

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161

1625 N. French Dr., Hobbs, NM 88240

District II - (575) 748-1283

811 S. First St., Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Rd., Aztec, NM 87410

District IV - (505) 476-3460

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

87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103

Revised August 1, 2011

WELL API NO. 30-015-40416
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Quimet State Com
8. Well Number 1H
9. OGRID Number 229137
10. Pool name or Wildcat Empire; Gloria Yaso East 96610

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator COG Operating LLC	
3. Address of Operator One Concho Center - 600 W Illinois Ave Midland, TX 79701	
4. Well Location Unit Letter 1 ; 210 feet from the NORTH line and 175 feet from the EAST line Section 2 Township 17S Range 29E NMPM County EDDY	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3660'	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: **Change TVD and well #** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully requests permission to change TVD and well # to the following:

FROM: 5225' TVD; 9886' MD

TO: 4226' TVD; 8883' MD

FROM: Quimet State Com #1H

TO: Quimet State Com #11H

NM OIL CONSERVATION

ARTESIA DISTRICT

FEB 25 2015

RECEIVED

A revised C-102 and directional plan is attached for your review.

Spud Date:

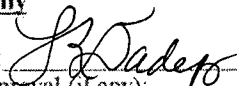
Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Permitting Tech DATE 02/25/15

Type or print name Kelly J. Holly E-mail address: kholly@concho.com PHONE: 432-685-4384

For State Use Only

APPROVED BY:  TITLE Dist 11 Spmn DATE 2/25/15

Conditions of Approval (if any):

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 743-1231 Fax: (575) 743-9720
District III
1000 Rio Empez Road, Aztec, NM 87410
Phone: (505) 334-6170 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION
ARTESIA DISTRICT

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

FEB 25 2015

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

¹ API Number 30-015-40416	² Pool Code 96610	³ Pool Name Empire; Glorieta Yeso East
⁴ Property Code 39292	⁵ Property Name OUIMET STATE COM	
⁷ OGRID No. 229137	⁶ Operator Name COG OPERATING, LLC	⁸ Well Number 11H
		⁹ Elevation 3660'

¹⁰ Surface Location

BL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
1	2	17-S	29-E		210	NORTH	175	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
4	2	17-S	29-E		330	NORTH	330	WEST	EDDY

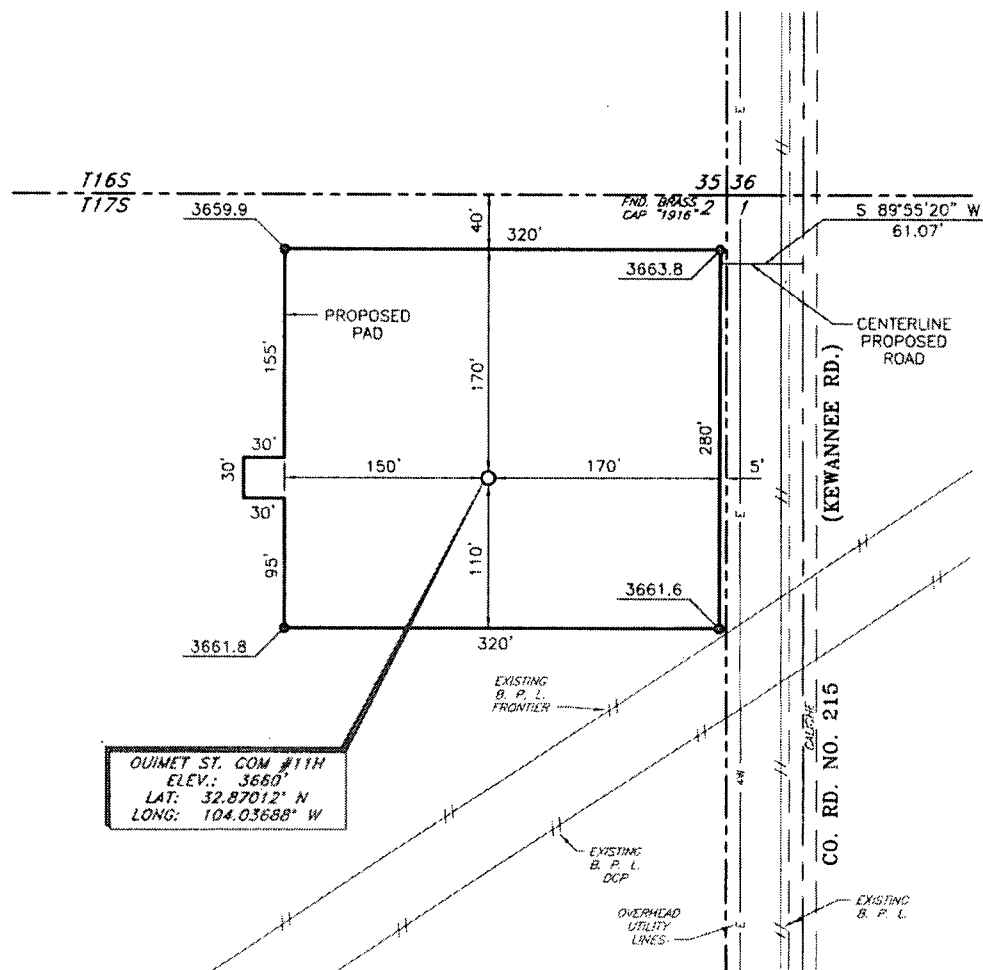
¹² Dedicated Acres 159.69	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

