	739652.81	33°01'56.013"N	103°47'57.432"W	34.36	29.808	0.10
6300.00	1.060	289.420	6299.65	15.55	30.34	15.27	663669.37	739653.33	33°01'56.018"N	103°47'57.453"W	33.96	26.722	0.13
6400.00	0.820	285.140	6399.63	13.99	30.83	13.74	663667.81	739653.83	33°01'56.023"N	103°47'57.472"W	33.74	23.973	0.25
6500.00	0.960	281.990	6499.62	12.48	31.19	12.20	663666.30	739654.19	33°01'56.026"N	103°47'57.489"W	33.49	21.361	0.15
6600.00	0.940	291.240	6599.61	10.90	31.66	10.62	663664.71	739654.66	33°01'56.031"N	103°47'57.508"W	33.40	18.534	0.15
6700.00	0.700	276.570	6699.60	9.53	32.03	9.24	663663.34	739655.03	33°01'56.035"N	103°47'57.524"W	33.34	16.098	0.32
6800.00	0.870	287.230	6799.59	8.20	32.33	7.91	663662.01	739655.32	33°01'56.038"N	103°47'57.540"W	33.28	13.753	0.22
6900.00	0.690	298.770	6899.58	6.96	32.84	6.66	663660.76	739655.84	33°01'56.043"N	103°47'57.554"W	33.51	11.463	0.24
7000.00	0.710	264.570	6999.57	5.81	33.07	5.51	663659.61	739656.07	33°01'56.045"N	103°47'57.568"W	33.53	9.467	0.41
7100.00	0.730	273.410	7099.57	4.56	33.05	4.26	663658.36	739656.05	33°01'56.045"N	103°47'57.583"W	33.32	7.348	0.11
7200.00	0.610	265.090	7199.56	3.39	33.04	3.10	663657.20	739656.04	33°01'56.045"N	103°47'57.596"W	33.19	5.352	0.15
7300.00	0.830	269.830	7299.55	2.14	32.99	1.84	663655.94	739655.99	33°01'56.045"N	103°47'57.611"W	33.05	3.193	0.23
7400.00	0.310	279.650	7399.55	1.15	33.04	0.85	663654.95	739656.04	33°01'56.045"N	103°47'57.623"W	33.05	1.473	0.53
7500.00	0.170	222.840	7499.54	0.78	32.97	0.48	663654.58	739655.97	33°01'56.045"N	103°47'57.627"W	32.98	0.838	0.26
7600.00	0.150	76.290	7599.54	0.81	32.90	0.51	663654.61	739655.89	33°01'56.044"N	103°47'57.627"W	32.90	0.886	0.31
7700.00	0.350	117.680	7699.54	1.20	32.79	0.91	663655.01	739655.78	33°01'56.043"N	103°47'57.622"W	32.80	1.583	0.26
7800.00	0.400	73.680	7799.54	1.81	32.74	1.51	663655.61	739655.74	33°01'56.042"N	103°47'57.615"W	32.78	2.643	0.28
7900.00	0.700	96.480	7899.54	2.75	32.77	2.45	663656.55	739655.77	33°01'56.043"N	103°47'57.604"W	32.86	4.282	0.37
8000.00	0.960	103.830	7999.53	4.17	32.50	3.87	663657.97	739655.50	33°01'56.040"N	103°47'57.587"W	32.73	6.797	0.28
8100.00	0.970	104.200	8099.51	5.80	32.09	5.51	663659.61	739655.09	33°01'56.036"N	103°47'57.568"W	32.56	9.738	0.01
8200.00	1.340	89.460	8199.49	7.79	31.90	7.50	663661.60	739654.90	33°01'56.034"N	103°47'57.545"W	32.77	13.228	0.47
8300.00	2.060	98.000	8299.45	10.73	31.66	10.45	663664.55	739654.66	33°01'56.031"N	103°47'57.510"W	33.34	18.262	0.76
8372.00	1.880	91.930	8371.40	13.19	31.44	12.91	663667.01	739654.44	33°01'56.029"N	103°47'57.481"W	33.99	22.323	0.38
8588.00	2.000	97.700	8587.28	20.46	30.81	20.18	663674.28	739653.81	33°01'56.022"N	103°47'57.396"W	36.84	33.227	0.11
8620.00	1.700	94.700	8619.26	21.49	30.70	21.21	663675.31	739653.70	33°01'56.021"N	103°47'57.384"W	37.32	34.641	0.98
8652.00	8.700	67.800	8651.12	24.21	31.58	23.93	663678.03	739654.58	33°01'56.030"N	103°47'57.352"W	39.62	37.154	22.58
8684.00	20.900	77.300	8682.00	32.07	33.76	31.77	663685.87	739656.75	33°01'56.051"N	103°47'57.259"W	46.35	43.263	38.75
8716.00	32.700	81.600	8710.51	46.27	36.28	45.94	663700.04	739659.28	33°01'56.075"N	103°47'57.093"W	58.54	51.699	37.35



Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3H SHL
Area	Chaves County, NM	Well	No. 3H
Field	(Enterprise) Sec 11, T15S, R31E	Wellbore	No. 3H AWB
Facility	Enterprise 11 Fed Com No. 3H		

