

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
1600 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

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.)		WELL API NO. 30-015-40647
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator COG Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator One Concho Center - 600 W Illinois Ave Midland, TX 79701		7. Lease Name or Unit Agreement Name Mesilla 16 State Com
4. Well Location Unit Letter D 660 feet from the NORTH line and 330 feet from the WEST line Section 16 Township 17S Range 30E NMPM County EDDY		8. Well Number 1H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3686'		9. OGRID Number 229137
		10. Pool name or Wildcat Loco Hills; Gloria Ya Yeso 96718

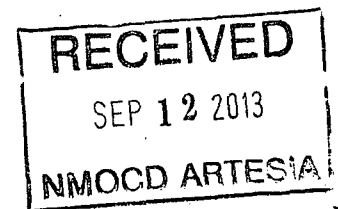
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐ DOWNHOLE COMMINGLE ☐ OTHER: Change Name and Location ☒	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 submitted APD for this well at this location:
SHL: 660' FNL 330' FWL Unit D
BHL: 660' FNL 330' FEL Unit A

COG Operating LLC respectfully requests permission to change the SHL and BHL to:
SHL: 660' FNL 190' FEL Unit A
BHL: 660' FNL 330' FWL Unit D



COG Operating LLC respectfully requests permission to change the name to MESILLA TEXACO STATE COM #1H. (40126)

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

Spud Date:

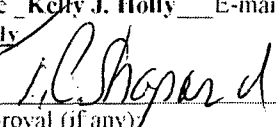
Rig Release Date:

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

SIGNATURE  TITLE **Permitting Tech** DATE **09/12/2013**

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

For State Use Only

APPROVED BY:  TITLE **"Geologist"** DATE **9/12/2013**

Conditions of Approval (if any)

District I
 1625 N. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 426-3460 Fax: (505) 426-3462
 District II
 811 S. First St., Artesia, NM 88213
 Phone: (505) 748-1281 Fax: (505) 748-0720
 District III
 1900 El Estadero Rd., Aztec, NM 87410
 Phone: (505) 344-6178 Fax: (505) 344-6179
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 426-3460 Fax: (505) 426-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-40647		² Pool Code 96718		³ Pool Name Loco Hills; Glorieta Yeso	
⁴ Property Code		⁵ Property Name MESILLA TEXACO STATE COM			⁶ Well Number 1H
⁷ GRID No. 229137		⁸ Operator Name COG OPERATING, LLC			⁹ Elevation 3686'
¹⁰ Surface Location					
UT. or loc. no. A	Section 16	Township 17-S	Range 30-E	Loc. Idn. 660	Feet from the NORTH 190
				Feet from the EAST 190	County EDDY
¹¹ Bottom Hole Location If Different From Surface					
UT. or loc. no. D	Section 16	Township 17-S	Range 30-E	Loc. Idn. 660	Feet from the NORTH 330
				Feet from the WEST 330	County EDDY
¹² Dedicated Acres 160		¹³ Joint or Infill		¹⁴ Consolidation Code	
¹⁵ Order No.					

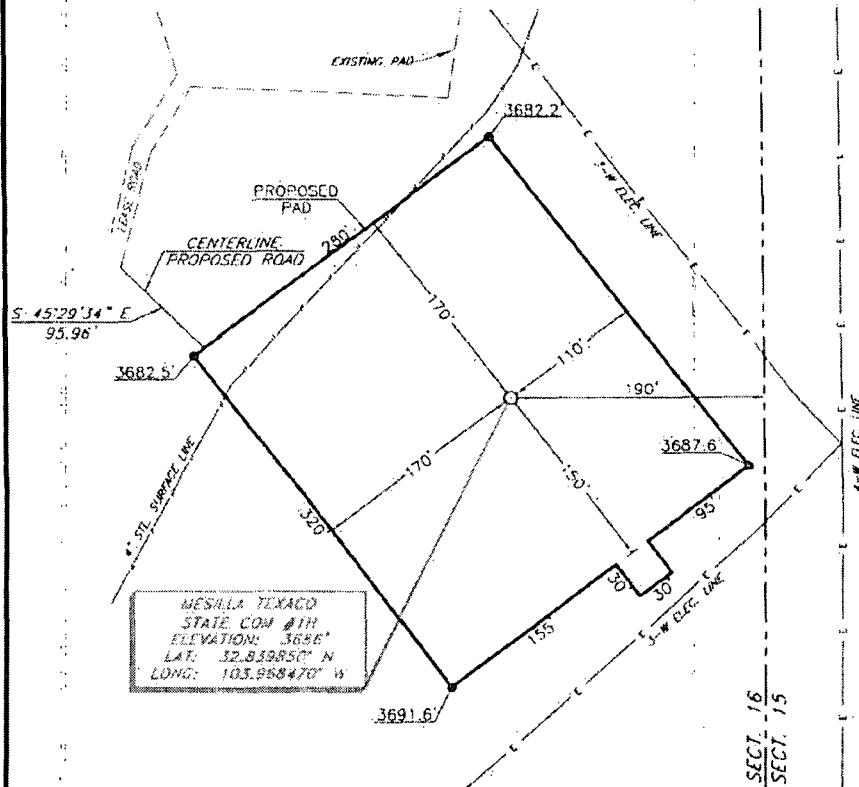
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

