

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

AUG 21 2008

OCD-ARTESIA

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.

OCD-ARTESIA

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Cimarex Energy Co. of Colorado

3a. Address

PO Box 140907; Irving, TX 75014-0907

3b. Phone No. (include area code)

972-401-3111

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

SHL 1880 FSL & 330 FEL 7-16S-29E

BHL 1980 FSL & 330 FWL

5. Lease Serial No.

SHL NM-109643 BHL State-owned

6. If Indian, Allottee or Tribe Name

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

Pending

8. Well Name and No.

Drumstick 7 Federal Com No. 3

9. API Well No.

30-015-36437

10. Field and Pool, or Exploratory Area

Ishee Lake; Abo

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☒ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Stop)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☒ ACCEPTED FOR RECORD

☐ Well Integrity

☐ Other

AUG 21 2008

Gerry Guye, Deputy Field Inspector
NMOCD District 7, ARTESIA

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 recompleat 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 recompleat 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 has changed its drilling and casing plans for the Drumstick 7 Federal Com No. 3 as shown below:

Old Plan

Surface: (17½" hole) 13¾" 48# H-40 STC to 340'
Intermediate: (12¼" hole) 9¾" 40# J-55 LTC to 2500'
Pilot Hole: (8¾" hole) 7" 26# P-110 LTC to 7350' (TOC 2300')
Lateral: (6¾" hole) 4½" 11.6# P-110 BTC from 6673' to 7173'
4½" 11.6# P-110 LTC from 7173' to 11014'
W/S Plug @ 6790, window from 6775'-6185, KOP 6780'
No cement for lateral - PEAK System

New Plan

Surface: No Change
Intermediate: No Change
Lateral: (7¾" hole) 5½" 17# P-110 BTC to 7080' (through curve)
(KOP 6648', EOC 7179'), *cement to 2200'
(4¾" hole) 3½" 9.3# P-110 Ultra FJ from Liner Hanger @
6648' to EOC @ 7179' EUE
X-over to 2¾" 6.5# P-110 LTC from 7179' to TD @ MD
10957' TVD 6881'
*Cement with Lead 2950 sx Interfill H + 0.1% HR-7 + 1# Pheno-seal (wt 11.7, yld 2.78) and Tail 155 sx Super H + 0.5% Halad-344 + 0.4% CFR-3 + 1# Salt + 3# Pheno-seal + 0.35% HR-7 (wt 13.2, yld 1.62)

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Natalie Krueger

Signature

Title

Regulatory Analyst

Date

August 13, 2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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.

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)

APPROVED

Date AUG 18 2008

WESLEY W. INGRAM
PETROLEUM ENGINEER



Planned Wellpath Report

Preliminary Plan #3

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co. of Colorado	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Drumstick) Sec. 7, T16S, R29E	Wellbore	No. 3H PWB
Facility	Drumstick 7 FED COM No. 3H		

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	0.999915	Report Generated	8/12/2008 at 1:04:14 PM
Convergence at slot	0.12° East	Database/Source file	WA_Midland/No. 3H_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	610863.30	703644.50	32°56'02.852"N	104°06'24.194"W
Facility Reference Pt			610863.30	703644.50	32°56'02.852"N	104°06'24.194"W
Field Reference Pt			610863.30	703644.50	32°56'02.852"N	104°06'24.194"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 3H SHL (RT) to Facility Vertical Datum	22.00ft
Horizontal Reference Pt	Facility Center	Rig on No. 3H SHL (RT) to Mean Sea Level	3690.00ft
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	271.30°



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Facility	Drumstick 7 FED COM No. 3H		