		¹⁷ 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 undivided 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 hereafter entered by the division. Signature: Date: 2-25-15 Printed Name: Kelly J. Holly E-mail Address: kholly@concho.com
CORNER DATA NAD 27 GRID - NM EAST A: END 1/2" REBAR N 675329.3 - E 585912.5 B: BRASS CAP "1914" N 677971.0 - E 585901.6 C: BRASS CAP "1914" N 680600.2 - E 585904.0 D: BRASS CAP "1914" N 680599.8 - E 588550.2 F: BRASS CAP "1916" N 680599.9 - E 581196.5 F: BRASS CAP "1914" N 677961.6 - E 591198.9 G: BRASS CAP "1914" N 675322.5 - E 591200.4 H: BRASS CAP "1914" N 675322.9 - E 588553.7		¹⁸ 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 of Survey: 2/18/13 Signature and Seal of Professional Surveyor: 19680 Certificate Number Revised: 2/4/15

COG OPERATING, LLC

Ouimet State Com #11H
(210' FNL & 175' FEL)
Section 2, T-17-S, R-29-E,
N. M. P. M., Eddy Co., New Mexico



DIRECTIONS TO LOCATION

From the intersection of U. S. Hwy. No. 82 and
County Road No. 215 (Kewanee):

Go North on County Road No. 215 approx 3.4 miles;

Location is approx. 240' West of Co. Rd. No. 215.

SCALE: 1" = 100'

BEARINGS ARE
MAG. 27° - NW EAST
DISTANCES ARE
GROUND.

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1	Well Name	2/4/15
NO.	REVISION	DATE
JOB NO.:	LS130068	
DWG. NO.:	130068PAD	

