

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

RECEIVED

JAN 17 2012

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

NMOC D ARTESIA

SUBMIT IN TRIPLICATE - Other instructions on reverse side

OCD-ARTESIA

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Cimarex Energy Co. of Colorado

3a. Address

600 N. Marienfeld St., Ste. 600; Midland, TX 79701

3b. Phone No. (include area code)

432-571-7800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL 150 FNL & 660 FWL 6-20S-30E
BHL 330 FSL & 660 FWL

5. Lease Serial No

NM-124659

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Burton 6 Federal No. 1

9. API Well No

30015-38226

10. Field and Pool, or Exploratory Area

Parkway; Bone Spring

11. County or Parish, State

Eddy, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☒ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex respectfully request approval to plugback and recompleate the above well in the Cisco Canyon as a Parkway; Upper Penn producer according to the following procedure: Abandon Parkway; BoneSpring Lateral: RIH w/ CIBP & set @ 8330' w/ 25 sx Class H cmt on top. TOC 8100'. Dress off plug. Set Whipstock & bridge plug @ 8020'. NU BOP (BOP information attached). Complete in Cisco Canyon: Drill 4-3/4" hole to 14548' MD/10200' TVD; drill cuttings to be contained in steel pit. RIH w/ 3-1/2" liner and set @ 14548'. TOL @ 7850'. Cement w/ 200 sx 14.5 ppg VersaCem System, 5% Halad -344, 0.4% CFR-3, WO Defoamer, 0.2% HR-601, Displace w/ 166 bbls 2% KCL w/ 24 lbs of sugar first 10 bbls.

Mud Information: Vertical portion of well: 8.7 ppg FW/KCL. Lateral portion of well: 9.5 -10.5ppg cut brine. (Contingency of oil 9.8 ppg oil based mud).

Proposed wellbore schematic attached for review. Directional Plan attached. C102 attached.

14 I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Terri Stathem

Signature

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Title

Regulatory Analyst

Date

December 14, 2011

APPROVED

JAN 12 2012
/s/ Chris Wallis

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of Approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Accepted for record
NMOC D 105 1/2/12

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

Revised October 16, 2009

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 3001538226	Pool Code 49636	Pool Name Parkway; Upper Penn
Property Code 38341	Property Name BURTON "6" FEDERAL	Well Number 1
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3323'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	6	20 S	30 E		150	NORTH	660	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	6	20 S	30 E		660	SOUTH	690	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
3326.8' 3321.4' OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SURFACE LOCATION Lat - N 32°36'33.38" Long - W 104°01'03.69" NMSPCE- N 585528.5 E 638530.0 (NAD-83) PROPOSED BOTTOM HOLE LOCATION Lat - N 32°35'49.11" Long - W 104°01'03.39" NMSPCE- N 581054.245 E 638568.484 (NAD-83)	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Terri Stathem</u> Date: <u>12/13/11</u> Printed Name: _____
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date Surveyed: <u>May 15, 2011</u> Signature of Professional Surveyor: <u>[Signature]</u> Certificate No. <u>7977</u> Basin Surveys

BOP Testing Info
Burton 6 Federal No. 1
Cimarex Energy Co. of Colorado
150' FNL & 660' FWL
6-20S-30E
Eddy County, NM

A 11", 5,000 psi working pressure BOP consisting of one set of blind rams and two sets of pipe rams and a 5,000# annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Rotating head as needed. A Kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

BOP unit will be hydraulically operated. BOP will be nipped up and operated at least once a day while drilling and the blind rams will be operated when out of the hole during trips. No abnormal pressure or temperature is expected while drilling. From the base of the existing 8-5/8" intermediate pipe through the running of production casing the well will be equipped with a 5000 psi BOP system.

BOPs will be tested by an independent service company to 250 psi low and 5000 psi high. Hydrill will be tested to 250 psi low and 2500 psi high.