WELLPATH DATA (48 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00	0.000	271.304	0.00	0.00	0.00	0.00	0.00	Tie On
6648.00	0.000	271.304	6648.00	0.00	0.00	0.00	0.00	EST. KOP
6748.00†	18.000	271.304	6746.36	15.58	0.35	-15.58	18.00	
6848.00†	36.000	271.304	6835.10	60.79	1.38	-60.78	18.00	
6948.00†	54.000	271.304	6905.52	131.21	2.99	-131.18	18.00	
7048.00†	72.000	271.304	6950.73	219.95	5.01	-219.89	18.00	
7120.22	85.000	271.304	6965.10	290.57	6.61	-290.49	18.00	EOB 85° INC
7148.00†	87.972	271.304	6966.80	318.29	7.24	-318.21	10.70	
7179.10	91.300	271.304	6967.00	349.38	7.95	-349.29	10.70	EOC 91.3° INC
7248.00†	91.300	271.304	6965.44	418.27	9.52	-418.16	10.00	
7348.00†	91.300	271.304	6963.17	518.24	11.79	-518.11	0.00	
7448.00†	91.300	271.304	6960.90	618.22	14.07	-618.06	0.00	
7548.00†	91.300	271.304	6958.63	718.19	16.34	-718.00	0.00	
7648.00†	91.300	271.304	6956.36	818.16	18.62	-817.95	0.00	
7748.00†	91.300	271.304	6954.09	918.14	20.89	-917.90	0.00	
7848.00†	91.300	271.304	6951.83	1018.11	23.17	-1017.85	0.00	
7948.00†	91.300	271.304	6949.56	1118.09	25.44	-1117.80	0.00	
8048.00†	91.300	271.304	6947.29	1218.06	27.72	-1217.75	0.00	
8148.00†	91.300	271.304	6945.02	1318.04	30.00	-1317.69	0.00	
8248.00†	91.300	271.304	6942.75	1418.01	32.27	-1417.64	0.00	
8348.00†	91.300	271.304	6940.48	1517.98	34.55	-1517.59	0.00	
8448.00†	91.300	271.304	6938.22	1617.96	36.82	-1617.54	0.00	
8548.00†	91.300	271.304	6935.95	1717.93	39.10	-1717.49	0.00	
8648.00†	91.300	271.304	6933.68	1817.91	41.37	-1817.44	0.00	
8748.00†	91.300	271.304	6931.41	1917.88	43.65	-1917.38	0.00	
8848.00†	91.300	271.304	6929.14	2017.86	45.92	-2017.33	0.00	
8948.00†	91.300	271.304	6926.87	2117.83	48.20	-2117.28	0.00	
9048.00†	91.300	271.304	6924.60	2217.80	50.47	-2217.23	0.00	
9148.00†	91.300	271.304	6922.34	2317.78	52.75	-2317.18	0.00	
9248.00†	91.300	271.304	6920.07	2417.75	55.02	-2417.13	0.00	



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Field	(Drumstick) Sec. 7, T16S, R29E	Wellbore	No. 3H PWB
Facility	Drumstick 7 FED COM No. 3H		

WELLPATH DATA (48 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
9348.00†	91.300	271.304	6917.80	2517.73	57.30	-2517.07	0.00	
9448.00†	91.300	271.304	6915.53	2617.70	59.57	-2617.02	0.00	
9548.00†	91.300	271.304	6913.26	2717.68	61.85	-2716.97	0.00	
9648.00†	91.300	271.304	6910.99	2817.65	64.12	-2816.92	0.00	
9748.00†	91.300	271.304	6908.73	2917.62	66.40	-2916.87	0.00	
9848.00†	91.300	271.304	6906.46	3017.60	68.67	-3016.82	0.00	
9948.00†	91.300	271.304	6904.19	3117.57	70.95	-3116.76	0.00	
10048.00†	91.300	271.304	6901.92	3217.55	73.22	-3216.71	0.00	
10148.00†	91.300	271.304	6899.65	3317.52	75.50	-3316.66	0.00	
10248.00†	91.300	271.304	6897.38	3417.50	77.77	-3416.61	0.00	
10348.00†	91.300	271.304	6895.12	3517.47	80.05	-3516.56	0.00	
10448.00†	91.300	271.304	6892.85	3617.44	82.32	-3616.51	0.00	
10548.00†	91.300	271.304	6890.58	3717.42	84.60	-3716.46	0.00	
10648.00†	91.300	271.304	6888.31	3817.39	86.87	-3816.40	0.00	
10748.00†	91.300	271.304	6886.04	3917.37	89.15	-3916.35	0.00	
10848.00†	91.300	271.304	6883.77	4017.34	91.42	-4016.30	0.00	
10948.00†	91.300	271.304	6881.51	4117.32	93.70	-4116.25	0.00	
10957.08	91.300	271.304	6881.30	4126.39	93.91	-4125.32	0.00	No. 3H BHL

HOLE & CASING SECTIONS Ref Wellbore: No. 3H PWB Ref Wellpath: Preliminary Plan #3