Project Area Producing Area S 89°53'44" W (GRID) 4764.66' (HORIZ.) Estimated Completed Interval: 660 FNL+ 330 FEL		"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 never had a working interest or mineral interest in the land including the proposed bottom hole location or has a right to drill this well in this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling under conditions required by the division. <i>[Signature]</i> Date: 9-12-13 Kelly J. Holly United Name kholly@concho.com Email Address
CORNER DATA NAD 27 GRID - NM EAST A: FND BRASS CAP 1916 N 864872.8 - E 606995.4 B: FND BRASS CAP 1916 N 667453.2 - E 606973.6 C: FND BRASS CAP 1916 N 670092.7 - E 606967.2 D: FND BRASS CAP 1916 N 670092.0 - E 609603.0 E: FND BRASS CAP 1916 N 670192.3 - E 612250.5 F: FND BRASS CAP 1916 N 667481.9 - E 612250.6 G: FND BRASS CAP 1916 N 664822.5 - E 612263.5 H: FND BRASS CAP 1915 N 664818.5 - E 609582.4		GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N 569442.1 E 612062.7 LAT: 32.839850° N LONG: 103.968470° W BOTTOM LOCATION N 569433.4 E 607299.2
"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. 3/13/13 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor 19680 Certificate Number		PROFESSIONAL SURVEYOR ROBERT M. HOWEY NEW MEXICO 19680

RECEIVED
 SEP 12 2013
 NMOCD ARTESIA

COG OPERATING, LLC

MESILLA TEXACO STATE COM #1H
(660' FNL & 190' FEL)
Section 16, T-17-S, R-30-E,
N. M. P. M., Eddy Co., New Mexico



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #219 (GOAT ROPERS):

GO NORTH ON CO. RD. #219 APPROX. 0.8 MILE;

TURN RIGHT ON A LEASE ROAD AND GO NORTHEAST APPROX. 0.5 MILE;

TURN LEFT AND GO NORTH APPROX. 0.5 MILE;

THE LOCATION IS APPROX. 370 FEET EAST OF THE LEASE ROAD.



SCALE: 1" = 100'
0 50 100

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

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NO.	REVISION	DATE
JOB NO.: LS130085		
DWG. NO.: 130085PAD		

PROSPERITY CONSULTANTS, LLC



SCALE: 1" = 100'

