

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0135
Expires July 31, 1996

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	JAN 28 2008	5. Lease Serial No. LC-061622
2. Name of Operator Cimarex Energy Co. of Colorado	OCD-ARTESIA	6. If Indian, Allottee or Tribe Name
3a. Address PO Box 140907; Irving, TX 75014-0907	3b. Phone No. (include area code) 972-401-3111	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL 1980' FSL & 330' FWL, BHL 1980' FSL & 330' FEL 1-16S-29E		8. Well Name and No. County Line 1 Federal No. 1
		9. API Well No. 30-015-35933
		10. Field and Pool, or Exploratory Area County Line Tank; 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	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 recompletable 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 recompletable 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 casing and cementing plans for the County Line 1 Federal No. 1 as follows:

Surface: Same as permitted

Intermediate: in 12-1/4" hole, run 2500' 9-5/8" 40# J/K55 LTC. Drill with 10.0 ppg brine water.

Lead: 415 sks Interfill C + 0.125 lb/sk Poly-E-Flake (wt 11.9, yld 2.45)

Tail: 215 sks Premium Plus + 1% CaCl (wt 14.8, yld 1.33)

TOC @ surface

Production (Pilot Hole): In 8-3/4" hole, run 7600' 7" 26# P-110 LTC. Drill with 8.4-9.5 ppg FW/Brine.

610 sks Super H + 0.5% Halad-344 + 0.4% CFR-3 + 1lbm/sk salt + 5 lb/sk Gilsonite + 0.125 lb/sk Poly-E-Flake + 0.35% HR-7
(wt 13.0, yld 1.67)

TOC @ 2300'

Set Whipstock @ 7138.' Top of window @ 7140.' Bottom of window @ 7150.' KOP @ 7160.' CIBP @ 7155.'

Liner: In 6-1/8" hole, run 4-1/2" 11.6# P-110 LTC (500' BTC) to approximately 11650.' Drill with 2% KCL.

Peak Systems Iso-Pack liner, no cement needed.

Revised preliminary directional survey will be submitted as soon as it is received.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Natalie Krueger

Signature

Title

Reg Analyst

Date

January 11, 2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

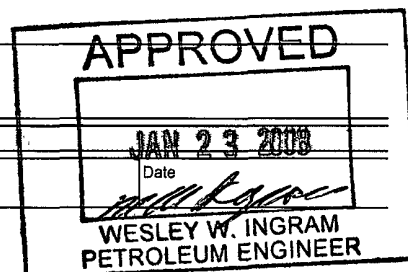
Title

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)



Cimarex Energy Company

HALLIBURTON

Sperry Drilling Services

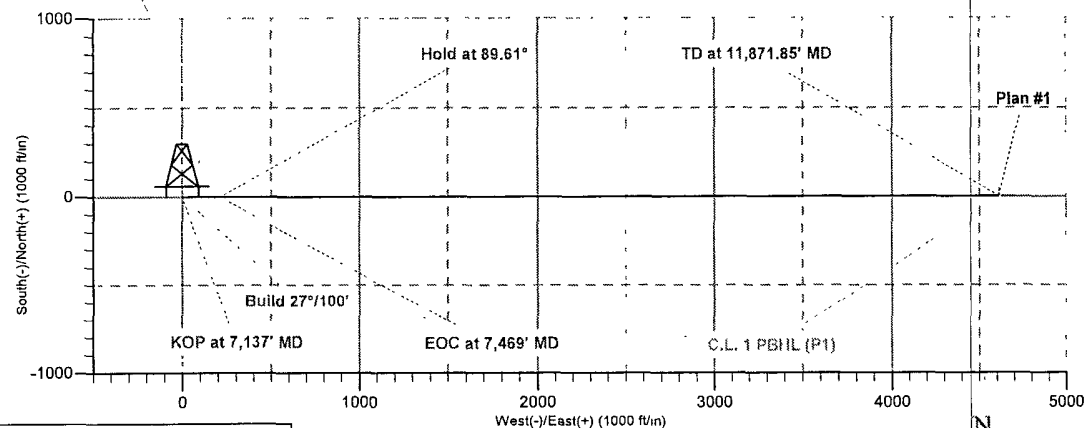
Project: Eddy County, NM
Site: County Line "1" Federal
Well: #1
Wellbore: Wellbore #1
Plan: Plan #1 (#1/Wellbore #1)
Rig: Patriot 4



