

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF CIMAREX ENERGY CO.
FOR A NON-STANDARD OIL SPACING AND
PRORATION UNIT AND FOR COMPULSORY
POOLING, LEA COUNTY, NEW MEXICO.

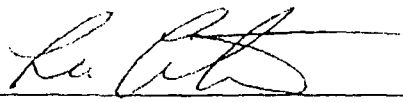
Case No. 14467

AFFIDAVIT OF LEE CATALANO

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Lee Catalano, being duly sworn upon his oath, deposes and states:

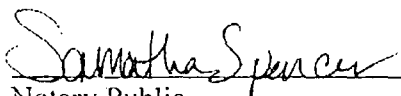
1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Cimarex Energy Co. ("Cimarex").
3. Exhibit A is a structure map on top of the Bone Spring formation. The formation dips to the south. Exhibit A also contains production data from existing, vertical Bone Spring wells.
4. Exhibit B is a cross section which shows the productive interval and stratigraphic target for horizontal Bone Spring wells in the area.
5. Attached as Exhibit C is the horizontal drilling plan for the proposed well. A horizontal wellbore will test a greater reservoir length, increasing the chances for an economic completion.
6. All four quarter-quarter sections in the well unit are prospective in the Bone Spring, and Cimarex anticipates producing reserves from each quarter-quarter section.



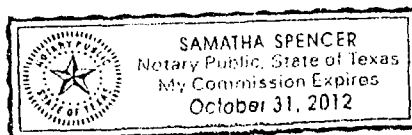
Lee Catalano

SUBSCRIBED AND SWORN TO before me this 10th day of May, 2010 by Lee Catalano.