PROSPERITY CONSULTANTS, LLC



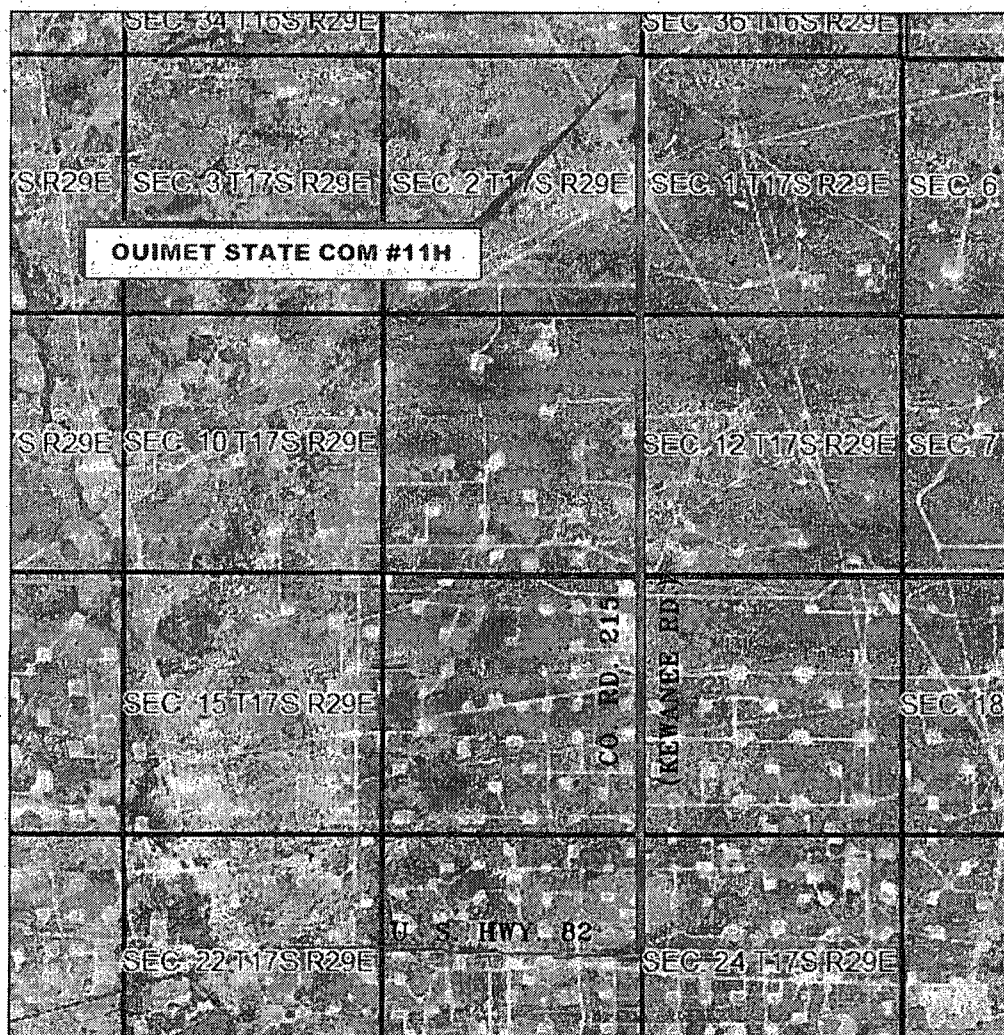
2251 Double Creek Drive, Suite 602, Round Rock, Texas 78664

o (512) 992-2087 f (512) 251-2518

SCALE: 1" = 100'
DATE: 2/18/13
SURVEYED BY: GB/SM
DRAWN BY: LWB
APPROVED BY: LWB
SHEET : 1 OF 1

VICINITY MAP

NOT TO SCALE



SECTION 2, TWP. 17 SOUTH, RGE. 29 EAST,
N. M. P. M., EDDY COUNTY, NEW MEXICO

OPERATOR: COG Operating, LLC
LEASE: Ouimet State Com
WELL NO.: 11H

LOCATION: 210' FNL & 175' FEL
ELEVATION: 3660'

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1	Well Name	2/4/15
NO.	REVISION	DATE
JOB-NO.: LS130068		
DWG. NO.: 130068VM		