US State Plane 1983
New Mexico Eastern Zone
Elevation: 3,735' GL + 00' KB @ 3735.00ft (Patriot 4)
Northing 709063.90 Easting 632622.03 Latitude 32° 56' 55.940 N Longitude 104° 2' 8.703 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
7137.80	0.00	0.00	7137.80	0.00	0.00	0.00	0.00	0.00	EOC
7469.69	89.61	89.94	7350.00	0.21	210.76	27.00	89.94	210.76	TD
11871.85	89.61	89.94	7380.00	4.67	4612.82	0.00	0.00	4612.82	

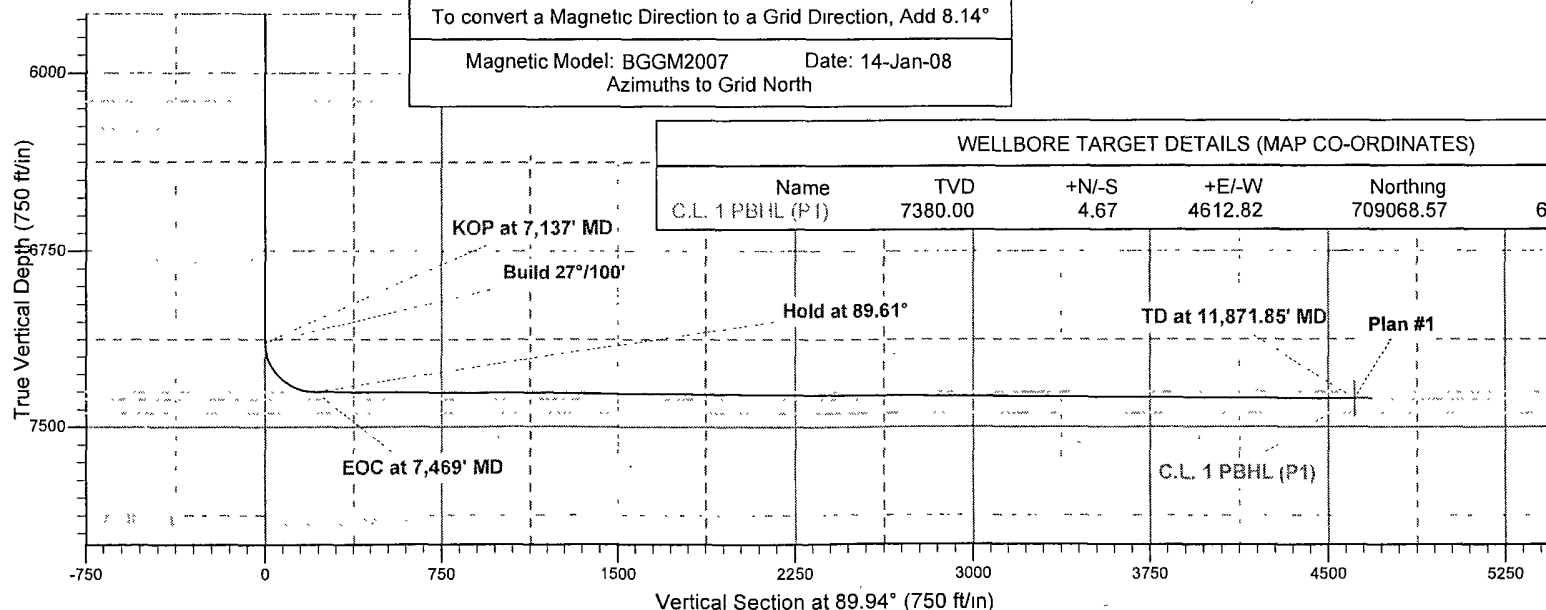


To convert a Magnetic Direction to a Grid Direction, Add 8.14°

Magnetic Model: BGGM2007 Date: 14-Jan-08
Azimuths to Grid North

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
C.L. 1 PBHL (P1)	7380.00	4.67	4612.82	709068.57	637234.85	



