

NM OIL CONSERVATION

ARTESIAN DISTRICT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 15 2015

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM117555
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. CHIMAY 6 FEDERAL COM 26H
2. Name of Operator COG OPERATING LLC Contact: KELLY J HOLLY E-Mail: kholly@concho.com		9. API Well No. 30-015-41585-00-X1
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432.685.4384	10. Field and Pool, or Exploratory LOCO HILLS
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T17S R30E Lot 6 1963FSL 327FWL 32.861553 N Lat, 104.018083 W Lon		11. County or Parish, and 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	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete 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 recompletion 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.)

COG Operating LLC respectfully requests permission to change the TVD of this well as follows:

FROM: 5430' TVD; 9818' MD; EOC: 5500' TVD
TO: 5030' TVD; 9419' MD; EOC: 5100' TVD

A revised directional plan is attached for your review.

Note: this well is close to expiring.*Original COAs still stand*

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

Electronic Submission #303368 verified by the BLM Well Information System

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by JENNIFER SANCHEZ on 06/05/2015 (15JAS0366SE)

Name (Printed/Typed) KELLY J HOLLY

Title PERMITTING TECH

Signature (Electronic Submission)

Date 05/29/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE
JUN 15 2015

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **



COG Operating LLC

Eddy County, NM

Chimay 6 Federal Com #26H

SHL: 1963' FSL, 327' FWL, Sec 6, T17S, R30E, Lot 6

PP: 1963' FSL, 330' FWL, Sec 6, T17S, R30E, Lot 6

BHL: 1646' FSL, 330' FEL, Sec 6, T17S, R30E, Unit I

Plan: Plan #1

Standard Planning Report

28 May, 2015





TDS
Planning Report



Database:	EDM 5000.1 Single User Db	Local Coordinates:	Site Chimay 6 Federal Com	#26H
Company:	COG Operating LLC	North Reference:	KB @ 3695.0usft (United 43)	
City:	Eddy County, NM	Grid Reference:	KB @ 3695.0usft (United 43)	
State:	Chimay 6 Federal Com	North Reference:	Grid	
Well:	SHL: 1963' FSL, 327' FWL, Sec 6, T17S, R30E, Lot 6	Survey Coordinates:	Minimum Curvature	
Unit:	BHL: 1646' FSL, 330' FEL, Sec 6, T17S, R30E, Unit I			
Plan:	Plan #1			

Project:	Eddy County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Chimay 6 Federal Com	#26H		
Site Position:		Northings:	677,288.90 usft	Latitude: 32° 51' 41.592 N
From:	Map	Easting:	596,801.30 usft	Longitude: 104° 1' 5.099 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence: 0.17°

Well:	SHL: 1963' FSL, 327' FWL, Sec 6, T17S, R30E, Lot 6				
Well Position	+N-S	0.0 usft	Northings:	677,288.90 usft	Latitude: 32° 51' 41.592 N
	+E-W	0.0 usft	Easting:	596,801.30 usft	Longitude: 104° 1' 5.099 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,683.0 usft

Well:	BHL: 1646' FSL, 330' FEL, Sec 6, T17S, R30E, Unit I			
-------	---	--	--	--

Parameter	Sample Date	Declination	Dip Angle	Flow Direction
IGRF2010	5/18/2015	7.36	60.60	48,556

Plan:	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Length (ft)	Depth (ft)	Angle (deg)	Direction	
0.0	0.0	0.0	93.65	

Depth (ft)	Angle (deg)	Direction	Length (ft)	Angle (deg)	Direction	Length (ft)	Angle (deg)	Direction	Length (ft)
0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.00	0.00
4,579.2	0.00	0.00	4,579.2	0.0	0.0	0.00	0.00	0.00	0.00
5,406.5	91.00	93.65	5,100.0	-33.8	528.9	11.00	11.00	11.32	93.65
9,418.5	91.00	93.65	5,030.0	-289.3	4,532.2	0.00	0.00	0.00	0.00 PBHL (C6FC #26H/O