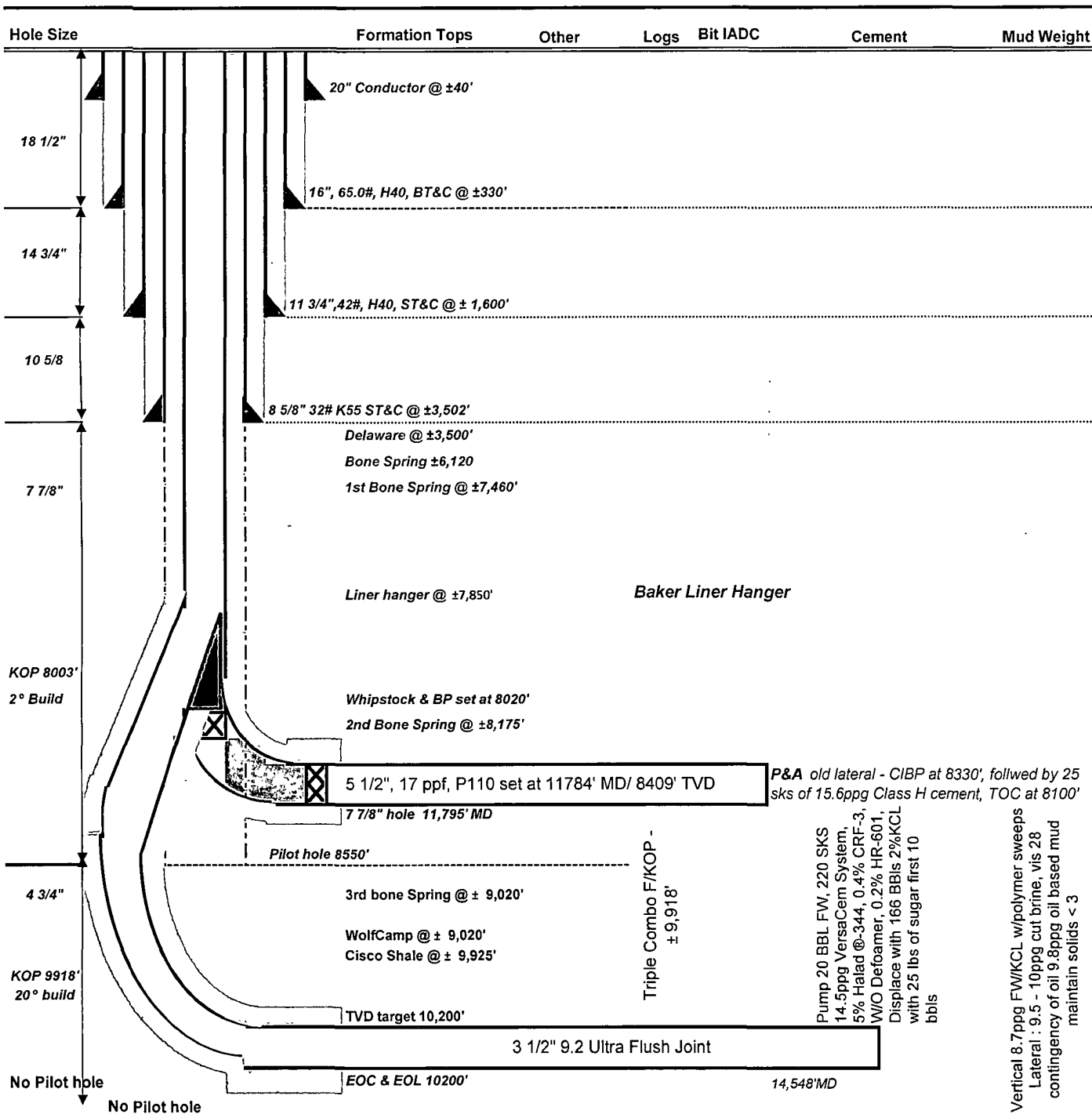


DRILLING PROGNOSIS Cimarex Energy Company

12/12/2011

Well: Burton 6 Federal #1H Reentry
Location: Sec 6, T20S-R30E
County, State: Eddy County, NM
Lat / Long: N32° 36' 33.38" W104° 01' 03.69"
Surface Location: 375 FNL, 660 FWL
Bottomhole Loc: 660 FSL 670 FWL
E-Mail: wellsite10@cimarex.com
Wellhead: SEC A: 11" 5M x 8-5/8" SOW
SEC B: 11" 5M X 7-1/16" 10M
Xmas Tree
Tubing: 2 7/8" L80 EUE
Superintendent:
Engineer: Art Metcalfe

AFE#
API:
Field: Burton
Objective: Cisco Canyon
TVD/MD: 10,200' / 14,548.64'
Ground Elevation: 3323'
Cementing: Halliburton
Mud: M/Swaco
Motors: Baker
OH Logs: Halibuton
Rig: Key 884
Offset Wells:





Cimarex Energy Co.

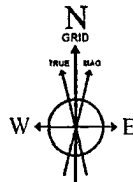
Location Eddy County, NM
Field (Burton) Sec 6, T20S, R30E
Facility Burton 6 Fed No. 1H

Slot No 1H Re-Entry
Well No 1H Re-Entry
Wellbore No 1H Re-Entry PWB



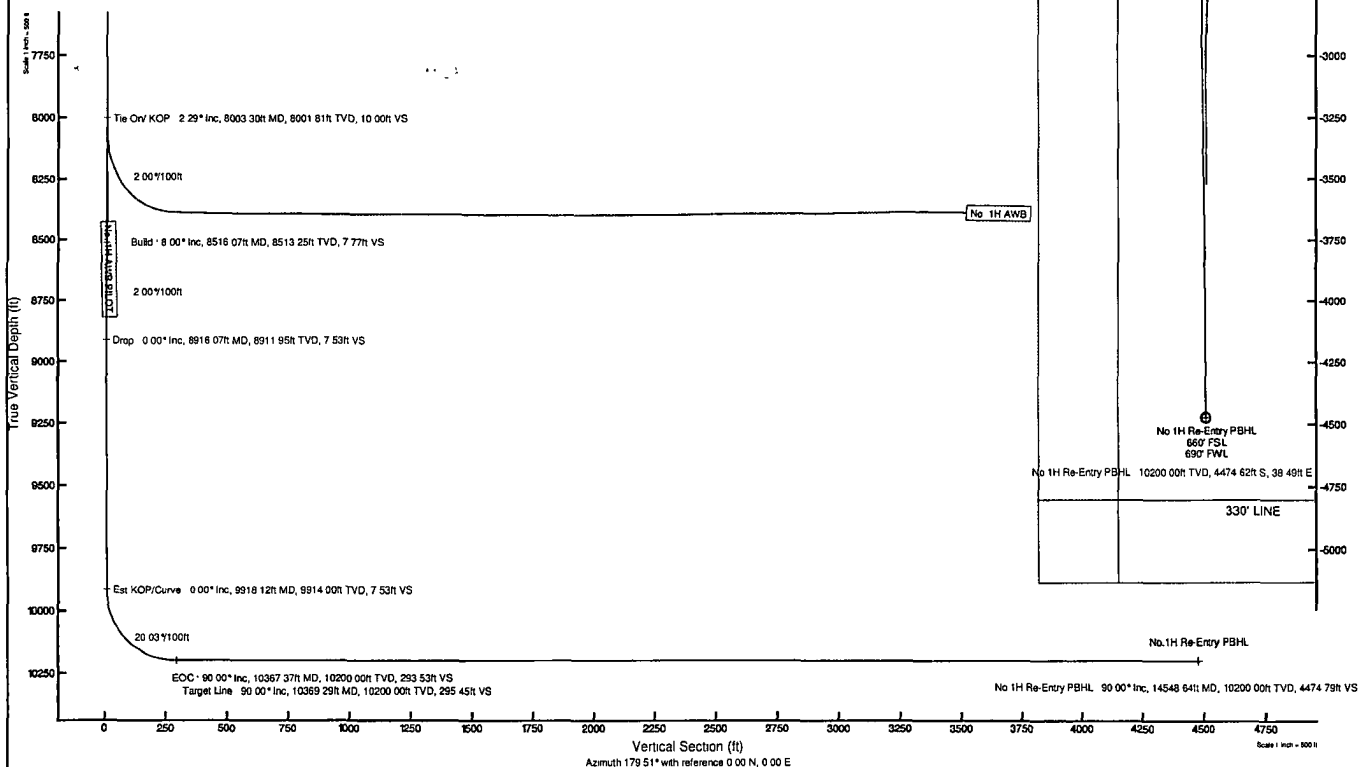
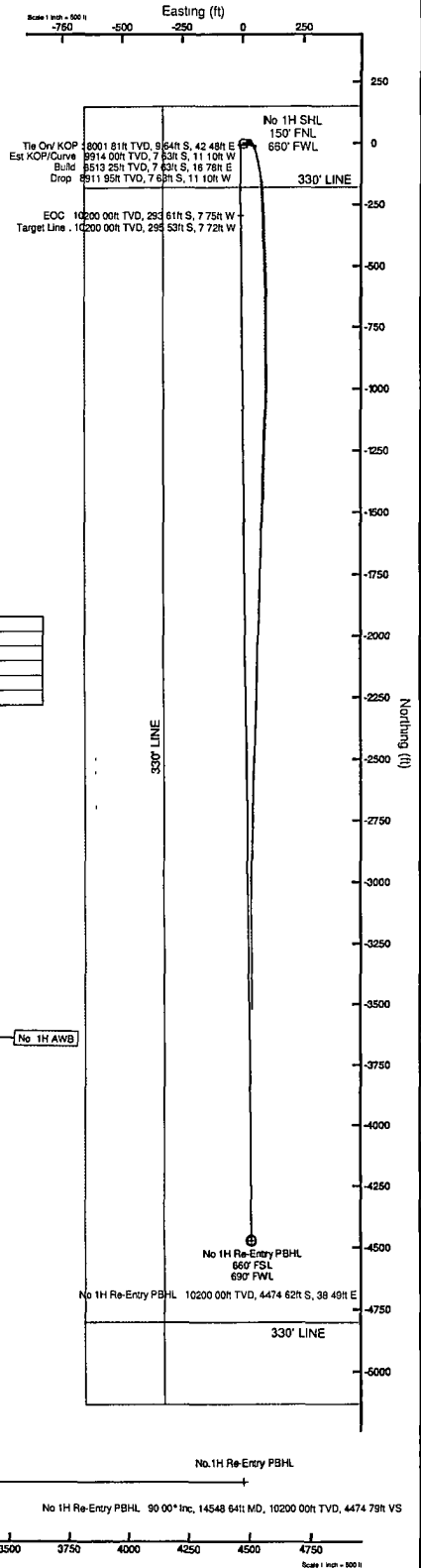
Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (ft/100ft)	VS (ft)
Tie On/ KOP	8003.30	2.29	78.720	8001.81	-9.64	42.48	0.00	10.00
Build	8516.07	8.00	270.000	8513.25	-7.63	16.78	2.00	7.77
Drop	8916.07	0.00	179.328	8911.95	-7.63	-11.10	2.00	7.53
Est KOP/ Curve	9918.12	0.00	179.328	9914.00	-7.63	-11.10	0.00	7.53
EOC	10367.37	90.00	179.328	10200.00	-293.61	-7.75	20.03	293.53
Target Line	10369.29	90.00	179.366	10200.00	-295.53	-7.72	2.00	295.45
No 1H Re-Entry PBHL	14548.64	90.00	179.366	10200.00	-4474.62	38.49	0.00	4474.79



