

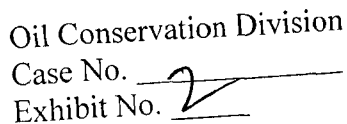
PAUL BACA PROFESSIONAL COURT REPORTERS

**OIL
CONSERVATION
DIVISION**

CASE #: 14195

EXHIBIT

2



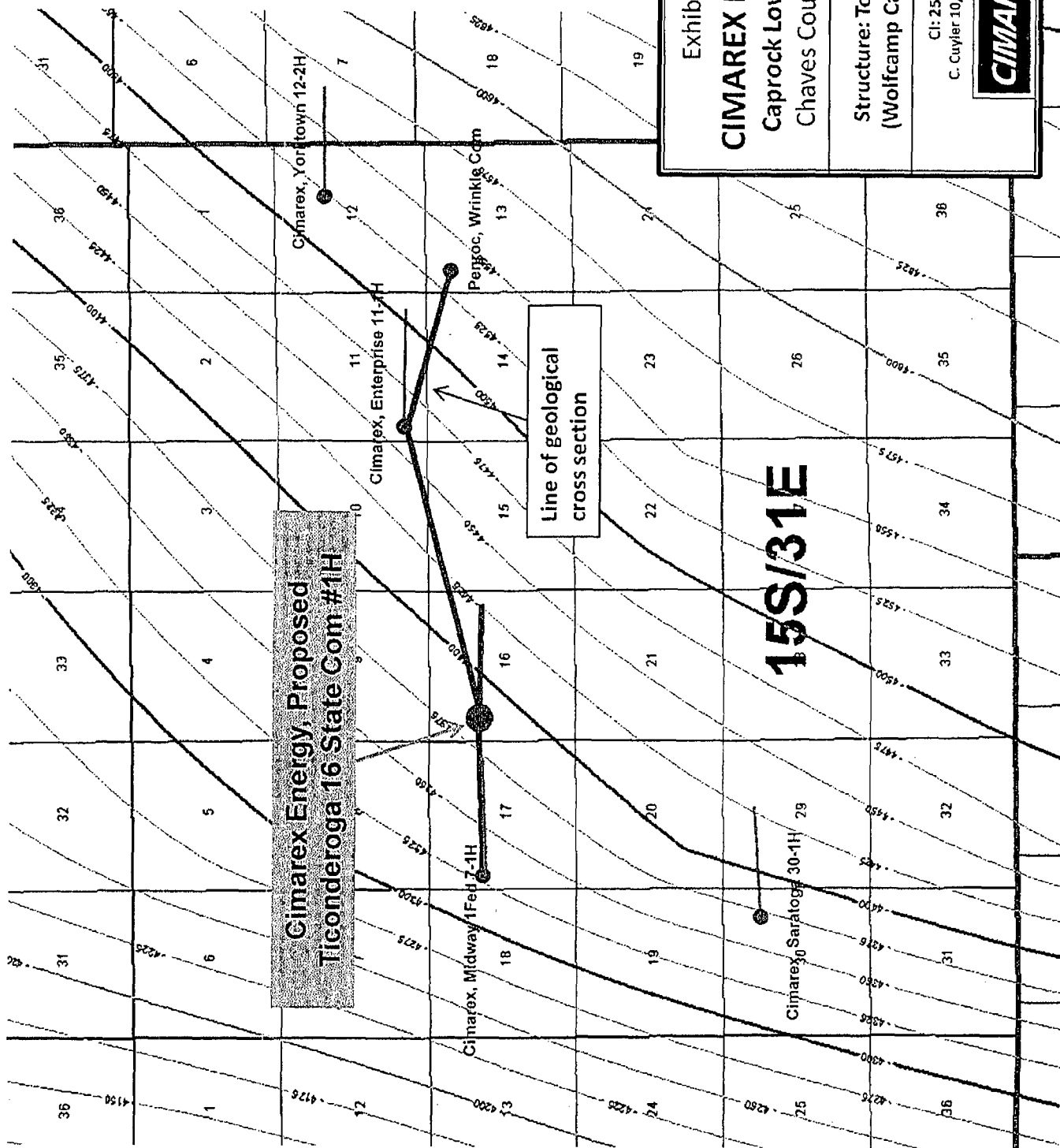


Exhibit A

CIMAREX ENERGY
Caprock Lower Abo,
Chaves County, NM

Structure: Top Hueco
(Wolfcamp Carbonate)