WELLPATH DATA (232 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
8748.00	44.200	89.600	8735.55	66.06	37.63	65.72	663719.82	739660.63	33°01'56.087"N	103°47'56.860"W	75.73	60.208	39.09
8780.00	55.200	93.800	8756.22	90.40	36.83	90.07	663744.16	739659.83	33°01'56.078"N	103°47'56.575"W	97.31	67.759	35.79
8810.00	66.500	95.300	8770.81	116.45	34.74	116.14	663770.23	739657.74	33°01'56.056"N	103°47'56.268"W	121.23	73.348	37.92
8842.00	76.300	97.700	8781.00	146.51	31.29	146.23	663800.32	739654.29	33°01'56.021"N	103°47'55.915"W	149.54	77.922	31.44
8874.00	79.300	97.900	8787.77	177.46	27.05	177.22	663831.31	739650.05	33°01'55.977"N	103°47'55.552"W	179.27	81.323	19.39
8906.00	81.300	95.900	8793.16	208.73	23.26	208.53	663862.62	739646.26	33°01'55.938"N	103°47'55.184"W	209.82	83.636	8.78
8938.00	84.100	94.400	8797.22	240.31	20.41	240.14	663894.22	739643.41	33°01'55.908"N	103°47'54.813"W	241.00	85.141	9.91
8970.00	86.500	92.200	8799.85	272.13	18.58	271.97	663926.06	739641.58	33°01'55.889"N	103°47'54.439"W	272.61	86.092	10.16
9002.00	87.500	91.800	8801.52	304.05	17.46	303.91	663957.99	739640.46	33°01'55.876"N	103°47'54.064"W	304.41	86.711	3.37
9034.00	89.500	90.800	8802.36	336.03	16.74	335.89	663989.97	739639.74	33°01'55.867"N	103°47'53.689"W	336.30	87.147	6.99
9065.00	90.300	90.800	8802.41	367.02	16.30	366.88	664020.96	739639.30	33°01'55.861"N	103°47'53.324"W	367.25	87.456	2.58
9097.00	90.100	89.900	8802.30	399.01	16.11	398.88	664052.96	739639.11	33°01'55.858"N	103°47'52.949"W	399.21	87.687	2.88
9129.00	90.100	89.700	8802.25	431.01	16.22	430.88	664084.96	739639.22	33°01'55.857"N	103°47'52.573"W	431.19	87.844	0.62
9161.00	89.700	90.000	8802.30	463.01	16.30	462.88	664116.95	739639.30	33°01'55.856"N	103°47'52.197"W	463.17	87.983	1.56
9193.00	89.500	89.300	8802.52	495.01	16.50	494.88	664148.95	739639.50	33°01'55.857"N	103°47'51.821"W	495.16	88.090	2.27
9225.00	89.300	89.500	8802.86	527.01	16.83	526.88	664180.94	739639.83	33°01'55.858"N	103°47'51.445"W	527.15	88.170	0.88
9257.00	89.100	89.400	8803.31	559.00	17.14	558.87	664212.94	739640.14	33°01'55.860"N	103°47'51.069"W	559.14	88.243	0.70
9288.00	88.700	89.100	8803.90	590.00	17.55	589.86	664243.93	739640.55	33°01'55.862"N	103°47'50.705"W	590.13	88.296	1.61
9320.00	88.100	89.000	8804.80	621.99	18.08	621.85	664275.91	739641.08	33°01'55.866"N	103°47'50.330"W	622.11	88.335	1.90
9352.00	88.000	88.600	8805.88	653.96	18.75	653.82	664307.88	739641.75	33°01'55.871"N	103°47'49.954"W	654.09	88.358	1.29
9384.00	87.800	88.300	8807.06	685.94	19.61	685.79	664339.85	739642.61	33°01'55.878"N	103°47'49.579"W	686.07	88.362	1.13
9416.00	89.600	88.800	8807.78	717.92	20.42	717.77	664371.82	739643.42	33°01'55.884"N	103°47'49.203"W	718.06	88.370	5.84
9448.00	90.200	89.600	8807.84	749.92	20.87	749.76	664403.82	739643.87	33°01'55.887"N	103°47'48.827"W	750.06	88.406	3.12
9479.00	90.300	89.200	8807.70	780.92	21.19	780.76	664434.81	739644.19	33°01'55.889"N	103°47'48.463"W	781.05	88.445	1.33
9511.00	90.300	89.700	8807.54	812.92	21.50	812.76	664466.81	739644.50	33°01'55.890"N	103°47'48.087"W	813.05	88.485	1.56
9543.00	90.500	90.000	8807.31	844.92	21.58	844.76	664498.81	739644.58	33°01'55.889"N	103°47'47.711"W	845.04	88.536	1.13
9575.00	90.400	89.900	8807.06	876.92	21.61	876.76	664530.80	739644.61	33°01'55.888"N	103°47'47.335"W	877.03	88.588	0.44
9607.00	88.900	88.900	8807.26	908.92	21.95	908.76	664562.80	739644.95	33°01'55.890"N	103°47'46.960"W	909.02	88.617	5.63
9639.00	88.800	88.400	8807.90	940.91	22.70	940.74	664594.78	739645.70	33°01'55.896"N	103°47'46.584"W	941.01	88.618	1.59
9671.00	88.800	89.300	8808.57	972.90	23.34	972.73	664626.77	739646.34	33°01'55.900"N	103°47'46.208"W	973.01	88.625	2.81



Actual Wellpath Report

No. 3H AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co. of Colorado	Slot	No. 3H SHL
Area	Chaves County, NM	Well	No. 3H
Field	(Enterprise) Sec 11, T15S, R31E	Wellbore	No. 3H AWB
Facility	Enterprise 11 Fed Com No. 3H		