TDS
Planning Report



EDM 5000.1 Single User Db	Local Operating System	Site Chimay 6 Federal Com	#26H
COG Operating LLC	TVD Kestrel	KB @ 3695.0usft (United 43)	
Eddy County, NM	RD 5, Section 1	KB @ 3695.0usft (United 43)	
Chimay 6 Federal Com	North of Chimay	Grid	
#26H	Survey of Chimay 6 Federal Com	Minimum Curvature	
SHL: 1963' FSL, 327' FWL, Sec 6, T17S,			
R30E, Lot 6			
BHL: 1846' FSL, 330' FEL, Sec 6, T17S,			
R30E, Unit I			
Plan #1			

0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,579.2	0.00	0.00	4,579.2	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start DLS 11.00 TFO 93.65									
4,600.0	2.29	93.65	4,600.0	0.0	0.4	0.4	11.00	11.00	0.00
4,650.0	7.79	93.65	4,649.8	-0.3	4.8	4.8	11.00	11.00	0.00
4,700.0	13.29	93.65	4,698.9	-0.9	13.9	13.9	11.00	11.00	0.00
4,750.0	18.79	93.65	4,747.0	-1.8	27.7	27.8	11.00	11.00	0.00



TDS
Planning Report



EDM 5000.1 Single User Db	Local Government	Site Chimay 6 Federal Com	#26H
COG Operating LLC	YU	KB @ 3695.0usft (United 43)	
Eddy County, NM	RD	KB @ 3695.0usft (United 43)	
Chimay 6 Federal Com	North	Grid	
SHL: 1963' FSL, 327' FWL, Sec 6, T17S,	Spring Creek	Minimum Curvature	
R30E, Lot 6			
BHL: 1846' FSL, 330' FEL, Sec 6, T17S,			
R30E, Unit 1			
Plan #1			