DATE: 3/13/13

SURVEYED BY: CB

DRAWN BY: AF

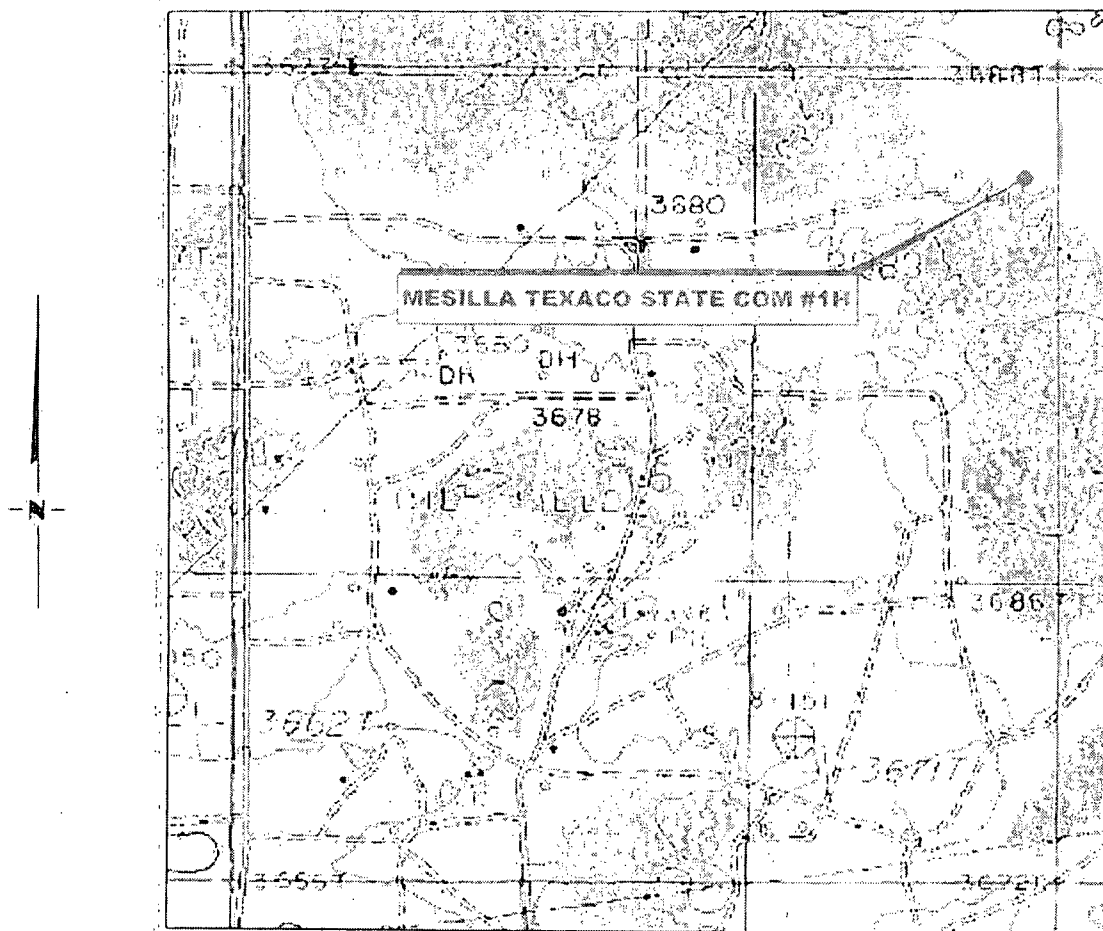
APPROVED BY: LWB

SHEET: 1 OF 1

2251 Double Creek Drive, Suite 607, Round Rock, Texas 78664

(512) 992-2087 / (512) 753-2518

LOCATION VERIFICATION MAP



SECTION 16, TWP. 17 SOUTH, RGE. 30 EAST,
N. M. P. M., EDDY COUNTY, NEW MEXICO

OPERATOR: COG Operating, LLC
LEASE: MESILLA TEXACO STATE COM
WELL NO.: 1H
ELEVATION: 3686'

LOCATION: 660' FNL & 190' FEL
CONTOUR INTERVAL: 10'
USGS TOPO. SOURCE MAP:
LOCO HILLS, NM (Prov. Ed. 1985)

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NO.	REVISION	DATE
JOB NO.:	LS1130085	
DWG. NO.:	130085LVM	