WELLPATH DATA (232 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
9703.00	88.800	89.100	8809.24	1004.89	23.79	1004.72	664658.75	739646.79	33°01'55.903"N	103°47'45.832"W	1005.00	88.644	0.62
9734.00	88.800	89.100	8809.89	1035.88	24.28	1035.71	664689.74	739647.27	33°01'55.906"N	103°47'45.468"W	1035.99	88.657	0.00
9766.00	88.700	89.500	8810.59	1067.87	24.67	1067.70	664721.73	739647.67	33°01'55.909"N	103°47'45.093"W	1067.98	88.677	1.29
9798.00	89.400	89.900	8811.12	1099.87	24.83	1099.69	664753.72	739647.83	33°01'55.909"N	103°47'44.717"W	1099.97	88.706	2.52
9830.00	89.600	89.900	8811.40	1131.87	24.89	1131.69	664785.72	739647.89	33°01'55.908"N	103°47'44.341"W	1131.96	88.740	0.62
9862.00	89.800	90.400	8811.56	1163.86	24.81	1163.69	664817.72	739647.81	33°01'55.905"N	103°47'43.965"W	1163.95	88.779	1.68
9894.00	90.200	90.000	8811.56	1195.86	24.70	1195.69	664849.71	739647.69	33°01'55.902"N	103°47'43.589"W	1195.94	88.817	1.77
9926.00	88.600	89.200	8811.90	1227.86	24.92	1227.68	664881.71	739647.92	33°01'55.903"N	103°47'43.214"W	1227.94	88.837	5.59
9957.00	88.500	90.000	8812.68	1258.85	25.13	1258.67	664912.69	739648.13	33°01'55.904"N	103°47'42.850"W	1258.92	88.856	2.60
9989.00	88.500	90.000	8813.52	1290.84	25.13	1290.66	664944.68	739648.13	33°01'55.902"N	103°47'42.474"W	1290.91	88.884	0.00
10021.00	88.700	89.600	8814.30	1322.83	25.25	1322.65	664976.67	739648.24	33°01'55.901"N	103°47'42.098"W	1322.89	88.906	1.40
10053.00	88.700	89.800	8815.03	1354.82	25.41	1354.64	665008.66	739648.41	33°01'55.902"N	103°47'41.722"W	1354.88	88.925	0.62
10084.00	88.400	89.200	8815.81	1385.81	25.68	1385.63	665039.65	739648.68	33°01'55.903"N	103°47'41.358"W	1385.87	88.938	2.16
10115.00	88.600	89.200	8816.62	1416.80	26.12	1416.62	665070.63	739649.12	33°01'55.905"N	103°47'40.994"W	1416.86	88.944	0.65
10147.00	89.900	88.900	8817.04	1448.79	26.65	1448.61	665102.62	739649.65	33°01'55.909"N	103°47'40.619"W	1448.86	88.946	4.17
10179.00	89.700	88.900	8817.16	1480.79	27.26	1480.60	665134.61	739650.26	33°01'55.913"N	103°47'40.243"W	1480.86	88.945	0.62
10211.00	89.300	89.200	8817.43	1512.79	27.79	1512.60	665166.60	739650.79	33°01'55.917"N	103°47'39.867"W	1512.85	88.947	1.56
10243.00	89.400	88.900	8817.80	1544.79	28.32	1544.59	665198.60	739651.32	33°01'55.921"N	103°47'39.491"W	1544.85	88.949	0.99
10275.00	90.000	90.000	8817.96	1576.78	28.63	1576.59	665230.59	739651.63	33°01'55.922"N	103°47'39.115"W	1576.85	88.960	3.92
10307.00	90.800	91.300	8817.74	1608.78	28.27	1608.59	665262.59	739651.27	33°01'55.917"N	103°47'38.740"W	1608.83	88.993	4.77
10339.00	90.900	91.500	8817.27	1640.75	27.49	1640.57	665294.57	739650.48	33°01'55.907"N	103°47'38.364"W	1640.80	89.040	0.70
10370.00	91.100	91.100	8816.73	1671.73	26.78	1671.56	665325.56	739649.78	33°01'55.899"N	103°47'38.000"W	1671.77	89.082	1.44
10402.00	91.100	91.100	8816.11	1703.72	26.17	1703.55	665357.54	739649.17	33°01'55.891"N	103°47'37.624"W	1703.75	89.120	0.00
10439.00	89.300	90.900	8815.98	1740.70	25.52	1740.54	665394.53	739648.52	33°01'55.883"N	103°47'37.190"W	1740.73	89.160	4.89
10466.00	89.500	90.400	8816.27	1767.69	25.22	1767.54	665421.53	739648.21	33°01'55.879"N	103°47'36.873"W	1767.72	89.183	1.99
10498.00	89.800	90.900	8816.46	1799.69	24.85	1799.53	665453.52	739647.85	33°01'55.873"N	103°47'36.497"W	1799.71	89.209	1.82
10530.00	89.700	91.200	8816.60	1831.67	24.27	1831.53	665485.52	739647.27	33°01'55.866"N	103°47'36.121"W	1831.69	89.241	0.99
10562.00	89.700	91.200	8816.77	1863.66	23.60	1863.52	665517.51	739646.59	33°01'55.858"N	103°47'35.746"W	1863.67	89.275	0.00
10594.00	89.600	91.600	8816.96	1895.64	22.81	1895.51	665549.49	739645.81	33°01'55.848"N	103°47'35.370"W	1895.65	89.310	1.29
10625.00	89.300	91.300	8817.26	1926.62	22.03	1926.50	665580.48	739645.03	33°01'55.839"N	103°47'35.006"W	1926.63	89.345	1.37



Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co. of Colorado	Slot	No. 3H SHL
Area	Chaves County, NM	Well	No. 3H
Field	(Enterprise) Sec 11, T15S, R31E	Wellbore	No. 3H AWB
Facility	Enterprise 11 Fed Com No. 3H		

WELLPATH DATA (232 stations)													
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
10657.00	88.900	91.700	8817.76	1958.60	21.19	1958.48	665612.46	739644.19	33°01'55.829"N	103°47'34.630"W	1958.60	89.380	1.77
10689.00	88.700	91.500	8818.43	1990.57	20.30	1990.47	665644.44	739643.30	33°01'55.819"N	103°47'34.255"W	1990.57	89.416	0.88
10721.00	88.800	91.100	8819.13	2022.54	19.57	2022.45	665676.42	739642.57	33°01'55.810"N	103°47'33.879"W	2022.54	89.446	1.29
10753.00	89.200	90.800	8819.69	2054.53	19.04	2054.44	665708.41	739642.04	33°01'55.803"N	103°47'33.503"W	2054.53	89.469	1.56
10784.00	89.900	90.100	8819.93	2085.52	18.80	2085.44	665739.41	739641.80	33°01'55.799"N	103°47'33.139"W	2085.52	89.484	3.19
10816.00	89.900	89.900	8819.99	2117.52	18.80	2117.44	665771.41	739641.80	33°01'55.797"N	103°47'32.763"W	2117.52	89.491	0.62
10848.00	89.000	89.200	8820.30	2149.52	19.05	2149.43	665803.40	739642.05	33°01'55.798"N	103°47'32.388"W	2149.52	89.492	3.56
10880.00	88.900	88.800	8820.88	2181.51	19.61	2181.42	665835.39	739642.61	33°01'55.802"N	103°47'32.012"W	2181.51	89.485	1.29
10911.00	88.800	88.800	8821.51	2212.50	20.26	2212.41	665866.37	739643.26	33°01'55.807"N	103°47'31.648"W	2212.50	89.475	0.32
10943.00	89.400	89.500	8822.01	2244.50	20.73	2244.40	665898.36	739643.73	33°01'55.810"N	103°47'31.272"W	2244.50	89.471	2.88
10975.00	90.500	89.100	8822.04	2276.50	21.12	2276.40	665930.36	739644.12	33°01'55.812"N	103°47'30.896"W	2276.50	89.468	3.66
11007.00	90.800	89.600	8821.67	2308.50	21.49	2308.40	665962.35	739644.49	33°01'55.814"N	103°47'30.520"W	2308.50	89.467	1.82
11039.00	90.300	89.200	8821.37	2340.49	21.82	2340.39	665994.35	739644.82	33°01'55.816"N	103°47'30.145"W	2340.49	89.466	2.00
11071.00	90.100	88.100	8821.25	2372.49	22.58	2372.38	666026.34	739645.57	33°01'55.822"N	103°47'29.769"W	2372.49	89.455	3.49
11103.00	89.900	88.200	8821.25	2404.48	23.61	2404.37	666058.32	739646.61	33°01'55.830"N	103°47'29.393"W	2404.48	89.437	0.70
11135.00	89.800	88.400	8821.34	2436.47	24.56	2436.35	666090.30	739647.56	33°01'55.838"N	103°47'29.017"W	2436.48	89.422	0.70
11167.00	88.800	89.100	8821.73	2468.47	25.26	2468.34	666122.29	739648.25	33°01'55.843"N	103°47'28.642"W	2468.47	89.414	3.81
11198.00	87.700	87.500	8822.68	2499.45	26.18	2499.31	666153.26	739649.17	33°01'55.851"N	103°47'28.278"W	2499.45	89.400	6.26
11230.00	88.100	88.000	8823.85	2531.41	27.43	2531.27	666185.21	739650.43	33°01'55.862"N	103°47'27.902"W	2531.41	89.379	2.00
11262.00	88.200	87.700	8824.88	2563.38	28.63	2563.23	666217.17	739651.63	33°01'55.872"N	103°47'27.527"W	2563.39	89.360	0.99
11293.00	88.300	87.800	8825.83	2594.35	29.85	2594.19	666248.13	739652.85	33°01'55.882"N	103°47'27.163"W	2594.36	89.341	0.46
11325.00	89.000	88.200	8826.58	2626.33	30.96	2626.16	666280.10	739653.96	33°01'55.892"N	103°47'26.788"W	2626.34	89.324	2.52
11357.00	89.500	88.100	8827.00	2658.32	32.00	2658.14	666312.07	739654.99	33°01'55.900"N	103°47'26.412"W	2658.33	89.310	1.59
11389.00	89.400	88.000	8827.31	2690.31	33.09	2690.12	666344.05	739656.08	33°01'55.909"N	103°47'26.036"W	2690.32	89.295	0.44
11420.00	89.900	87.600	8827.50	2721.30	34.28	2721.10	666375.03	739657.27	33°01'55.920"N	103°47'25.672"W	2721.31	89.278	2.07
11452.00	90.000	87.400	8827.52	2753.28	35.67	2753.07	666406.99	739658.67	33°01'55.932"N	103°47'25.297"W	2753.30	89.258	0.70
11484.00	89.700	87.400	8827.61	2785.26	37.12	2785.03	666438.96	739660.12	33°01'55.945"N	103°47'24.921"W	2785.28	89.236	0.94
11516.00	88.600	87.300	8828.08	2817.23	38.60	2816.99	666470.92	739661.60	33°01'55.958"N	103°47'24.546"W	2817.26	89.215	3.45
11548.00	87.600	87.300	8829.14	2849.19	40.11	2848.94	666502.86	739663.11	33°01'55.971"N	103°47'24.170"W	2849.22	89.193	3.12
11580.00	87.700	87.400	8830.46	2881.14	41.59	2880.88	666534.80	739664.58	33°01'55.984"N	103°47'23.795"W	2881.18	89.173	0.44



Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co. of Colorado	Slot	No. 3H SHL
Area	Chaves County, NM	Well	No. 3H
Field	(Enterprise) Sec 11, T15S, R31E	Wellbore	No. 3H AWB
Facility	Enterprise 11 Fed Com No. 3H		

WELLPATH DATA (232 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
11612.00	87.500	88.800	8831.80	2913.10	42.65	2912.83	666566.75	739665.64	33°01'55.993"N	103°47'23.420"W	2913.15	89.161	4.42
11643.00	87.600	88.700	8833.12	2944.07	43.32	2943.80	666597.71	739666.32	33°01'55.998"N	103°47'23.056"W	2944.12	89.157	0.46
11675.00	87.400	89.100	8834.52	2976.04	43.94	2975.76	666629.68	739666.93	33°01'56.002"N	103°47'22.681"W	2976.09	89.154	1.40
11707.00	87.300	89.100	8836.00	3008.00	44.44	3007.72	666661.64	739667.44	33°01'56.006"N	103°47'22.305"W	3008.05	89.154	0.31
11739.00	87.400	89.000	8837.48	3039.97	44.97	3039.68	666693.60	739667.97	33°01'56.009"N	103°47'21.930"W	3040.02	89.152	0.44
11771.00	87.000	88.800	8839.04	3071.93	45.58	3071.64	666725.55	739668.58	33°01'56.014"N	103°47'21.554"W	3071.98	89.150	1.40
11803.00	87.700	88.400	8840.52	3103.89	46.36	3103.60	666757.50	739669.36	33°01'56.020"N	103°47'21.179"W	3103.94	89.144	2.52
11835.00	88.100	88.900	8841.69	3135.86	47.12	3135.57	666789.47	739670.11	33°01'56.025"N	103°47'20.803"W	3135.92	89.139	2.00
11866.00	87.600	88.700	8842.85	3166.84	47.77	3166.54	666820.44	739670.76	33°01'56.030"N	103°47'20.440"W	3166.90	89.136	1.74
11898.00	88.000	88.300	8844.08	3198.81	48.60	3198.50	666852.40	739671.60	33°01'56.037"N	103°47'20.064"W	3198.87	89.129	1.77
11930.00	87.800	88.100	8845.26	3230.78	49.61	3230.47	666884.36	739672.60	33°01'56.045"N	103°47'19.689"W	3230.85	89.120	0.88
11961.00	87.600	87.700	8846.50	3261.75	50.74	3261.42	666915.32	739673.74	33°01'56.055"N	103°47'19.325"W	3261.81	89.109	1.44
11993.00	87.800	87.900	8847.78	3293.71	51.97	3293.37	666947.27	739674.97	33°01'56.065"N	103°47'18.950"W	3293.78	89.096	0.88
12025.00	88.700	88.500	8848.76	3325.68	52.97	3325.34	666979.23	739675.97	33°01'56.074"N	103°47'18.574"W	3325.76	89.087	3.38
12057.00	88.900	88.000	8849.43	3357.67	53.95	3357.32	667011.21	739676.95	33°01'56.082"N	103°47'18.199"W	3357.75	89.079	1.68
12089.00	89.400	88.200	8849.91	3389.65	55.01	3389.30	667043.18	739678.01	33°01'56.091"N	103°47'17.823"W	3389.74	89.070	1.68
12121.00	89.600	88.700	8850.19	3421.65	55.88	3421.28	667075.17	739678.87	33°01'56.098"N	103°47'17.447"W	3421.74	89.064	1.68
12152.00	89.500	88.800	8850.43	3452.64	56.55	3452.27	667106.16	739679.55	33°01'56.103"N	103°47'17.083"W	3452.74	89.061	0.46
12184.00	89.400	88.500	8850.74	3484.64	57.31	3484.26	667138.15	739680.30	33°01'56.108"N	103°47'16.707"W	3484.74	89.058	0.99
12216.00	90.100	88.700	8850.88	3516.64	58.09	3516.25	667170.14	739681.09	33°01'56.115"N	103°47'16.332"W	3516.73	89.054	2.28
12248.00	90.500	90.300	8850.71	3548.63	58.37	3548.25	667202.13	739681.36	33°01'56.116"N	103°47'15.956"W	3548.73	89.058	5.15
12280.00	90.400	91.200	8850.46	3580.62	57.95	3580.25	667234.12	739680.95	33°01'56.110"N	103°47'15.580"W	3580.72	89.073	2.83
12312.00	90.500	91.000	8850.21	3612.61	57.34	3612.24	667266.12	739680.33	33°01'56.102"N	103°47'15.204"W	3612.70	89.091	0.70
12344.00	90.300	90.700	8849.98	3644.60	56.86	3644.24	667298.11	739679.86	33°01'56.096"N	103°47'14.828"W	3644.68	89.106	1.13
12376.00	90.600	90.700	8849.73	3676.59	56.47	3676.23	667330.10	739679.47	33°01'56.090"N	103°47'14.453"W	3676.67	89.120	0.94
12407.00	90.400	90.600	8849.46	3707.59	56.12	3707.23	667361.10	739679.11	33°01'56.085"N	103°47'14.089"W	3707.65	89.133	0.72
12439.00	90.400	90.600	8849.24	3739.58	55.78	3739.23	667393.09	739678.78	33°01'56.080"N	103°47'13.713"W	3739.64	89.145	0.00
12471.00	89.900	91.300	8849.15	3771.57	55.25	3771.22	667425.09	739678.25	33°01'56.073"N	103°47'13.337"W	3771.63	89.161	2.69
12503.00	89.000	91.800	8849.46	3803.54	54.39	3803.21	667457.07	739677.38	33°01'56.063"N	103°47'12.961"W	3803.60	89.181	3.22
12535.00	88.500	92.200	8850.16	3835.51	53.27	3835.18	667489.04	739676.27	33°01'56.050"N	103°47'12.586"W	3835.55	89.204	2.00



