

DATE IN 10/24/2015	SUSPENSE	ENGINEER	LOGGED IN 10/23/2015	TYPE NSL	APP NO. PMAM152964914
--------------------	----------	----------	----------------------	----------	-----------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE.

**Application Acronyms:**

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

**[1] TYPE OF APPLICATION - Check Those Which Apply for [A]**

- [A] Location - Spacing Unit - Simultaneous Dedication  
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify \_\_\_\_\_

**[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

- [A] ☒ Working, Royalty or Overriding Royalty Interest Owners

- [B] ☐ Offset Operators, Leaseholders or Surface Owner

- [C] ☐ Application is One Which Requires Published Legal Notice

- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

- [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

- [F] ☐ Waivers are Attached

**[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

**[4] CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note:** Statement must be completed by an individual with managerial and/or supervisory capacity.

Kelly Holly

Permitting Tech

Print or Type Name

Signature

Title

khollv@concho.com

Date

10/19/15

2015 OCT 21 P 2:38  
 RECEIVED OGD

Pool

- N. Seven-Rivers  
 Glorietta yes

97565

- NSL  
 - COG operating, LLC  
 229137

WCH

- Grave Digger  
 State Com #8 H

30-015-43397

**Grave Digger State Com #8H  
Eddy County, NM**

COG is requesting to horizontally drill a SE/4 SW/4 to NE/4 NW/4 160.6 acre spacing  
N Seven Rivers; Glorieta Yeso oil well  
Approximately: TVD 2879', MD 7438'

Non-standard Location:

SHL: 170' FSL & 1610' FWL      Sec 2, T20S, R25E, Unit N  
BHL: 330' FNL & 1550' FWL      Sec 2, T20S, R25E, Lot 3

**This well had to be staked at a non-standard location due to an existing well too close to original location.**

We won't know the exact perms until we drill & log it, but it will be very similar to the Grave Digger State Com #1H and is located at:

SHL: 330' FNL & 380' FWL      Section 2, T20S, R25E, Unit 4  
BHL: 322' FSL & 384' FWL      Section 2, T20S, R25E, Unit M

Grave Digger State Com #1H has perms from: 2880' – 6880' overall, but broken up into 5 separate intervals, with 5 separate fracs:

1<sup>st</sup> Perf: 2880-3480',  
acidized w/ 4861 gals, 15% NEFE; frac'd w/256764# sand & 516224 gal fluid

2<sup>nd</sup> Perf: 3730-4330',  
acidized w/ 2521 gals, 15% NEFE; frac'd w/249468# sand & 511005 gal fluid

3<sup>rd</sup> Perf: 4580-5180',  
acidized w/ 2427 gals, 15% NEFE; frac'd w/255948# sand & 519074 gal fluid

4<sup>th</sup> Perf: 5430-6030',  
acidized w/ 3985 gals, 15% NEFE; frac'd w/250253# sand & 532321 gal fluid

5<sup>th</sup> Perf: 6266-6880',  
acidized w/ 1506 gals, 15% NEFE; frac'd w/254588# sand & 512961 gal fluid

**Attachment 1**

Plat

**Attachment 2**

Map & legend of offset wells.

**Attachment 3**

Updated land plat showing that COG Operating LLC owns the 100% of Section 2. The acreage we are encroaching on is Units D, E, L and M of Section 2 (COG Operating). Unit M and N of Section 35 (COG Operating). Unit D & C of Section 11.

Offset acreage in section 11 is owned by Janet M. Hanley, Robert L. Aho and Sharon K. Aho, husband and wife, JTWROS, Catherine Connolly, Trustee of the Catherine Connolly Trust, a Revocable Trust under Agmt dtd 12-30-10. and to the Successor Trustees, Laurence David Willard, S&SP, Cheryl Ann Currier, s&sp, Steven R. Willard, s&sp, H.F. Investments, LLC, Constance D. Connelly, Trustee of the Constance D. Connelly 2015 Rev Trust, dtd 3/6/15, William J. Duncan (lease adds Carol O. Duncan, JTWROS), David R. Woodson and Loretta M. Woodson, Trustees of the David R. Woodson and Loretta M. Woodson Living Trust dtd 1/4/99, Tarleton A. Woodson, a/k/a T.A. Woodson and Sherrill M. Woodson, Trustees of the Tarleton A. Woodson, a/k/a T.A. Woodson and Sherrill M. Woodson Rev Trust created 5/6/98, William S. Woodson and Linda Kay Woodson, Trustees of the William S. Woodson and Linda Kay Woodson Trust dtd 12/17/99 and Thomas C. Woodson and Linda K. Woodson, JTWROS.

Proof of notification is attached.

COG Operating LLC respectfully requests permission to have this NSL approved.

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) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 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

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 <b>30-015-43397</b>		2 Pool Code <b>97565</b>		3 Pool Name <b>N Seven Rivers; Glorieta Veso</b>	
4 Property Code <b>308178</b>		5 Property Name <b>GRAVE DIGGER STATE COM</b>			6 Well Number <b>8H</b>
7 OGRID NO. <b>229137</b>		8 Operator Name <b>COG OPERATING, LLC</b>			9 Elevation <b>3387'</b>
10 Surface Location					
UL or lot no. <b>N</b>	Section <b>2</b>	Township <b>20S</b>	Range <b>25E</b>	Lot Idn <b>170</b>	North/South line <b>SOUTH</b>
Feet From the <b>1610</b>		East/West line <b>WEST</b>		County <b>EDDY</b>	
11 Bottom Hole Location If Different From Surface					
UL or lot no. <b>3</b>	Section <b>2</b>	Township <b>20S</b>	Range <b>25E</b>	Lot Idn <b>330</b>	North/South line <b>NORTH</b>
Feet from the <b>330</b>		East/West line <b>WEST</b>		County <b>EDDY</b>	
12 Dedicated Acres <b>160.6</b>		13 Joint or Infill		14 Consolidation Code	
15 Order No.					

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

		<p>LOT 2 40.09 AC. (40.06 GLO)</p> <p>LOT 1 40.13 AC. (40.09 GLO)</p> <p><b>GEODETIC DATA</b> NAD 27 GRID - NM EAST</p> <p><b>SURFACE LOCATION</b> N 580432.6 - E 461497.8 LAT: 32.59565230° N LONG: 104.45835101° W</p> <p><b>BOTTOM HOLE</b> N 585178.7 - E 461454.4 LAT: 32.60869843° N LONG: 104.45851006° W</p> <p><b>CORNER DATA</b> NAD 27 GRID - NM EAST</p> <p>A: FOUND BRASS CAP "1947" N 580276.9 - E 459887.3</p> <p>B: FOUND BRASS CAP "1947" N 582882.5 - E 459896.7</p> <p>C: FOUND BRASS CAP "1947" N 585504.1 - E 459905.9</p> <p>D: FOUND BRASS CAP "1947" N 585511.7 - E 462548.4</p> <p>E: FOUND BRASS CAP "1947" N 585520.8 - E 465190.9</p> <p>F: FOUND BRASS CAP "1947" N 582874.9 - E 465184.7</p> <p>G: FOUND BRASS CAP "1947" N 580229.1 - E 465177.8</p> <p>H: FOUND BRASS CAP "1947" N 580253.1 - E 462532.6</p> <p>1: CALCULATED POINT N 580265.0 - E 461209.9</p> <p>2: CALCULATED POINT N 585507.9 - E 461227.1</p>	<p><b>17 OPERATOR CERTIFICATION</b> 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 unleased 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 heretofore entered by the division.</p> <p>Signature:  Date: <b>10-6-15</b></p> <p>Printed Name: <b>Kelly J Holly</b></p> <p>E-mail Address: <b>kholly@concho.com</b></p>
		<p><b>18 SURVEYOR CERTIFICATION</b> 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.</p> <p>Date of Survey: <b>8-28-2015</b></p> <p>Signature and Seal of Professional Surveyor: </p> <p>Certificate Number: <b>19680</b></p>	