PROSPERITY CONSULTANTS, LLC



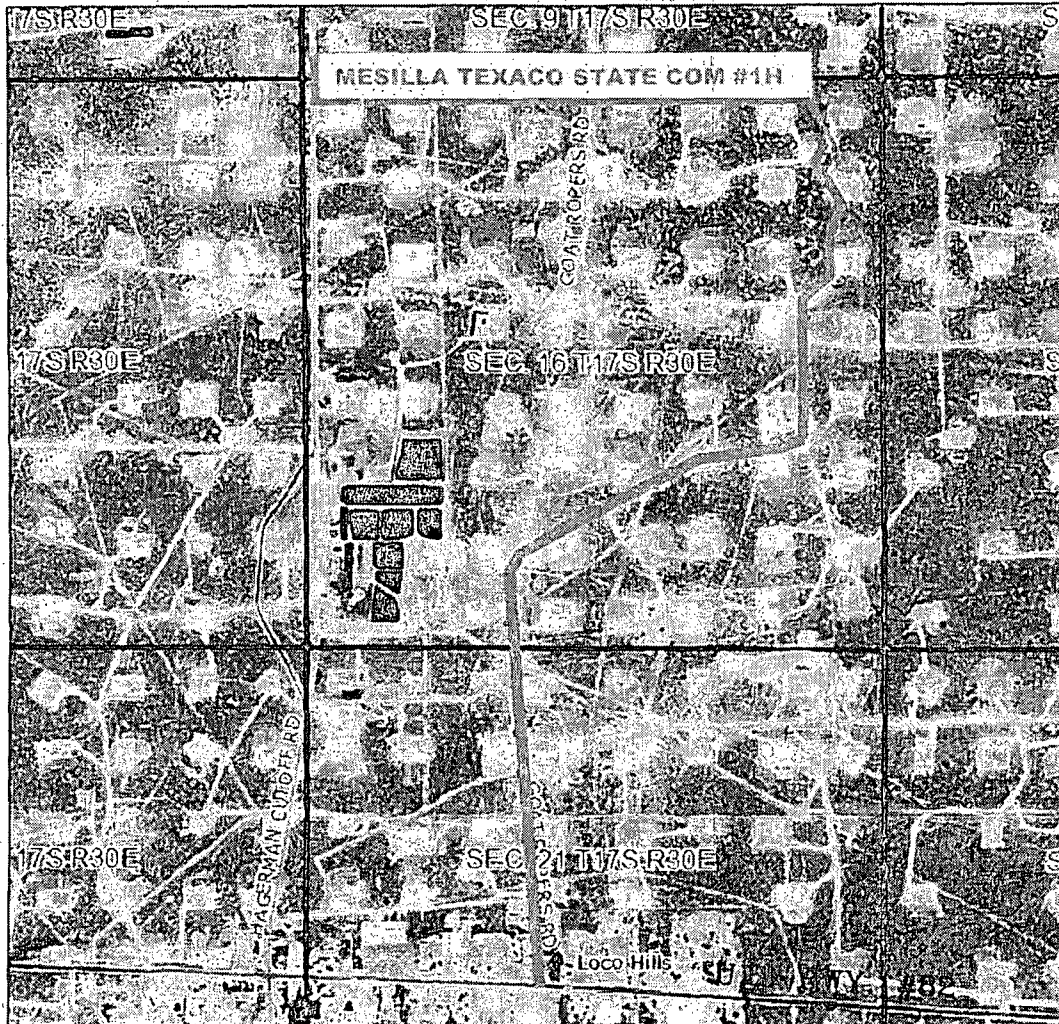
SCALE: 1" = 1000'
DATE: 3/13/13
SURVEYED BY: GB
DRAWN BY: AF
APPROVED BY: LWB
SHEET: 1 OF 1

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

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

VICINITY MAP

NOT TO SCALE



SECTION 16, TWP. 17 SOUTH, RGE. 30 EAST,
N. M. P. M., EDDY COUNTY, NEW MEXICO

OPERATOR: COG Operating, LLC
LEASE: MESILLA TEXACO STATE COM
WELL NO.: 1H

LOCATION: 660' FNL & 190' FEL
ELEVATION: 3689'

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NO.	REVISION	DATE
JOB NO.:	LS130085	
DWG. NO.:	130085VM	

PROSPERITY CONSULTANTS, LLC



SCALE:	1" = 1000'
DATE:	3/13/13
SURVEYED BY:	GB
DRAWN BY:	LWB
APPROVED BY:	LWB
SHEET:	1 OF 1

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

(512) 992-2087 / (512) 251-2518



COG Operating LLC

Eddy County, New Mexico (NAD 27 NME)

Mesilla Texaco State Com

#1H

WB1

Plan: Plan #1 08-28-13

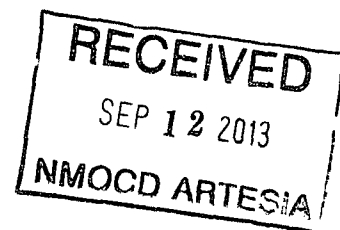
Surface: 660' FNL, 190' FEL, Sec 16, T17S, R30E, Unit A

PP: 660' FNL, 330' FEL, Sec 16, T17S, R30E, Unit A

BHL: 660' FSL, 330' FWL, Sec 16, T17S, R30E, Unit D

Standard Planning Report

28 August, 2013





Phoenix Technology Services
Planning Report



Database:	GCR DB	Local Co-ordinate Reference:	Well #1H
Company:	COG Operating LLC	TVD Reference:	GL @ 3686.00usft
Project:	Eddy County, New Mexico (NAD-27 NME)	MD Reference:	GL @ 3686.00usft
Site:	Mesilla Texaco State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #1 08-28-13		

Project	Eddy County, New Mexico (NAD 27 NME)		
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		Mesilla Texaco State Com			
Site Position:		Northing:	669,442.10 usft	Latitude:	32° 50' 23.45994 N
From:	Map	Easting:	612,062.70 usft	Longitude:	103° 58' 6.49493 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.20 °

Well	#1H					
Well Position	+N/-S	0.00 usft	Northing:	669,442.10 usft	Latitude:	32° 50' 23.45994 N
	+E/-W	0.00 usft	Easting:	612,062.70 usft	Longitude:	103° 58' 6.49493 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,686.00 usft

Wellbore	WB1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	08/27/13	7.55	60.63	48,721

Design	Plan #1 08-28-13			
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	261.66

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,079.21	0.00	0.00	5,079.21	0.00	0.00	0.00	0.00	0.00	0.00	
5,906.48	91.00	269.90	5,600.00	-0.97	-529.96	11.00	11.00	0.00	269.90	
10,140.67	91.00	269.90	5,526.10	-8.70	-4,763.50	0.00	0.00	0.00	0.00	PBHL-Mesilla Texaco



