

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

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

5 Lease Serial No.

~~NM-0560353~~ **BHL**
LC063613

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No

Crescent Hale 1 Federal Com No. 1

9 API Well No.

30-015-37652

10 Field and Pool, or Exploratory Area

Undesignated Bone Spring

11 County or Parish, State

Eddy County, NM

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

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 330 FNL & 330 FWL 1-19S-30E
BHL 330 FSL & 660 FWL

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 **Sidetrack around**

☐ Change Plans

☐ Plug and Abandon

☐ Temporarily Abandon

fish @ 7876'

☐ 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 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.)

08.23.10 Lost 15 jts of drill pipe at 7952' in 8 3/4" hole.

08.25.10 Retrieved some of fish, but some remains in hole. Top of fish @ 7876.' Cemented with 300' 16.5# Class H cement plug (30 bbls).

Equipment left in hole: Bit, Motor, Reamer, Drill Collar, Teledrift, Reamer.

Cement plug from 7407' - 7870'. Plan to dress plug off to ~7700' and kick off from there for sidetrack. Propose to sidetrack around fish and drill to TD and set 7" and fiberglass as proposed in APD. TD changed from 8950' to 8952' as shown in attached preliminary directional survey. All other casing and cementing aspects are identical to permitted plans.

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

Name (Printed/Typed)

Natalie Krueger

Signature

Title

Regulatory

Date

August 26, 2010

RECEIVED

SEP 29 2010

NMOCD ARTESIA

ACCEPTED FOR RECORD

Approved by

Title

Date

SEP 26 2010

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

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)

**BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE**



Cimarex Energy Co.

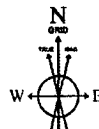
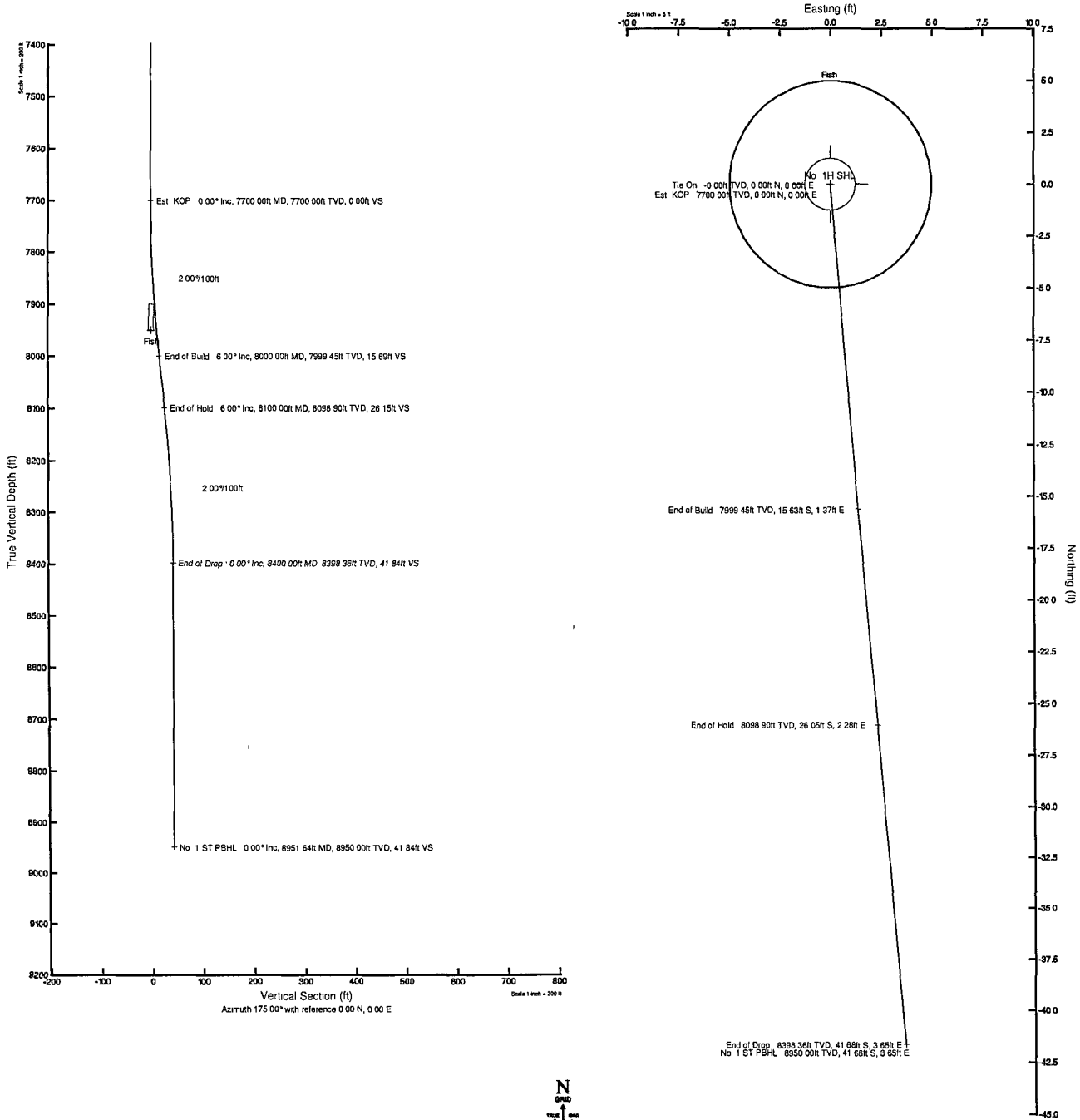
Location Eddy County, NM
Field (Crescent) Sec 1, T19S, R30E
Facility Crescent Hale 1 Fed Corn No 1H