Cl: 25'
C. Cuyler 10/14/08



EXHIBIT

A

W

E

30005290340000
CIMAREX ENERGY OF CO
MIDWAY 17 FEDERAL
0.1

3000529000
CIMAREX ENERGY
TICONDEROGA 16 STATE COM #1H

30005280020000
CIMAREX ENERGY OF CO
ENTERPRISE 11 STATE COM #1H

30005210280000
CHEVRON USA INC
WRINKLE 1 COM

62,703
2,391

Log
Depth (ft)
8200 -
8255 -
8310 -
8365 -
8420 -
8475 -
8530 -
8585 -
8640 -
8695 -
8750 -
8805 -
8860 -
8915 -
8970 -
9025 -
9080 -
9135 -
9190 -
9245 -
9300 -

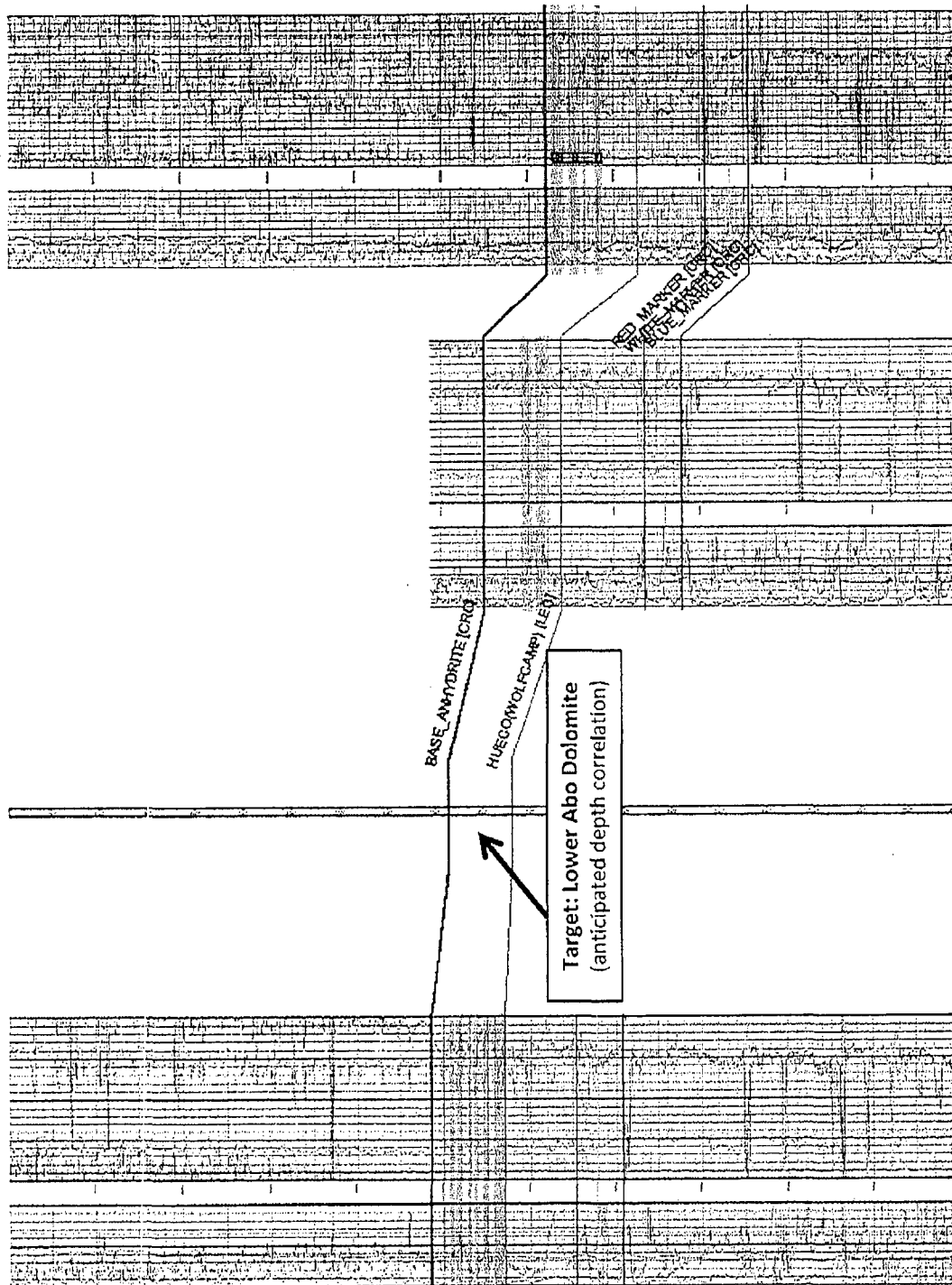
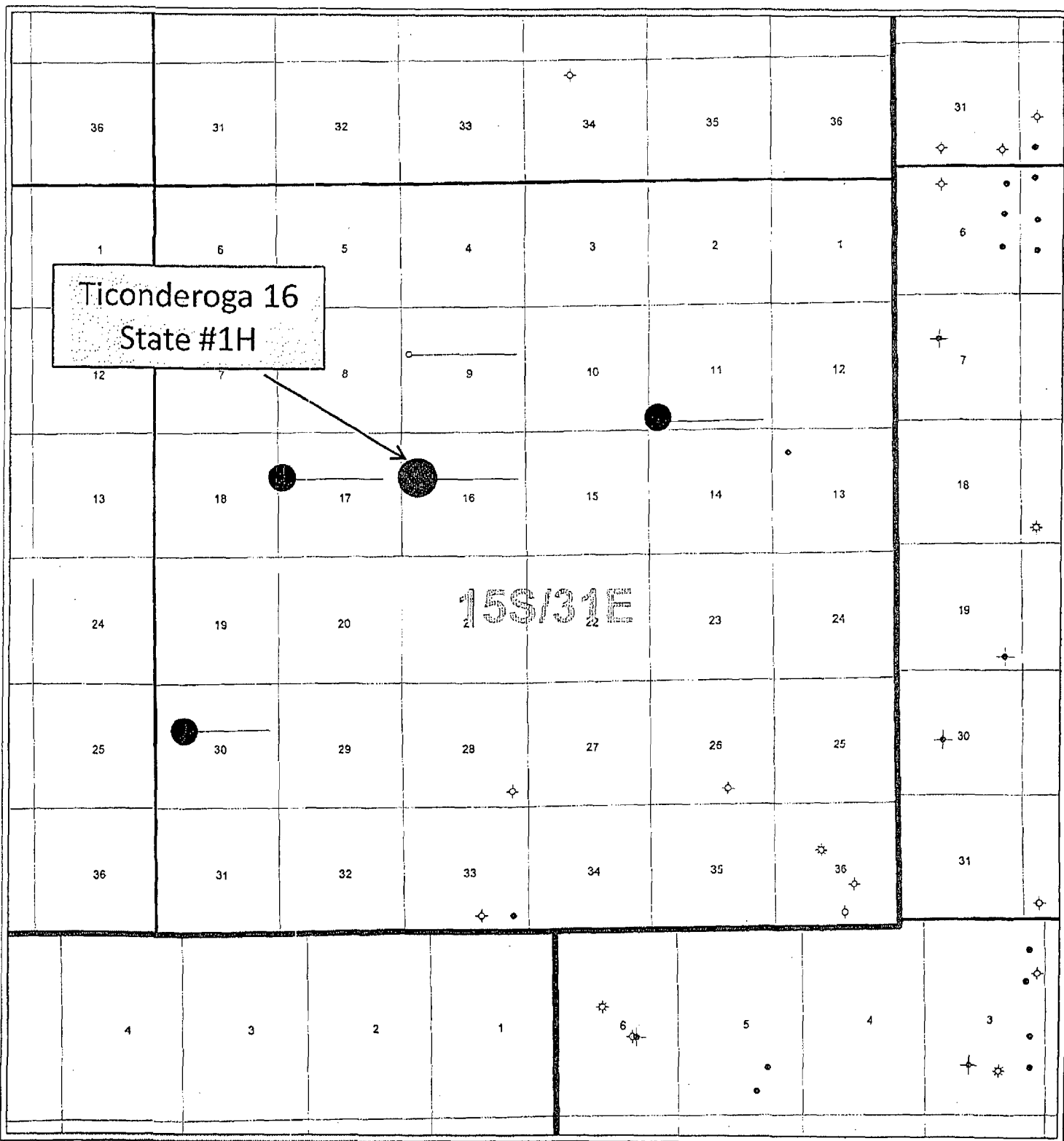