Phoenix Technology Services
Planning Report



Database:	GCR DB	Local Co-ordinate Reference:	Well #1H
Company:	COG Operating LLC	TVD Reference:	GL @ 3686.00usft
Project:	Eddy County, New Mexico (NAD 27 NME)	MD Reference:	GL @ 3686.00usft
Site:	Mesilla Texaco State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB1		
Design:	Plan #1 08-28-13		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,079.21	0.00	0.00	5,079.21	0.00	0.00	0.00	0.00	0.00	0.00
KOP Start Build 11.00									
5,100.00	2.29	269.90	5,099.99	0.00	-0.42	0.41	11.00	11.00	0.00
5,200.00	13.29	269.90	5,198.92	-0.03	-13.94	13.80	11.00	11.00	0.00
5,300.00	24.29	269.90	5,293.45	-0.08	-46.10	45.62	11.00	11.00	0.00
5,400.00	35.29	269.90	5,380.10	-0.17	-95.70	94.71	11.00	11.00	0.00
5,470.24	43.01	269.90	5,434.53	-0.26	-140.02	138.57	11.00	11.00	0.00
PP-Mesilla Texaco #1H									
5,500.00	46.29	269.90	5,455.70	-0.29	-160.93	159.27	11.00	11.00	0.00
5,600.00	57.29	269.90	5,517.46	-0.44	-239.38	236.91	11.00	11.00	0.00
5,700.00	68.29	269.90	5,563.12	-0.60	-328.17	324.79	11.00	11.00	0.00
5,800.00	79.29	269.90	5,591.00	-0.77	-424.05	419.67	11.00	11.00	0.00
5,890.43	89.23	269.90	5,600.03	-0.94	-513.91	508.61	11.00	11.00	0.00
TL, 5609.9' TVD @ 0 VZ, 91.0° Inc									
5,900.00	90.29	269.90	5,600.07	-0.96	-523.48	518.08	11.00	11.00	0.00
5,906.48	91.00	269.90	5,600.00	-0.97	-529.96	524.49	11.00	11.00	0.00
LP Start 4234.19 hold at 5906.48 MD									
6,000.00	91.00	269.90	5,598.36	-1.14	-623.47	617.03	0.00	0.00	0.00
6,100.00	91.00	269.90	5,596.62	-1.32	-723.45	715.99	0.00	0.00	0.00
6,200.00	91.00	269.90	5,594.87	-1.50	-823.44	814.94	0.00	0.00	0.00
6,300.00	91.00	269.90	5,593.13	-1.69	-923.42	913.89	0.00	0.00	0.00
6,400.00	91.00	269.90	5,591.38	-1.87	-1,023.41	1,012.84	0.00	0.00	0.00
6,500.00	91.00	269.90	5,589.64	-2.05	-1,123.39	1,111.80	0.00	0.00	0.00
6,600.00	91.00	269.90	5,587.89	-2.23	-1,223.38	1,210.75	0.00	0.00	0.00
6,700.00	91.00	269.90	5,586.15	-2.42	-1,323.36	1,309.70	0.00	0.00	0.00
6,800.00	91.00	269.90	5,584.40	-2.60	-1,423.34	1,408.66	0.00	0.00	0.00
6,900.00	91.00	269.90	5,582.66	-2.78	-1,523.33	1,507.61	0.00	0.00	0.00
7,000.00	91.00	269.90	5,580.91	-2.96	-1,623.31	1,606.56	0.00	0.00	0.00
7,100.00	91.00	269.90	5,579.17	-3.15	-1,723.30	1,705.51	0.00	0.00	0.00
7,200.00	91.00	269.90	5,577.42	-3.33	-1,823.28	1,804.47	0.00	0.00	0.00
7,300.00	91.00	269.90	5,575.68	-3.51	-1,923.27	1,903.42	0.00	0.00	0.00
7,400.00	91.00	269.90	5,573.93	-3.70	-2,023.25	2,002.37	0.00	0.00	0.00
7,500.00	91.00	269.90	5,572.19	-3.88	-2,123.24	2,101.33	0.00	0.00	0.00
7,600.00	91.00	269.90	5,570.44	-4.06	-2,223.22	2,200.28	0.00	0.00	0.00
7,700.00	91.00	269.90	5,568.70	-4.24	-2,323.21	2,299.23	0.00	0.00	0.00
7,800.00	91.00	269.90	5,566.95	-4.43	-2,423.19	2,398.18	0.00	0.00	0.00
7,900.00	91.00	269.90	5,565.21	-4.61	-2,523.18	2,497.14	0.00	0.00	0.00
8,000.00	91.00	269.90	5,563.46	-4.79	-2,623.16	2,596.09	0.00	0.00	0.00
8,100.00	91.00	269.90	5,561.71	-4.97	-2,723.14	2,695.04	0.00	0.00	0.00
8,200.00	91.00	269.90	5,559.97	-5.16	-2,823.13	2,793.99	0.00	0.00	0.00
8,300.00	91.00	269.90	5,558.22	-5.34	-2,923.11	2,892.95	0.00	0.00	0.00
8,400.00	91.00	269.90	5,556.48	-5.52	-3,023.10	2,991.90	0.00	0.00	0.00
8,500.00	91.00	269.90	5,554.73	-5.70	-3,123.08	3,090.85	0.00	0.00	0.00
8,600.00	91.00	269.90	5,552.99	-5.89	-3,223.07	3,189.81	0.00	0.00	0.00
8,700.00	91.00	269.90	5,551.24	-6.07	-3,323.05	3,288.76	0.00	0.00	0.00
8,800.00	91.00	269.90	5,549.50	-6.25	-3,423.04	3,387.71	0.00	0.00	0.00
8,900.00	91.00	269.90	5,547.75	-6.43	-3,523.02	3,486.66	0.00	0.00	0.00
9,000.00	91.00	269.90	5,546.01	-6.62	-3,623.01	3,585.62	0.00	0.00	0.00
9,100.00	91.00	269.90	5,544.26	-6.80	-3,722.99	3,684.57	0.00	0.00	0.00
9,200.00	91.00	269.90	5,542.52	-6.98	-3,822.98	3,783.52	0.00	0.00	0.00
9,300.00	91.00	269.90	5,540.77	-7.16	-3,922.96	3,882.47	0.00	0.00	0.00
9,400.00	91.00	269.90	5,539.03	-7.35	-4,022.94	3,981.43	0.00	0.00	0.00
9,500.00	91.00	269.90	5,537.28	-7.53	-4,122.93	4,080.38	0.00	0.00	0.00