Cimarex Energy Company

Eddy County, NM
County Line "1" Federal
#1

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

15 January, 2008

Well Coordinates: 709,063 90 N, 632,622.03 E (32° 56' 55 94" N, 104° 02' 08.70" W)
Ground Level. 3,735.00 ft

Local Coordinate Origin:	Centered on Well #1
Viewing Datum:	3,735' GL + 00' KB @ 3735 00ft (Patriot 4)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - U.S. Survey Feet

Version: 2003.16 Build: 42B

HALLIBURTON

HALLIBURTON**Plan Report for #1 - Plan #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

HALLIBURTON

Plan Report for #1 - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,137.80	0.00	0.00	7,137.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP at 7,137' MD - Build 27°/100'										
7,200.00	16.79	89.94	7,199.11	0.01	9.05	9.05	27.00	27.00	0.00	89.94
7,300.00	43.79	89.94	7,284.66	0.06	59.03	59.03	27.00	27.00	0.00	0.00
7,400.00	70.79	89.94	7,338.19	0.14	142.40	142.40	27.00	27.00	0.00	0.00
7,469.69	89.61	89.94	7,350.00	0.21	210.76	210.76	27.00	27.00	0.00	0.00
EOC at 7,469' MD - Hold at 89.61°										
7,500.00	89.61	89.94	7,350.21	0.24	241.07	241.07	0.00	0.00	0.00	0.00
7,600.00	89.61	89.94	7,350.89	0.35	341.07	341.07	0.00	0.00	0.00	0.00
7,700.00	89.61	89.94	7,351.57	0.45	441.07	441.07	0.00	0.00	0.00	0.00
7,800.00	89.61	89.94	7,352.25	0.55	541.07	541.07	0.00	0.00	0.00	0.00
7,900.00	89.61	89.94	7,352.93	0.65	641.06	641.06	0.00	0.00	0.00	0.00
8,000.00	89.61	89.94	7,353.61	0.75	741.06	741.06	0.00	0.00	0.00	0.00
8,100.00	89.61	89.94	7,354.30	0.85	841.06	841.06	0.00	0.00	0.00	0.00
8,200.00	89.61	89.94	7,354.98	0.95	941.06	941.06	0.00	0.00	0.00	0.00
8,300.00	89.61	89.94	7,355.66	1.05	1,041.05	1,041.06	0.00	0.00	0.00	0.00
8,400.00	89.61	89.94	7,356.34	1.16	1,141.05	1,141.05	0.00	0.00	0.00	0.00
8,500.00	89.61	89.94	7,357.02	1.26	1,241.05	1,241.05	0.00	0.00	0.00	0.00
8,600.00	89.61	89.94	7,357.70	1.36	1,341.05	1,341.05	0.00	0.00	0.00	0.00
8,700.00	89.61	89.94	7,358.38	1.46	1,441.05	1,441.05	0.00	0.00	0.00	0.00
8,800.00	89.61	89.94	7,359.07	1.56	1,541.04	1,541.04	0.00	0.00	0.00	0.00
8,900.00	89.61	89.94	7,359.75	1.66	1,641.04	1,641.04	0.00	0.00	0.00	0.00
9,000.00	89.61	89.94	7,360.43	1.76	1,741.04	1,741.04	0.00	0.00	0.00	0.00
9,100.00	89.61	89.94	7,361.11	1.87	1,841.04	1,841.04	0.00	0.00	0.00	0.00
9,200.00	89.61	89.94	7,361.79	1.97	1,941.03	1,941.03	0.00	0.00	0.00	0.00
9,300.00	89.61	89.94	7,362.47	2.07	2,041.03	2,041.03	0.00	0.00	0.00	0.00
9,400.00	89.61	89.94	7,363.15	2.17	2,141.03	2,141.03	0.00	0.00	0.00	0.00
9,500.00	89.61	89.94	7,363.84	2.27	2,241.03	2,241.03	0.00	0.00	0.00	0.00
9,600.00	89.61	89.94	7,364.52	2.37	2,341.02	2,341.03	0.00	0.00	0.00	0.00
9,700.00	89.61	89.94	7,365.20	2.47	2,441.02	2,441.02	0.00	0.00	0.00	0.00
9,800.00	89.61	89.94	7,365.88	2.57	2,541.02	2,541.02	0.00	0.00	0.00	0.00
9,900.00	89.61	89.94	7,366.56	2.68	2,641.02	2,641.02	0.00	0.00	0.00	0.00
10,000.00	89.61	89.94	7,367.24	2.78	2,741.01	2,741.02	0.00	0.00	0.00	0.00
10,100.00	89.61	89.94	7,367.93	2.88	2,841.01	2,841.01	0.00	0.00	0.00	0.00
10,200.00	89.61	89.94	7,368.61	2.98	2,941.01	2,941.01	0.00	0.00	0.00	0.00
10,300.00	89.61	89.94	7,369.29	3.08	3,041.01	3,041.01	0.00	0.00	0.00	0.00
10,400.00	89.61	89.94	7,369.97	3.18	3,141.00	3,141.01	0.00	0.00	0.00	0.00
10,500.00	89.61	89.94	7,370.65	3.28	3,241.00	3,241.00	0.00	0.00	0.00	0.00
10,600.00	89.61	89.94	7,371.33	3.38	3,341.00	3,341.00	0.00	0.00	0.00	0.00
10,700.00	89.61	89.94	7,372.01	3.49	3,441.00	3,441.00	0.00	0.00	0.00	0.00
10,800.00	89.61	89.94	7,372.70	3.59	3,541.00	3,541.00	0.00	0.00	0.00	0.00
10,900.00	89.61	89.94	7,373.38	3.69	3,640.99	3,640.99	0.00	0.00	0.00	0.00
11,000.00	89.61	89.94	7,374.06	3.79	3,740.99	3,740.99	0.00	0.00	0.00	0.00
11,100.00	89.61	89.94	7,374.74	3.89	3,840.99	3,840.99	0.00	0.00	0.00	0.00
11,200.00	89.61	89.94	7,375.42	3.99	3,940.99	3,940.99	0.00	0.00	0.00	0.00
11,300.00	89.61	89.94	7,376.10	4.09	4,040.98	4,040.99	0.00	0.00	0.00	0.00