My Commission Expires: October 12, 2010



Notary Public



Oil Conservation Division
Case No. _____
Exhibit No. 2

ELEV_KB: 3,698
38622

ELEV_KB: 3,730
23319

三

SAMSON RESOURCES COMPANY
COMP DATE : 6/16/2008
EAGLE 2 STATE

HONDO OIL & GAS COMPANY
COMP_DATE : 2/5/1970
MESCALERO RIDGE UNIT

4
T20S R34E S2
660 FNL 660 FWL
BONESPRINGS_O : 23,881 BBL
BONESPRINGS_W : 40,029 BBL

T19SR34E S35
2310FSL 1800 FEL
BONESPRINGS, O. 380.664 BEL
BONESPRINGS, W. 11.050 BEL

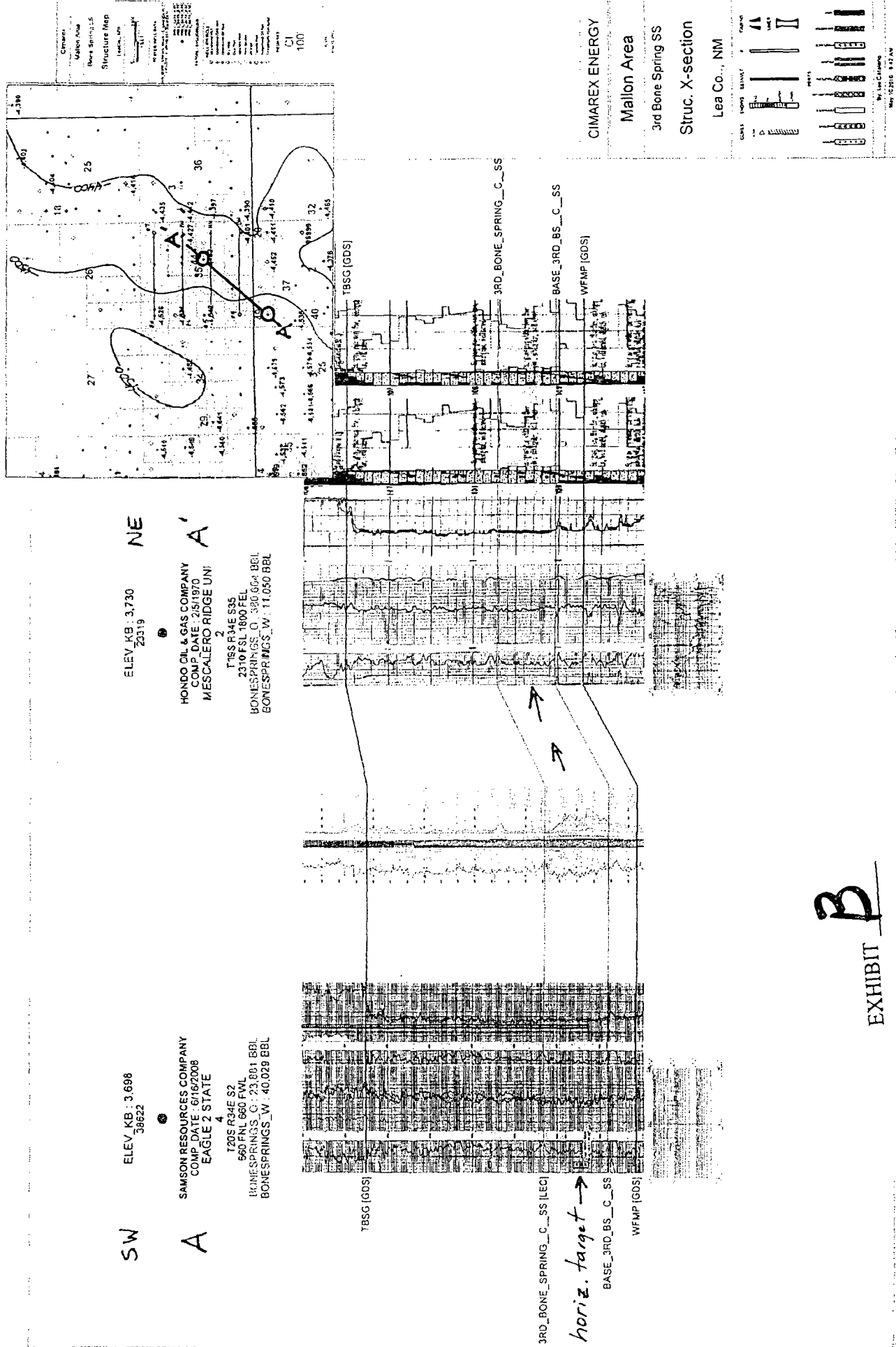


EXHIBIT
B

Cimarex Energy Co.

Location: Lea County, NM
 Field: (Mallon) Sec 35, T19S, R34E
 Facility: Mallon 35 Fed No. 5H

Slot: No. 5H SHL
 Well: No. 5H
 Wellbore: No. 5H PWB

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (ft/100ft)	VS (ft)
Tie On	0.00	0.000	89.457	0.00	0.00	0.00	0.00	0.00
EST. KOP	10799.00	0.000	89.457	10799.00	0.00	0.00	0.00	0.00
END OF CURVE	11099.02	90.000	89.457	10990.00	1.81	190.99	30.00	191.00
No. 5H PBHL	15348.78	90.000	89.457	10990.00	42.10	4440.56	0.00	4440.76