BGGM (1945 0 to 2012 0) Dip: 60.46° Field: 48774.3 nT
Magnetic North is 7.81 degrees East of True North (at 12/12/2011)
Grid North is 0.17 degrees East of True North
To correct azimuth from True to Grid subtract 0.17 degrees
To correct azimuth from Magnetic to Grid add 7.64 degrees
For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.64 = 97.64

Plot reference wellbore is Prelim. 1	
True vertical depths are referenced to Rig on No 1H Re-Entry (RT)	Grid System: NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No 1H Re-Entry (RT)	North Reference: Grid north
Rig on No 1H Re-Entry (RT) to Mean Sea Level: 3323 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No 1H Re-Entry) -3323 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: jentriby on 12/12/2011





Planned Wellpath Report

Prelim_1
Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No.1H Re-Entry
Area	Eddy County, NM	Well	No.1H Re-Entry
Field	(Burton) Sec 6, T20S, R30E	Wellbore	No.1H Re-Entry PWB
Facility	Burton 6 Fed No. 1H		

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Gentbry
Scale	0.99992	Report Generated	12/12/2011 at 10:22:06 AM
Convergence at slot	0.17° East	Database/Source file	WA Midland/No.1H_Re-Entry_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	638530.00	585528.50	32°36'33.382"N	104°01'03.694"W
Facility Reference Pt			638530.00	585528.50	32°36'33.382"N	104°01'03.694"W
Field Reference Pt			639370.01	585205.16	32°36'30.158"N	104°00'53.884"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No.1H Re-Entry (RT) to Facility Vertical Datum	0.00ft
Horizontal Reference Pt	Slot	Rig on No.1H Re-Entry (RT) to Mean Sea Level	3323.00ft
Vertical Reference Pt	Rig on No.1H Re-Entry (RT)	Rig on No.1H Re-Entry (RT) to Mud Line at Slot (No.1H Re-Entry)	0.00ft
MD Reference Pt	Rig on No.1H Re-Entry (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.51°



Planned Wellpath Report

Prelim 1
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Slot	No.1H Re-Entry
Area	Eddy County, NM	Well	No.1H Re-Entry
Field	(Burton) Sec 6, T20S, R30E	Wellbore	No.1H Re-Entry PWB
Facility	Burton 6 Fed No. 1H		