HALLIBURTON**Plan Report for #1 - Plan #1**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
11,400.00	89.61	89.94	7,376.78	4.20	4,140.98	4,140.98	0.00	0.00	0.00	0.00
11,500.00	89.61	89.94	7,377.47	4.30	4,240.98	4,240.98	0.00	0.00	0.00	0.00
11,600.00	89.61	89.94	7,378.15	4.40	4,340.98	4,340.98	0.00	0.00	0.00	0.00
11,700.00	89.61	89.94	7,378.83	4.50	4,440.97	4,440.98	0.00	0.00	0.00	0.00
11,800.00	89.61	89.94	7,379.51	4.60	4,540.97	4,540.97	0.00	0.00	0.00	0.00
11,871.85	89.61	89.94	7,380.00	4.67	4,612.82	4,612.82	0.00	0.00	0.00	0.00
TD at 11,871.85' MD										

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
7,137.80	7,137.80	0.00	0.00	KOP at 7,137' MD
7,137.80	7,137.80	0.00	0.00	Build 27°/100'
7,469.69	7,350.00	0.21	210.76	EOC at 7,469' MD
7,469.69	7,350.00	0.21	210.76	Hold at 89.61°
11,871.85	7,380.00	4.67	4,612.82	TD at 11,871.85' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
Target	C.L. 1 PBHL (P1)	89.94	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	11,871.80	Plan #1	MWD

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	7,380.00	Lower Abo Target		0.00	
	7,440.00	Wolfcamp		0.00	
6,120.00	6,120.00	Abo Shale		0.00	
7,469.64	7,350.00	Lower Abo Dolomite		0.00	

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
C.L. 1 PBHL (P1)	7,380.00	4.67	4,612.82	Point