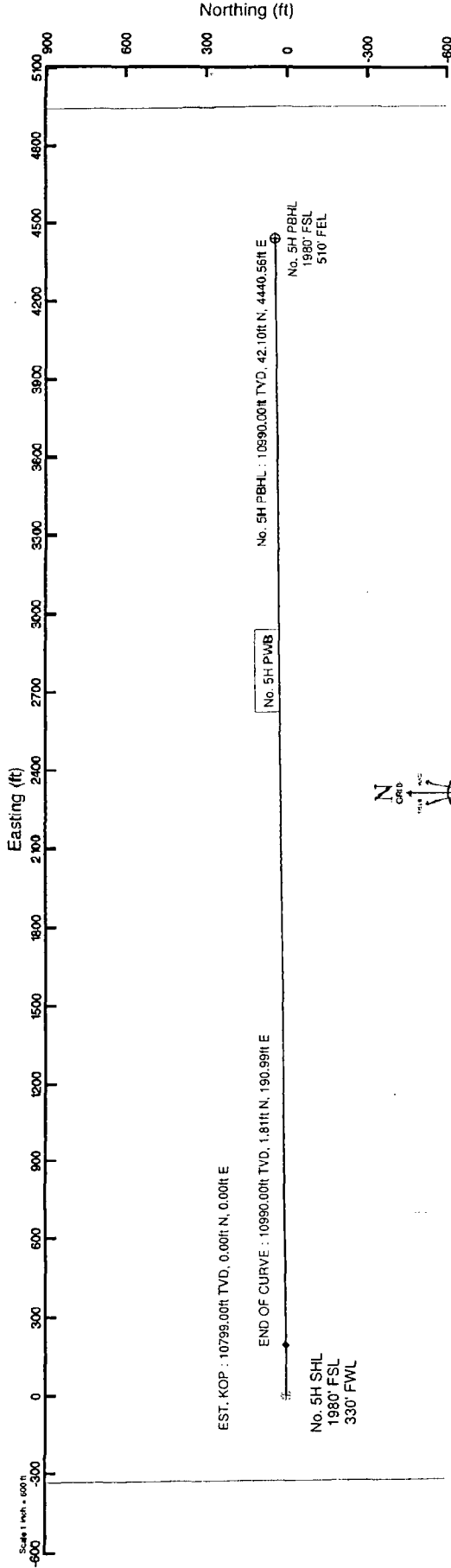


EXHIBIT C

BGGM (1945.0 to 2011.0) Dip: 60.51° Field: 49085.1 mT
 Magnetic North is 7.45 degrees East of True North (at 10/7/2009)
 To correct azimuth from True to Grid subtract 9.43 degrees
 To correct azimuth from Magnetic to Grid add 7.45 degrees
 For example, if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 - 7.42 = 82.58

Plot reference azimuth is True, 1	Grid System: NAD83 / TM New Mexico State Plane, Eastern Zone (2011), US Feet
True vertical depths are referenced to Rig on No. 5H SHL (RT)	Mean Reference Grid north
Measured depths are referenced to Rig on No. 5H SHL (RT)	Scale: True distance
Rig on No. 5H SHL (RT) to Mean Sea Level: 3096 feet	Depths are in feet
Mean Sea Level to Mudline (Facility Mallon 35 Fed No. 5H): 3096 feet	Coordinates are in feet referenced to Facility Center
Coordinates are in feet referenced to Facility Center	Created by: Victor Hernandez on 10/7/2009

EST. KOP : 0.00° Inc, 10799.00ft MD, 10799.00ft TVD, 0.00ft VS

END OF CURVE : 90.00° Inc, 11099.02ft MD, 10990.00ft TVD, 191.00ft VS

No. 5H PBHL : 90.00° Inc, 15348.78ft MD, 10990.00ft TVD, 4440.76ft VS

Vertical Section (ft)

Azimuth 89.45° with reference 0.00 N, 0.00 E

Scale 1 inch = 600 ft



Planned Wellpath Report

Prelim_1
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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No. 5H SHL
Area	Lea County, NM	Well	No. 5H
Field	(Mallon) Sec 35, T19S, R34E	Wellbore	No. 5H PWB
Facility	Mallon 35 Fed No. 5H		

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	0.999978	Report Generated	10/7/2009 at 3:16:48 PM
Convergence at slot	0.43° East	Database/Source file	WA_Midland/No. 5H_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	786104.70	588361.20	32°36'53.784"N	103°32'18.206"W
Facility Reference Pt			786104.70	588361.20	32°36'53.784"N	103°32'18.206"W
Field Reference Pt			786447.20	587045.00	32°36'40.736"N	103°32'14.318"W