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]
7.875in Open Hole	0.00	7120.22	7120.22	0.00	6965.10	0.00	0.00	6.61	-290.49
5.5in Casing	0.00	7120.22	7120.22	0.00	6965.10	0.00	0.00	6.61	-290.49
4.75in Open Hole	7120.22	10957.08	3836.86	6965.10	NA	6.61	-290.49	NA	NA



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Facility	Drumstick 7 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
1) No. 3H BHL	10957.08	6881.30	93.91	-4125.32	606738.34	703738.40	32°56'03.866"N	104°07'12.593"W	point

SURVEY PROGRAM Ref Wellbore: No. 3H PWB Ref Wellpath: Preliminary Plan #3

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
22.00	10957.08	NaviTrak (Standard)		No. 3H PWB



Cimarex Energy Co. of Colorado

Location: Eddy County, NM
Field: (Drumstick) Sec. 7, T16S, R29E
Facility: Drumstick 7 FED COM No. 3H

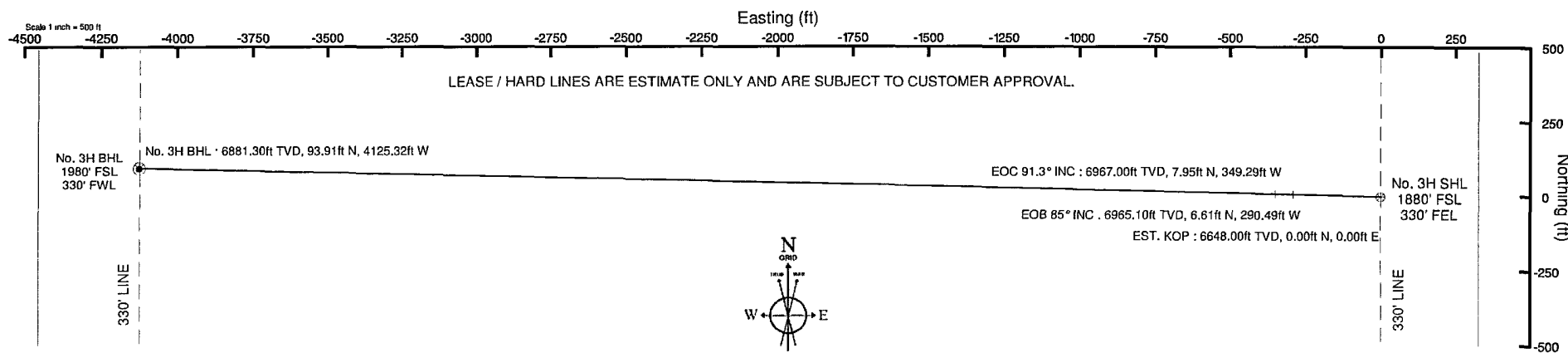
Slot: No. 3H SHL
Well: No. 3H
Wellbore: No. 3H PWB



INTEQ

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (%/100ft)	VS (ft)
Tie On	0.00	0.000	271.304	0.00	0.00	0.00	0.00	0.00
EST. KOP	6648.00	0.000	271.304	6648.00	0.00	0.00	0.00	0.00
EOB 85° INC	7120.22	85.000	271.304	6965.10	6.61	-290.49	18.00	290.57
EOC 91.3° INC	7179.10	91.300	271.304	6967.00	7.95	-349.29	10.70	349.38
No. 3H BHL	10957.08	91.300	271.304	6881.30	93.91	-4125.32	0.00	4126.39



NGGM (1945 to 2009.0) Dp 60 83° Field 49502.3 nT
Magnetic North is 8.29 degrees East of True North (at 6/25/2008)
Grid North is 0.12 degrees East of True North
To correct azimuth from True to Grid subtract 0.12 degrees
To correct azimuth from Magnetic to Grid add 8.17 degrees
For example if the Magnetic North Azimuth = 90 degrees then the Grid North Azimuth = 90 + 8.17 = 98.17

Plot reference wellpath is Preliminary Plan #3	
True vertical depths are referenced to Rig on No. 3H SHL (RT)	Grid System: NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No. 3H SHL (RT)	North Reference: Grid north
Rig on No. 3H SHL (RT) to Mean Sea Level 3686 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: Drumstick 7 FED COM No. 3H) -3688 feet	Depths are in feet
Coordinates are in feet referenced to Facility Center	Created by: Victor Hernandez on 8/12/2008