WELLPATH DATA (205 stations)												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	91.630	0.00	0.00	0.00	0.00	638530.00	585528.50	32°36'33.382"N	104°01'03.694"W	0.00	
46.80	0.640	91.630	46.80	0.01	-0.01	0.26	638530.26	585528.49	32°36'33.382"N	104°01'03.691"W	1.37	
107.20	0.800	99.830	107.19	0.10	-0.09	1.01	638531.01	585528.41	32°36'33.381"N	104°01'03.682"W	0.31	
167.70	1.120	107.090	167.69	0.35	-0.33	2.00	638532.00	585528.17	32°36'33.379"N	104°01'03.670"W	0.56	
228.60	1.430	106.070	228.57	0.75	-0.72	3.29	638533.29	585527.78	32°36'33.375"N	104°01'03.655"W	0.51	
288.10	1.550	100.630	288.05	1.12	-1.07	4.80	638534.80	585527.43	32°36'33.371"N	104°01'03.638"W	0.31	
348.10	1.550	96.940	348.03	1.38	-1.32	6.40	638536.40	585527.18	32°36'33.369"N	104°01'03.619"W	0.17	
409.10	1.380	90.450	409.01	1.50	-1.43	7.96	638537.95	585527.07	32°36'33.368"N	104°01'03.601"W	0.39	
471.40	1.240	78.950	471.29	1.38	-1.30	9.37	638539.37	585527.20	32°36'33.369"N	104°01'03.584"W	0.48	
535.20	1.170	70.690	535.08	1.05	-0.96	10.66	638540.66	585527.54	32°36'33.372"N	104°01'03.569"W	0.29	
599.00	1.130	57.020	598.87	0.50	-0.40	11.80	638541.80	585528.10	32°36'33.378"N	104°01'03.556"W	0.43	
662.90	1.230	50.240	662.75	-0.27	0.38	12.86	638542.86	585528.88	32°36'33.386"N	104°01'03.543"W	0.27	
726.70	1.410	47.470	726.54	-1.23	1.35	13.96	638543.96	585529.85	32°36'33.395"N	104°01'03.530"W	0.30	
790.50	1.700	46.710	790.31	-2.40	2.53	15.23	638545.23	585531.03	32°36'33.407"N	104°01'03.516"W	0.46	
854.40	1.840	46.760	854.18	-3.74	3.88	16.67	638546.67	585532.38	32°36'33.420"N	104°01'03.499"W	0.22	
918.20	2.100	49.690	917.94	-5.18	5.34	18.30	638548.30	585533.84	32°36'33.435"N	104°01'03.479"W	0.44	
982.00	2.180	51.370	981.70	-6.68	6.86	20.14	638550.14	585535.36	32°36'33.449"N	104°01'03.458"W	0.16	
1045.90	2.310	53.840	1045.55	-8.18	8.37	22.13	638552.13	585536.87	32°36'33.464"N	104°01'03.435"W	0.25	
1109.70	2.410	58.640	1109.30	-9.62	9.83	24.32	638554.31	585538.33	32°36'33.479"N	104°01'03.409"W	0.35	
1173.50	2.420	61.150	1173.04	-10.95	11.18	26.64	638556.64	585539.68	32°36'33.492"N	104°01'03.382"W	0.17	
1237.30	2.000	59.330	1236.79	-12.15	12.40	28.78	638558.78	585540.90	32°36'33.504"N	104°01'03.357"W	0.67	
1301.20	1.260	57.900	1300.67	-13.08	13.34	30.33	638560.33	585541.84	32°36'33.513"N	104°01'03.339"W	1.16	
1365.00	0.620	76.240	1364.46	-13.52	13.79	31.26	638561.26	585542.29	32°36'33.518"N	104°01'03.328"W	1.10	
1428.80	0.460	160.680	1428.25	-13.36	13.63	31.68	638561.68	585542.13	32°36'33.516"N	104°01'03.323"W	1.15	
1492.70	0.920	191.230	1492.15	-12.62	12.89	31.67	638561.67	585541.39	32°36'33.509"N	104°01'03.323"W	0.90	
1556.50	1.070	199.140	1555.94	-11.55	11.82	31.37	638561.37	585540.32	32°36'33.498"N	104°01'03.326"W	0.32	
1620.30	1.020	198.180	1619.73	-10.45	10.72	31.00	638561.00	585539.22	32°36'33.487"N	104°01'03.331"W	0.08	
1684.20	1.050	203.670	1683.62	-9.38	9.64	30.59	638560.59	585538.14	32°36'33.477"N	104°01'03.336"W	0.16	
1748.00	1.150	212.360	1747.41	-8.31	8.57	30.01	638560.01	585537.07	32°36'33.466"N	104°01'03.343"W	0.30	
1811.80	1.180	220.450	1811.19	-7.28	7.53	29.24	638559.24	585536.03	32°36'33.456"N	104°01'03.352"W	0.26	
1875.70	1.460	214.330	1875.08	-6.11	6.36	28.36	638558.35	585534.85	32°36'33.444"N	104°01'03.362"W	0.49	
1939.50	1.470	209.140	1938.86	-4.73	4.97	27.50	638557.50	585533.47	32°36'33.431"N	104°01'03.372"W	0.21	
2003.30	1.190	209.470	2002.64	-3.45	3.68	26.77	638556.77	585532.18	32°36'33.418"N	104°01'03.381"W	0.44	
2067.10	1.260	206.180	2066.42	-2.25	2.47	26.14	638556.14	585530.97	32°36'33.406"N	104°01'03.388"W	0.16	
2131.00	1.220	196.850	2130.31	-0.97	1.19	25.63	638555.63	585529.69	32°36'33.393"N	104°01'03.394"W	0.32	
2194.80	1.000	169.160	2194.10	0.23	-0.01	25.54	638555.54	585528.49	32°36'33.381"N	104°01'03.395"W	0.90	
2258.60	0.990	160.470	2257.89	1.30	-1.07	25.83	638555.83	585527.43	32°36'33.371"N	104°01'03.392"W	0.24	
2322.50	0.930	158.370	2321.78	2.30	-2.08	26.20	638556.20	585526.42	32°36'33.361"N	104°01'03.387"W	0.11	
2386.30	0.780	123.640	2385.57	3.03	-2.80	26.76	638556.75	585525.70	32°36'33.354"N	104°01'03.381"W	0.83	
2450.10	0.580	130.510	2449.37	3.48	-3.25	27.36	638557.36	585525.25	32°36'33.349"N	104°01'03.374"W	0.34	
2513.90	0.380	135.770	2513.17	3.85	-3.61	27.76	638557.75	585524.89	32°36'33.346"N	104°01'03.369"W	0.32	
2577.80	0.240	123.270	2577.07	4.08	-3.83	28.02	638558.01	585524.67	32°36'33.343"N	104°01'03.366"W	0.24	
2641.60	0.150	98.970	2640.86	4.16	-3.92	28.21	638558.21	585524.58	32°36'33.343"N	104°01'03.364"W	0.19	
2705.40	0.130	72.650	2704.66	4.16	-3.91	28.36	638558.36	585524.59	32°36'33.343"N	104°01'03.362"W	0.10	
2769.30	0.130	64.620	2768.56	4.10	-3.86	28.50	638558.49	585524.64	32°36'33.343"N	104°01'03.361"W	0.03	



Planned Wellpath Report

Prelim_1
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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No.1H Re-Entry
Area	Eddy County, NM	Well	No.1H Re-Entry
Field	(Burton) Sec 6, T20S, R30E	Wellbore	No.1H Re-Entry PWB
Facility	Burton 6 Fed No. 1H		