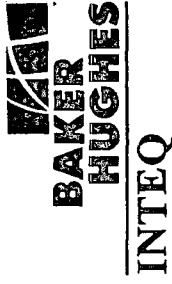
WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 5H SHL (RT) to Facility Vertical Datum	0.00ft
Horizontal Reference Pt	Facility Center	Rig on No. 5H SHL (RT) to Mean Sea Level	3696.00ft
Vertical Reference Pt	Rig on No. 5H SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 5H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	89.46°



Planned Wellpath Report

Prelim_1
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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No. 5H SHL
Area	Lea County, NM	Well	No. 5H
Field	(Mallon) Sec 35, T19S, R34E	Wellbore	No. 5H PWB
Facility	Mallon 35 Fed No. 5H		

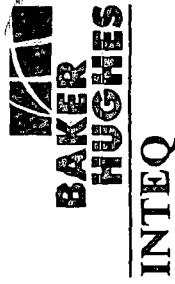
WELLPATH DATA (49 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [serv ft]	Grid North [serv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	89.457	0.00	0.00	0.00	0.00	786104.70	588361.20	32°36'53.784"N	103°32'18.206"W	0.00	Tie On
10799.00	0.000	89.457	10799.00	0.00	0.00	0.00	786104.70	588361.20	32°36'53.784"N	103°32'18.206"W	0.00	EST. KOP
10899.00†	29.998	89.457	10894.49	25.59	0.24	25.58	786130.28	588361.44	32°36'53.785"N	103°32'17.907"W	30.00	
10999.00†	59.996	89.457	10964.40	95.49	0.91	95.48	786200.18	588362.11	32°36'53.786"N	103°32'17.090"W	30.00	
11099.00†	89.993	89.457	10990.00	190.98	1.81	190.97	786295.66	588363.01	32°36'53.788"N	103°32'15.974"W	30.00	
11099.02	90.000	89.457	10990.00	191.00	1.81	190.99	786295.69	588363.01	32°36'53.788"N	103°32'15.974"W	30.00	END OF CURVE
11199.00†	90.000	89.457	10990.00	290.98	2.76	290.96	786395.66	588363.96	32°36'53.790"N	103°32'14.805"W	0.00	
11299.00†	90.000	89.457	10990.00	390.98	3.71	390.96	786495.65	588364.91	32°36'53.792"N	103°32'13.636"W	0.00	
11399.00†	90.000	89.457	10990.00	490.98	4.65	490.96	786595.64	588365.85	32°36'53.794"N	103°32'12.466"W	0.00	
11499.00†	90.000	89.457	10990.00	590.98	5.60	590.95	786695.64	588366.80	32°36'53.796"N	103°32'11.297"W	0.00	
11599.00†	90.000	89.457	10990.00	690.98	6.55	690.95	786795.63	588367.75	32°36'53.798"N	103°32'10.128"W	0.00	