Exhibit B

EXHIBIT

B



PETRA 10/13/2008 1:40:33 PM

EXHIBIT C

Exhibit C



Planned Wellpath Report

Preliminary

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co. of Colorado	Slot	No. 1H SHL
Area	Chaves County, NM	Well	No. 1H
Field	(Ticonderoga) Sec 16, T15S, R31E	Wellbore	No. 1H PWB
Facility	Ticonderoga 16 St Com No. 1H		

REPORT SETUP INFORMATION			
Projection System	NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999936	Report Generated	6/30/2008 at 3:14:40 PM
Convergence at slot	0.27° East	Database/Source file	WA_Midland/No._1H_PWB.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	694286.00	734335.70	33°01'03.686"N	103°50'03.641"W
Facility Reference Pt			694286.00	734335.70	33°01'03.686"N	103°50'03.641"W
Field Reference Pt			694286.00	734335.70	33°01'03.686"N	103°50'03.641"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 1H SHL (RT) to Facility Vertical Datum	18.00ft
Horizontal Reference Pt	Facility Center	Rig on No. 1H SHL (RT) to Mean Sea Level	4430.00ft
Vertical Reference Pt	Rig on No. 1H SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 1H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	89.73°

EXHIBIT 12



Planned Wellpath Report

Preliminary

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co. of Colorado	Slot	No. 1H SHL
Area	Chaves County, NM	Well	No. 1H
Field	(Ticonderoga) Sec 16, T15S, R31E	Wellbore	No. 1H PWB
Facility	Ticonderoga 16 St Com No. 1H		