PROSPERITY CONSULTANTS, LLC

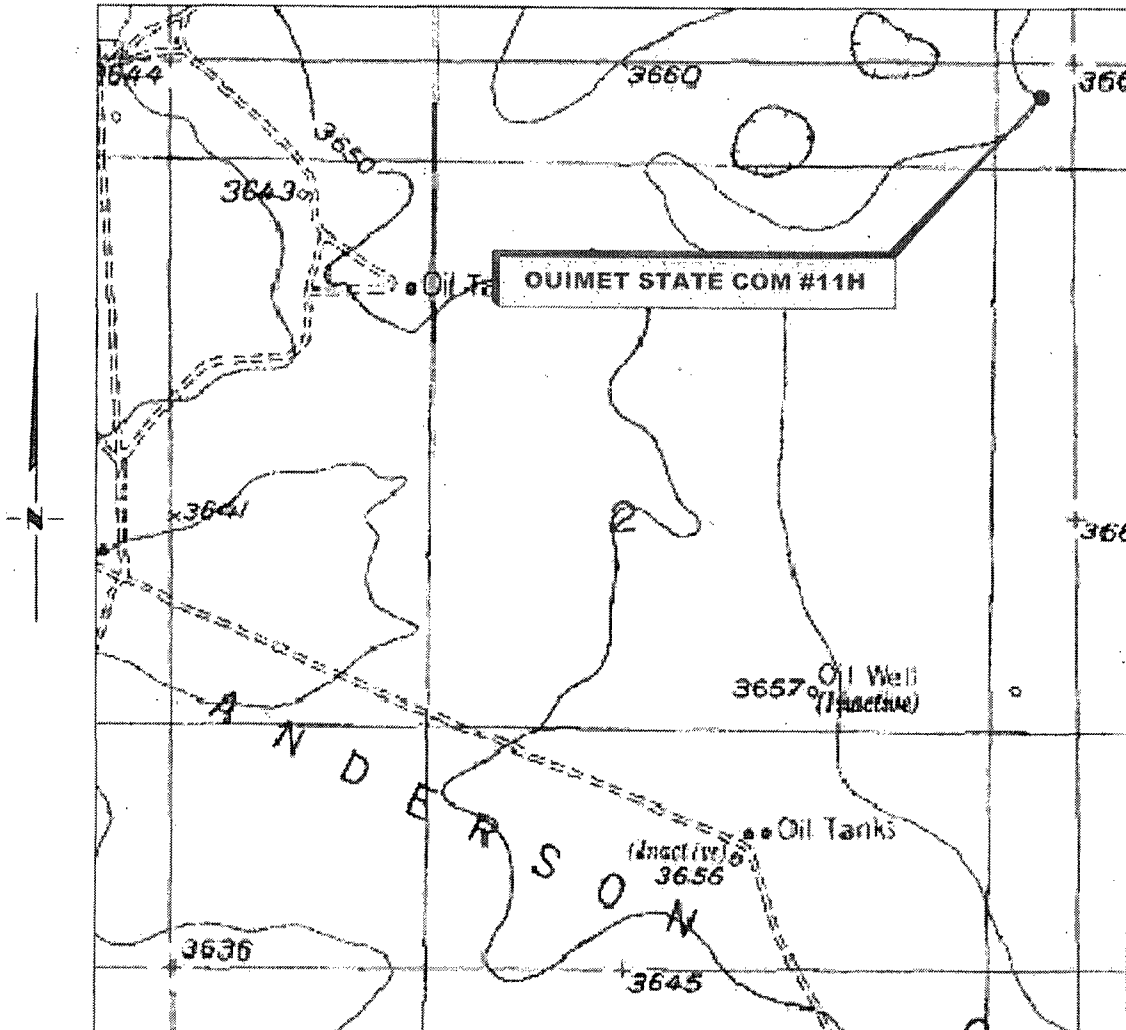


2251 Double Creek Drive, Suite 602, Round Rock, Texas 78664

☎ (512) 992-2087 f (512) 251-2518

SCALE: 1" = 1000'
DATE: 2/18/13
SURVEYED BY: GB/SM
DRAWN BY: LWB
APPROVED BY: LWB
SHEET : 1 OF 1

LOCATION VERIFICATION MAP



SECTION 2, TWP. 17 SOUTH, RGE. 29 EAST,
N. M. P. M., EDDY COUNTY, NEW MEXICO

OPERATOR: COG Operating, LLC
LEASE: Ouimet State Com
WELL NO.: 11H
ELEVATION: 3660'

LOCATION: 210' FNL & 175' FEL
CONTOUR INTERVAL: 10'
USGS TOPO. SOURCE MAP:
Red Lake SE, NM (1955)

Copyright 2012 - All Rights Reserved

1	Well Name	2/4/15
NO.	REVISION	DATE
JOB NO.: LS130068		
DWG. NO.: 130068LVM		

PROSPERITY CONSULTANTS, LLC



2251 Double Creek Drive, Suite 602, Round Rock, Texas 78664

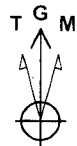
o (512) 992-2087 f (512) 251-2518

SCALE: 1" = 1000'
DATE: 2/18/13
SURVEYED BY: GB/SM
DRAWN BY: LWB
APPROVED BY: LWB
SHEET : 1 OF 1

COG Operating LLC



Well: Oimet State Com Well No. 11H
 Site: Oimet State Com
 Project: Eddy County, New Mexico
 Design: rev0
 Rig: Uniter #43