11699.00†	90.000	89.457	10990.00	790.98	7.50	790.94	786895.62	588368.70	32°36'53.800"N	103°32'08.959"W	0.00	
11799.00†	90.000	89.457	10990.00	890.98	8.45	890.94	786995.62	588369.65	32°36'53.802"N	103°32'07.790"W	0.00	
11899.00†	90.000	89.457	10990.00	990.98	9.40	990.93	787095.61	588370.60	32°36'53.803"N	103°32'06.621"W	0.00	
11999.00†	90.000	89.457	10990.00	1090.98	10.34	1090.93	787195.60	588371.54	32°36'53.805"N	103°32'05.452"W	0.00	
12099.00†	90.000	89.457	10990.00	1190.98	11.29	1190.92	787295.60	588372.49	32°36'53.807"N	103°32'04.283"W	0.00	
12199.00†	90.000	89.457	10990.00	1290.98	12.24	1290.92	787395.59	588373.44	32°36'53.809"N	103°32'03.114"W	0.00	
12299.00†	90.000	89.457	10990.00	1390.98	13.19	1390.92	787495.58	588374.39	32°36'53.811"N	103°32'01.945"W	0.00	
12399.00†	90.000	89.457	10990.00	1490.98	14.14	1490.91	787595.57	588375.34	32°36'53.813"N	103°32'00.776"W	0.00	
12499.00†	90.000	89.457	10990.00	1590.98	15.08	1590.91	787695.57	588376.28	32°36'53.815"N	103°31'59.606"W	0.00	
12599.00†	90.000	89.457	10990.00	1690.98	16.03	1690.90	787795.56	588377.23	32°36'53.817"N	103°31'58.437"W	0.00	
12699.00†	90.000	89.457	10990.00	1790.98	16.98	1790.90	787895.55	588378.18	32°36'53.819"N	103°31'57.268"W	0.00	
12799.00†	90.000	89.457	10990.00	1890.98	17.93	1890.89	787995.55	588379.13	32°36'53.821"N	103°31'56.099"W	0.00	
12899.00†	90.000	89.457	10990.00	1990.98	18.88	1990.89	788095.54	588380.08	32°36'53.823"N	103°31'54.930"W	0.00	
12999.00†	90.000	89.457	10990.00	2090.98	19.82	2090.88	788195.53	588381.02	32°36'53.825"N	103°31'53.761"W	0.00	
13099.00†	90.000	89.457	10990.00	2190.98	20.77	2190.88	788295.53	588381.97	32°36'53.827"N	103°31'52.592"W	0.00	
13199.00†	90.000	89.457	10990.00	2290.98	21.72	2290.87	788395.52	588382.92	32°36'53.829"N	103°31'51.423"W	0.00	
13299.00†	90.000	89.457	10990.00	2390.98	22.67	2390.87	788495.51	588383.87	32°36'53.831"N	103°31'50.254"W	0.00	
13399.00†	90.000	89.457	10990.00	2490.98	23.62	2490.87	788595.51	588384.82	32°36'53.832"N	103°31'49.085"W	0.00	
13499.00†	90.000	89.457	10990.00	2590.98	24.56	2590.86	788695.50	588385.76	32°36'53.834"N	103°31'47.916"W	0.00	