Station	Elev (ft)	Curve	Point	Delta	Angle	Dist	Dist	Dist	Dist	Dist
4,800.0	24.29	93.65	4,793.4	-2.9	46.0	46.1	11.00	11.00	0.00	
4,850.0	29.79	93.65	4,838.0	-4.4	68.7	68.8	11.00	11.00	0.00	
4,900.0	35.29	93.65	4,880.1	-6.1	95.5	95.7	11.00	11.00	0.00	
4,950.0	40.79	93.65	4,919.5	-8.1	126.2	126.5	11.00	11.00	0.00	
5,000.0	46.29	93.65	4,955.7	-10.3	160.6	160.9	11.00	11.00	0.00	
5,050.0	51.79	93.65	4,988.5	-12.7	198.3	198.7	11.00	11.00	0.00	
5,100.0	57.29	93.65	5,017.5	-15.2	238.9	239.4	11.00	11.00	0.00	
5,150.0	62.79	93.65	5,042.4	-18.0	282.1	282.7	11.00	11.00	0.00	
5,200.0	68.29	93.65	5,063.1	-20.9	327.5	328.2	11.00	11.00	0.00	
5,250.0	73.79	93.65	5,079.4	-23.9	374.7	375.4	11.00	11.00	0.00	
5,300.0	79.29	93.65	5,091.0	-27.0	423.2	424.1	11.00	11.00	0.00	
5,350.0	84.79	93.65	5,097.9	-30.2	472.6	473.6	11.00	11.00	0.00	
5,400.0	90.29	93.65	5,100.1	-33.3	522.4	523.5	11.00	11.00	0.00	
5,406.5	91.00	93.65	5,100.0	-33.8	528.9	530.0	11.00	11.00	0.00	
EOC - Start 4012.1 hold at 5406.5 MD										
5,500.0	91.00	93.65	5,098.4	-39.7	622.2	623.5	0.00	0.00	0.00	
5,600.0	91.00	93.65	5,096.6	-46.1	722.0	723.5	0.00	0.00	0.00	
5,700.0	91.00	93.65	5,094.9	-52.5	821.8	823.4	0.00	0.00	0.00	
5,800.0	91.00	93.65	5,093.1	-58.8	921.6	923.4	0.00	0.00	0.00	
5,900.0	91.00	93.65	5,091.4	-65.2	1,021.3	1,023.4	0.00	0.00	0.00	
6,000.0	91.00	93.65	5,089.6	-71.6	1,121.1	1,123.4	0.00	0.00	0.00	
6,100.0	91.00	93.65	5,087.9	-77.9	1,220.9	1,223.4	0.00	0.00	0.00	
6,200.0	91.00	93.65	5,086.1	-84.3	1,320.7	1,323.4	0.00	0.00	0.00	
6,300.0	91.00	93.65	5,084.4	-90.7	1,420.5	1,423.4	0.00	0.00	0.00	
6,400.0	91.00	93.65	5,082.7	-97.0	1,520.2	1,523.3	0.00	0.00	0.00	
6,500.0	91.00	93.65	5,080.9	-103.4	1,620.0	1,623.3	0.00	0.00	0.00	
6,600.0	91.00	93.65	5,079.2	-109.8	1,719.8	1,723.3	0.00	0.00	0.00	
6,700.0	91.00	93.65	5,077.4	-116.1	1,819.6	1,823.3	0.00	0.00	0.00	
6,800.0	91.00	93.65	5,075.7	-122.5	1,919.4	1,923.3	0.00	0.00	0.00	
6,900.0	91.00	93.65	5,073.9	-128.9	2,019.2	2,023.3	0.00	0.00	0.00	
7,000.0	91.00	93.65	5,072.2	-135.3	2,118.9	2,123.2	0.00	0.00	0.00	
7,100.0	91.00	93.65	5,070.4	-141.6	2,218.7	2,223.2	0.00	0.00	0.00	
7,200.0	91.00	93.65	5,068.7	-148.0	2,318.5	2,323.2	0.00	0.00	0.00	
7,300.0	91.00	93.65	5,066.9	-154.4	2,418.3	2,423.2	0.00	0.00	0.00	
7,400.0	91.00	93.65	5,065.2	-160.7	2,518.1	2,523.2	0.00	0.00	0.00	
7,500.0	91.00	93.65	5,063.5	-167.1	2,617.8	2,623.2	0.00	0.00	0.00	
7,600.0	91.00	93.65	5,061.7	-173.5	2,717.6	2,723.2	0.00	0.00	0.00	
7,700.0	91.00	93.65	5,060.0	-179.8	2,817.4	2,823.1	0.00	0.00	0.00	
7,800.0	91.00	93.65	5,058.2	-186.2	2,917.2	2,923.1	0.00	0.00	0.00	
7,900.0	91.00	93.65	5,056.5	-192.6	3,017.0	3,023.1	0.00	0.00	0.00	
8,000.0	91.00	93.65	5,054.7	-198.9	3,116.8	3,123.1	0.00	0.00	0.00	
8,100.0	91.00	93.65	5,053.0	-205.3	3,216.5	3,223.1	0.00	0.00	0.00	
8,200.0	91.00	93.65	5,051.2	-211.7	3,316.3	3,323.1	0.00	0.00	0.00	
8,300.0	91.00	93.65	5,049.5	-218.1	3,416.1	3,423.0	0.00	0.00	0.00	
8,400.0	91.00	93.65	5,047.8	-224.4	3,515.9	3,523.0	0.00	0.00	0.00	
8,500.0	91.00	93.65	5,046.0	-230.8	3,615.7	3,623.0	0.00	0.00	0.00	
8,600.0	91.00	93.65	5,044.3	-237.2	3,715.4	3,723.0	0.00	0.00	0.00	
8,700.0	91.00	93.65	5,042.5	-243.5	3,815.2	3,823.0	0.00	0.00	0.00	
8,800.0	91.00	93.65	5,040.8	-249.9	3,915.0	3,923.0	0.00	0.00	0.00	
8,900.0	91.00	93.65	5,039.0	-256.3	4,014.8	4,023.0	0.00	0.00	0.00	
9,000.0	91.00	93.65	5,037.3	-262.6	4,114.6	4,122.9	0.00	0.00	0.00	
9,100.0	91.00	93.65	5,035.5	-269.0	4,214.3	4,222.9	0.00	0.00	0.00	



