

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTCarlsbad Field Office
Of D ArtesiaFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018Case Serial No.
NMLC028731B**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator COG OPERATING LLC		7. If Unit or CA/Agreement, Name and/or No. NMNM111789X
Contact: ROBYN RUSSELL E-Mail: rrussell@concho.com		8. Well Name and No. DODD FEDERAL UNIT 920H
3a. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4385	9. API Well No. 30-015-44368-00-X1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 14 T17S R29E NESE 2310FSL 195FEL 32.833637 N Lat, 104.037491 W Lon		10. Field and Pool or Exploratory Area DODD-GLORIETA-UPPER YESO
		11. County or Parish, State EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

COG Operating LLC respectfully requests to change the bottom hole location of this well.

From: 2310 FSL 130 FWL, Sec 14, T17S, R29E
To: 2310 FSL 10 FWL, Sec 14, T17S, R29E

This change is to maximize the returns and reduce waste of the reservoir. Attached is a revised plat and directional plan.

- All previous COAN still apply.

UNORTHODOX
LOCATIONNM OIL CONSERVATION
ARTESIA DISTRICT

SEP 08 2017

9-11-17
Accepted for record - NMOCD

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #386504 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by MUSTAFA HAQUE on 08/30/2017 (17MH0053SE)	
Name (Printed/Typed) ROBYN RUSSELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/28/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By MUSTAFA HAQUE	Title PETROLEUM ENGINEER	Date 08/30/2017
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office Carlsbad		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

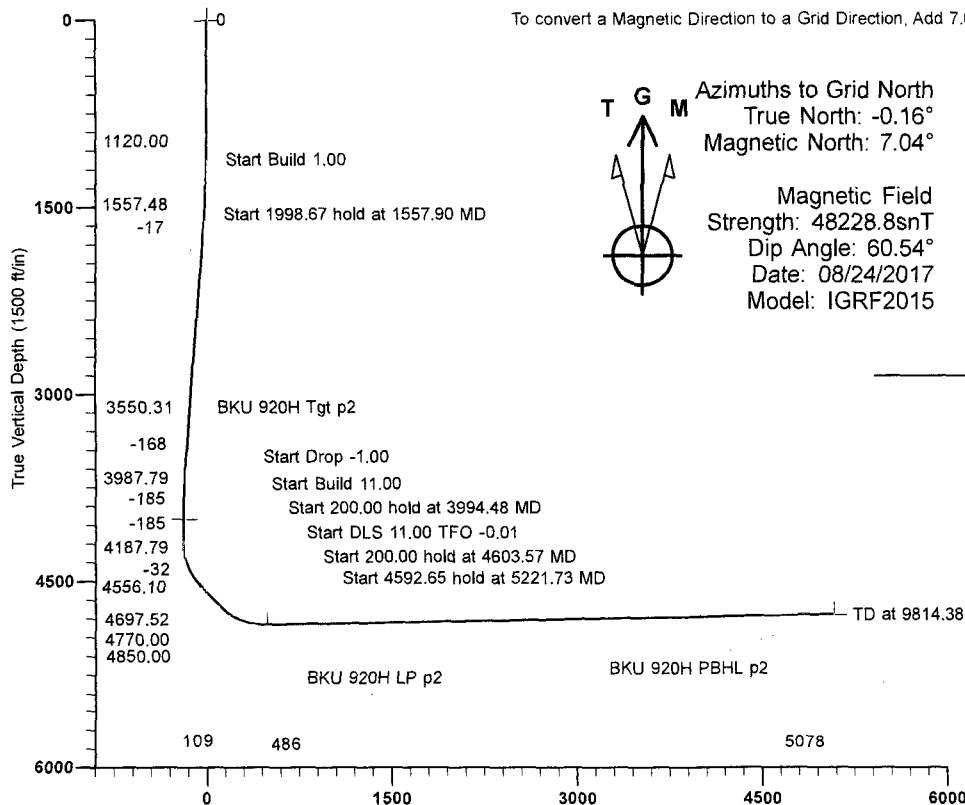
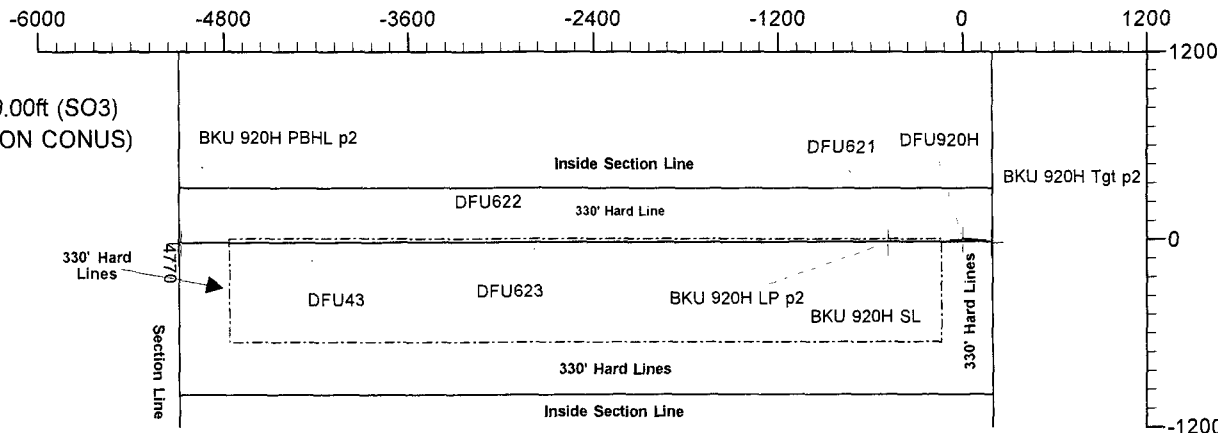
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

COG OPERATING, LLC

Project: Eddy /Lea County, NM (NAD27) NMEZ
Site: Dodd Federal Unit #920H
Well: #920H
Wellbore: Lateral
Design: Plan #2



West(-)/East(+) (1200 ft/in)



To convert a Magnetic Direction to a Grid Direction, Add 7.04°



Azimuths to Grid North
True North: -0.16°
Magnetic North: 7.04°

Magnetic Field
Strength: 48228.8snT
Dip Angle: 60.54°
Date: 08/24/2017
Model: IGRF2015

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
382.00	382.00	Top of Salt
901.00	901.00	Tansill
1008.00	1008.00	Yates
1283.00	1283.02	Seven Rivers
1898.00	1899.42	Queen
2301.00	2303.60	Grayburg
2594.00	2597.46	San Andres
4029.00	4035.69	Glorieta
4099.00	4105.69	Paddock
4541.00	4582.63	Blaine

SLOTS

Slot Name	+N/-S	+E/-W	Northing	Easting
DFU43	-133.06	-4227.97	666941.34	586800.03
DFU621	-0.40	-464.61	667074.00	590563.38
DFU622	-61.79	-2778.14	667012.61	588249.86
DFU623	-12.24	-3288.26	667062.16	587739.74
DFU920H	0.00	0.00	667074.40	591028.00

Vertical Section at 269.96° (1500 ft/in) TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BKU 920H SL	0.00	0.00	0.00	667074.40	591028.00	Point
BKU 920H Tgt p2	4000.00	-19.84	185.00	667054.56	591213.00	Point
BKU 920H PBHL p2	4770.00	-24.40	-5078.31	667050.00	585949.69	Point
BKU 920H LP p2	4850.00	-20.35	-486.37	667054.05	590541.63	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1120.00	0.00	0.00	1120.00	0.00	0.00	0.00	0.00	0.00	
1557.90	4.38	96.12	1557.48	-1.78	16.63	1.00	96.12	-16.63	
3556.57	4.38	96.12	3550.31	-18.06	168.37	0.00	0.00	-168.35	
3994.48	0.00	0.00	3987.79	-19.84	185.00	1.00	180.00	-184.98	
4194.48	0.00	0.00	4187.79	-19.84	185.00	0.00	0.00	-184.98	
4603.57	45.00	269.96	4556.10	-19.95	32.44	11.00	269.96	-32.42	
4803.57	45.00	269.96	4697.52	-20.04	-108.98	0.00	0.00	109.00	
5221.73	91.00	269.95	4850.00	-20.35	-486.37	11.00	-0.01	486.38	
9814.38	91.00	269.95	4770.00	-24.40	-5078.31	0.00	0.00	5078.33	BKU 920H PBHL p2

Plan: Plan #2 (#920H/Lateral)
Created By: Mekka Williams
eSomnia Well Design
mekka@esominawell.com
10:19, August 25 2017

VON DIRECTIONAL
12074 FM 3083 Conroe, Texas 77301
936-756-2400