Planned Wellpath Report

Prelim_1
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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No. 5H SHL
Area	Lea County, NM	Well	No. 5H
Field	(Mallon) Sec 35, T19S, R34E	Wellbore	No. 5H PWB
Facility	Mallon 35 Fed No. 5H		

WELLPATH DATA (49 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [serv ft]	Grid North [serv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13599.00†	90.000	89.457	10990.00	2690.98	25.51	2690.86	788795.49	588386.71	32°36'53.836"N	103°31'46.746"W	0.00	
13699.00†	90.000	89.457	10990.00	2790.98	26.46	2790.85	788895.48	588387.66	32°36'53.838"N	103°31'45.577"W	0.00	
13799.00†	90.000	89.457	10990.00	2890.98	27.41	2890.85	788995.48	588388.61	32°36'53.840"N	103°31'44.408"W	0.00	
13899.00†	90.000	89.457	10990.00	2990.98	28.36	2990.84	789095.47	588389.56	32°36'53.842"N	103°31'43.239"W	0.00	
13999.00†	90.000	89.457	10990.00	3090.98	29.31	3090.84	789195.46	588390.50	32°36'53.844"N	103°31'42.070"W	0.00	
14099.00†	90.000	89.457	10990.00	3190.98	30.25	3190.83	789295.46	588391.45	32°36'53.846"N	103°31'40.901"W	0.00	
14199.00†	90.000	89.457	10990.00	3290.98	31.20	3290.83	789395.45	588392.40	32°36'53.848"N	103°31'39.732"W	0.00	
14299.00†	90.000	89.457	10990.00	3390.98	32.15	3390.83	789495.44	588393.35	32°36'53.849"N	103°31'38.563"W	0.00	
14399.00†	90.000	89.457	10990.00	3490.98	33.10	3490.82	789595.44	588394.30	32°36'53.851"N	103°31'37.394"W	0.00	
14499.00†	90.000	89.457	10990.00	3590.98	34.05	3590.82	789695.43	588395.24	32°36'53.853"N	103°31'36.225"W	0.00	
14599.00†	90.000	89.457	10990.00	3690.98	34.99	3690.81	789795.42	588396.19	32°36'53.855"N	103°31'35.055"W	0.00	
14699.00†	90.000	89.457	10990.00	3790.98	35.94	3790.81	789895.42	588397.14	32°36'53.857"N	103°31'33.886"W	0.00	
14799.00†	90.000	89.457	10990.00	3890.98	36.89	3890.80	789995.41	588398.09	32°36'53.859"N	103°31'32.717"W	0.00	
14899.00†	90.000	89.457	10990.00	3990.98	37.84	3990.80	790095.40	588399.04	32°36'53.861"N	103°31'31.548"W	0.00	
14999.00†	90.000	89.457	10990.00	4090.98	38.79	4090.79	790195.39	588399.98	32°36'53.863"N	103°31'30.379"W	0.00	
15099.00†	90.000	89.457	10990.00	4190.98	39.73	4190.79	790295.39	588400.93	32°36'53.864"N	103°31'29.210"W	0.00	
15199.00†	90.000	89.457	10990.00	4290.98	40.68	4290.79	790395.38	588401.88	32°36'53.866"N	103°31'28.041"W	0.00	
15299.00†	90.000	89.457	10990.00	4390.98	41.63	4390.78	790495.37	588402.83	32°36'53.868"N	103°31'26.872"W	0.00	
15348.78	90.000	89.457	10990.00†	4440.76	42.10	4440.56	790545.15	588403.40	32°36'53.869"N	103°31'26.290"W	0.00	No. 5H PBHL



Planned Wellpath Report

Prelim_1
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REFERENCE WELL PATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No. 5H SHL
Area	Lea County, NM	Well	No. 5H
Field	(Mallon) Sec 35, T19S, R34E	Wellbore	No. 5H PWB
Facility	Mallon 35 Fed No. 5H		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Sha point
1) No. 5H PBHL	15348.78	10990.00	42.10	4440.56	790545.15	588403.30	32°36'53.869"N	103°31'26.290"W	

SURVEY PROGRAM Ref Wellbore: No. 5H PWB Ref Wellpath: Prelim_1

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	15348.78	NaviTrak (Standard)		No. 5H PWB

PROPOSED WELLPATH REPORT (CSV version)

Prepared by Baker Hughes INTEQ

Software System: WellArchitect®2.0

REFERENCE WELLPATH IDENTIFICATION

Operator Cimarex Energy Co.

Area Lea County, NM

Field (Mallon) Sec 35, T19S, R34E

Facility Mallon 35 Fed No. 5H

Slot No. 5H SHL

Well No. 5H

Wellbore No. 5H PWB

Wellpath Prelim_1

Sidetrack (none)

REPORT SETUP INFORMATION

Projection : NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet

North Refe Grid

Scale 0.999978

Convergen 0.43° East

Software S WellArchitect®

User Victor Hernandez

Report Gen 10/7/2009 at 3:16:49 PM

DataBase \\WA_Midland\ev113115.xml

WELLPATI	Local North [ft]	Local East [ft]	Grid East [ft]	Grid North [ft]	Latitude	Longitude
Slot Locati	0	0	786104.7	588361.2	32°36'53.7	103°32'18.206"W
Facility Ref			786104.7	588361.2	32°36'53.7	103°32'18.206"W
Field Refer			786447.2	587045	32°36'40.7	103°32'14.318"W

WELLPATH DATUM

Calculation Minimum curvature

Horizontal | Facility Center

Vertical Re Rig on No. 5H SHL (RT)

MD Refere Rig on No. 5H SHL (RT)