WELLPATH DATA (51 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00	0.000	89.733	0.00	0.00	0.00	0.00	0.00	Tie On
8395.00	0.000	89.733	8395.00	0.00	0.00	0.00	0.00	KOP
8495.00†	30.000	89.733	8490.49	25.59	0.12	25.59	30.00	
8595.00†	60.000	89.733	8560.40	95.49	0.45	95.49	30.00	
8693.75	89.625	89.733	8585.98	189.74	0.89	189.73	30.00	EOC
8695.00†	89.625	89.733	8585.99	190.99	0.89	190.98	0.00	
8795.00†	89.625	89.733	8586.64	290.98	1.36	290.98	0.00	
8895.00†	89.625	89.733	8587.30	390.98	1.82	390.98	0.00	
8995.00†	89.625	89.733	8587.95	490.98	2.29	490.97	0.00	
9095.00†	89.625	89.733	8588.61	590.98	2.76	590.97	0.00	
9195.00†	89.625	89.733	8589.26	690.98	3.22	690.97	0.00	
9295.00†	89.625	89.733	8589.92	790.97	3.69	790.96	0.00	
9395.00†	89.625	89.733	8590.57	890.97	4.16	890.96	0.00	
9495.00†	89.625	89.733	8591.23	990.97	4.62	990.96	0.00	
9595.00†	89.625	89.733	8591.88	1090.97	5.09	1090.95	0.00	
9695.00†	89.625	89.733	8592.54	1190.96	5.56	1190.95	0.00	
9795.00†	89.625	89.733	8593.19	1290.96	6.02	1290.95	0.00	
9895.00†	89.625	89.733	8593.84	1390.96	6.49	1390.95	0.00	
9995.00†	89.625	89.733	8594.50	1490.96	6.96	1490.94	0.00	
10095.00†	89.625	89.733	8595.15	1590.96	7.42	1590.94	0.00	
10195.00†	89.625	89.733	8595.81	1690.95	7.89	1690.94	0.00	
10295.00†	89.625	89.733	8596.46	1790.95	8.36	1790.93	0.00	
10395.00†	89.625	89.733	8597.12	1890.95	8.82	1890.93	0.00	
10495.00†	89.625	89.733	8597.77	1990.95	9.29	1990.93	0.00	
10595.00†	89.625	89.733	8598.43	2090.95	9.76	2090.92	0.00	
10695.00†	89.625	89.733	8599.08	2190.94	10.22	2190.92	0.00	
10795.00†	89.625	89.733	8599.74	2290.94	10.69	2290.92	0.00	
10895.00†	89.625	89.733	8600.39	2390.94	11.16	2390.91	0.00	
10995.00†	89.625	89.733	8601.04	2490.94	11.62	2490.91	0.00	
11095.00†	89.625	89.733	8601.70	2590.93	12.09	2590.91	0.00	



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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co. of Colorado	Slot	No. 1H SHL
Area	Chaves County, NM	Well	No. 1H
Field	(Ticonderoga) Sec 16, T15S, R31E	Wellbore	No. 1H PWB
Facility	Ticonderoga 16 St Com No. 1H		

WELLPATH DATA (51 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
11195.00†	89.625	89.733	8602.35	2690.93	12.56	2690.90	0.00	
11295.00†	89.625	89.733	8603.01	2790.93	13.02	2790.90	0.00	
11395.00†	89.625	89.733	8603.66	2890.93	13.49	2890.90	0.00	
11495.00†	89.625	89.733	8604.32	2990.93	13.96	2990.89	0.00	
11595.00†	89.625	89.733	8604.97	3090.92	14.43	3090.89	0.00	
11695.00†	89.625	89.733	8605.63	3190.92	14.89	3190.89	0.00	
11795.00†	89.625	89.733	8606.28	3290.92	15.36	3290.88	0.00	
11895.00†	89.625	89.733	8606.94	3390.92	15.83	3390.88	0.00	
11995.00†	89.625	89.733	8607.59	3490.92	16.29	3490.88	0.00	
12095.00†	89.625	89.733	8608.25	3590.91	16.76	3590.87	0.00	
12195.00†	89.625	89.733	8608.90	3690.91	17.23	3690.87	0.00	
12295.00†	89.625	89.733	8609.55	3790.91	17.69	3790.87	0.00	
12395.00†	89.625	89.733	8610.21	3890.91	18.16	3890.86	0.00	
12495.00†	89.625	89.733	8610.86	3990.90	18.63	3990.86	0.00	
12595.00†	89.625	89.733	8611.52	4090.90	19.09	4090.86	0.00	
12695.00†	89.625	89.733	8612.17	4190.90	19.56	4190.85	0.00	
12795.00†	89.625	89.733	8612.83	4290.90	20.03	4290.85	0.00	
12895.00†	89.625	89.733	8613.48	4390.90	20.49	4390.85	0.00	
12995.00†	89.625	89.733	8614.14	4490.89	20.96	4490.84	0.00	
13095.00†	89.625	89.733	8614.79	4590.89	21.43	4590.84	0.00	
13126.97	89.625	89.733	8615.00 ¹	4622.87	21.57	4622.82	0.00	No. 1H BHL