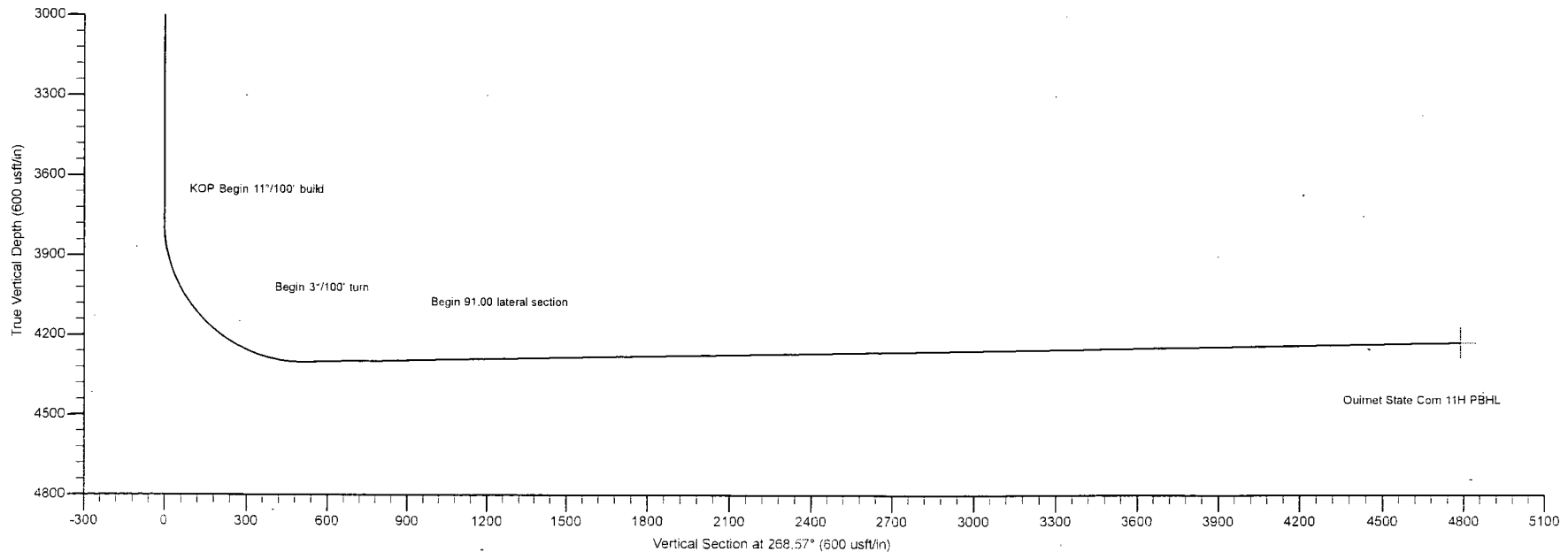
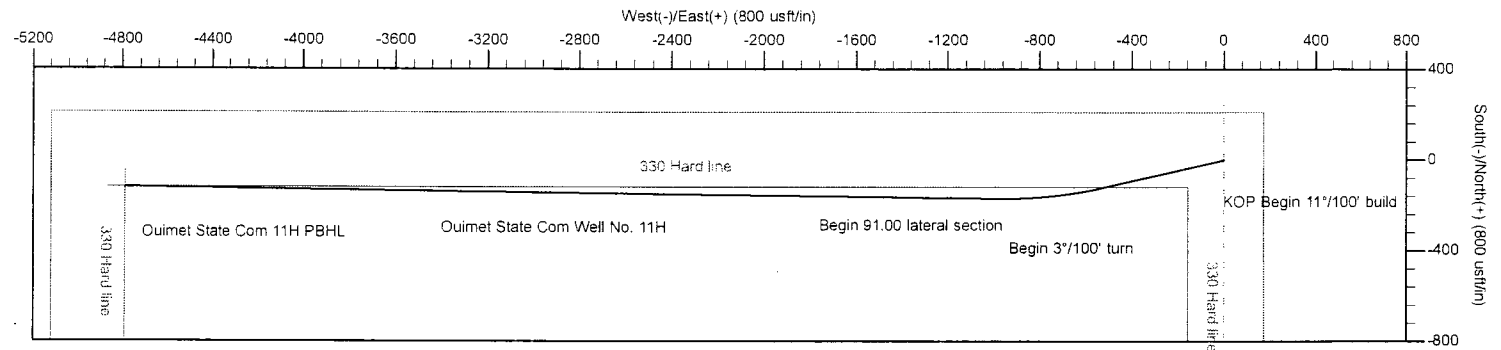
Azimuths to Grid North
 True North: -0.16°
 Magnetic North: 7.24°
 Magnetic Field
 Strength: 48584.7nT
 Dip Angle: 60.61°
 Date: 2/14/2015
 Model: IGRF2010