TDS
Planning Report



EDM 5000.1 Single User Db

COG Operating LLC

Eddy County, NM

Chimay 8 Federal Com #26H

SHL: 1963' FSL, 327' FWL, Sec 6, T17S,
R30E, Lot 6

BHL: 1848' FSL, 330' FEL, Sec 8, T17S,
R30E, Unit I

Plan #1

Local Coordinate Reference

Unit Reference

10 Reference

Survey Control

Survey Control

Site Chimay 8 Federal Com #26H

KB @ 3695.0usft (United 43)

KB @ 3695.0usft (United 43)

Grid

Minimum Curvature

	W	C	U	U	U	U	U	U	U
			(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)
9,200.0	91.00	93.65	5,033.8	-275.4	4,314.1	4,322.9	0.00	0.00	0.00
9,300.0	91.00	93.65	5,032.0	-281.7	4,413.9	4,422.9	0.00	0.00	0.00
9,400.0	91.00	93.65	5,030.3	-288.1	4,513.7	4,522.9	0.00	0.00	0.00
9,418.5	91.00	93.65	5,030.0	-289.3	4,532.2	4,541.4	0.00	0.00	0.00
TD at 9418.5									

	W	C	U	U	U	U	U	U	U
			(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)
PP (C6FC #26H/OH Pla - plan hits target center - Point	0.00	0.00	4,635.1	-0.2	3.0	677,288.70	596,804.30	32° 51' 41.590 N	104° 1' 5.084 W
PBHL (C6FC #26H/OH) - plan hits target center - Point	0.00	0.01	5,030.0	-289.3	4,532.2	676,999.60	601,333.50	32° 51' 38.592 N	104° 0' 11.975 W
EOC (C6FC #26H/OH P - plan hits target center - Point	0.00	0.00	5,100.0	-33.8	528.9	677,255.13	597,330.22	32° 51' 41.242 N	104° 0' 58.900 W

4,579.2	4,579.2	0.0	0.0	KOP - Start DLS 11.00 TFO 93.65
5,406.5	5,100.0	-33.8	528.9	EOC - Start 4012.1 hold at 5406.5 MD
9,418.5	5,030.0	-289.3	4,532.2	TD at 9418.5



Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4579.2	0.00	0.00	4579.2	0.0	0.0	0.00	0.00	0.0	
3	5406.5	91.00	93.65	5100.0	-33.8	528.9	11.00	93.65	530.0	
4	9418.5	91.00	93.65	5030.0	-289.3	4532.2	0.00	0.00	4541.4	PBHL (C6FC #26H/OH)

Ground Elevation:: 3683.0

RKB Elevation: KB @ 3695.0usft (United 43)

Northing
677288.90

Easting
596801.30

Latitude
32° 51' 41.592 N

Longitude
104° 1' 5.059 W

COG Operating LLC
Project: Eddy County, NM
Site: Chimay 6 Federal Com #26H

Well: SHL: 1963' FSL, 327' FWL, Sec 6, 11/S, R30E, Lot 6

Wellbore: BHL: 1646' FSL, 330' FEL, Sec 6, T17S, R30E, Unit I

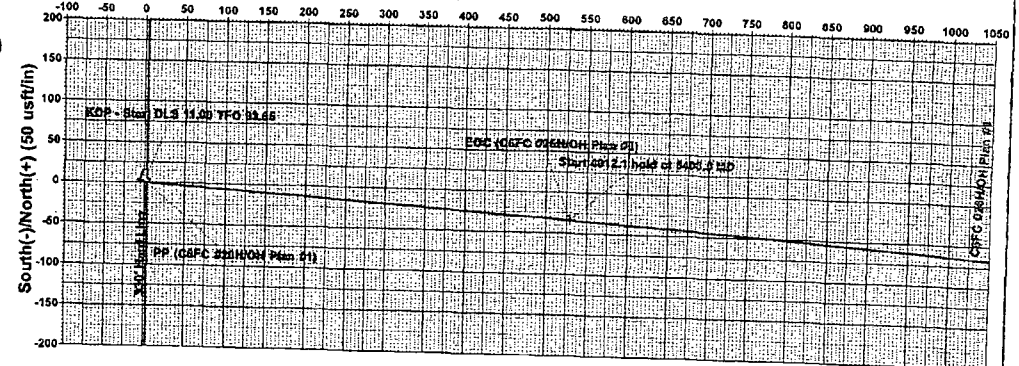
Plan: Plan #1 (SHL: 1963' FSL, 327' FWL, Sec 6, T17S, R30E, Lot 6/BHL: 1646' FSL, 330' FEL, Sec 6, T17S, R30E, Unit I)