Phoenix Technology Services
Planning Report



Database: GCR DB
Company: COG Operating LLC
Project: Eddy County, New Mexico (NAD 27 NME)
Site: Mesilla Texaco State Com
Well: #1H
Wellbore: WB1
Design: Plan: #1 08-28-13

Local Co-ordinate Reference:
TVD Reference: GL @ 3686.00usft
MD Reference: GL @ 3686.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,600.00	91.00	269.90	5,535.54	-7.71	-4,222.91	4,179.33	0.00	0.00	0.00
9,700.00	91.00	269.90	5,533.79	-7.90	-4,322.90	4,278.29	0.00	0.00	0.00
9,800.00	91.00	269.90	5,532.05	-8.08	-4,422.88	4,377.24	0.00	0.00	0.00
9,900.00	91.00	269.90	5,530.30	-8.26	-4,522.87	4,476.19	0.00	0.00	0.00
10,000.00	91.00	269.90	5,528.56	-8.44	-4,622.85	4,575.14	0.00	0.00	0.00
10,100.00	91.00	269.90	5,526.81	-8.63	-4,722.84	4,674.10	0.00	0.00	0.00
10,140.67	91.00	269.90	5,526.10	-8.70	-4,763.50	4,714.34	0.00	0.00	0.00

TD at 10140.67 - PBHL-Mesilla Texaco #1H

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PP-Mesilla Texaco #1H	0.00	0.00	5,434.51	-0.26	-140.00	669,441.85	611,922.70	32° 50' 23.46219 N	103° 58' 8.13588 W
- plan hits target center									
- Point									
PBHL-Mesilla Texaco #1	0.00	0.01	5,526.10	-8.70	-4,763.50	669,433.40	607,299.20	32° 50' 23.53317 N	103° 59' 2.32811 W
- plan hits target center									
- Point									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,890.43	5,600.03	TL, 5609.9' TVD @ 0 VZ, 91.0° Inc		-1.00	269.90

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,079.21	5,079.21	0.00	0.00	KOP Start Build 11.00
5,906.48	5,600.00	-0.97	-529.96	LP Start 4234.19 hold at 5906.48 MD
10,140.67	5,526.10	-8.70	-4,763.50	TD at 10140.67



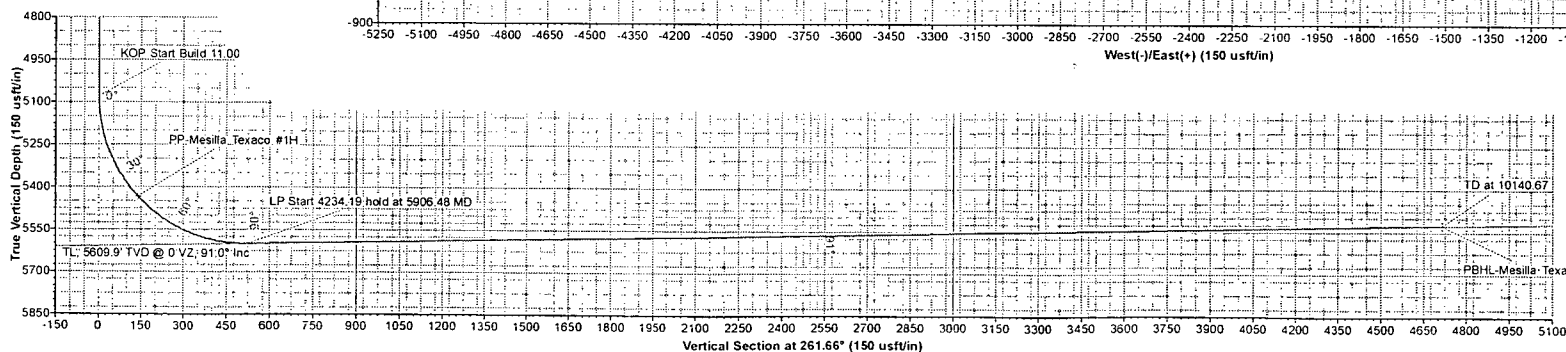
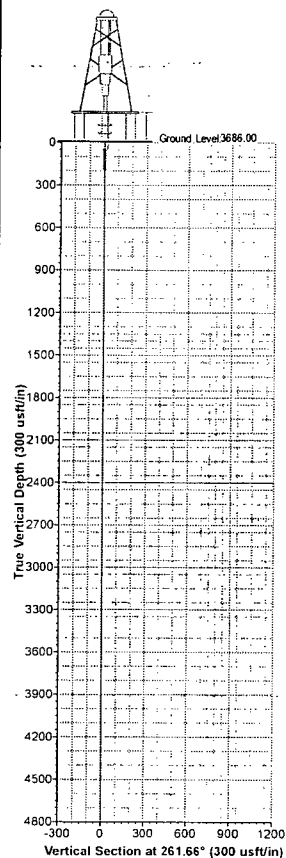
Project: Eddy County, New Mexico (NAD 27 NME)
Site: Mesilla Texaco State Com
Well: #1H
Wellbore: WB1
Design: Plan #1 08-28-13