RRC - Firm No.: TX 10193838 NM 4655451 - Job No.: LS1508493

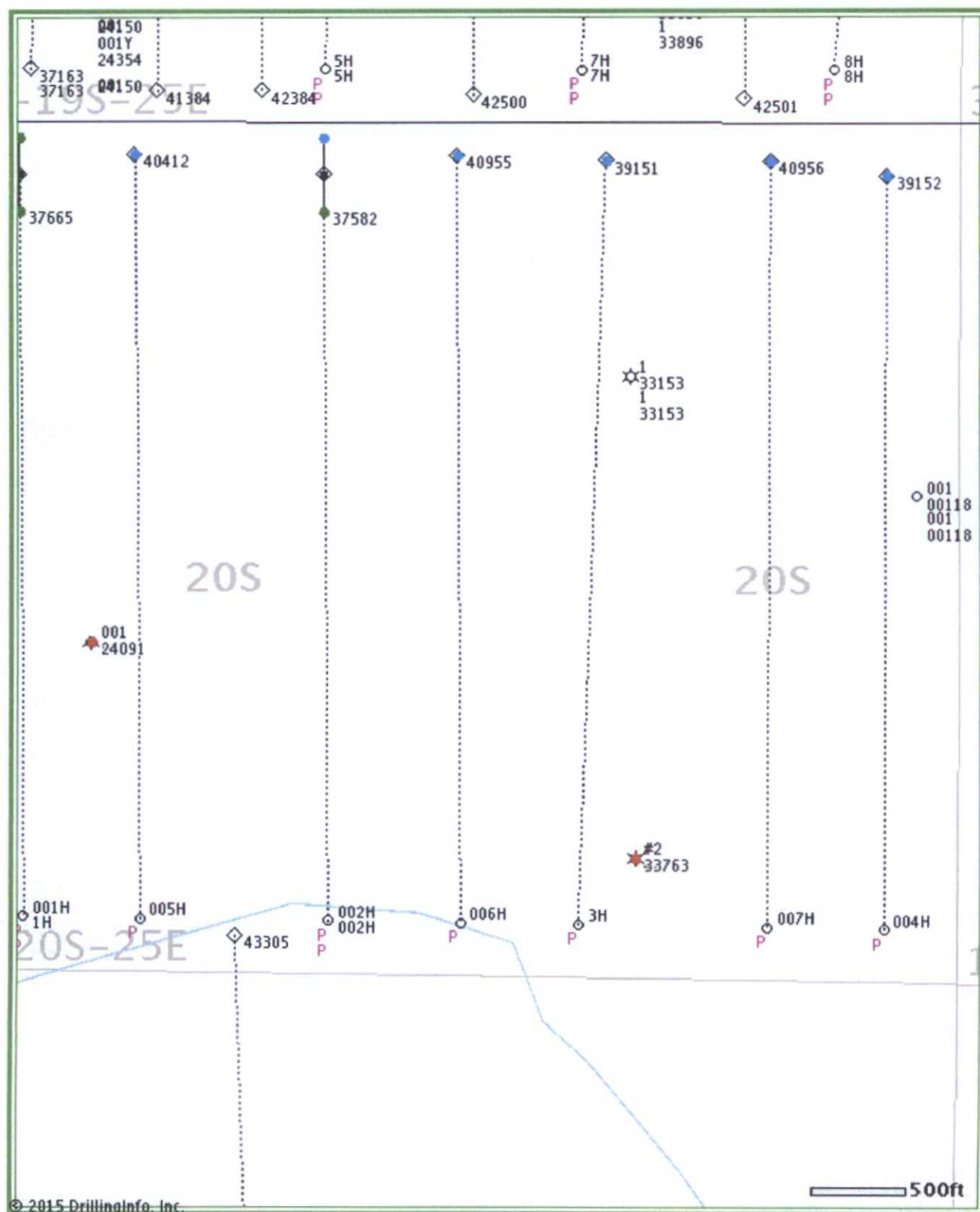
GRAVE DIGGER STATE COM #8H  
(170' FSL & 1610' FWL)  
SECTION 2, T20S, R25E  
N. M. P. M., EDDY COUNTY, NEW MEXICO



## Producing wells in Sec 2, T20, R25E

API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Prac. IP (MCF/D)
30-015-37582	COG OPERATING LLC	GRAVE DIGGER STATE COM	002H	EDDY	S:2, T:20S, R:25E	7,060	W	Active	Oct 2010	Feb 2014	34.83
30-015-39151	COG OPERATING LLC	GRAVE DIGGER STATE COM	3H	EDDY	S:2, T:20S, R:25E	7,163	W	Active	Feb 2012	Jun 2015	44.97
30-015-39152	COG OPERATING LLC	GRAVE DIGGER STATE COM	004H	EDDY	S:2, T:20S, R:25E	7,207	W	Active	Jan 2013	Jun 2015	84.25
30-015-24091	SANTA FE EXPLORATION CO	EXXON STATE COM	001	EDDY	S:2, T:20S, R:25E	9,838	PG	Shut-in	Jan 1984	Jan 1993	86.38
30-015-37582	COG OPERATING LLC	GRAVE DIGGER STATE COM	002H	EDDY	S:2, T:20S, R:25E	7,060	W	Active	Jan 2012	Jun 2015	109.90
30-015-37665	COG OPERATING LLC	GRAVE DIGGER FEDERAL COM	001H	EDDY	S:2, T:20S, R:25E	6,927	W	Active	Jan 2012	Jun 2015	121.21
30-015-40412	COG OPERATING LLC	GRAVE DIGGER STATE COM	005H	EDDY	S:2, T:20S, R:25E	7,316	W	Active	Jan 2013	Jun 2015	128.04
30-015-37665	COG OPERATING LLC	GRAVE DIGGER FEDERAL	001H	EDDY	S:2, T:20S, R:25E	6,927	W	Active	Jun 2010	Apr 2013	157.35
30-015-40956	COG OPERATING LLC	GRAVE DIGGER STATE COM	007H	EDDY	S:2, T:20S, R:25E	7,482	W	Active	Nov 2013	Jun 2015	173.32
30-015-40955	COG OPERATING LLC	GRAVE DIGGER STATE COM	006H	EDDY	S:2, T:20S, R:25E	7,440	W	Active	Aug 2013	Jun 2015	193.00
30-015-33763	COG OPERATING LLC	CEMETARY 2	#2	EDDY	S:2, T:20S, R:25E	9,820	G	Inactive	Nov 2005	Jun 2015	675.77





COG Op.  
2-21-2023  
111946

COG Operating LLC

Grave Digger State Com #8H  
API: 30-015-43397  
COG Operating LLC

COG Operating LLC

Janet M. Hanley  
Robert L. Aho and Sharon K. Aho  
Catherine Connolly Trust, Rev Trust  
Laurence David Willard  
Cheryl Ann Currier  
Steven R. Willard  
H.F. Investments, LLC  
Constance D. Connolly 2015 Rev. Trust  
William J. Duncan  
David R. Woodson and Loretta M. Woodson  
Living Trust  
Tarellton A. Woodson and Sherrill M. Woodson  
Rev Trust  
William S. Woodson and Linda Kay Woodson  
Trust  
Thomas C. Woodson and Linda K. Woodson

COG Oper.  
2-24-2018



## **COG Operating LLC**

Eddy County, NM (NAD27 NME)

Grave Digger State Com

#8H

OH

Plan: Plan #1 09-21-15

Surface: 170' FSL, 1610' FWL, Sec 2, T20S, R25E, Unit N

BHL: 330' FNL, 1550' FWL, Sec 2, T20S, R25E, Lot #3

## **Standard Planning Report**

21 September, 2015







Phoenix Technology Services LP  
Planning Report



Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #8H
Company:	COG Operating LLC	TVD Reference:	KB @ 3405.00usft (Silver Oak 3)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3405.00usft (Silver Oak 3)
Site:	Grave Digger State Com	North Reference:	Grid
Well:	#8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1 09-21-15		

Project	Eddy County, NM (NAD27 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	Grave Digger State Com				
Site Position:		Northing:	585,277.40 usft	Latitude:	32° 36' 32.32192 N
From:	Map	Easting:	464,199.50 usft	Longitude:	104° 26' 58.54459 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.06 °

Well	#8H					
Well Position	+N/-S	-4,844.80 usft	Northing:	580,432.60 usft	Latitude:	32° 35' 44.34861 N
	+E/-W	-2,701.70 usft	Easting:	461,497.80 usft	Longitude:	104° 27' 30.06358 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,387.00 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/21/2015	7.68	60.42	48,417

Design	Plan #1 09-21-15			
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	359.48

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	
2,394.56	0.00	0.00	2,394.56	0.00	0.00	0.00	0.00	0.00	0.00	
3,217.29	90.50	359.48	2,915.42	525.39	-4.80	11.00	11.00	0.00	359.48	
7,438.33	90.50	359.48	2,878.58	4,746.10	-43.40	0.00	0.00	0.00	0.00	BHL (Grave Digger #7



Phoenix Technology Services LP  
Planning Report



Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #8H
Company:	COG Operating LLC	TVD Reference:	KB @ 3405.00usft (Silver Oak 3)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3405.00usft (Silver Oak 3)
Site:	Grave Digger State Com	North Reference:	Grid
Well:	#8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1 09-21-15		