Slot No 1H SHL
Well No 1H
Wellbore No 1 ST 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	175 000	0 00	0 00	0 00	0 00	0 00
Est KOP	7700 00	0 000	175 000	7700 00	0 00	0 00	0 00	0 00
End of Build	8000 00	6 000	175 000	7999 45	-15 63	1 37	2 00	15 69
End of Hold	8100 00	6 000	175 000	8098 90	-26 05	2 28	0 00	26 15
End of Drop	8400 00	0 000	175 000	8398 36	-41 68	3 65	2 00	41 84
No 1 ST PBHL	8951 64	0 000	175 000	8950 00	-41 68	3 65	0 00	41 84



800M (1945 to 2011) Dip 60 63° Field 49027 5mT
Magnetic North is 7 95 degrees East of True North (at 6/3/2010)
Grid North is 0 22 degrees East of True North
To correct azimuth from True to Grid subtract 0 22 degrees
To correct azimuth from Magnetic to Grid add 7 74 degrees
For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7 74 = 97 74

Plot reference wellpath is Prelim_1	Grid System NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet
True vertical depths are referenced to Rig on No 1H SHL (GL)	North Reference Grid north
Measured depths are referenced to Rig on No 1H SHL (GL)	Scale True distance
Rig on No 1H SHL (GL) to Mean Sea Level, 3515 feet	Depths are in feet
Mean Sea Level to Mud line (Facility Crescent Hale 1 Fed Corn No 1H) -3515 feet	Created by Roland Flores on 8/26/2010
Coordinates are in feet referenced to SL	



Planned Wellpath Report

Prelim_1
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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Crescent) Sec 1, T19S, R30E	Wellbore	No. 1 ST PWB
Facility	Crescent Hale 1 Fed 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	Roland Flores
Scale	0.999926	Report Generated	8/26/2010 at 4:13:14 PM
Convergence at slot	0.22° East	Database/Source file	WellArchitectDB/No. 1_ST_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	664493.70	617076.00	32°41'44.685"N	103°55'58.760"W
Facility Reference Pt			664493.70	617076.00	32°41'44.685"N	103°55'58.760"W
Field Reference Pt			664708.10	613101.90	32°41'05.353"N	103°55'56.426"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 1H SHL (GL) to GL	0.00ft
Horizontal Reference Pt	SL	Rig on No. 1H SHL (GL) to Mean Sea Level	3515.00ft
Vertical Reference Pt	Rig on No. 1H SHL (GL)	GL to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 1H SHL (GL)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	175.00°



Planned Wellpath Report

Prelim_1

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
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Area	Eddy County, NM	Well	No. 1H
Field	(Crescent) Sec 1, T19S, R30E	Wellbore	No. 1 ST PWB
Facility	Crescent Hale 1 Fed Com No. 1H		

WELLPATH DATA (15 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	DLS [°/100ft]	Comments
0.00	0.000	175.000	0.00	0.00	0.00	0.00	664493.70	617076.00	32°41'44.685"N	103°55'58.760"W	0.00	Tie On
7700.00	0.000	175.000	7700.00	0.00	0.00	0.00	664493.70	617076.00	32°41'44.685"N	103°55'58.760"W	0.00	Est. KOP
7800.00†	2.000	175.000	7799.98	1.75	-1.74	0.15	664493.85	617074.26	32°41'44.668"N	103°55'58.758"W	2.00	
7900.00†	4.000	175.000	7899.84	6.98	-6.95	0.61	664494.31	617069.05	32°41'44.616"N	103°55'58.753"W	2.00	
8000.00†	6.000	175.000	7999.45	-15.69	-15.63	1.37	664495.07	617060.37	32°41'44.530"N	103°55'58.744"W	2.00	End of Build
8100.00	6.000	175.000	8098.90	26.15	-26.05	2.28	664495.98	617049.96	32°41'44.427"N	103°55'58.734"W	0.00	End of Hold
8200.00†	4.000	175.000	8198.52	34.86	-34.73	3.04	664496.74	617041.27	32°41'44.341"N	103°55'58.726"W	2.00	
8300.00†	2.000	175.000	8298.38	40.09	-39.94	3.49	664497.19	617036.06	32°41'44.289"N	103°55'58.720"W	2.00	
8400.00	0.000	175.000	8398.36	41.84	-41.68	3.65	664497.35	617034.32	32°41'44.272"N	103°55'58.719"W	2.00	End of Drop
8500.00†	0.000	175.000	8498.36	41.84	-41.68	3.65	664497.35	617034.32	32°41'44.272"N	103°55'58.719"W	0.00	
8600.00†	0.000	175.000	8598.36	41.84	-41.68	3.65	664497.35	617034.32	32°41'44.272"N	103°55'58.719"W	0.00	
8700.00†	0.000	175.000	8698.36	41.84	-41.68	3.65	664497.35	617034.32	32°41'44.272"N	103°55'58.719"W	0.00	
8800.00†	0.000	175.000	8798.36	41.84	-41.68	3.65	664497.35	617034.32	32°41'44.272"N	103°55'58.719"W	0.00	
8900.00†	0.000	175.000	8898.36	41.84	-41.68	3.65	664497.35	617034.32	32°41'44.272"N	103°55'58.719"W	0.00	
8951.64	0.000	175.000	8950.00	41.84	-41.68	3.65	664497.35	617034.32	32°41'44.272"N	103°55'58.719"W	0.00	No. 1-ST PBHL

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
Fish		7950.00	0.00	0.00	664493.70	617076.00	32°41'44.685"N	103°55'58.760"W	circle

SURVEY PROGRAM Ref Wellbore: No. 1 ST PWB Ref Wellpath: Prelim_1				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8951.64	NaviTrak (Standard)		No. 1 ST PWB