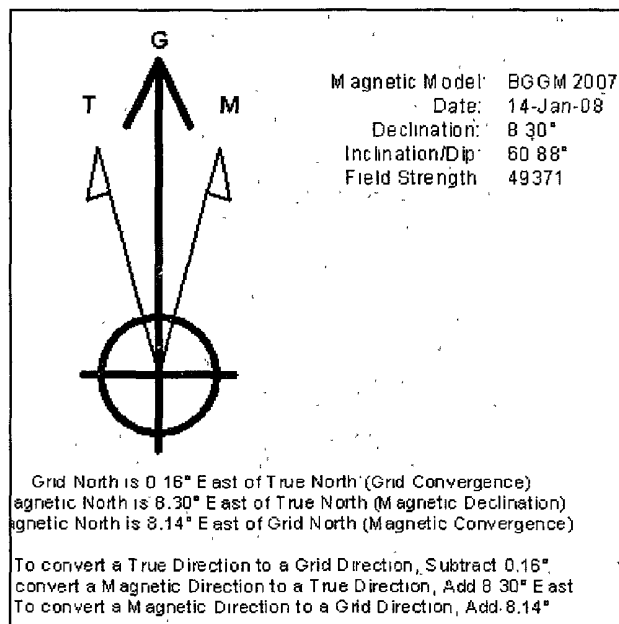
North Reference Sheet for County Line "1" Federal - #1 - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.
Vertical Depths are relative to 3,735' GL + 00' KB @ 3735.00ft (Patriot 4). Northing and Easting are relative to #1
Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)
Central Meridian is -104.33°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 0° 0' 0.000 N°
False Easting: 541,337.50ft, False Northing: 0.00ft, Scale Reduction: 0.99991863

Grid Coordinates of Well: 709,063.90 ft N, 632,622.03 ft E
Geographical Coordinates of Well: 32° 56' 55.94" N, 104° 02' 08.70" W
Grid Convergence at Surface is: 0.16°

Based upon Minimum Curvature type calculations, at a Measured Depth of 11,871.85ft
the Bottom Hole Displacement is 4,612.82ft in the Direction of 89.94° (Grid).
Magnetic Convergence at surface is: -8.14° (14 January 2008, BGGM2007)



**County Line 1 Federal #1
Cimarex Energy Co. of Colorado
January 22, 2008
Casing Alteration
Conditions of Approval**

- 1. Intermediate casing has already been set prior to approval and lead cement appeared to be too light for conditions. Casing and cement calculations indicate that casing and cement are adequate. Other wells in the area have used 12.5 ppg. WOC times for all slurries used when cementing are to be provided to the inspector.**
- 2. Based on information from rig, the cement top on the production casing will remain at a minimum of 200' tie back. WOC times for slurry used when cementing are to be provided to the inspector.**
- 3. Pilot hole will require a 170' plug at the bottom of hole and must be tagged.**
- 4. CIBP set at 7142' needs to be moved deeper as cement is required on top of the CIBP; 35' if bailed, 25 sacks if pumped.**
- 5. Seal on Peak Systems Iso-Pack liner is to be tested per Onshore Oil and Gas Order 2.III.B.1.b. Please call BLM for witness of seal test.**