PHOENIX
TECHNOLOGY SERVICES



Azimuths to Grid North
True North: -4.20°
Magnetic North: 7.35°
Magnetic Field
Strength: 48721.0nT
Dip Angle: 60.63°
Date: 08/27/2013
Model: IGRF2010_14



WELL DETAILS											
	+N/-S	+E/-W	Northing	Ground Level	Easting	Latitude	Longitude				
	0.00	0.00	669442.10	3686.00	612062.70	32° 50' 23.45894 N	103° 58' 6.49493 W				

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	5079.21	0.00	0.00	5079.21	0.00	0.00	0.00	0.00	0.00	0.00	KOP Start Build 11.00
3	5906.48	91.00	269.90	5600.00	-0.97	-529.96	11.00	269.90	524.49		LP Start 4234.19 hold at 5906.48 MD
4	10140.67	91.00	269.90	5526.10	-8.70	-4763.50	0.00	0.00	4714.34	PBHL-Mesilla Texaco #1H	TD at 10140.67

DESIGN TARGET DETAILS											
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape			
PP-Mesilla Texaco #1H	5434.51	-0.25	-140.00	669441.84	611922.70	32° 50' 23.46219 N	103° 58' 8.13588 W	Point			
- plan hits target center											
PBHL-Mesilla Texaco #1H	5526.10	-8.70	-4763.50	669433.40	607299.20	32° 50' 23.53317 N	103° 59' 2.32811 W	Point			
- plan hits target center											

PROJECT DETAILS: Eddy County, New Mexico (NAD 27 NME)											
Geodetic System: US State Plane 1927 (Exact solution)											
Datum: NAD 1927 (NADCON CONUS)											
Ellipsoid: Clarke 1866											
Zone: New Mexico East 3001											
System Datum: Mean Sea Level											

SITE DETAILS: Mesilla Texaco State Com											
Site Centre Northing: 669442.10											
Easting: 612062.70											
Positional Uncertainty: 0.00											
Convergence: 0.20											
Local North: Grid											

FORMATION TOP DETAILS											
TVDPath	MDPath	Formation	DipAngle	DipDir							
5600.03	5890.43	TL 5609.9' TVD @ 0 VZ, 91.0° Inc	-1.00	269.90							

PROJECT DETAILS: Eddy County, New Mexico (NAD 27 NME)											
Map System: US State Plane 1927 (Exact solution)											
Datum: NAD 1927 (NADCON CONUS)											
Ellipsoid: Clarke 1866											
Zone Name: New Mexico East 3001											
Local Origin: Well #1H, Grid North											
Latitude: 32° 50' 23.45894 N											
Longitude: 103° 58' 6.49493 W											
Grid East: 612062.70											
Grid North: 669442.10											
Scale Factor: 1.000											
Geomagnetic Model: IGRF2010_14											
Sample Date: 27-Aug-13											
Magnetic Declination: 7.55°											
Dip Angle from Horizontal: 60.63°											
Magnetic Field Strength: 48721											
To convert a Magnetic Direction to a Grid Direction, Add 7.35°											
To convert a Magnetic Direction to a True Direction, Add 7.55° East											
To convert a True Direction to a Grid Direction, Subtract 0.20°											

LEGEND

Plan #1 08-28-13