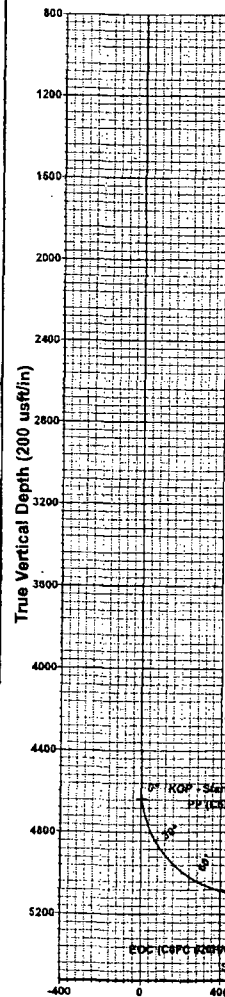
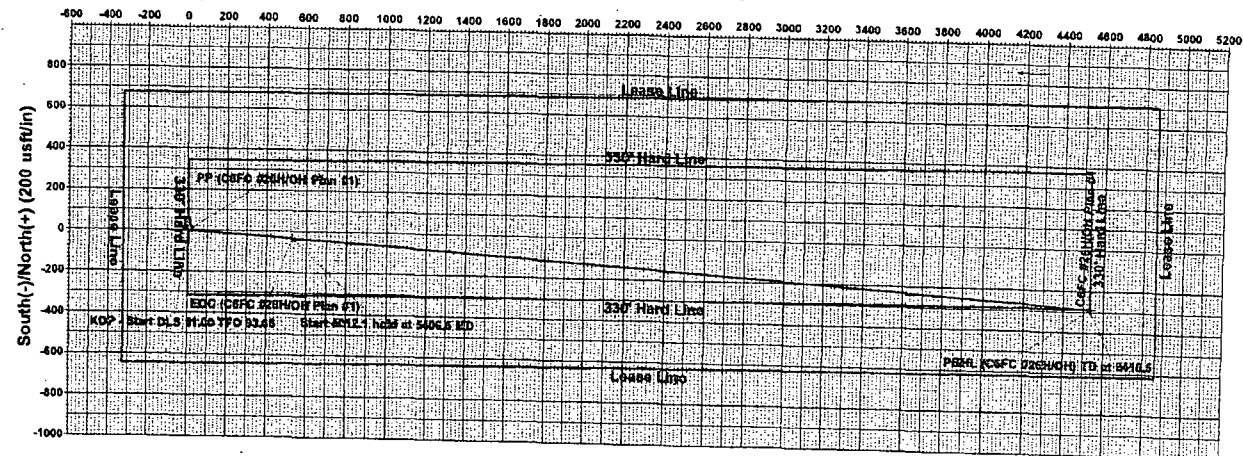
Azimuths to Grid North
True North: -0.17°
Magnetic North: 7.19°

Magnetic Field
Strength: 48556.0nT
Dip Angle: 60.60°
Date: 5/18/2015
Model: IGRF2010

West(-)/East(+) (50 usft/in)



West(-)/East(+) (200 usft/in)



Vertical Section at 93.65° (200 usft/in)
Terra Directional Services LLC
322 Spring Hill Drive, Suite A300, Spring, Tx 77386
Phone: 432-425-7532

PROJECT DETAILS: Eddy County, NM
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1886
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid