

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

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

WELL API NO. 30-015-40214
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Clydesdale 1 Fee
8. Well Number 1H
9. OGRID Number 229137
10. Pool name or Wildcat Penasco Draw; SA-Yeso (Assoc) 50270

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator COG Operating LLC	
3. Address of Operator One Concho Center - 600 W Illinois Ave Midland, TX 79701	
4. Well Location Unit Letter <u>A/1</u> : <u>380</u> feet from the <u>NORTH</u> line and <u>150</u> feet from the <u>EAST</u> line Section <u>1</u> Township <u>19S</u> Range <u>25E</u> NMPM County <u>EDDY</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3434'	

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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: **Change TVD** ☒

OTHER: ☐

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

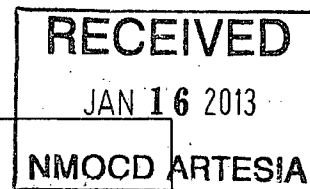
COG Operating LLC respectfully requests permission to change TVD:

FROM: 2928'
TO: 2632'

A revised directional plan is attached for your review.

Spud Date:

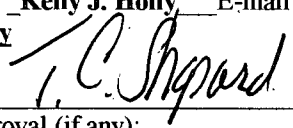
Rig Release Date:

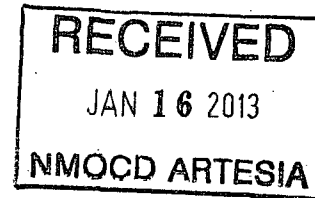


I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Permitting Tech DATE 01/15/2013

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 1/18/2013
Conditions of Approval (if any):



Concho

**Eddy County, New Mexico (Nad27)
Clydesdale 1 Fee #1H**

OH (UDI 40)

Plan #1 - 01-11-2013

Surface: 380' FNL, 150' FEL, Sec 1, T19S, R25E, Unit A (Lot 1)

PP: 380' FNL, 330' FEL, Sec 1, T19S, R25E, Unit A (Lot 1)

BHL: 380' FNL, 330' FWL, Sec 1, T19S, R25E, Unit D (Lot 4)

Standard Planning Report

11 January, 2013



Phoenix
Planning Report

Database:	GCR/DB	Local Co-ordinate Reference:	Well #1H
Company:	Concho	TVD Reference:	RF @ 3448.00usft (UDI 40)
Project:	Eddy County, New Mexico (Nad27)	MD Reference:	RF @ 3448.00usft (UDI 40)
Site:	Clydesdale 1 F	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH (UDI 40)		
Design:	Plan #1 - 01-11-2013		

Project	Eddy County, New Mexico (Nad27)		
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	Clydesdale 1 F		
Site Position:		Northing:	616,840.10 usft
From:	Map	Easting:	470,401.70 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 41' 44.7178 N
		Longitude:	104° 25' 46.3689 W
		Grid Convergence:	-0.05 °

Well	#1H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	Ground Level:
			3,434.00 usft

Wellbore	OH (UDI 40)		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010_14	01/11/13	7.82
			Dip Angle
			(°)
			60.44
			Field Strength
			(nT)
			48,647

Design	Plan #1 - 01-11-2013		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			271.25

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,300.88	0.00	0.00	2,300.88	0.00	0.00	0.00	0.00	0.00	0.00	
3,141.79	92.50	271.25	2,821.26	11.81	-543.46	11.00	11.00	0.00	271.25	
7,489.79	92.50	271.25	2,631.60	106.20	-4,886.30	0.00	0.00	0.00	0.00	PBHL-Clydesdale 1 F



Phoenix
Planning Report

Database:	GCR/DB	Local Co-ordinate/Reference:	Well #1H
Company:	Concho	TVD Reference:	RF @ 3448.00usft (UDI 40)
Project:	Eddy County, New Mexico (Nad27)	MD Reference:	RF @ 3448.00usft (UDI 40)
Site:	Clydesdale 1 Fee	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH (UDI 40)		
Design:	Plan #1-01-11-2013		

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
2,300.88	0.00	0.00	2,300.88	0.00	0.00	0.00	0.00	0.00	0.00
KOP Start Build 11.00									
2,400.00	10.90	271.25	2,399.40	0.20	-9.40	9.40	11.00	11.00	0.00
2,500.00	21.90	271.25	2,495.19	0.82	-37.59	37.60	11.00	11.00	0.00
2,600.00	32.90	271.25	2,583.83	1.82	-83.53	83.55	11.00	11.00	0.00
2,700.00	43.90	271.25	2,662.07	3.16	-145.54	145.58	11.00	11.00	0.00
2,747.52	49.13	271.25	2,694.76	3.91	-180.00	180.04	11.00	11.00	0.00
PP Clydesdale 1 Fee #1H									
2,800.00	54.90	271.25	2,727.05	4.81	-221.34	221.39	11.00	11.00	0.00
2,900.00	65.90	271.25	2,776.36	6.70	-308.14	308.21	11.00	11.00	0.00
3,000.00	76.90	271.25	2,808.20	8.75	-402.75	402.84	11.00	11.00	0.00
3,100.00	87.90	271.25	2,821.40	10.90	-501.69	501.81	11.00	11.00	0.00
3,141.79	92.50	271.25	2,821.26	11.81	-543.46	543.59	11.00	11.00	0.00
LP Start 4348.00 hold at 3141.79 MD									
3,200.00	92.50	271.25	2,818.72	13.08	-601.60	601.74	0.00	0.00	0.00
3,300.00	92.50	271.25	2,814.36	15.25	-701.48	701.65	0.00	0.00	0.00
3,400.00	92.50	271.25	2,809.99	17.42	-801.36	801.55	0.00	0.00	0.00
3,500.00	92.50	271.25	2,805.63	19.59	-901.25	901.46	0.00	0.00	0.00
3,600.00	92.50	271.25	2,801.27	21.76	-1,001.13	1,001.36	0.00	0.00	0.00
3,700.00	92.50	271.25	2,796.91	23.93	-1,101.01	1,101.27	0.00	0.00	0.00
3,800.00	92.50	271.25	2,792.55	26.10	-1,200.89	1,201.17	0.00	0.00	0.00
3,900.00	92.50	271.25	2,788.18	28.27	-1,300.77	1,301.08	0.00	0.00	0.00
4,000.00	92.50	271.25	2,783.82	30.44	-1,400.65	1,400.98	0.00	0.00	0.00
4,100.00	92.50	271.25	2,779.46	32.61	-1,500.53	1,500.89	0.00	0.00	0.00
4,200.00	92.50	271.25	2,775.10	34.78	-1,600.41	1,600.79	0.00	0.00	0.00
4,300.00	92.50	271.25	2,770.74	36.95	-1,700.30	1,700.70	0.00	0.00	0.00
4,400.00	92.50	271.25	2,766.37	39.13	-1,800.18	1,800.60	0.00	0.00	0.00
4,500.00	92.50	271.25	2,762.01	41.30	-1,900.06	1,900.51	0.00	0.00	0.00
4,600.00	92.50	271.25	2,757.65	43.47	-1,999.94	2,000.41	0.00	0.00	0.00
4,700.00	92.50	271.25	2,753.29	45.64	-2,099.82	2,100.32	0.00	0.00	0.00
4,800.00	92.50	271.25	2,748.93	47.81	-2,199.70	2,200.22	0.00	0.00	0.00
4,900.00	92.50	271.25	2,744.57	49.98	-2,299.58	2,300.13	0.00	0.00	0.00
5,000.00	92.50	271.25	2,740.20	52.15	-2,399.46	2,400.03	0.00	0.00	0.00
5,100.00	92.50	271.25	2,735.84	54.32	-2,499.35	2,499.94	0.00	0.00	0.00
5,200.00	92.50	271.25	2,731.48	56.49	-2,599.23	2,599.84	0.00	0.00	0.00
5,300.00	92.50	271.25	2,727.12	58.66	-2,699.11	2,699.75	0.00	0.00	0.00
5,400.00	92.50	271.25	2,722.76	60.83	-2,798.99	2,799.65	0.00	0.00	0.00
5,500.00	92.50	271.25	2,718.39	63.00	-2,898.87	2,899.56	0.00	0.00	0.00
5,600.00	92.50	271.25	2,714.03	65.18	-2,998.75	2,999.46	0.00	0.00	0.00
5,700.00	92.50	271.25	2,709.67	67.35	-3,098.63	3,099.36	0.00	0.00	0.00
5,800.00	92.50	271.25	2,705.31	69.52	-3,198.51	3,199.27	0.00	0.00	0.00
5,900.00	92.50	271.25	2,700.95	71.69	-3,298.40	3,299.17	0.00	0.00	0.00
6,000.00	92.50	271.25	2,696.58	73.86	-3,398.28	3,399.08	0.00	0.00	0.00
6,100.00	92.50	271.25	2,692.22	76.03	-3,498.16	3,498.98	0.00	0.00	0.00
6,200.00	92.50	271.25	2,687.86	78.20	-3,598.04	3,598.89	0.00	0.00	0.00
6,300.00	92.50	271.25	2,683.50	80.37	-3,697.92	3,698.79	0.00	0.00	0.00
6,400.00	92.50	271.25	2,679.14	82.54	-3,797.80	3,798.70	0.00	0.00	0.00
6,500.00	92.50	271.25	2,674.77	84.71	-3,897.68	3,898.60	0.00	0.00	0.00
6,600.00	92.50	271.25	2,670.41	86.88	-3,997.56	3,998.51	0.00	0.00	0.00
6,700.00	92.50	271.25	2,666.05	89.05	-4,097.45	4,098.41	0.00	0.00	0.00
6,800.00	92.50	271.25	2,661.69	91.23	-4,197.33	4,198.32	0.00	0.00	0.00
6,900.00	92.50	271.25	2,657.33	93.40	-4,297.21	4,298.22	0.00	0.00	0.00



Phoenix Planning Report

Database:	GCR DB	Local Co-ordinate Reference:	Well #1H
Company:	Concho	TVD Reference:	RF @ 3448.00usft (UDI 40)
Project:	Eddy County New Mexico (Nad27)	MD Reference:	RF @ 3448.00usft (UDI 40)
Site:	Clydesdale 1 Fee	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH (UDI 40)		
Design:	Plan #1 - 01-11-2013		

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)
7,000.00	92.50	271.25	2,652.96	95.57	-4,397.09	4,398.13	0.00	0.00	0.00
7,100.00	92.50	271.25	2,648.60	97.74	-4,496.97	4,498.03	0.00	0.00	0.00
7,200.00	92.50	271.25	2,644.24	99.91	-4,596.85	4,597.94	0.00	0.00	0.00
7,300.00	92.50	271.25	2,639.88	102.08	-4,696.73	4,697.84	0.00	0.00	0.00
7,400.00	92.50	271.25	2,635.52	104.25	-4,796.61	4,797.75	0.00	0.00	0.00
7,489.79	92.50	271.25	2,631.60	106.20	-4,886.30	4,887.45	0.00	0.00	0.00
TD at 7489.79 - PBHL-Clydesdale 1 Fee #1H									

Design Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude Longitude
PBHL-Clydesdale 1 Fee	- plan hits target center	0.00	360.00	2,631.60	106.20	-4,886.30	616,946.30	465,515.40	32° 41' 45.7213 N 104° 26' 43.5512 W
	- Point								
PP-Clydesdale 1 Fee #1	- plan hits target center	0.00	0.00	2,694.76	3.91	-180.00	616,844.02	470,221.70	32° 41' 44.7549 N 104° 25' 48.4754 W
	- Point								

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
2,300.88	2,300.88	0.00	0.00	KOP Start Build 11.00
3,141.79	2,821.26	11.81	-543.46	LP Start 4348.00 hold at 3141.79 MD
7,489.79	2,631.60	106.20	-4,886.30	TD at 7489.79



Concho

Project: Eddy County, New Mexico (Nad27)
Site: Clydesdale 1 Fee
Well: #1H
Wellbore: OH (UDI 40)
Plan: Plan #1 - 01-11-2013



SECTION DETAILS									
MD	Inc	Azi	TVD	+N/S	+E/W	Dleg	TFace	VSec	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.88	0.00	0.00	2300.88	0.00	0.00	0.00	0.00	0.00	
3141.78	92.50	271.25	2821.26	11.81	-543.46	11.00	271.25	543.59	
7489.79	92.50	271.25	2631.60	106.20	-4886.30	0.00	0.00	4887.45	PBHL-Clydesdale 1 Fee #1H

WELL DETAILS: #1H			
Ground Level: 3434.00			
Northing	Easting	Latitude	Longitude
616840.10	470401.7032	41° 44' 44.7178" N	104° 25' 46.3689" W

ANNOTATIONS		
TVD	MD	Annotation
2300.88	2300.88	KOP Start Build 11.00
2821.26	3141.79	LP Start 4348.00 hold at 3141.79 MD
2631.60	7489.79	TD at 7489.79