Actual Wellpath Report

No. 3H AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co. of Colorado	Slot	No. 3H SHL
Area	Chaves County, NM	Well	No. 3H
Field	(Enterprise) Sec 11, T15S, R31E	Wellbore	No. 3H AWB
Facility	Enterprise 11 Fed Com No. 3H		

WELLPATH DATA (232 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
12567.00	88.600	91.700	8850.97	3867.47	52.18	3867.15	667521.01	739675.18	33°01'56.038"N	103°47'12.210"W	3867.50	89.227	1.59
12599.00	88.700	91.900	8851.72	3899.43	51.18	3899.13	667552.98	739674.17	33°01'56.026"N	103°47'11.835"W	3899.46	89.248	0.70
12631.00	88.800	91.900	8852.42	3931.39	50.12	3931.10	667584.96	739673.11	33°01'56.014"N	103°47'11.459"W	3931.42	89.270	0.31
12662.00	89.000	91.900	8853.02	3962.36	49.09	3962.08	667615.93	739672.09	33°01'56.003"N	103°47'11.096"W	3962.38	89.290	0.65
12694.00	89.300	90.800	8853.49	3994.34	48.33	3994.07	667647.92	739671.33	33°01'55.993"N	103°47'10.720"W	3994.36	89.307	3.56
12726.00	89.500	91.500	8853.83	4026.32	47.69	4026.06	667679.91	739670.69	33°01'55.985"N	103°47'10.344"W	4026.34	89.321	2.27
12758.00	89.600	91.500	8854.08	4058.30	46.85	4058.05	667711.89	739669.85	33°01'55.976"N	103°47'09.969"W	4058.32	89.338	0.31
12790.00	89.300	90.600	8854.38	4090.29	46.27	4090.04	667743.88	739669.27	33°01'55.968"N	103°47'09.593"W	4090.30	89.352	2.96
12821.00	89.000	90.000	8854.84	4121.28	46.11	4121.03	667774.88	739669.10	33°01'55.965"N	103°47'09.229"W	4121.29	89.359	2.16
12853.00	88.600	90.700	8855.51	4153.27	45.91	4153.03	667806.87	739668.91	33°01'55.961"N	103°47'08.853"W	4153.28	89.367	2.52
12885.00	89.400	90.500	8856.07	4185.26	45.58	4185.02	667838.86	739668.57	33°01'55.956"N	103°47'08.477"W	4185.27	89.376	2.58
12917.00	89.400	90.800	8856.41	4217.25	45.21	4217.02	667870.85	739668.21	33°01'55.951"N	103°47'08.102"W	4217.26	89.386	0.94
12949.00	88.700	90.600	8856.94	4249.24	44.82	4249.01	667902.84	739667.82	33°01'55.946"N	103°47'07.726"W	4249.25	89.396	2.28
12981.00	89.300	90.900	8857.50	4281.23	44.40	4281.00	667934.83	739667.40	33°01'55.940"N	103°47'07.350"W	4281.23	89.406	2.10
13012.00	89.400	91.000	8857.85	4312.22	43.89	4312.00	667965.83	739666.89	33°01'55.933"N	103°47'06.986"W	4312.22	89.417	0.46
13044.00	88.900	91.400	8858.32	4344.20	43.22	4343.98	667997.81	739666.22	33°01'55.925"N	103°47'06.610"W	4344.20	89.430	2.00
13076.00	89.900	92.100	8858.66	4376.17	42.24	4375.97	668029.79	739665.24	33°01'55.913"N	103°47'06.235"W	4376.17	89.447	3.81
13108.00	90.100	91.100	8858.66	4408.15	41.35	4407.95	668061.78	739664.35	33°01'55.903"N	103°47'05.859"W	4408.15	89.463	3.19
13140.00	89.200	92.000	8858.85	4440.13	40.48	4439.94	668093.76	739663.48	33°01'55.893"N	103°47'05.484"W	4440.13	89.478	3.98
13172.00	89.700	91.600	8859.16	4472.10	39.48	4471.92	668125.75	739662.48	33°01'55.881"N	103°47'05.108"W	4472.10	89.494	2.00
13204.00	90.500	92.000	8859.10	4504.07	38.47	4503.91	668157.73	739661.47	33°01'55.870"N	103°47'04.732"W	4504.07	89.511	2.80
13258.00†	90.500	92.000	8858.63	4558.02	36.59	4557.87	668211.69	739659.59	33°01'55.848"N	103°47'04.099"W	4558.02	89.540	0.00