Planned Wellpath Report

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co. of Colorado	Slot	No. 1H SHL
Area	Chaves County, NM	Well	No. 1H
Field	(Ticonderoga) Sec 16, T15S, R31E	Wellbore	No. 1H PWB
Facility	Ticonderoga 16 St Com No. 1H		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 1H BHL	13126.97	8615.00	21.57	4622.82	698908.51	734357.27	33°01'03.679"N	103°49'09.350"W	point

SURVEY PROGRAM Ref Wellbore: No. 1H PWB Ref Wellpath: Preliminary

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	13126.97	NaviTrak (Standard)		No. 1H PWB



Cimarex Energy Co. of Colorado

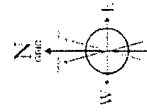
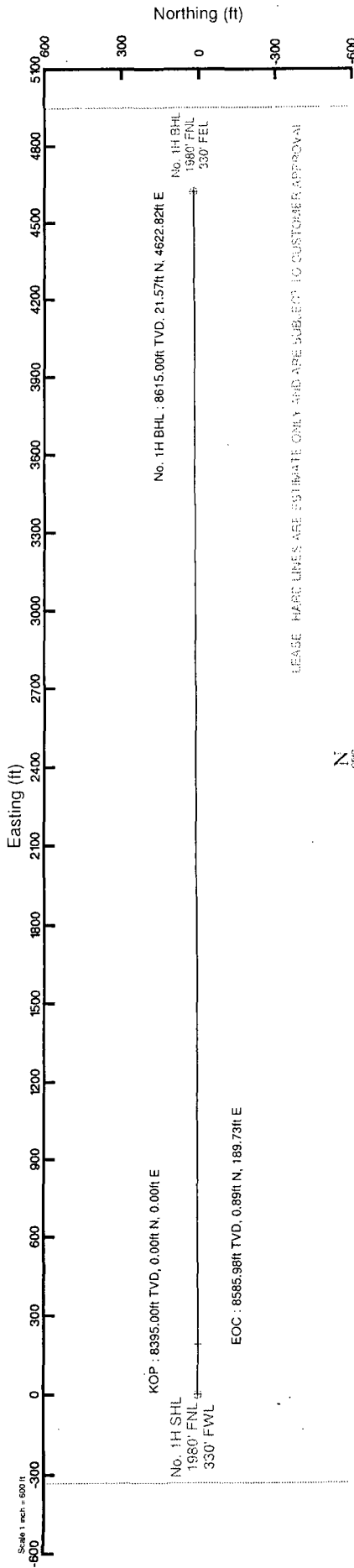
Location: Chaves County, NM
Field: (Ticonderoga) Sec 16, T15S, R31E
Facility: Ticonderoga 16 St.Com No. 1H

Slot: No. 1H SHL
Well: No. 1H
Wellbore: No. 1H.PWB



Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (%100ft)	VS (ft)
Tie On	0.00	0.000	89.733	0.00	0.00	0.00	0.00	0.00
KOP	8395.00	0.000	89.733	8395.00	0.00	0.00	0.00	0.00
EOC	8693.75	89.625	89.733	8585.98	0.89	189.73	30.00	189.74
No. 1H BHL	13126.97	89.625	89.733	8615.00	21.57	4622.82	0.00	4622.87



BGGM (1945.0 to 2009.0) Dip: 60.96° Field: 48979.3 nT
Magnetic North is 8.17 degrees East of True North (at 8/30/2008)
To correct azimuth from True to Grid subtract 0.27 degrees
To correct azimuth from Magnetic to Grid subtract 8.44 degrees
For example if the Magnetic Azimuth = 30.00, then the Grid North Azimuth = 90.00 - 8.44 = 81.56

Well Name	No. 1H SHL
Wellbore	No. 1H.PWB
Field	Ticonderoga 16 St.Com
Location	Chaves County, NM
Operator	Cimarex Energy Co.
Geologist	
Engineer	
Surveyor	
Log	
Plot	
Print	