WELLPATH DATA (205 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2833.10	0.100	30.310	2832.36	4.03	-3.78	28.59	638558.59	585524.72	32°36'33.344"N	104°01'03.360"W	0.12	
2896.90	0.160	316.260	2896.16	3.91	-3.67	28.56	638558.55	585524.83	32°36'33.345"N	104°01'03.360"W	0.26	
2960.80	0.230	314.850	2960.06	3.76	-3.51	28.40	638558.40	585524.99	32°36'33.347"N	104°01'03.362"W	0.11	
3024.60	0.200	315.380	3023.86	3.59	-3.34	28.24	638558.23	585525.16	32°36'33.348"N	104°01'03.364"W	0.05	
3088.40	0.130	54.900	3087.66	3.47	-3.22	28.22	638558.21	585525.28	32°36'33.349"N	104°01'03.364"W	0.40	
3152.30	0.340	82.560	3151.56	3.40	-3.16	28.46	638558.46	585525.34	32°36'33.350"N	104°01'03.361"W	0.36	
3216.10	0.400	78.360	3215.36	3.34	-3.09	28.87	638558.87	585525.41	32°36'33.351"N	104°01'03.356"W	0.10	
3279.90	0.480	70.490	3279.16	3.21	-2.95	29.34	638559.34	585525.55	32°36'33.352"N	104°01'03.351"W	0.16	
3343.70	0.540	58.980	3342.96	2.97	-2.71	29.85	638559.85	585525.79	32°36'33.355"N	104°01'03.345"W	0.19	
3407.60	0.550	62.330	3406.85	2.67	-2.41	30.38	638560.38	585526.09	32°36'33.357"N	104°01'03.339"W	0.05	
3471.40	0.450	76.830	3470.65	2.48	-2.21	30.89	638560.89	585526.29	32°36'33.359"N	104°01'03.333"W	0.25	
3500.75†	0.449	80.689	3500.00	2.43	-2.17	31.12	638561.12	585526.33	32°36'33.360"N	104°01'03.330"W	0.10	Delaware Sands
3535.20	0.450	85.220	3534.45	2.40	-2.13	31.39	638561.38	585526.37	32°36'33.360"N	104°01'03.327"W	0.10	
3599.10	0.480	77.180	3598.35	2.33	-2.05	31.90	638561.90	585526.45	32°36'33.361"N	104°01'03.321"W	0.11	
3662.90	0.510	67.450	3662.15	2.16	-1.89	32.42	638562.42	585526.61	32°36'33.363"N	104°01'03.315"W	0.14	
3726.70	0.540	58.740	3725.94	1.90	-1.62	32.94	638562.94	585526.88	32°36'33.365"N	104°01'03.309"W	0.13	
3790.60	0.580	55.290	3789.84	1.57	-1.28	33.46	638563.46	585527.22	32°36'33.369"N	104°01'03.303"W	0.08	
3854.40	0.590	50.630	3853.64	1.18	-0.89	33.98	638563.98	585527.61	32°36'33.372"N	104°01'03.296"W	0.08	
3918.20	0.520	45.660	3917.43	0.77	-0.48	34.44	638564.44	585528.02	32°36'33.376"N	104°01'03.291"W	0.13	
3982.00	0.460	40.860	3981.23	0.38	-0.08	34.82	638564.82	585528.42	32°36'33.380"N	104°01'03.287"W	0.11	
4045.90	0.480	37.550	4045.13	-0.02	0.33	35.15	638565.15	585528.83	32°36'33.384"N	104°01'03.283"W	0.05	
4109.70	0.460	28.700	4108.93	-0.46	0.76	35.44	638565.43	585529.26	32°36'33.389"N	104°01'03.279"W	0.12	
4173.50	0.480	10.500	4172.72	-0.94	1.25	35.61	638565.60	585529.75	32°36'33.394"N	104°01'03.277"W	0.24	
4237.40	0.500	355.640	4236.62	-1.48	1.79	35.63	638565.63	585530.29	32°36'33.399"N	104°01'03.277"W	0.20	
4301.20	0.440	354.450	4300.42	-2.01	2.31	35.59	638565.59	585530.81	32°36'33.404"N	104°01'03.278"W	0.10	
4365.00	0.420	355.800	4364.22	-2.48	2.79	35.55	638565.55	585531.29	32°36'33.409"N	104°01'03.278"W	0.04	
4428.90	0.420	0.730	4428.12	-2.95	3.26	35.53	638565.53	585531.76	32°36'33.413"N	104°01'03.278"W	0.06	
4492.70	0.420	3.580	4491.91	-3.42	3.72	35.55	638565.55	585532.22	32°36'33.418"N	104°01'03.278"W	0.03	
4556.50	0.420	6.260	4555.71	-3.88	4.19	35.59	638565.59	585532.69	32°36'33.423"N	104°01'03.277"W	0.03	
4620.30	0.420	0.830	4619.51	-4.35	4.66	35.62	638565.62	585533.16	32°36'33.427"N	104°01'03.277"W	0.06	
4684.20	0.370	0.880	4683.41	-4.79	5.10	35.63	638565.63	585533.60	32°36'33.432"N	104°01'03.277"W	0.08	
4748.00	0.340	347.430	4747.21	-5.18	5.49	35.59	638565.59	585533.99	32°36'33.435"N	104°01'03.277"W	0.14	
4811.80	0.370	336.850	4811.01	-5.56	5.86	35.47	638565.46	585534.36	32°36'33.439"N	104°01'03.279"W	0.11	
4875.70	0.410	321.950	4874.91	-5.93	6.23	35.25	638565.24	585534.73	32°36'33.443"N	104°01'03.281"W	0.17	
4939.50	0.400	311.570	4938.70	-6.26	6.56	34.94	638564.94	585535.06	32°36'33.446"N	104°01'03.285"W	0.12	
5003.30	0.420	305.520	5002.50	-6.54	6.84	34.58	638564.58	585535.34	32°36'33.449"N	104°01'03.289"W	0.07	
5067.10	0.410	307.280	5066.30	-6.82	7.12	34.21	638564.21	585535.62	32°36'33.452"N	104°01'03.293"W	0.03	
5131.00	0.460	305.250	5130.20	-7.11	7.40	33.82	638563.82	585535.90	32°36'33.454"N	104°01'03.298"W	0.08	
5194.80	0.490	303.250	5194.00	-7.41	7.70	33.38	638563.38	585536.20	32°36'33.457"N	104°01'03.303"W	0.05	
5258.60	0.510	303.070	5257.79	-7.72	8.00	32.91	638562.91	585536.50	32°36'33.460"N	104°01'03.309"W	0.03	
5322.50	0.480	306.410	5321.69	-8.04	8.32	32.46	638562.46	585536.82	32°36'33.464"N	104°01'03.314"W	0.07	
5386.30	0.470	307.980	5385.49	-8.36	8.64	32.04	638562.04	585537.14	32°36'33.467"N	104°01'03.319"W	0.03	
5450.10	0.450	305.590	5449.29	-8.67	8.95	31.63	638561.63	585537.44	32°36'33.470"N	104°01'03.324"W	0.04	
5514.00	0.490	301.080	5513.19	-8.96	9.23	31.19	638561.19	585537.73	32°36'33.473"N	104°01'03.329"W	0.09	
5577.80	0.600	298.350	5576.98	-9.27	9.53	30.66	638560.66	585538.03	32°36'33.476"N	104°01'03.335"W	0.18	



Planned Wellpath Report

Prelim 1

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Slot	No.1H Re-Entry
Area	Eddy County, NM	Well	No.1H Re-Entry
Field	(Burton) Sec 6, T20S, R30E	Wellbore	No.1H Re-Entry PWB
Facility	Burton 6 Fed No. 1H		