Surface Location: RKB=3660+12 @ 3672.00usft (Uniter #43)
 US State Plane 1927 (Exact solution)
 New Mexico East 3001
 Northing Easting Latitude Longitude
 680390.00 591021.70 32.87012323 -104.03687681
 Total Correction (M => G) To convert a Magnetic Direction to a Grid Direction, Add 7.24°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3779.21	0.00	0.00	3779.21	0.00	0.00	0.00	0.00	0.00	KOP Begin 11°/100' build
3	3824.66	5.00	256.85	3824.61	-0.45	-1.93	11.00	256.85	1.94	
4	4606.48	91.00	256.85	4300.00	-120.57	-516.06	11.00	0.00	516.92	Begin 3°/100' turn
5	5070.13	91.00	270.76	4291.88	-170.46	-975.80	3.00	-89.89	979.76	Begin 91.00 lateral section
6	8883.24	91.00	270.76	4225.50	-119.80	-4788.00	0.00	0.00	4789.50	PBHL/TD





COG Operating LLC

Eddy County, New Mexico

Oimet State Com

Ouimet State Com Well No. 11H

Original Hole

SHL: 210 FNL 175 FEL Sect 2-T17S-R29E Unit 1

POE: 330 FNL 691 FEL Sect 2-T17S-R29E Unit 1

BHL: 330 FNL 330 FWL Sect 2-T17S-R29E Unit 4

Plan: rev0

Standard_report

14 February, 2015



Standard_report

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well Ouimet State Com Well No. 11H
Project:	Eddy County, New Mexico	TVD Reference:	RKB=3660+12 @ 3672.00usft (Uniter #43)
Site:	Oimet State Com	MD Reference:	RKB=3660+12 @ 3672.00usft (Uniter #43)
Well:	Ouimet State Com Well No. 11H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	Dbase Nov0914

Project	Eddy County, New Mexico		
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	Oimet State Com		
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Site Position:		Northing:	680,390.00 usft	Latitude:	32.87012323
From:	Map	Easting:	591,021.70 usft	Longitude:	-104.03687681
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.16 °

Well	Ouimet State Com Well No. 11H, Surf Loc: 210 FNL 175 FEL Sect 2-T17S-R29E					
Well Position	+N/-S	0.00 usft	Northing:	680,390.00 usft	Latitude:	32.87012323
	+E/-W	0.00 usft	Easting:	591,021.70 usft	Longitude:	-104.03687681
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,660.00 usft

Wellbore	Original Hole				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/14/2015	7.40	60.61	48,585

Design	rev0				
--------	------	--	--	--	--

Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	268.57

Survey Tool Program	Date	2/14/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	8,882.77	rev0 (Original Hole)	MWD	MWD - Standard	



Standard_report

Company: COG Operating LLC
Project: Eddy County New Mexico
Site: Oimet State Com
Well: Oimet State Com Well No: 11H
Wellbore: Original Hole
Design: rev0

Local Co-ordinate Reference: Well Oimet State Com Well No: 11H
TVD Reference: RKB=3660+12 @ 3672.00usft (Uniter #43)
MD Reference: RKB=3660+12 @ 3672.00usft (Uniter #43)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Dbase Nov0914

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	V. Sec (usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70



Standard_report

Company: COG Operating LLC
 Project: Eddy County, New Mexico
 Site: Oimet State Com
 Well: Oimet State Com Well No. 11H
 Wellbore: Original Hole
 Design: rev0

Local Co-ordinate Reference: Well Oimet State Com Well No. 11H
 TVD Reference: RKB=3660+12 @ 3672.00usft (Uniter #43)
 MD Reference: RKB=3660+12 @ 3672.00usft (Uniter #43)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: Dbase Nov0914