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
2,394.56	0.00	0.00	2,394.56	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 11°/100' Build									
2,400.00	0.60	359.48	2,400.00	0.03	0.00	0.03	10.99	10.99	0.00
2,500.00	11.60	359.48	2,499.28	10.63	-0.10	10.63	11.00	11.00	0.00
2,600.00	22.60	359.48	2,594.72	39.99	-0.37	39.99	11.00	11.00	0.00
2,700.00	33.60	359.48	2,682.79	87.01	-0.80	87.02	11.00	11.00	0.00
2,800.00	44.60	359.48	2,760.28	149.98	-1.37	149.98	11.00	11.00	0.00
2,814.06	46.14	359.48	2,770.16	159.98	-1.46	159.99	11.00	11.00	0.00
PP (Grave Digger #7H)									
2,900.00	55.60	359.48	2,824.33	226.57	-2.07	226.58	11.00	11.00	0.00
3,000.00	66.60	359.48	2,872.59	313.98	-2.87	313.99	11.00	11.00	0.00
3,100.00	77.60	359.48	2,903.28	408.99	-3.74	409.00	11.00	11.00	0.00
3,200.00	88.60	359.48	2,915.28	508.10	-4.65	508.13	11.00	11.00	0.00
3,216.72	90.44	359.48	2,915.42	524.82	-4.80	524.84	11.00	11.00	0.00
TL, 2920' TVD @ 0 VZ, 90.5° Inc									
3,217.29	90.50	359.48	2,915.42	525.39	-4.80	525.41	11.00	11.00	0.00
Begin 90.5° Inc Hold, 359.48° Azm									
3,300.00	90.50	359.48	2,914.69	608.10	-5.56	608.12	0.00	0.00	0.00
3,400.00	90.50	359.48	2,913.82	708.09	-6.48	708.12	0.00	0.00	0.00
3,500.00	90.50	359.48	2,912.95	808.08	-7.39	808.11	0.00	0.00	0.00
3,600.00	90.50	359.48	2,912.08	908.07	-8.30	908.11	0.00	0.00	0.00
3,700.00	90.50	359.48	2,911.20	1,008.06	-9.22	1,008.11	0.00	0.00	0.00
3,800.00	90.50	359.48	2,910.33	1,108.06	-10.13	1,108.10	0.00	0.00	0.00
3,900.00	90.50	359.48	2,909.46	1,208.05	-11.05	1,208.10	0.00	0.00	0.00
4,000.00	90.50	359.48	2,908.58	1,308.04	-11.96	1,308.09	0.00	0.00	0.00
4,100.00	90.50	359.48	2,907.71	1,408.03	-12.88	1,408.09	0.00	0.00	0.00
4,200.00	90.50	359.48	2,906.84	1,508.02	-13.79	1,508.09	0.00	0.00	0.00
4,300.00	90.50	359.48	2,905.97	1,608.02	-14.70	1,608.08	0.00	0.00	0.00
4,400.00	90.50	359.48	2,905.09	1,708.01	-15.62	1,708.08	0.00	0.00	0.00
4,500.00	90.50	359.48	2,904.22	1,808.00	-16.53	1,808.08	0.00	0.00	0.00
4,600.00	90.50	359.48	2,903.35	1,907.99	-17.45	1,908.07	0.00	0.00	0.00
4,700.00	90.50	359.48	2,902.48	2,007.98	-18.36	2,008.07	0.00	0.00	0.00
4,800.00	90.50	359.48	2,901.60	2,107.98	-19.28	2,108.06	0.00	0.00	0.00
4,900.00	90.50	359.48	2,900.73	2,207.97	-20.19	2,208.06	0.00	0.00	0.00
5,000.00	90.50	359.48	2,899.86	2,307.96	-21.10	2,308.06	0.00	0.00	0.00
5,100.00	90.50	359.48	2,898.99	2,407.95	-22.02	2,408.05	0.00	0.00	0.00
5,200.00	90.50	359.48	2,898.11	2,507.94	-22.93	2,508.05	0.00	0.00	0.00
5,300.00	90.50	359.48	2,897.24	2,607.94	-23.85	2,608.05	0.00	0.00	0.00
5,400.00	90.50	359.48	2,896.37	2,707.93	-24.76	2,708.04	0.00	0.00	0.00
5,500.00	90.50	359.48	2,895.50	2,807.92	-25.68	2,808.04	0.00	0.00	0.00
5,600.00	90.50	359.48	2,894.62	2,907.91	-26.59	2,908.03	0.00	0.00	0.00
5,700.00	90.50	359.48	2,893.75	3,007.90	-27.51	3,008.03	0.00	0.00	0.00
5,800.00	90.50	359.48	2,892.88	3,107.90	-28.42	3,108.03	0.00	0.00	0.00
5,900.00	90.50	359.48	2,892.00	3,207.89	-29.33	3,208.02	0.00	0.00	0.00
6,000.00	90.50	359.48	2,891.13	3,307.88	-30.25	3,308.02	0.00	0.00	0.00
6,100.00	90.50	359.48	2,890.26	3,407.87	-31.16	3,408.01	0.00	0.00	0.00
6,200.00	90.50	359.48	2,889.39	3,507.86	-32.08	3,508.01	0.00	0.00	0.00
6,300.00	90.50	359.48	2,888.51	3,607.86	-32.99	3,608.01	0.00	0.00	0.00
6,400.00	90.50	359.48	2,887.64	3,707.85	-33.91	3,708.00	0.00	0.00	0.00
6,500.00	90.50	359.48	2,886.77	3,807.84	-34.82	3,808.00	0.00	0.00	0.00
6,600.00	90.50	359.48	2,885.90	3,907.83	-35.73	3,908.00	0.00	0.00	0.00
6,700.00	90.50	359.48	2,885.02	4,007.82	-36.65	4,007.99	0.00	0.00	0.00
6,800.00	90.50	359.48	2,884.15	4,107.82	-37.56	4,107.99	0.00	0.00	0.00



Phoenix Technology Services LP  
Planning Report



Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #8H
Company:	COG Operating LLC	TVD Reference:	KB @ 3405.00usft (Silver Oak 3)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	KB @ 3405.00usft (Silver Oak 3)
Site:	Grave Digger State Corn	North Reference:	Grid
Well:	#8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1 09-21-15		

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)
6,900.00	90.50	359.48	2,883.28	4,207.81	-38.48	4,207.98	0.00	0.00	0.00
7,000.00	90.50	359.48	2,882.41	4,307.80	-39.39	4,307.98	0.00	0.00	0.00
7,100.00	90.50	359.48	2,881.53	4,407.79	-40.31	4,407.98	0.00	0.00	0.00
7,200.00	90.50	359.48	2,880.66	4,507.78	-41.22	4,507.97	0.00	0.00	0.00
7,300.00	90.50	359.48	2,879.79	4,607.77	-42.14	4,607.97	0.00	0.00	0.00
7,400.00	90.50	359.48	2,878.91	4,707.77	-43.05	4,707.97	0.00	0.00	0.00
7,438.33	90.50	359.48	2,878.58	4,746.10	-43.40	4,746.29	0.00	0.00	0.00
TD at 7438.33' MD - BHL (Grave Digger #7H)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PP (Grave Digger #7H) - hit/miss target - Shape - Point	0.00	0.00	2,770.18	160.00	-1.46	580,592.60	461,496.34	32° 35' 45.93192 N	104° 27' 30.08288 W
BHL (Grave Digger #7H) - plan hits target center - Point	0.00	360.00	2,878.58	4,746.10	-43.40	585,178.70	461,454.40	32° 36' 31.31436 N	104° 27' 30.63620 W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,216.72	2,915.42	TL, 2920' TVD @ 0 VZ, 90.5° Inc		-0.50	359.48	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,394.56	2,394.56	0.00	0.00	KOP, Begin 11°/100' Build
3,217.29	2,915.42	525.39	-4.80	Begin 90.5° Inc Hold, 359.48° Azm
7,438.33	2,878.58	4,746.10	-43.40	TD at 7438.33' MD



Project: Eddy County, NM (NAD27 NME)  
Site: Grave Digger State Com  
Well: #8H  
Wellbore: OH  
Design: Plan #1 09-21-15  
Rig: Silver Oak 3



PHOENIX  
TECHNOLOGY SERVICES



Azimuths to Grid North  
True North: 0.07°  
Magnetic North: 7.75°  
Magnetic Field  
Strength: 48416.9nT  
Dip Angle: 60.42°  
Date: 9/21/2015  
Model: HDG3

#### WELL DETAILS

+N-S	+E-W	Northing	Ground Level	3387.00	Latitude	Longitude
0.00	0.00	580432.60	Easting	461497.80	32° 35' 44.34861 N	104° 27' 30.06358 W