WELLPATH DATA (205 stations) † = interpolated/extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5641.60	0.750	298.970	5640.78	-9.63	9.89	30.00	638560.00	585538.39	32°36'33.479"N	104°01'03.343"W	0.24	
5705.40	0.770	299.740	5704.57	-10.06	10.31	29.27	638559.26	585538.81	32°36'33.483"N	104°01'03.351"W	0.04	
5769.30	0.890	296.330	5768.47	-10.50	10.74	28.45	638558.45	585539.24	32°36'33.488"N	104°01'03.361"W	0.20	
5833.10	0.910	290.250	5832.26	-10.90	11.14	27.53	638557.53	585539.63	32°36'33.492"N	104°01'03.371"W	0.15	
5896.90	0.980	286.570	5896.05	-11.24	11.47	26.53	638556.53	585539.97	32°36'33.495"N	104°01'03.383"W	0.15	
5960.80	1.020	284.300	5959.94	-11.54	11.76	25.46	638555.46	585540.26	32°36'33.498"N	104°01'03.396"W	0.09	
6024.60	1.050	282.770	6023.73	-11.82	12.03	24.34	638554.33	585540.53	32°36'33.501"N	104°01'03.409"W	0.06	
6088.40	0.990	278.810	6087.52	-12.05	12.25	23.22	638553.22	585540.75	32°36'33.503"N	104°01'03.422"W	0.15	
6120.89†	0.903	276.826	6120.00	-12.12	12.32	22.69	638552.69	585540.82	32°36'33.503"N	104°01'03.428"W	0.29	Bone Spring
6152.30	0.820	274.510	6151.41	-12.17	12.37	22.22	638552.22	585540.87	32°36'33.504"N	104°01'03.433"W	0.29	
6216.10	0.840	266.710	6215.20	-12.19	12.38	21.30	638551.30	585540.87	32°36'33.504"N	104°01'03.444"W	0.18	
6279.90	0.900	256.530	6279.00	-12.06	12.23	20.34	638550.34	585540.73	32°36'33.503"N	104°01'03.455"W	0.26	
6343.80	0.770	240.710	6342.89	-11.74	11.91	19.48	638549.48	585540.40	32°36'33.499"N	104°01'03.465"W	0.41	
6407.60	0.770	248.430	6406.68	-11.38	11.54	18.71	638548.71	585540.04	32°36'33.496"N	104°01'03.475"W	0.16	
6471.40	0.450	293.790	6470.48	-11.33	11.48	18.08	638548.08	585539.98	32°36'33.495"N	104°01'03.482"W	0.87	
6535.20	0.080	8.070	6534.28	-11.47	11.63	17.86	638547.86	585540.13	32°36'33.497"N	104°01'03.484"W	0.68	
6599.10	0.270	161.660	6598.18	-11.37	11.53	17.91	638547.91	585540.03	32°36'33.496"N	104°01'03.484"W	0.54	
6662.90	0.530	173.710	6661.98	-10.94	11.09	17.99	638547.99	585539.59	32°36'33.491"N	104°01'03.483"W	0.43	
6726.70	0.710	166.090	6725.78	-10.26	10.41	18.12	638548.12	585538.91	32°36'33.485"N	104°01'03.481"W	0.31	
6790.60	0.720	153.540	6789.67	-9.51	9.67	18.39	638548.39	585538.17	32°36'33.477"N	104°01'03.478"W	0.25	
6854.40	0.790	150.500	6853.46	-8.77	8.93	18.79	638548.79	585537.43	32°36'33.470"N	104°01'03.474"W	0.13	
6918.20	0.940	146.540	6917.26	-7.94	8.11	19.29	638549.29	585536.61	32°36'33.462"N	104°01'03.468"W	0.25	
6982.10	1.070	142.830	6981.15	-7.03	7.20	19.94	638549.94	585535.70	32°36'33.453"N	104°01'03.460"W	0.23	
7045.90	1.360	143.300	7044.93	-5.94	6.12	20.76	638550.75	585534.61	32°36'33.442"N	104°01'03.451"W	0.45	
7109.70	1.770	154.980	7108.71	-4.43	4.62	21.62	638551.62	585533.12	32°36'33.427"N	104°01'03.441"W	0.81	
7173.50	2.070	164.220	7172.47	-2.42	2.61	22.35	638552.35	585531.11	32°36'33.407"N	104°01'03.432"W	0.67	
7237.40	2.320	167.920	7236.33	-0.04	0.24	22.94	638552.94	585528.74	32°36'33.384"N	104°01'03.425"W	0.45	
7301.20	1.950	158.730	7300.08	2.24	-2.04	23.60	638553.60	585526.46	32°36'33.361"N	104°01'03.418"W	0.79	
7365.00	1.720	144.030	7363.85	4.03	-3.82	24.56	638554.56	585524.68	32°36'33.344"N	104°01'03.407"W	0.82	
7428.90	1.660	138.650	7427.72	5.51	-5.29	25.73	638555.73	585523.21	32°36'33.329"N	104°01'03.393"W	0.27	
7461.19†	1.604	137.457	7460.00	6.20	-5.98	26.35	638556.35	585522.52	32°36'33.322"N	104°01'03.386"W	0.20	1st BSS
7492.70	1.550	136.210	7491.50	6.84	-6.61	26.94	638556.94	585521.89	32°36'33.316"N	104°01'03.379"W	0.20	
7556.50	1.400	131.260	7555.28	7.99	-7.75	28.12	638558.12	585520.75	32°36'33.305"N	104°01'03.365"W	0.31	
7620.40	1.430	120.890	7619.16	8.92	-8.67	29.40	638559.39	585519.83	32°36'33.296"N	104°01'03.350"W	0.40	
7684.20	1.610	113.570	7682.93	9.70	-9.44	30.90	638560.90	585519.06	32°36'33.288"N	104°01'03.333"W	0.41	
7748.00	1.980	106.380	7746.70	10.39	-10.11	32.78	638562.78	585518.39	32°36'33.281"N	104°01'03.311"W	0.68	
7811.80	2.160	100.680	7810.46	10.94	-10.64	35.02	638565.02	585517.86	32°36'33.276"N	104°01'03.285"W	0.43	
7875.70	2.310	83.860	7874.31	11.05	-10.73	37.48	638567.48	585517.77	32°36'33.275"N	104°01'03.256"W	1.05	
7939.50	2.310	74.160	7938.06	10.58	-10.24	40.00	638569.99	585518.26	32°36'33.280"N	104°01'03.226"W	0.61	
8003.30	2.290	78.720	8001.81	10.00	-9.64	42.48	638572.48	585518.86	32°36'33.286"N	104°01'03.197"W	0.00	Tie On/ KOP
8103.30†	0.438	34.437	8101.78	9.32	-8.93	44.66	638574.66	585519.57	32°36'33.293"N	104°01'03.172"W	2.00	
8176.53†	1.251	283.751	8175.00	8.89	-8.51	44.04	638574.04	585519.99	32°36'33.297"N	104°01'03.179"W	2.00	2nd BSS
8203.30†	1.772	278.900	8201.76	8.75	-8.38	43.35	638573.34	585520.12	32°36'33.298"N	104°01'03.187"W	2.00	
8303.30†	3.753	272.852	8301.64	8.31	-7.97	38.55	638568.55	585520.53	32°36'33.302"N	104°01'03.243"W	2.00	
8403.30†	5.748	270.989	8401.29	7.99	-7.73	30.28	638560.27	585520.78	32°36'33.305"N	104°01'03.340"W	2.00	