Field Vertic Mean Sea Level

Rig on No. 0.00ft

Rig on No. 3696.00ft

Facility Ver 0.00ft

Section Ori 0.00ft

Section Ori 0.00ft

Section Azi 89.46°

WELLPATH DATA	Wellbore: No. 5H PWB	Wellpath: Prelim_1	† = interpolated/extrapolate				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]
0	0	89.457	0	0	0	0	786104.7
10799	0	89.457	10799	0	0	0	786104.7
† 10899	29.998	89.457	10894.49	25.59	0.24	25.58	786130.3
† 10999	59.996	89.457	10964.4	95.49	0.91	95.48	786200.2

†	11099	89.993	89.457	10990	190.98	1.81	190.97	786295.7
	11099.02	90	89.457	10990	191	1.81	190.99	786295.7
†	11199	90	89.457	10990	290.98	2.76	290.96	786395.7
†	11299	90	89.457	10990	390.98	3.71	390.96	786495.7
†	11399	90	89.457	10990	490.98	4.65	490.96	786595.6
†	11499	90	89.457	10990	590.98	5.6	590.95	786695.6
†	11599	90	89.457	10990	690.98	6.55	690.95	786795.6
†	11699	90	89.457	10990	790.98	7.5	790.94	786895.6
†	11799	90	89.457	10990	890.98	8.45	890.94	786995.6
†	11899	90	89.457	10990	990.98	9.4	990.93	787095.6
†	11999	90	89.457	10990	1090.98	10.34	1090.93	787195.6
†	12099	90	89.457	10990	1190.98	11.29	1190.92	787295.6
†	12199	90	89.457	10990	1290.98	12.24	1290.92	787395.6
†	12299	90	89.457	10990	1390.98	13.19	1390.92	787495.6
†	12399	90	89.457	10990	1490.98	14.14	1490.91	787595.6
†	12499	90	89.457	10990	1590.98	15.08	1590.91	787695.6
†	12599	90	89.457	10990	1690.98	16.03	1690.9	787795.6
†	12699	90	89.457	10990	1790.98	16.98	1790.9	787895.6
†	12799	90	89.457	10990	1890.98	17.93	1890.89	787995.6
†	12899	90	89.457	10990	1990.98	18.88	1990.89	788095.5
†	12999	90	89.457	10990	2090.98	19.82	2090.88	788195.5
†	13099	90	89.457	10990	2190.98	20.77	2190.88	788295.5
†	13199	90	89.457	10990	2290.98	21.72	2290.87	788395.5
†	13299	90	89.457	10990	2390.98	22.67	2390.87	788495.5
†	13399	90	89.457	10990	2490.98	23.62	2490.87	788595.5
†	13499	90	89.457	10990	2590.98	24.56	2590.86	788695.5
†	13599	90	89.457	10990	2690.98	25.51	2690.86	788795.5
†	13699	90	89.457	10990	2790.98	26.46	2790.85	788895.5
†	13799	90	89.457	10990	2890.98	27.41	2890.85	788995.5
†	13899	90	89.457	10990	2990.98	28.36	2990.84	789095.5
†	13999	90	89.457	10990	3090.98	29.31	3090.84	789195.5
†	14099	90	89.457	10990	3190.98	30.25	3190.83	789295.5
†	14199	90	89.457	10990	3290.98	31.2	3290.83	789395.5
†	14299	90	89.457	10990	3390.98	32.15	3390.83	789495.4
†	14399	90	89.457	10990	3490.98	33.1	3490.82	789595.4
†	14499	90	89.457	10990	3590.98	34.05	3590.82	789695.4
†	14599	90	89.457	10990	3690.98	34.99	3690.81	789795.4
†	14699	90	89.457	10990	3790.98	35.94	3790.81	789895.4
†	14799	90	89.457	10990	3890.98	36.89	3890.8	789995.4
†	14899	90	89.457	10990	3990.98	37.84	3990.8	790095.4
†	14999	90	89.457	10990	4090.98	38.79	4090.79	790195.4
†	15099	90	89.457	10990	4190.98	39.73	4190.79	790295.4
†	15199	90	89.457	10990	4290.98	40.68	4290.79	790395.4
†	15299	90	89.457	10990	4390.98	41.63	4390.78	790495.4
	15348.78	90	89.457	10990	4440.76	42.1	4440.56	790545.2