#### SECTION DETAILS

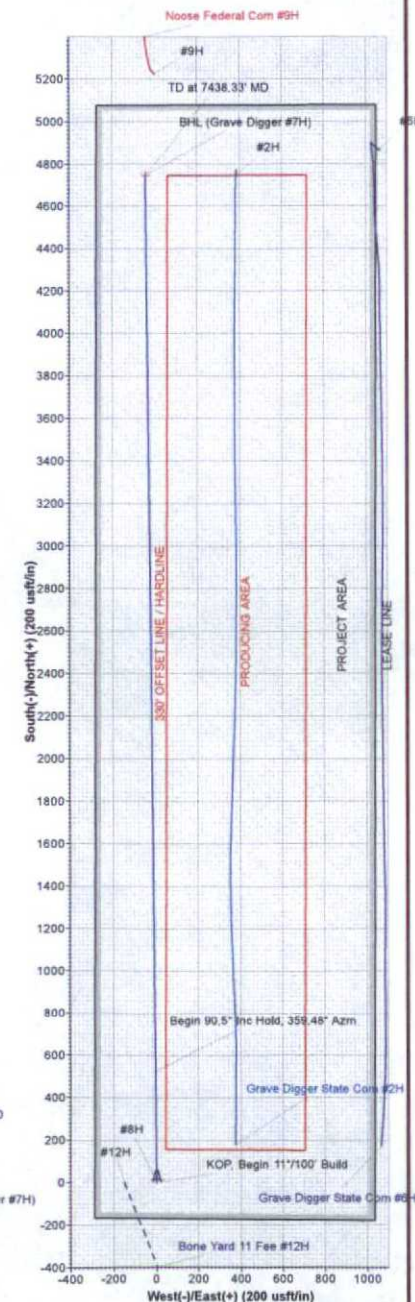
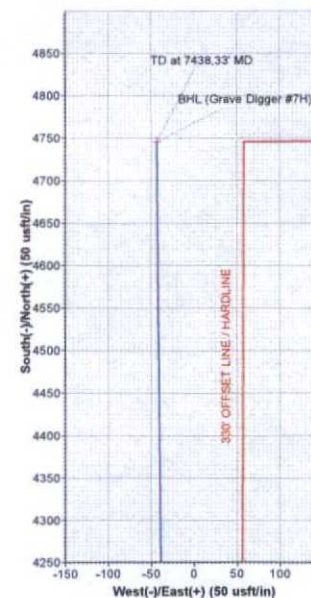
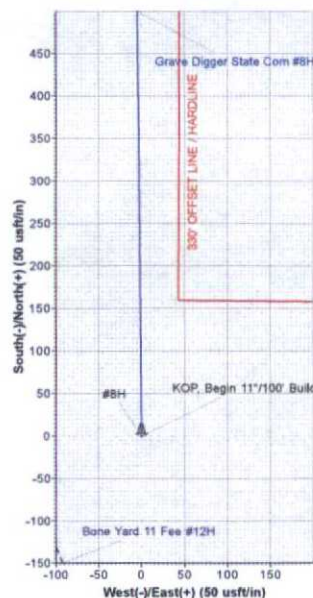
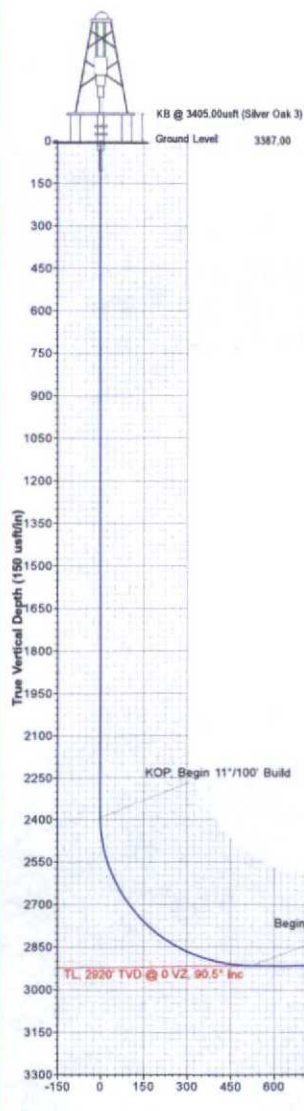
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	2394.56	0.00	0.00	2394.56	0.00	0.00	0.00	0.00	0.00		KOP. Begin 11°/100' Build
3	3217.29	90.50	359.48	2915.42	525.39	-4.80	11.00	359.48	525.42		Begin 90.5° Inc Hold 359.48° Azm
4	7438.33	90.50	359.48	2878.58	4746.10	-43.40	0.00	0.00	4746.30	BHL (Grave Digger #7H)	TD at 7438.33' MD

#### DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape
BHL (Grave Digger #7H)	2878.58	4746.10	-43.40	585178.70	461454.40	32° 36' 31.31436 N	104° 27' 30.63620 W	Point
- plan hits target center								

#### LEGEND

- #5H, ST01, Surveys (JW 4) V0
- #4H, OH, Surveys (JW 4) V0
- #2H, OH, Surveys (JW 4) V0
- #6H, WB1/Job #1310800, Surveys (JW 4) V0
- #9H, WB1/1410962, Surveys (Silver Oak 3) V0
- - - #12H, OH, Plan #3 09-28-15 V0
- Plan #1 09-21-15







## **COG Operating LLC**

Eddy County, NM (NAD27 NME)

Grave Digger State Com

#8H

OH

Plan #1 09-21-15

## **Anticollision Report**

28 September, 2015





Phoenix Technology Services LP  
Anticollision Report



Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #8H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 3405.00usft (Silver Oak 3)
Reference Site:	Grave Digger State Com	MD Reference:	KB @ 3405.00usft (Silver Oak 3)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Compass 5000 GCR
Reference Design:	Plan #1 09-21-15	Offset TVD Reference:	Offset Datum

Reference	Plan #1 09-21-15		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	2,387.00 to 2,431.00usft	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 9,999,999,999.00	Error Surface:	Circular Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date 9/24/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	7,438.33	Plan #1 09-21-15 (OH)	PHX+MWD+HDGM	PHX+MWD+HDGM

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bone Yard 11 Fee						
#12H - OH - Plan #3 09-28-15	2,400.00	2,419.68	147.88	131.05	8.786	CC, ES, SF
Grave Digger State Com						
#2H - OH - Surveys (JW 4)	2,400.00	7,060.00	463.95	375.61	5.252	CC, ES, SF
#4H - OH - Surveys (JW 4)	2,400.00	7,207.00	3,341.13	3,252.84	37.844	CC, ES, SF
#5H - ST01 - Surveys (JW 4)	2,400.00	7,316.00	767.76	677.60	8.515	CC, ES, SF
#6H - WB1/Job #1310800 - Surveys (JW 4)	2,400.00	7,440.00	1,176.37	1,085.79	12.987	CC, ES, SF
Noose Federal Com						
#9H - WB1/1410962 - Surveys (Silver Oak 3)	2,387.00	2,243.43	5,246.15	5,233.90	428.229	CC, ES
#9H - WB1/1410962 - Surveys (Silver Oak 3)	2,400.00	2,250.42	5,246.68	5,234.37	426.375	SF

Offset Design												Bone Yard 11 Fee - #12H - OH - Plan #3 09-28-15		Offset Site Error: 0.00 usft	
Survey Program: 0-PHX+MWD+HDGM														Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance								
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)				
2,387.00	2,387.00	2,405.51	2,405.24	8.35	8.39	-91.52	-3.93	-148.33	148.56	131.82	16.74	8.876			
2,394.56	2,394.56	2,413.77	2,413.41	8.37	8.42	-91.98	-5.11	-147.88	148.18	131.38	16.79	8.824			
2,400.00	2,400.00	2,419.68	2,419.23	8.39	8.44	-91.86	-6.02	-147.53	147.88	131.05	16.83	8.786	CC, ES, SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Phoenix Technology Services LP  
Anticollision Report



Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #8H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 3405.00usft (Silver Oak 3)
Reference Site:	Grave Digger State Com	MD Reference:	KB @ 3405.00usft (Silver Oak 3)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Compass 5000 GCR
Reference Design:	Plan #1 09-21-15	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 100-NS-GYRO-MS, 2344-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)		
2,387.00	2,387.00	7,060.00	2,679.34	8.35	79.96	64.53	178.52	374.71	469.92	381.62	88.30	5.322	
2,394.56	2,394.56	7,060.00	2,679.34	8.37	79.96	64.53	178.52	374.71	466.42	378.09	88.33	5.281	
2,400.00	2,400.00	7,060.00	2,679.34	8.39	79.96	65.33	178.52	374.71	463.95	375.81	88.35	5.252 CC, ES, SF	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Phoenix Technology Services LP  
Anticollision Report



Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #8H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 3405.00usft (Silver Oak 3)
Reference Site:	Grave Digger State Corn	MD Reference:	KB @ 3405.00usft (Silver Oak 3)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore:	OH	Database:	Compass 5000 GCR
Reference Design:	Plan #1 09-21-15	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Grave Digger State Corn - #4H - OH - Surveys (JW 4)													Offset Well Error:	0.00 usft
Survey Program: 100-Scientific Gyro, 2344-MWD														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)			
2,387.00	2,387.00	7,207.00	2,868.87	8.35	79.90	87.57	140.75	3,311.27	3,342.80	3,254.56	88.24	37.883		
2,394.56	2,394.56	7,207.00	2,868.87	8.37	79.90	87.57	140.75	3,311.27	3,341.82	3,253.56	88.27	37.860		
2,400.00	2,400.00	7,207.00	2,868.87	8.39	79.90	88.17	140.75	3,311.27	3,341.13	3,252.84	88.29	37.844	CC, ES, SF	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation





Phoenix Technology Services LP  
Anticollision Report



Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #8H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 3405.00usft (Silver Oak 3)
Reference Site:	Grave Digger State Com	MD Reference:	KB @ 3405.00usft (Silver Oak 3)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Compass 5000 GCR
Reference Design:	Plan #1 09-21-15	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 100-Scientific Gyro, 2339-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
2,387.00	2,387.00	7,316.00	2,859.12	8.35	81.77	-72.95	195.88	-638.85	774.25	684.14	90.12	8.592		
2,394.56	2,394.56	7,316.00	2,859.12	8.37	81.77	-72.95	195.88	-638.85	770.46	680.32	90.14	8.547		
2,400.00	2,400.00	7,316.00	2,859.12	8.39	81.77	-72.76	195.88	-638.85	767.76	677.60	90.16	8.515 CC, ES, SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Phoenix Technology Services LP  
Anticollision Report



Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #8H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 3405.00usft (Silver Oak 3)
Reference Site:	Grave Digger State Com	MD Reference:	KB @ 3405.00usft (Silver Oak 3)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Compass 5000 GCR
Reference Design:	Plan #1 09-21-15	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Grave Digger State Com - #8H - WB1/Job #1310800 - Surveys (JW 4)													Offset Well Error:	0.00 usft
Survey Program: 100-VES-ISCWSA-GYRO-3, 2370-MWD														
Reference		Offset		Semi Major Axis			Distance							
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Minimum	Separation	Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
2,387.00	2,387.00	7,440.00	2,933.84	8.35	82.19	80.91	170.49	1,065.79	1,181.60	1,091.07	90.53	13.051		
2,394.56	2,394.56	7,440.00	2,933.84	8.37	82.19	80.91	170.49	1,065.79	1,178.55	1,087.99	90.56	13.014		
2,400.00	2,400.00	7,440.00	2,933.84	8.39	82.19	81.69	170.49	1,065.79	1,176.37	1,085.79	90.58	12.987 CC, ES, SF		



Phoenix Technology Services LP  
Anticollision Report



Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #8H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 3405.00usft (Silver Oak 3)
Reference Site:	Grave Digger State Com	MD Reference:	KB @ 3405.00usft (Silver Oak 3)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Compass 5000 GCR
Reference Design:	Plan #1 09-21-15	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 100-VES-ISCWSA-GYRO-3, 2281-PHX+MWD+IGRF												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)		
2,387.00	2,387.00	2,243.43	2,243.08	8.35	3.91	-0.19	5,241.42	-17.77	5,246.15	5,233.90	12.25	428.229 CC, ES	
2,394.56	2,394.56	2,247.50	2,247.14	8.37	3.91	-0.20	5,241.60	-17.90	5,246.47	5,234.19	12.28	427.150	
2,400.00	2,400.00	2,250.42	2,250.06	8.39	3.91	0.33	5,241.72	-18.00	5,246.68	5,234.37	12.31	426.375 SF	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



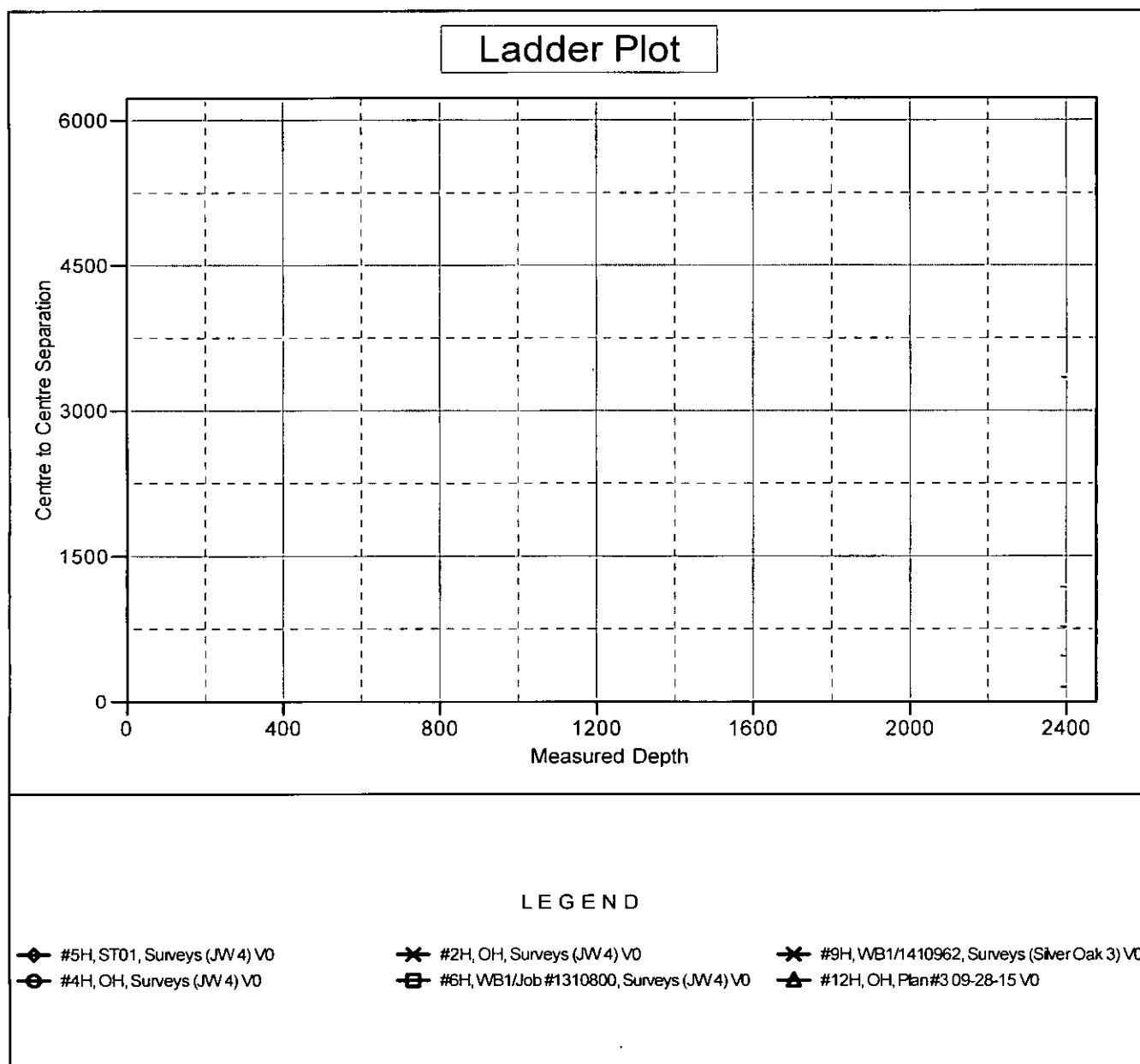
Phoenix Technology Services LP  
Anticollision Report



Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #8H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 3405.00usft (Silver Oak 3)
Reference Site:	Grave Digger State Corn	MD Reference:	KB @ 3405.00usft (Silver Oak 3)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Compass 5000 GCR
Reference Design:	Plan #1 09-21-15	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3405.00usft (Silver Oak 3)  
Offset Depths are relative to Offset Datum  
Central Meridian is 104° 19' 60.00000 W

Coordinates are relative to: #8H  
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
Grid Convergence at Surface is: -0.07°