Planned Wellpath Report

Prelim_1

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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No.1H Re-Entry
Area	Eddy County, NM	Well	No.1H Re-Entry
Field	(Burton) Sec 6, T20S, R30E	Wellbore	No.1H Re-Entry PWB
Facility	Burton 6 Fed No. 1H		

WELLPATH DATA (205 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8503.30†	7.745	270.083	8500.60	7.79	-7.63	18.53	638548.53	585520.87	32°36'33.306"N	104°01'03.477"W	2.00	
8516.07	8.000	270.000	8513.25	7.77	-7.63	16.78	638546.78	585520.87	32°36'33.306"N	104°01'03.498"W	2.00	Build
8603.30†	6.255	270.000	8599.80	7.68	-7.63	5.96	638535.96	585520.87	32°36'33.307"N	104°01'03.624"W	2.00	
8703.30†	4.255	270.000	8699.37	7.60	-7.63	-3.20	638526.80	585520.87	32°36'33.307"N	104°01'03.731"W	2.00	
8803.30†	2.255	270.000	8799.21	7.55	-7.63	-8.88	638521.12	585520.87	32°36'33.307"N	104°01'03.798"W	2.00	
8903.30†	0.255	270.000	8899.18	7.53	-7.63	-11.07	638518.93	585520.87	32°36'33.307"N	104°01'03.823"W	2.00	
8916.07	0.000	179.328	8911.95	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	2.00	Drop
9003.30†	0.000	179.328	8999.18	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	
9024.12†	0.000	179.328	9020.00	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	3rd BSS
9103.30†	0.000	179.328	9099.18	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	
9203.30†	0.000	179.328	9199.18	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	
9303.30†	0.000	179.328	9299.18	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	
9403.30†	0.000	179.328	9399.18	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	
9503.30†	0.000	179.328	9499.18	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	
9504.12†	0.000	179.328	9500.00	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	Wolfcamp
9603.30†	0.000	179.328	9599.18	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	
9703.30†	0.000	179.328	9699.18	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	
9803.30†	0.000	179.328	9799.18	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	
9903.30†	0.000	179.328	9899.18	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	
9918.12	0.000	179.328	9914.00	7.53	-7.63	-11.10	638518.90	585520.87	32°36'33.307"N	104°01'03.824"W	0.00	Est KOP/Curve
9929.12†	2.204	179.328	9925.00	7.74	-7.84	-11.10	638518.90	585520.66	32°36'33.305"N	104°01'03.824"W	20.03	Cisco Shale
10003.30†	17.064	179.328	9997.92	20.12	-20.22	-10.95	638519.05	585508.28	32°36'33.182"N	104°01'03.822"W	20.03	
10103.30†	37.098	179.328	10086.51	65.42	-65.51	-10.42	638519.58	585463.00	32°36'32.734"N	104°01'03.818"W	20.03	
10203.30†	57.131	179.328	10154.22	138.31	-138.40	-9.57	638520.43	585390.11	32°36'32.013"N	104°01'03.810"W	20.03	
10303.30†	77.165	179.328	10192.85	230.00	-230.08	-8.49	638521.51	585298.44	32°36'31.106"N	104°01'03.801"W	20.03	
10367.37	90.000	179.328	10200.00	293.53	-293.61	-7.75	638522.26	585234.92	32°36'30.477"N	104°01'03.794"W	20.03	EOC
10369.29	90.000	179.366	10200.00	295.45	-295.53	-7.72	638522.28	585232.99	32°36'30.458"N	104°01'03.794"W	2.00	Target Line
10403.30†	90.000	179.366	10200.00	329.46	-329.54	-7.35	638522.65	585198.99	32°36'30.122"N	104°01'03.791"W	0.00	
10503.30†	90.000	179.366	10200.00	429.46	-429.53	-6.24	638523.76	585099.00	32°36'29.132"N	104°01'03.782"W	0.00	
10603.30†	90.000	179.366	10200.00	529.46	-529.52	-5.14	638524.86	584999.02	32°36'28.143"N	104°01'03.772"W	0.00	
10703.30†	90.000	179.366	10200.00	629.46	-629.52	-4.03	638525.97	584899.03	32°36'27.154"N	104°01'03.763"W	0.00	
10803.30†	90.000	179.366	10200.00	729.46	-729.51	-2.92	638527.08	584799.05	32°36'26.164"N	104°01'03.753"W	0.00	
10903.30†	90.000	179.366	10200.00	829.46	-829.51	-1.82	638528.18	584699.06	32°36'25.175"N	104°01'03.744"W	0.00	
11003.30†	90.000	179.366	10200.00	929.46	-929.50	-0.71	638529.29	584599.08	32°36'24.185"N	104°01'03.734"W	0.00	
11103.30†	90.000	179.366	10200.00	1029.46	-1029.49	0.39	638530.39	584499.09	32°36'23.196"N	104°01'03.725"W	0.00	
11203.30†	90.000	179.366	10200.00	1129.46	-1129.49	1.50	638531.50	584399.10	32°36'22.206"N	104°01'03.715"W	0.00	
11303.30†	90.000	179.366	10200.00	1229.46	-1229.48	2.60	638532.60	584299.12	32°36'21.217"N	104°01'03.706"W	0.00	
11403.30†	90.000	179.366	10200.00	1329.46	-1329.48	3.71	638533.71	584199.13	32°36'20.228"N	104°01'03.696"W	0.00	
11503.30†	90.000	179.366	10200.00	1429.46	-1429.47	4.82	638534.81	584099.15	32°36'19.238"N	104°01'03.687"W	0.00	
11603.30†	90.000	179.366	10200.00	1529.46	-1529.46	5.92	638535.92	583999.16	32°36'18.249"N	104°01'03.678"W	0.00	
11703.30†	90.000	179.366	10200.00	1629.46	-1629.46	7.03	638537.03	583899.18	32°36'17.259"N	104°01'03.668"W	0.00	
11803.30†	90.000	179.366	10200.00	1729.46	-1729.45	8.13	638538.13	583799.19	32°36'16.270"N	104°01'03.659"W	0.00	
11903.30†	90.000	179.366	10200.00	1829.46	-1829.45	9.24	638539.24	583699.20	32°36'15.280"N	104°01'03.649"W	0.00	
12003.30†	90.000	179.366	10200.00	1929.46	-1929.44	10.34	638540.34	583599.22	32°36'14.291"N	104°01'03.640"W	0.00	
12103.30†	90.000	179.366	10200.00	2029.46	-2029.43	11.45	638541.45	583499.23	32°36'13.302"N	104°01'03.630"W	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Slot	No.1H Re-Entry
Area	Eddy County, NM	Well	No.1H Re-Entry
Field	(Burton) Sec 6, T20S, R30E	Wellbore	No.1H Re-Entry PWB
Facility	Burton 6 Fed No. 1H		