WWI 012308



DRILLING PROGNOSIS

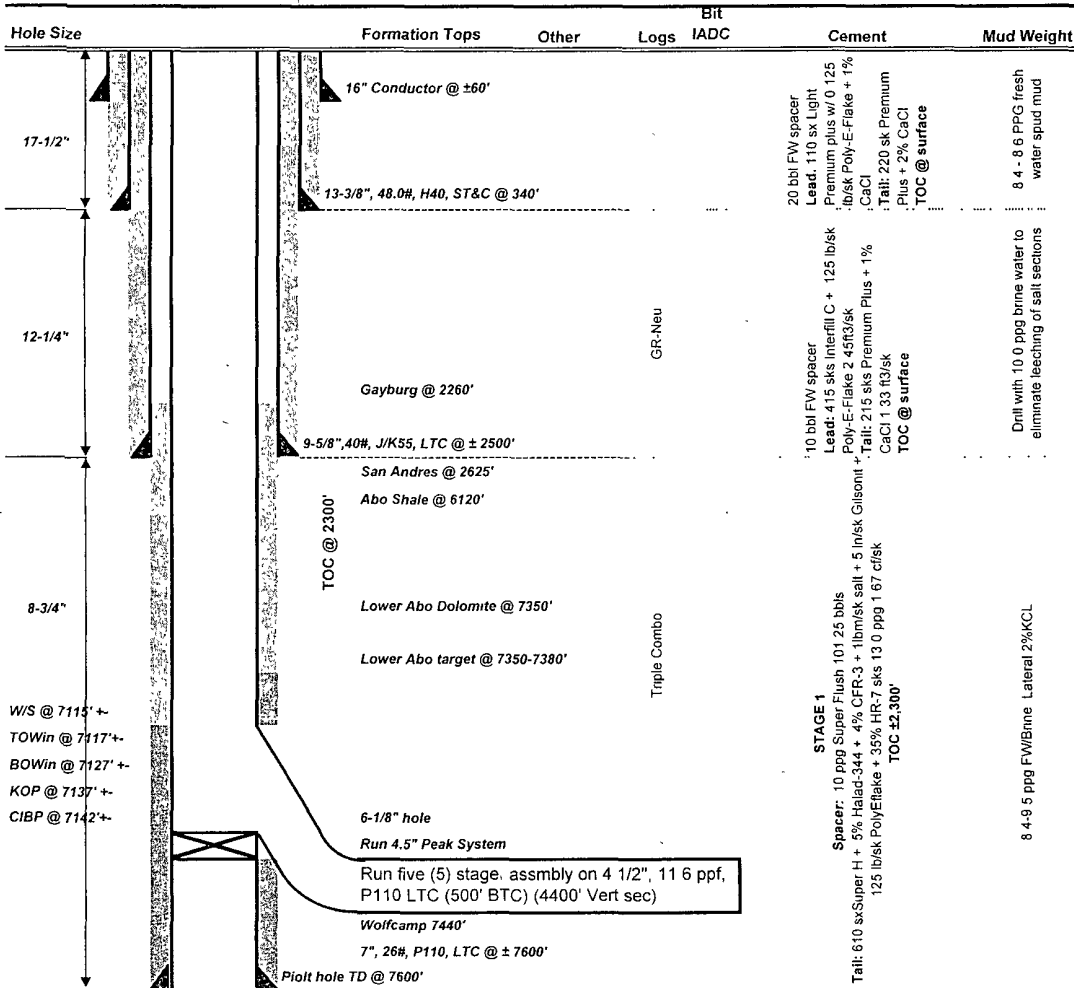
Cimarex Energy Company

1/11/2008

Well: County Line Fed Com #1
Location: 1-16S-29E
County, State: Eddy County, NM
Surface Location: 1980 FSL, 330 FWL
Bottomhole Loc: 1980' FSL 330 FEL
E-Mail:
Wellhead:

Lse Serial #:
Field:
Objective:
TVD/MD: 7600 / 11653
Cementing: Halliburton
Mud: MI
Motors:
OH Logs: Halliburton
Rig: Pat 4
Offset Wells:

Xmas Tree
Tubing: 2 7/8" L80 EUE
Superintendent: Dee Smith
Engineer: Mark Audas



NOTES:

Install wellhead on 13-3/8" and NU BOP. Test this installation to 1000 psi w/ rig pump. Then after setting 9-5/8" in slips and installing the csg spool, NU BOP (5M) w/ rotating head and test BOP to 5M w/ test unit. Test casing.
Cement volumes for surface csg include a 100% excess in the open hole section. If drilling conditions deem necessary, fluid caliper hole and adjust volumes.
Cement volumes for intermediate csg include a 70% excess in the open hole section. If drilling conditions deem necessary, fluid caliper hole and adjust volumes.
Cement volumes for production csg include a 25% excess in the open hole section. Adjust volumes after caliper + 25% excess.

ALL INVOICES ARE TO SHOW **CIMAREX ENERGY** AS OPERATOR AND USE CIMAREX ACCOUNTING CODES.