HOLE & CASING SECTIONS Ref Wellbore: No. 3H AWB Ref Wellpath: No. 3H AWP									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
7in Casing	0.00	8372.00	8372.00	0.00	8371.40	0.00	0.00	31.44	12.91



Actual Wellpath Report

No. 3H AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co. of Colorado	Slot	No. 3H SHL
Area	Chaves County, NM	Well	No. 3H
Field	(Enterprise) Sec 11, T15S, R31E	Wellbore	No. 3H AWB
Facility	Enterprise 11 Fed Com No. 3H		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
No. 3H BHL		8851.00	41.80	4616.79	668270.60	739664.80	33°01'55.897"N	103°47'03.406"W	point

WELLPATH COMPOSITION					Ref Wellbore: No. 3H AWB		Ref Wellpath: No. 3H AWP	
Start MD [ft]	End MD [ft]	Positional Uncertainty Model			Log Name/Comment		Wellbore	
0.00	8372.00	Generic gyro - continuous (Standard)			GYRO		No. 3H AWB	
8372.00	13204.00	NaviTrak (Standard)			MWD		No. 3H AWB	
13204.00	13258.00	Blind Drilling (std)			Projection to bit		No. 3H AWB	

WINDOW @ 8637' FT

Strata-Port @ 9125'
3 3/4" Ball Activated

Hydro-Pak Anchor @ 9179'

Iso-Pac Packer @ 9236'

Strata-Port @ 9502'
3 1/2" Ball Activated

Iso-Pak Packer @ 9820'

Strata-Port @ 9997'
3 1/4" Ball Activated

Iso-Pak Packer @ 10573'

Strata-Port @ 10837'
3" Ball Activated

Iso-Pak Packer @ 11155'

Strata-Port @ 11464'
2 3/4" Ball Activated

Iso-Pak Packer @ 11734'

Strata-Port @ 11999'
2 1/2" Ball Activated

Iso-Pak Packer @ 12314'

Strata-Port @ 12581'
2 1/4" Ball Activated

Iso-Pak Packer @ 12764'

Hydro-Pak Anchor @ 12907'

Pump Out Plug @ 13000'

Top of Retrieval Seal Bore Packer @ 8367'