Phoenix Technology Services LP  
Anticollision Report

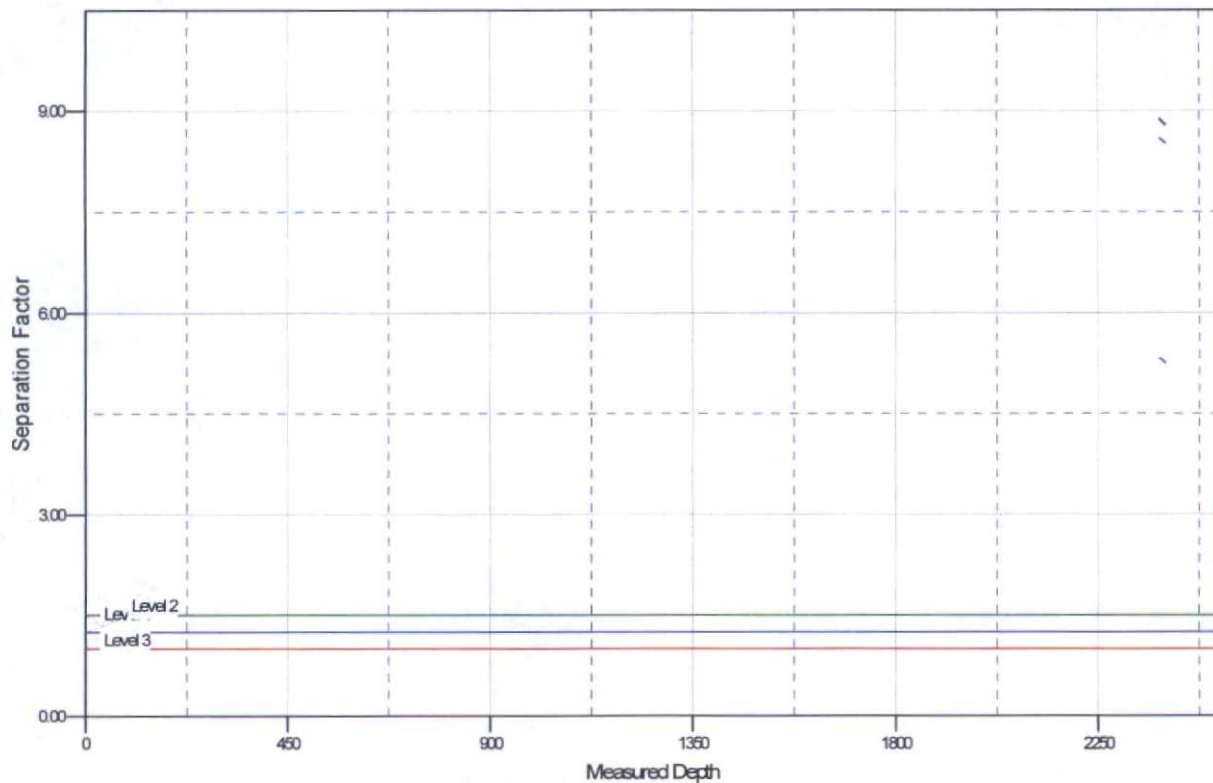


Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #8H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	KB @ 3405.00usft (Silver Oak 3)
Reference Site:	Grave Digger State Com	MD Reference:	KB @ 3405.00usft (Silver Oak 3)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	#8H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Compass 5000 GCR
Reference Design:	Plan #1 09-21-15	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3405.00usft (Silver Oak 3)  
Offset Depths are relative to Offset Datum  
Central Meridian is 104° 19' 60.00000 W

Coordinates are relative to: #8H  
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
Grid Convergence at Surface is: -0.07°

## Separation Factor Plot



### LEGEND

- #5H, ST01, Surveys (JW 4) V0
- #4H, OH, Surveys (JW 4) V0
- #2H, OH, Surveys (JW 4) V0
- #6H, WB1/Job #1310800, Surveys (JW 4) V0
- #9H, WB1/1410962, Surveys (Silver Oak 3) V0
- #12H, OH, Plan#3 09-28-15 V0

**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

Thomas C. Woodson and Linda K. Woodson, JTWROS  
PO Box 120757  
Arlington, TX 76012

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

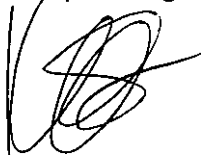
**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,

COG Operating LLC




Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>		A. Signature X <i>Linda K. Woodson</i> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Thomas C. Woodson and Linda K. Woodson, JTWROS PO Box 120757 Arlington, TX 76012		B. Received by (Printed Name) <i>Linda K. Woodson</i> C. Date of Delivery <i>10/13/15</i> D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, enter delivery address below:	
		3. Service type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2. Article Number (Transfer from service label)		91 7199 9991 7035 3278 5000	
PS Form 3811, February 2004		Domestic Return Receipt 102595-02-M-1540	

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

COG Operating LLC  
One Concho Center  
Attn: Kelly Holly  
600 W Illinois Ave  
Midland, TX 79701

**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

Laurence David Willard, S&SP  
11020 Mira Vista Place  
Albuquerque, NM 87123

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,

COG Operating LLC




Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)



SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>		A. Signature X <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:  Laurence David Willard, S&SP 11020 Mira Vista Place Albuquerque, NM 87123		B. Received by (Printed Name) C. Date of Delivery <i>LAURENCE D WILLARD</i>	
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below <input type="checkbox"/> No	
		3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
2. Article Number (Transfer from service label)		91 7199 9991 7033 3878 7239	
PS Form 3811, February 2004		Domestic Return Receipt	
		102595-02-M-1540	

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

COG Operating LLC  
One Concho Center  
Attn: Kelly Holly  
600 W Illinois Ave  
Midland, TX 79701

**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

Cheryl Ann Currier, s&sp  
PO Box 1813  
Artesia, NM 88211

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,

COG Operating LLC



Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature  <i>Lucy Brandon</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>Cheryl Ann Turner, s&amp;sp            PO Box 1813            Artesia, NM 88211</p>		<p>B. Received by (Printed Name)  <i>Lucy Brandon</i></p> <p>C. Date of Delivery  <b>OCT 12 2013</b></p>	
<p>2. Article Number            (Transfer from service label) <b>91 7199 9991 7033 3878 7253</b></p>		<p>D. Is delivery address different from item 12? <input type="checkbox"/> Yes            If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>			

UNITED STATES POSTAL SERVICE

First-Class Mail  
 Postage & Fees Paid  
 USPS  
 Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

COG Operating LLC  
 One Concho Center  
 Attn: Kelly Holly  
 600 W Illinois Ave  
 Midland, TX 79701

**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

William J. Duncan (lease adds Carol O. Duncan, JTWROS)  
1414 Crownhill Drive  
Arlington, TX 76012

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

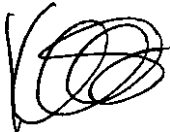
**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.


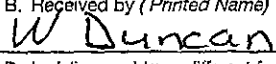

Sincerely,

COG Operating LLC




Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature   <input type="checkbox"/> Agent  <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>William J. Duncan (lease adds Carol O. Duncan, JTWROS)            1414 Crownhill Drive            Arlington, TX 76012</p>		<p>B. Received by (Printed Name)   W. Duncan</p> <p>C. Date of Delivery            10-8-15</p>	
<p>2. Article Number            (Transfer from service label)</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes            If YES, enter delivery address below: <input type="checkbox"/> No</p> <p><b>RECEIVED</b>  <b>OCT 12 2015</b>            BY </p>	
<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>			

UNITED STATES POSTAL SERVICE



First-Class Mail  
 Postage & Fees Paid  
 USPS  
 Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

COG Operating LLC  
 One Concho Center  
 Attn: Kelly Holly  
 600 W Illinois Ave  
 Midland, TX 79701

**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

Constance D. Connelly, Trustee of the Constance D. Connelly 2015 Rev Trust,  
dtd 3/6/15

1014 Whispering Oak Court  
Arlington, TX 76012

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,

COG Operating LLC




Kelly J. Holly  
Permitting Tech

432-685-4384

[kholly@concho.com](mailto:kholly@concho.com)



SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature <i>Constance D Connelly Trustee</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>Constance D. Connelly, Trustee of the Constance D. Connelly 2015 Rev Trust, dtd 3/6/15 1014 Whispering Oak Court Arlington, TX 76012</p>		<p>B. Received by (Printed Name) <i>Constance D Connelly Trustee</i></p> <p>C. Date of Delivery <i>10-8-15</i></p>	
		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If YES, enter delivery address below:</p> <p><b>RECEIVED</b> <b>OCT 12 2015</b> BY: _____</p>	
		<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>2. Article Number (Transfer from service label)</p>		<p>91 7199 9991 7035 3278 4959</p>	
PS Form 3811, February 2004		Domestic Return Receipt 102595-02-M-1540	