WELLPATH DATA (205 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12203.30†	90.000	179.366	10200.00	2129.46	-2129.43	12.55	638542.55	583399.25	32°36'12.312"N	104°01'03.621"W	0.00	
12303.30†	90.000	179.366	10200.00	2229.46	-2229.42	13.66	638543.66	583299.26	32°36'11.323"N	104°01'03.611"W	0.00	
12403.30†	90.000	179.366	10200.00	2329.46	-2329.41	14.77	638544.77	583199.28	32°36'10.333"N	104°01'03.602"W	0.00	
12503.30†	90.000	179.366	10200.00	2429.46	-2429.41	15.87	638545.87	583099.29	32°36'09.344"N	104°01'03.592"W	0.00	
12603.30†	90.000	179.366	10200.00	2529.46	-2529.40	16.98	638546.98	582999.31	32°36'08.355"N	104°01'03.583"W	0.00	
12703.30†	90.000	179.366	10200.00	2629.45	-2629.40	18.08	638548.08	582899.32	32°36'07.365"N	104°01'03.574"W	0.00	
12803.30†	90.000	179.366	10200.00	2729.45	-2729.39	19.19	638549.19	582799.33	32°36'06.376"N	104°01'03.564"W	0.00	
12903.30†	90.000	179.366	10200.00	2829.45	-2829.38	20.29	638550.29	582699.35	32°36'05.386"N	104°01'03.555"W	0.00	
13003.30†	90.000	179.366	10200.00	2929.45	-2929.38	21.40	638551.40	582599.36	32°36'04.397"N	104°01'03.545"W	0.00	
13103.30†	90.000	179.366	10200.00	3029.45	-3029.37	22.51	638552.50	582499.38	32°36'03.407"N	104°01'03.536"W	0.00	
13203.30†	90.000	179.366	10200.00	3129.45	-3129.37	23.61	638553.61	582399.39	32°36'02.418"N	104°01'03.526"W	0.00	
13303.30†	90.000	179.366	10200.00	3229.45	-3229.36	24.72	638554.72	582299.41	32°36'01.429"N	104°01'03.517"W	0.00	
13403.30†	90.000	179.366	10200.00	3329.45	-3329.35	25.82	638555.82	582199.42	32°36'00.439"N	104°01'03.507"W	0.00	
13503.30†	90.000	179.366	10200.00	3429.45	-3429.35	26.93	638556.93	582099.43	32°35'59.450"N	104°01'03.498"W	0.00	
13603.30†	90.000	179.366	10200.00	3529.45	-3529.34	28.03	638558.03	581999.45	32°35'58.460"N	104°01'03.488"W	0.00	
13703.30†	90.000	179.366	10200.00	3629.45	-3629.34	29.14	638559.14	581899.46	32°35'57.471"N	104°01'03.479"W	0.00	
13803.30†	90.000	179.366	10200.00	3729.45	-3729.33	30.25	638560.24	581799.48	32°35'56.481"N	104°01'03.470"W	0.00	
13903.30†	90.000	179.366	10200.00	3829.45	-3829.32	31.35	638561.35	581699.49	32°35'55.492"N	104°01'03.460"W	0.00	
14003.30†	90.000	179.366	10200.00	3929.45	-3929.32	32.46	638562.45	581599.51	32°35'54.503"N	104°01'03.451"W	0.00	
14103.30†	90.000	179.366	10200.00	4029.45	-4029.31	33.56	638563.56	581499.52	32°35'53.513"N	104°01'03.441"W	0.00	
14203.30†	90.000	179.366	10200.00	4129.45	-4129.30	34.67	638564.67	581399.53	32°35'52.524"N	104°01'03.432"W	0.00	
14303.30†	90.000	179.366	10200.00	4229.45	-4229.30	35.77	638565.77	581299.55	32°35'51.534"N	104°01'03.422"W	0.00	
14403.30†	90.000	179.366	10200.00	4329.45	-4329.29	36.88	638566.88	581199.56	32°35'50.545"N	104°01'03.413"W	0.00	
14503.30†	90.000	179.366	10200.00	4429.45	-4429.29	37.99	638567.98	581099.58	32°35'49.555"N	104°01'03.403"W	0.00	
14548.64	90.000	179.366	10200.00 ¹	4474.79	-4474.62	38.49	638568.48	581054.24	32°35'49.107"N	104°01'03.399"W	0.00	No.1H Re-Entry PBHL



Planned Wellpath Report

Prelim_1
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Slot	No.1H Re-Entry
Area	Eddy County, NM	Well	No.1H Re-Entry
Field	(Burton) Sec 6, T20S, R30E	Wellbore	No.1H Re-Entry PWB
Facility	Burton 6 Fed No. 1H		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) No.1H Re-Entry PBHL	14548.64	10200.00	-4474.62	38.49	638568.48	581054.24	32°35'49.107"N	104°01'03.399"W	point

SURVEY PROGRAM - Ref Wellbore: No.1H Re-Entry PWB Ref Wellpath: Prelim_1				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8003.30	Generic gyro - northseeking (Standard)		No.1H Re-Entry AWB
8003.30	14548.64	NaviTrak (Standard)		No.1H Re-Entry PWB

Burton 6 Fed 1
30-015-38226
Cimarex Energy Co. of Colorado
January 12, 2012
Conditions of Approval

PRESSURE CONTROL

- A. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
 - B. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling the 4-3/4" hole shall be **5000 (5M) psi. 5M/10M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.**
-
- 1. Cement must come to the top of the 3-1/2 inch production liner.
 - 2. Surface disturbance beyond the originally approved pad must have prior approval.
 - 3. Closed loop system required.
 - 4. Completion report and subsequent sundry with well test and wellbore schematic required.

CRW 011212