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	V. Sec (usft)	Northing (usft)	Easting (usft)
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	680,390.00	591,021.70
3,779.21	0.00	0.00	3,779.21	0.00	0.00	0.00	0.00	680,390.00	591,021.70
KOP Begin 11°/100' build									
3,800.00	2.29	256.85	3,799.99	-0.09	-0.40	11.00	0.41	680,389.91	591,021.30
3,824.66	5.00	256.85	3,824.61	-0.45	-1.93	11.00	1.94	680,389.55	591,019.77
3,900.00	13.29	256.85	3,898.92	-3.17	-13.58	11.00	13.65	680,386.83	591,008.12
4,000.00	24.29	256.85	3,993.45	-10.49	-44.89	11.00	45.14	680,379.51	590,976.81
4,100.00	35.29	256.85	4,080.10	-21.77	-93.19	11.00	93.71	680,368.23	590,928.51
4,200.00	46.29	256.85	4,155.70	-36.61	-156.70	11.00	157.57	680,353.39	590,865.00
4,300.00	57.29	256.85	4,217.46	-54.46	-233.10	11.00	234.39	680,335.54	590,788.60
4,400.00	68.29	256.85	4,263.12	-74.66	-319.56	11.00	321.33	680,315.34	590,702.14
4,500.00	79.29	256.85	4,291.00	-96.47	-412.93	11.00	415.21	680,293.53	590,608.77
4,600.00	90.29	256.85	4,300.07	-119.09	-509.75	11.00	512.57	680,270.91	590,511.95
4,606.48	91.00	256.85	4,300.00	-120.57	-516.06	11.00	518.92	680,269.43	590,505.64
Begin 3°/100' turn									
4,700.00	91.00	259.66	4,298.37	-139.60	-607.60	3.00	610.90	680,250.40	590,414.10
4,800.00	91.01	262.66	4,296.61	-154.97	-706.38	3.00	710.04	680,235.03	590,315.32



Standard_report

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well Ouimet State Com Well No. 11H
Project:	Eddy County, New Mexico	TVD Reference:	RKB=3660+12 @ 3672.00usft (Uniter #43)
Site:	Oimet State Com	MD Reference:	RKB=3660+12 @ 3672.00usft (Uniter #43)
Well:	Ouimet State Com Well No. 11H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	Dbase Nov0914

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	V:Sec (usft)	Northing (usft)	Easting (usft)
4,900.00	91.01	265.66	4,294.86	-165.15	-805.84	3.00	809.72	680,224.85	590,215.86
5,000.00	91.00	268.66	4,293.10	-170.11	-905.69	3.00	909.66	680,219.89	590,116.01
5,070.13	91.00	270.76	4,291.88	-170.46	-975.80	3.00	979.76	680,219.54	590,045.90
Begin 91.00 lateral section									
5,100.00	91.00	270.76	4,291.36	-170.07	-1,005.67	0.00	1,009.60	680,219.93	590,016.03
5,200.00	91.00	270.76	4,289.62	-168.74	-1,105.64	0.00	1,109.52	680,221.26	589,916.06
5,300.00	91.00	270.76	4,287.88	-167.41	-1,205.62	0.00	1,209.43	680,222.59	589,816.08
5,400.00	91.00	270.76	4,286.14	-166.08	-1,305.59	0.00	1,309.34	680,223.92	589,716.11
5,500.00	91.00	270.76	4,284.40	-164.75	-1,405.57	0.00	1,409.25	680,225.25	589,616.13
5,600.00	91.00	270.76	4,282.66	-163.42	-1,505.55	0.00	1,509.16	680,226.58	589,516.15
5,700.00	91.00	270.76	4,280.91	-162.09	-1,605.52	0.00	1,609.07	680,227.91	589,416.18
5,800.00	91.00	270.76	4,279.17	-160.77	-1,705.50	0.00	1,708.99	680,229.23	589,316.20
5,900.00	91.00	270.76	4,277.43	-159.44	-1,805.47	0.00	1,808.90	680,230.56	589,216.23
6,000.00	91.00	270.76	4,275.69	-158.11	-1,905.45	0.00	1,908.81	680,231.89	589,116.25
6,100.00	91.00	270.76	4,273.95	-156.78	-2,005.43	0.00	2,008.72	680,233.22	589,016.27
6,200.00	91.00	270.76	4,272.21	-155.45	-2,105.40	0.00	2,108.63	680,234.55	588,916.30
6,300.00	91.00	270.76	4,270.47	-154.12	-2,205.38	0.00	2,208.54	680,235.88	588,816.32
6,400.00	91.00	270.76	4,268.73	-152.79	-2,305.35	0.00	2,308.45	680,237.21	588,716.35
6,500.00	91.00	270.76	4,266.99	-151.47	-2,405.33	0.00	2,408.37	680,238.53	588,616.37
6,600.00	91.00	270.76	4,265.25	-150.14	-2,505.31	0.00	2,508.28	680,239.86	588,516.39
6,700.00	91.00	270.76	4,263.51	-148.81	-2,605.28	0.00	2,608.19	680,241.19	588,416.42
6,800.00	91.00	270.76	4,261.77	-147.48	-2,705.26	0.00	2,708.10	680,242.52	588,316.44
6,900.00	91.00	270.76	4,260.02	-146.15	-2,805.23	0.00	2,808.01	680,243.85	588,216.47
7,000.00	91.00	270.76	4,258.28	-144.82	-2,905.21	0.00	2,907.92	680,245.18	588,116.49
7,100.00	91.00	270.76	4,256.54	-143.49	-3,005.19	0.00	3,007.84	680,246.51	588,016.51
7,200.00	91.00	270.76	4,254.80	-142.16	-3,105.16	0.00	3,107.75	680,247.84	587,916.54
7,300.00	91.00	270.76	4,253.06	-140.84	-3,205.14	0.00	3,207.66	680,249.16	587,816.56