UNITED STATES POSTAL SERVICE				<p>First-Class Mail Postage &amp; Fees Paid USPS Permit No. G-10</p>	
<p>• Sender: Please print your name, address, and ZIP+4 in this box •</p>					
<p>COG Operating LLC One Concho Center Attn: Kelly Holly 600 W Illinois Ave Midland, TX 79701</p>					

**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

H.F. Investments, LLC  
3018 S. High Street  
Denver, CO 80210

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

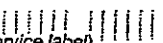
Sincerely,

COG Operating LLC



Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature  <input checked="" type="checkbox"/> Agent  <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>H.F. Investments, LLC            3018 S. High Street            Denver, CO 80210</p>		<p>B. Received by (Printed Name)            Tyson dearduff</p> <p>C. Date of Delivery            OCT 13 2015</p>	
<p>2. Article Number:             (Transfer from service label)</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes            If YES, enter delivery address below <input type="checkbox"/> No</p>	
<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>PS Form 3811, February 2004</p>		<p>Domestic Return Receipt 102595-02-M-1540</p>	

UNITED STATES POSTAL SERVICE	
<p>First-Class Mail            Postage &amp; Fees Paid            USPS            Permit No. G-10</p>	
<p>• Sender: Please print your name, address, and ZIP+4 in this box •</p> <p>COG Operating LLC            One Concho Center            Attn: Kelly Holly            600 W Illinois Ave            Midland, TX 79701</p>	

**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

Steven R. Willard, s&sp  
PO Box 1175  
Artesia, NM 88211

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

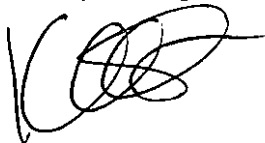
**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,


COG Operating LLC



Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>		A. Signature <input checked="" type="checkbox"/> <i>Steven R. Willard</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:  Steven R. Willard, s&sp PO Box 1175 Artesia, NM 88211		B. Received by (Printed Name) <i>Steve Willard</i> C. Date of Delivery <i>10-9-15</i> D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No <i>PO 1174</i> <i>ARTESIA NM 88211</i>	
2. Article Number (Transfer from service label) <i>91 7199 9991 7033 3878 7246</i>		3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
PS Form 3811, February 2004		Domestic Return Receipt 102595-02-M-1540	

UNITED STATES POSTAL SERVICE				First-Class Mail Postage & Fees Paid USPS Permit No. G-10
<p>• Sender: Please print your name, address, and ZIP+4 in this box •</p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>COG Operating LLC  One Concho Center  Attn: Kelly Holly  600 W Illinois Ave  Midland, TX 79701</p> </div>				

**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

Tarleton A. Woodson, a/k/a T.A. Woodson and Sherrill M. Woodson, Trustees of  
the Tarleton A. Woodson, a/k/a T.A. Woodson and Sherrill M. Woodson Rev  
Trust created 5/6/98  
PO Box 195  
Acton, CA 93510

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has  
requested administrative approval from the Oil Conservation Division in Santa  
Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty  
(20) days from the date of this notice. The Division Director may allow COG to  
produce from the unorthodox location after the well is drilled, if no objection has  
been made within the 20 days after the application has been received.

Sincerely,

COG Operating LLC



Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature  X <u>T.A. Woodson</u> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to: <b>OCT 15 2015</b></p> <p>Tarleton A. Woodson, a/k/a T.A. Woodson and Sherrill M. Woodson, Trustees of the Tarleton A. Woodson, a/k/a T.A. Woodson and Sherrill M. Woodson Rev Trust created 5/6/98  PO Box 195  Acton, CA 93510</p>		<p>B. Received by (Printed Name) <u>T.A. Woodson</u> C. Date of Delivery <u>10/19/15</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes  If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>	
		<p>3. Service Type -</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>2. Article Number (Transfer from service label) <u>91 7199 9991 7035 3278 4980</u></p>			
PS Form 3811, February 2004		Domestic Return Receipt	
		102595-02-M-1540	

UNITED STATES POSTAL SERVICE		MIDLAND / ODESSA		TX 797 1 L		14 OCT 2015 PM		First-Class Mail Postage & Fees Paid USPS Permit No. G-10	
<p>• Sender: Please print your name, address, and ZIP+4 in this box •</p> <p>COG Operating LLC  One Concho Center  Attn: Kelly Holly 1CC-757  600 W Illinois Ave  Midland, TX 79701</p>									

**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

Janet M. Hanley  
5422 Beaver Lodge Drive  
Kingsville, TX 77345

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,

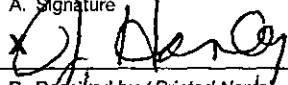
COG Operating LLC

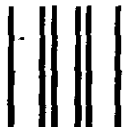


Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)



SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>		A. Signature  <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:  Janet M. Hanley 5422 Beaver Lodge Drive Kingsville, TX 77345		B. Received by (Printed Name) Janet Hanley C. Date of Delivery  	
2. Article Number: (Transfer from service label)		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No <div style="text-align: center; border: 1px solid black; padding: 5px;"> RECEIVED  OCT 16 2015 </div>	
3. Service Type: <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
PS Form 3811, February 2004		Domestic Return Receipt	
		102585-02-M-1540	

UNITED STATES POSTAL SERVICE				First-Class Mail Postage & Fees Paid USPS Permit No. G-10	
<p>• Sender: Please print your name, address, and ZIP+4 in this box •</p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> COG Operating LLC  One Concho Center  Attn: Kelly Holly  600 W Illinois Ave  Midland, TX 79701 </div>					

**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

Robert L. Aho and Sharon K. Aho, husband and wife, JTWROS  
2941 W. Rome Avenue  
Anaheim, CA 92804

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,


COG Operating LLC



Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you.</p> <p>Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature  <input checked="" type="checkbox"/> Agent  <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>Robert L. Aho and Sharon K. Aho,  husband and wife, JTWR0S  2941 W. Rome Avenue  Anaheim, CA 92804</p>		<p>B. Received by (Printed Name)  Robert L. Aho</p> <p>C. Date of Delivery  12/19/15</p>	
<p>2. Article Number  (Transfer from service label): 91 7199 9991 7033 3878 7277</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes  if YES, enter delivery address below <input checked="" type="checkbox"/> No</p> <p><b>DECLINED</b>  OCT 19 2015  BY: [Signature]</p>	
		<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>			

UNITED STATES POSTAL SERVICE				First-Class Mail Postage & Fees Paid USPS Permit No. G-10	
<p>• Sender: Please print your name, address, and ZIP+4 in this box •</p> <p>COG Operating LLC  One Concho Center  Attn: Kelly Holly  600 W Illinois Ave  Midland, TX 79701</p>					

**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

Catherine Connolly, Trustee of the Catherine Connolly Trust, a Revocable Trust  
under Agmt dtd 12-30-10. and to the Successor Trustees  
10306 Eaton Place, Suite 130  
Fairfax, VA 22030

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,

COG Operating LLC



Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)

OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

**CERTIFIED MAIL**

91 7199 9991 7033 3878 7260



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Catherine Connolly, Trustee of the  
Catherine Connolly Trust, a Revocable  
Trust under Agmt dtd 12-30-10. and to  
the Successor Trustees  
10306 Eaton Place, Suite 130

VA

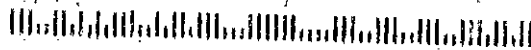
NIXIE

220302259-1N

10/15/15

RETURN TO SENDER  
VACANT  
UNABLE TO FORWARD  
RETURN TO SENDER

①



**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

David R. Woodson and Loretta M. Woodson, Trustees of the David R. Woodson  
and Loretta M. Woodson Living Trust dtd 1/4/99  
20313 NE 89th Avenue  
Battleground, WA 98604

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has  
requested administrative approval from the Oil Conservation Division in Santa  
Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty  
(20) days from the date of this notice. The Division Director may allow COG to  
produce from the unorthodox location after the well is drilled, if no objection has  
been made within the 20 days after the application has been received.

Sincerely,


COG Operating LLC



Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature  <i>x David R Woodson</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>David R. Woodson and Loretta M. Woodson,  Trustees of the David R. Woodson and Loretta M.  Woodson Living Trust dtd 1/4/99  20313 NE 89th Avenue  Battleground, WA 98604</p>		<p>B. Received by (Printed Name)  <i>DAVID R Woodson</i></p> <p>C. Date of Delivery  <i>OCT 19 2015</i></p>	
		<p>D. Is delivery address different from item 1? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  If YES, enter delivery address below:</p>	
		<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>2. Article Number:  (Transfer from service label)</p>		<p><i>91 7199 9991 7035 3278 4973</i></p>	
PS Form 3811, February 2004		Domestic Return Receipt	
		102595-02-M-1540	

UNITED STATES POSTAL SERVICE				First-Class Mail Postage & Fees Paid USPS Permit No. G-10	
<p>• Sender: Please print your name, address, and ZIP+4 in this box •</p>					
<p>COG Operating LLC  One Concho Center  Attn: Kelly Holly  600 W Illinois Ave  Midland, TX 79701</p>					



**COG OPERATING LLC  
600 W Illinois Ave  
MIDLAND, TX 79701**

October 6, 2015

William S. Woodson and Linda Kay Woodson, Trustees of the William S.  
Woodson and Linda Kay Woodson Trust dtd 12/17/99  
211 Dunes Street  
Morrow Bay, CA 93442

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox N Seven Rivers; Glorieta Yeso oil well.