T A R G E T S

Name	MD	TVD	North	East	Grid East	Grid North	Latitude	Longitude
	[ft]	[ft]	[ft]	[ft]	[srv ft]	[srv ft]		
(1) No. 5H	15348.78	10990	42.1	4440.56	790545.2	588403.3	32°36'53.8	103°31'26.:

SURVEY PROGRAM Ref Wellbore: No. 5H PWB Ref Wellpath: Prelim_1

Start MD	End MD	Pos Unc	M Log Name/ Wellbore
[ft]	[ft]		
0	15348.78	NaviTrak (Standard)	No. 5H PWB

d station

Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
588361.2	32°36'53.7	103°32'18.2	0	Tie On
588361.2	32°36'53.7	103°32'18.2	0	EST. KOP
588361.4	32°36'53.7	103°32'17.9	30	
588362.1	32°36'53.7	103°32'17.1	30	

588363	32°36'53.7	103°32'15.0	30	
588363	32°36'53.7	103°32'15.0	30	END OF CURVE
588364	32°36'53.7	103°32'14.0	0	
588364.9	32°36'53.7	103°32'13.0	0	
588365.9	32°36'53.7	103°32'12.0	0	
588366.8	32°36'53.7	103°32'11.0	0	
588367.8	32°36'53.7	103°32'10.0	0	
588368.7	32°36'53.8	103°32'08.0	0	
588369.7	32°36'53.8	103°32'07.0	0	
588370.6	32°36'53.8	103°32'06.0	0	
588371.5	32°36'53.8	103°32'05.0	0	
588372.5	32°36'53.8	103°32'04.0	0	
588373.4	32°36'53.8	103°32'03.0	0	
588374.4	32°36'53.8	103°32'01.0	0	
588375.3	32°36'53.8	103°32'00.0	0	
588376.3	32°36'53.8	103°31'59.0	0	
588377.2	32°36'53.8	103°31'58.0	0	
588378.2	32°36'53.8	103°31'57.0	0	
588379.1	32°36'53.8	103°31'56.0	0	
588380.1	32°36'53.8	103°31'54.0	0	
588381	32°36'53.8	103°31'53.0	0	
588382	32°36'53.8	103°31'52.0	0	
588382.9	32°36'53.8	103°31'51.0	0	
588383.9	32°36'53.8	103°31'50.0	0	
588384.8	32°36'53.8	103°31'49.0	0	
588385.8	32°36'53.8	103°31'47.0	0	
588386.7	32°36'53.8	103°31'46.0	0	
588387.7	32°36'53.8	103°31'45.0	0	
588388.6	32°36'53.8	103°31'44.0	0	
588389.6	32°36'53.8	103°31'43.0	0	
588390.5	32°36'53.8	103°31'42.0	0	
588391.5	32°36'53.8	103°31'40.0	0	
588392.4	32°36'53.8	103°31'39.0	0	
588393.4	32°36'53.8	103°31'38.0	0	
588394.3	32°36'53.8	103°31'37.0	0	
588395.2	32°36'53.8	103°31'36.0	0	
588396.2	32°36'53.8	103°31'35.0	0	
588397.1	32°36'53.8	103°31'33.0	0	
588398.1	32°36'53.8	103°31'32.0	0	
588399	32°36'53.8	103°31'31.0	0	
588400	32°36'53.8	103°31'30.0	0	
588400.9	32°36'53.8	103°31'29.0	0	
588401.9	32°36'53.8	103°31'28.0	0	
588402.8	32°36'53.8	103°31'26.0	0	
588403.3	32°36'53.8	103°31'26.0	0	No. 5H PE 1

Shape	Comment	Design Comments
point		