Standard_report

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well Ouimet State Com Well No. 11H
Project:	Eddy County, New Mexico	TVD Reference:	RKB=3660+12 @ 3672.00usft (Uniter #43)
Site:	Ouimet State Com	MD Reference:	RKB=3660+12 @ 3672.00usft (Uniter #43)
Well:	Ouimet State Com Well No. 11H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	rev0	Database:	Dbase Nov0914

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	V. Sec (usft)	Northing (usft)	Easting (usft)
7,400.00	91.00	270.76	4,251.32	-139.51	-3,305.11	0.00	3,307.57	680,250.49	587,716.59
7,500.00	91.00	270.76	4,249.58	-138.18	-3,405.09	0.00	3,407.48	680,251.82	587,616.61
7,600.00	91.00	270.76	4,247.84	-136.85	-3,505.07	0.00	3,507.39	680,253.15	587,516.63
7,700.00	91.00	270.76	4,246.10	-135.52	-3,605.04	0.00	3,607.30	680,254.48	587,416.66
7,800.00	91.00	270.76	4,244.36	-134.19	-3,705.02	0.00	3,707.22	680,255.81	587,316.68
7,900.00	91.00	270.76	4,242.62	-132.86	-3,804.99	0.00	3,807.13	680,257.14	587,216.71
8,000.00	91.00	270.76	4,240.88	-131.54	-3,904.97	0.00	3,907.04	680,258.46	587,116.73
8,100.00	91.00	270.76	4,239.13	-130.21	-4,004.95	0.00	4,006.95	680,259.79	587,016.75
8,200.00	91.00	270.76	4,237.39	-128.88	-4,104.92	0.00	4,106.86	680,261.12	586,916.78
8,300.00	91.00	270.76	4,235.65	-127.55	-4,204.90	0.00	4,206.77	680,262.45	586,816.80
8,400.00	91.00	270.76	4,233.91	-126.22	-4,304.87	0.00	4,306.68	680,263.78	586,716.83
8,500.00	91.00	270.76	4,232.17	-124.89	-4,404.85	0.00	4,406.60	680,265.11	586,616.85
8,600.00	91.00	270.76	4,230.43	-123.56	-4,504.83	0.00	4,506.51	680,266.44	586,516.87
8,700.00	91.00	270.76	4,228.69	-122.23	-4,604.80	0.00	4,606.42	680,267.77	586,416.90
8,800.00	91.00	270.76	4,226.95	-120.91	-4,704.78	0.00	4,706.33	680,269.09	586,316.92
8,883.24	91.00	270.76	4,225.50	-119.80	-4,788.00	0.00	4,789.50	680,270.20	586,233.70

PBHL/TD

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,779.21	3,779.21	0.00	0.00	KOP Begin 11°/100' build
4,606.48	4,300.00	-0.45	-1.93	Begin 3°/100' turn
5,070.13	4,291.88	-120.57	-516.06	Begin 91.00 lateral section
8,883.24	4,225.50	-170.46	-975.80	PBHL/TD