**Grave Digger State Com #8H  
Eddy County, NM**

**Non-Standard Location:**

SHL: 170' FSL & 1610' FWL	Sec 2, T20S, R25E, Unit N
BHL: 330' FNL & 1550' FWL	Sec 2, T20S, R25E, Lot 3

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

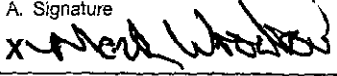

Sincerely,


COG Operating LLC



Kelly J. Holly  
Permitting Tech

432-685-4384  
[kholly@concho.com](mailto:kholly@concho.com)

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature  </p> <p><input checked="" type="checkbox"/> Agent  <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>William S. Woodson and Linda Kay Woodson,  Trustees of the William S. Woodson and Linda Kay  Woodson Trust dtd 12/17/99  211 Dunes Street  Morrow Bay, CA 93442</p>		<p>B. Received by (Printed Name)</p>	<p>C. Date of Delivery  10/13</p>
<p>2. Article Number  (Transfer from service label)</p> <p>91 7199 9991 7035 3278 4997</p>		<p>D. Is delivery restricted to item 1? <input type="checkbox"/> Yes  If YES, enter delivery address below: <input type="checkbox"/> No</p> <p><b>RECEIVED</b>  OCT 19 2015  BY: </p>	
<p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	
<p>PS Form 3811, February 2004</p>		<p>Domestic Return Receipt</p>	
		<p>102595-02-M-1540</p>	

<p>UNITED STATES POSTAL SERVICE</p>		<p>First-Class Mail  Postage &amp; Fees Paid  USPS  Permit No. G-10</p>
<p>• Sender: Please print your name, address, and ZIP+4 in this box •</p> <p>COG Operating LLC  One Concho Center  Attn: Kelly Holly  600 W Illinois Ave  Midland, TX 79701</p>		

**Lowe, Leonard, EMNRD**

---

**From:** Lowe, Leonard, EMNRD  
**Sent:** Friday, October 23, 2015 10:39 AM  
**To:** 'Robyn Odom'  
**Cc:** McMillan, Michael, EMNRD; Jones, William V, EMNRD  
**Subject:** RE: Grave Digger State Com. Well No. 8H

**Importance:** High

Robyn Odom,

Good morning.

My name is Leonard Lowe and I will be processing your application shortly.

I will start working for the Engineering Bureau on Monday, October 26<sup>th</sup>, 2015. I hope to have my new office fully functioning by Tuesday, October 27, if not sooner. There after I intend to work with Mr. McMillan on processing your application.

Thank you,

**Leonard Lowe**  
Oil Conservation Division  
Energy Minerals and Natural Resources Department  
1220 South St. Frances  
Santa Fe, New Mexico 87004  
Office: 505-476-3492  
Fax: 505-476-3462  
E-mail: [leonard.lowe@state.nm.us](mailto:leonard.lowe@state.nm.us)  
Website: <http://www.emnrd.state.nm.us/ocd/>

---

**From:** Robyn Odom [mailto:[rodom@concho.com](mailto:rodom@concho.com)]  
**Sent:** Thursday, October 22, 2015 3:10 PM  
**To:** McMillan, Michael, EMNRD <[Michael.McMillan@state.nm.us](mailto:Michael.McMillan@state.nm.us)>  
**Cc:** Lowe, Leonard, EMNRD <[Leonard.Lowe@state.nm.us](mailto:Leonard.Lowe@state.nm.us)>  
**Subject:** RE: Grave Digger State Com. Well No. 8H

Hey Michael,

I believe that the first perf will be around 330 FSL & 1600 FWL and the last perf will be around 350 FNL & 1550 FWL.

Thank you,

Robyn Odom  
(432) 685-4385  
[Rodom@concho.com](mailto:Rodom@concho.com)

---

**From:** McMillan, Michael, EMNRD [<mailto:Michael.McMillan@state.nm.us>]  
**Sent:** Wednesday, October 21, 2015 4:28 PM  
**To:** Robyn Odom  
**Cc:** Lowe, Leonard, EMNRD  
**Subject:** [External] Grave Digger State Com. Well No. 8H

Ms. Odom:

I need the following information for the Grave Digger State Com. Well No. 8H.

- The first perf distance from Section boundary (from South and West) Is it 396FSL & 1600FEL? If that is correct, then Unit M is affected
- The final perf distance from Section boundary (from North and West) Is it 880FNI & 1545? If that is correct, then Lot 4 is affected, and SW/4Sw/4 Section 35 T19S R25E is affected

These are best guesses, so tell me if you have different numbers.

These will determine who are the affected parties

Thank you

## **Michael A. McMillan**

Engineering and Geological Services Bureau, Oil Conservation Division  
1220 South St. Francis Dr., Santa Fe NM 87505  
O: 505.476.3448 F. 505.476.3462  
[Michael.mcmillan@state.nm.us](mailto:Michael.mcmillan@state.nm.us)

CONFIDENTIALITY NOTICE: The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

## LEGAL NOTICE

COG Operating LLC is applying for a non-standard location with the NM Oil Conservation Division to produce 2 oil and gas wells in Eddy County, NM. The 2 well locations and names are as follows:

Bradley 8 Fee #5H  
Eddy County, NM  
API# 30-015-43004  
Surface: 150' FSL & 1157' FWL, Sec 8  
T19S, R26E, Unit M  
Wildcat; G-01 S192617K Gior-Yeso

Grave Digger State Com #8H  
Eddy County, NM  
API# 30-015-43397  
Surface: 170' FSL & 1610' FWL, Sec 2  
T20S, R25E, Unit N  
N. Seven Rivers; Glorieta-Yeso

Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division 1220 South Saint Francis Dr. Santa Fe, NM 87505 within 20 days. Additional information can be obtained by contacting Robyn Odom, COG Operating LLC, 600 West Illinois Ave, Midland, TX 79701. Phone 432.685.4385

Published in the Artesia Daily Press, Artesia, N.M., Oct. 28, 2015 Legal No. 23698.

MMCMILLAN (PETROLEUM ENGINEER FOR OCD) SIGN OUT HELP

[Wells](#) [Operator Data](#) [OCD Review](#) [OCD Only](#) [Administration](#)

## OCD Permitting

[Home](#) [Land Searches](#) [Land Details](#)

### Section : 02-20S-25E

Type: Normal

Total Acres: 641.04

County: Eddy (15)

D (4) Federal <sup>1</sup> State <sup>2</sup> (15) 40.46	C (3) Federal <sup>1</sup> State <sup>2</sup> (15) 40.32	B (2) Federal <sup>1</sup> State <sup>2</sup> (15) 40.2	A (1) Federal <sup>1</sup> State <sup>2</sup> (15) 40.06
E (E) Federal <sup>1</sup> State <sup>2</sup> (15) 40	F (F) Federal <sup>1</sup> State <sup>2</sup> (15) 40	G (G) Federal <sup>1</sup> State <sup>2</sup> (15) 40	H (H) Fee <sup>1</sup> Fee <sup>2</sup> (15) 40
L (L) Federal <sup>1</sup> State <sup>2</sup> (15) 40	K (K) Fee <sup>1</sup> Fee <sup>2</sup> (15) 40	J (J) Fee <sup>1</sup> Fee <sup>2</sup> (15) 40	I (I) Fee <sup>1</sup> Fee <sup>2</sup> (15) 40
M (M) Federal <sup>1</sup> Federal <sup>2</sup> (15) 40	N (N) Fee <sup>1</sup> Fee <sup>2</sup> (15) 40	O (O) Fee <sup>1</sup> Fee <sup>2</sup> (15) 40	P (P) Fee <sup>1</sup> Fee <sup>2</sup> (15) 40

Note <sup>1</sup> = Surface Owner RightsNote <sup>2</sup> = Sub-Surface Mineral Rights

#### Land Restrictions

No land restrictions found for this section.

[Return to Search](#)

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012  
1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

[EMNRD Home](#) [OCD Main Page](#) [OCD Rules](#) [Help](#)