DOWNHOLE WELL PROFILE

WELL NAME	Enterprise 11 Fed #3H	DATE	11/15/08
SUPERVISOR	Jeff Lajoie	TOOL HAND	Doug Taylor
PHONE #	432-208-3080	PHONE #	575-631-4313
RIG #	Cactus #107	FIELD TICKET #	10928
ELEVATIONS			
KB ELEV	GL ELEV	KB TO THF	KB TO SCF
			RIG KBD
			PBTD
CASING/OPEN HOLE LAYOUT	OD (IN)	LANDED DEPTH	WEIGHT (LB/FT)
CASING DESCRIPTION	7"		26#
WINDOW DESCRIPTION	7"	8637.00	26#
OPEN HOLE DESCRIPTION	6 1/8"	13258.00	UNION @ 8637.00
DESCRIPTION			
STEERING DIRECTIONS			
DOWNHOLE DESCRIPTION FROM BOTTOM UP (Tubing/String)			
BOTTOM @	DESCRIPTION	LENGTH	ID
			OD
13000.00	Peak Pump Off Plug with 3/4" ID and check valve assembly	0.90	0.75
12999.10	3 1/2 8rd Pin x 4 1/2 LTC Box, P-110 cross-over	0.55	4.00
12998.55	2 Joints 4 1/2, 11.6#, P-110 LTC Liner	88.30	4.00
12910.25	4 1/2 x 2", 11.6#, P-110 LTC Liner sub	2.00	4.00
12908.25	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00
12907.67	7 x 4 1/2 Peak Hydro-Pak Anchor #1	4.30	4.00
12903.37	4 1/2 x 6" 11.6#, P-110, LTC Liner Sub	6.00	4.00
12897.37	3 Joints 4 1/2, 11.6#, P-110 LTC Liner	130.54	4.00
12766.83	4 1/2 x 2", 11.6#, P-110 LTC Liner sub	2.05	4.00
12764.78	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00
12764.20	7 x 4 1/2 eak Extreme Service Isolation Packer with 10K HTHP Element System #1	5.55	4.00
12758.65	4 1/2 x 6" 11.6#, P-110, LTC Liner Sub	6.10	4.00
12752.55	4 Joints 4 1/2, 11.6#, P-110 LTC Liner	171.54	4.00
12581.01	7 x 4 1/2 Peak Selective Sand Frac Sleeve with 2" ID Seat (2 1/4" Ball Actuated) #1	2.90	2.06
12578.11	6 Joints 4 1/2, 11.6#, P-110 LTC Liner	260.65	4.00
12317.46	4 1/2 x 2", 11.6#, P-110 LTC Liner sub	2.05	4.00
12315.41	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00
12314.83	7 x 4 1/2 eak Extreme Service Isolation Packer with 10K HTHP Element System #2	5.55	4.00
12309.28	4 1/2 x 6" 11.6#, P-110, LTC Liner Sub	6.10	4.00
12303.18	7 Joints 4 1/2, 11.6#, P-110 LTC Liner	304.17	4.00
11999.01	7 x 4 1/2 Peak Selective Sand Frac Sleeve with 2 1/4" ID Seat (2 1/2" Ball Actuated) #1	2.90	2.31
11996.11	6 Joints 4 1/2, 11.6#, P-110 LTC Liner	258.79	4.00
11737.32	4 1/2 x 2", 11.6#, P-110 LTC Liner sub	2.05	4.00
11735.27	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00
11734.69	7 x 4 1/2 eak Extreme Service Isolation Packer with 10K HTHP Element System #3	5.55	4.00
11729.14	4 1/2 x 6" 11.6#, P-110, LTC Liner Sub	6.10	4.00
11723.04	6 Joints 4 1/2, 11.6#, P-110 LTC Liner	258.31	4.00
11464.73	7 x 4 1/2 Peak Selective Sand Frac Sleeve with 2 1/2" ID Seat (2 3/4" Ball Actuated) #1	2.90	2.56
11461.83	7 Joints 4 1/2, 11.6#, P-110 LTC Liner	304.03	4.00
11157.80	4 1/2 x 2", 11.6#, P-110 LTC Liner sub	2.05	4.00
11155.75	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00
11155.17	7 x 4 1/2 eak Extreme Service Isolation Packer with 10K HTHP Element System #4	5.55	4.00
11149.62	4 1/2 x 6" 11.6#, P-110, LTC Liner Sub	6.10	4.00
11143.52	7 Joints 4 1/2, 11.6#, P-110 LTC Liner	306.34	4.00
10837.18	7 x 4 1/2 Peak Selective Sand Frac Sleeve with 2 3/4" ID Seat (3" Ball Actuated) #4	2.90	2.81
10834.28	6 Joints 4 1/2, 11.6#, P-110 LTC Liner	258.33	4.00
10575.95	4 1/2 x 2", 11.6#, P-110 LTC Liner sub	2.05	4.00
10573.90	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00
10573.32	7 x 4 1/2 eak Extreme Service Isolation Packer with 10K HTHP Element System #5	5.55	4.00
10567.77	4 1/2 x 6" 11.6#, P-110, LTC Liner Sub	6.10	4.00
10561.67	13 Joints 4 1/2, 11.6#, P-110 LTC Liner	563.87	4.00
9997.80	7 x 4 1/2 Peak Selective Sand Frac Sleeve with 3" ID Seat (3 1/4" Ball Actuated) #5	2.90	3.06
9994.90	4 Joints 4 1/2, 11.6#, P-110 LTC Liner	172.15	4.00
9822.75	4 1/2 x 2", 11.6#, P-110 LTC Liner sub	2.05	4.00
9820.70	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00
9820.12	7 x 4 1/2 eak Extreme Service Isolation Packer with 10K HTHP Element System #6	5.55	4.00
9814.57	4 1/2 x 6" 11.6#, P-110, LTC Liner Sub	6.10	4.00
9808.47	7 Joints 4 1/2, 11.6#, P-110 LTC Liner	305.75	4.00
9502.72	7 x 4 1/2 Peak Selective Sand Frac Sleeve with 3 1/4" ID Seat (3 1/2" Ball Actuated) #6	2.90	3.31
9499.82	6 Joints 4 1/2, 11.6#, P-110 LTC Liner	260.69	4.00
9239.13	4 1/2 x 2", 11.6#, P-110 LTC Liner sub	2.05	4.00
9237.08	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00
9236.50	7 x 4 1/2 eak Extreme Service Isolation Packer with 10K HTHP Element System #7	5.55	4.00
9230.95	4 1/2 x 6" 11.6#, P-110, LTC Liner Sub	6.10	4.00
9224.85	1 Joints 4 1/2, 11.6#, P-110 LTC Liner	43.02	4.00
9181.83	4 1/2 x 2", 11.6#, P-110 LTC Liner sub	2.00	4.00
9179.83	7 x 4 1/2 Peak Rotational Centralizer	0.58	4.00
9179.25	7 x 4 1/2 Peak Hydro-Pak Anchor #1	4.30	4.00
9174.95	4 1/2 x 6" 11.6#, P-110, LTC Liner Sub	6.00	4.00
9168.95	1 Joint 4 1/2, 11.6#, P-110 LTC Liner	43.02	4.00
9125.93	7 x 4 1/2 Peak Selective Sand Frac Sleeve with 3 1/2" ID Seat (3 3/4" Ball Actuated) #7	2.90	3.56
9123.03	17 Joints 4 1/2, 11.6#, P-110 BTC Liner	754.05	4.00
8368.98	4 1/2 BTC, 11.6#, P-110 double pin	1.10	4.00
8367.88	7 x 4 Peak Extreme Service Retrieval Seal Bore Packer	5.48	4.00
8362.40	7 x 3 1/2 Peak Extreme Service Hydraulic Dual Stack Setting Tool with Dual Seal Assy	5.05	3.50
8357.35	3 1/2 8rd Pin x 3 1/2 IF Box, cross-over	1.30	2.74
8356.05	3 1/2 Drill Pipe Sub with 3 1/2 IF Threads	7.65	
8348.40	87 Stands & Double (263 Joints) 3 1/2 Drill Pipe with 3 1/2 IF Threads	8366.27	
-17.87	Stick Up	0.00	
		0.00	
WEIGHT OF TUBING STRING		75,000	TOTAL STRING LENGTH
PUSH / PULL TEST		30,000	STICK UP OFF RIG FLOOR
LINER STRING WEIGHT		155,000	TUBING BOTTOM
			13017.87
			17.87
			13000.00

TOTAL MEASURED DEPTH @
FT

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