

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**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 reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC028731A
2. Name of Operator COG OPERATING LLC Contact: KELLY J HOLLY E-Mail: kholly@concho.com		6. If Indian, Allottee or Tribe Name
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432.685.4384	7. If Unit or CA/Agreement, Name and/or No. NMNM111789X
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 15 T17S R29E SWSE 330FSL 1760FEL		8. Well Name and No. DODD FEDERAL UNIT 630
		9. API Well No. 30-015-40557-00-X1
		10. Field and Pool, or Exploratory DODD - GLORIETA-UPPER YESO
		11. County or Parish, and State EDDY COUNTY, NM

**12. CHECK 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"/> Fracture Treat	<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 recompleting 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleting in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall 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 permission to change the location of this well:

From:  
330' FSL & 1760' FEL, Unit OTo:  
370' FSL & 1760' FEL, Unit O

This well location needs to be changed due to a pipeline being too close to original location.

A revised C-102, Interim Reclamation, H2S diagram, Flowline, Rig Layouts, SUPO and 1 mile map are attached.

Accepted for record

NMOCD

10/11/14

NM OIL CONSERVATION  
ARTESIA DISTRICT

NOV 17 2014

RECEIVED

*well design to remain the same as original proposal*

14. I hereby certify that the foregoing is true and correct. <i>sig. Rev JAM</i>		Electronic Submission #272627 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER MASON on 10/22/2014 (15JAM0026SE)	
Name (Printed/Typed)	KELLY J HOLLY	Title	PERMITTING TECH
Signature	(Electronic Submission)	Date	10/22/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <i>Stephen J Coffy</i>	Title FOR FIELD MANAGER	Date 11/13/14
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 FIELD OFFICE	

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

District I  
1635 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

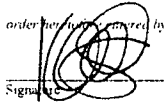
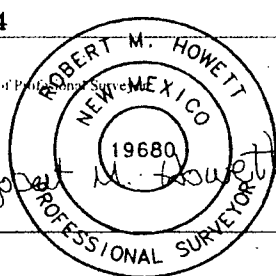
Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

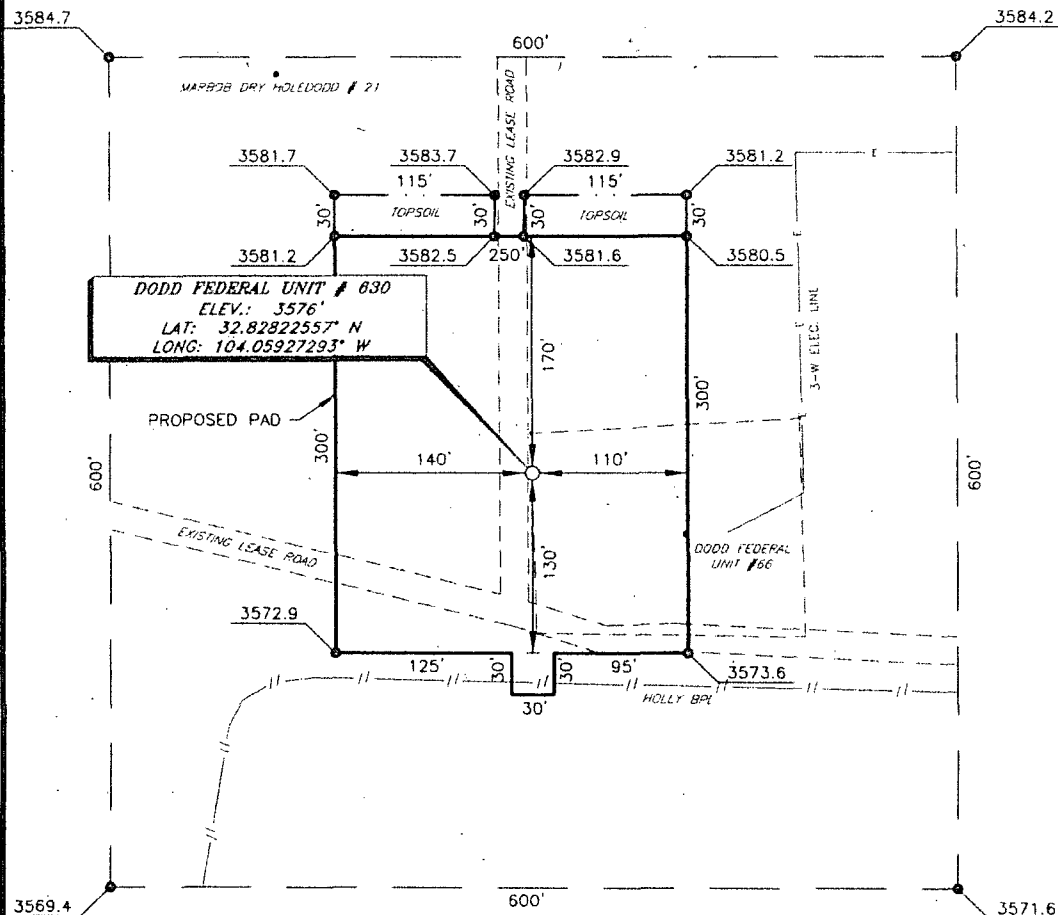
WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <b>30-015-40557</b>		2 Pool Code <b>97917</b>		3 Pool Name <b>Dodd; Glorieta Upper Yeso</b>					
4 Property Code <b>308195</b>		5 Property Name <b>DODD FEDERAL UNIT</b>						6 Well Number <b>630</b>	
7 GRID NO. <b>229137</b>		8 Operator Name <b>COG OPERATING, LLC</b>						9 Elevation <b>3576'</b>	
10 Surface Location									
UL or lot no. <b>0</b>	Section <b>15</b>	Township <b>17S</b>	Range <b>29E</b>	Lot Idn	Feet from the <b>370</b>	North/South line <b>SOUTH</b>	Feet From the <b>1760</b>	East/West line <b>EAST</b>	County <b>EDDY</b>
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres <b>40</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.

16		17 OPERATOR CERTIFICATION	
<p>18</p> <p>GEODETIC DATA NAD 27 GRID - NM EAST</p> <p>SURFACE LOCATION N 665128.7 - E 584184.9</p> <p>LAT: 32.82822557° N LONG: 104.05927293° W</p> <p>CORNER DATA NAD 27 GRID - NM EAST</p> <p>A: FOUND BRASS CAP "1914" N 664755.4 - E 580657.6</p> <p>B: FOUND 1/2" REBAR N 670039.5 - E 580643.6</p> <p>C: FOUND 5/8" REBAR W/ILLEGABLE ALUM. CAP N 670044.8 - E 585932.4</p> <p>D: FOUND BRASS CAP "1914" N 667404.9 - E 585938.8</p> <p>E: FOUND BRASS CAP "1914" N 664760.6 - E 585945.4</p> <p>F: FOUND 1" IRON PIPE N 664757.2 - E 583298.3</p> <p>SEE DETAIL "A" S. L.</p> <p>1760'</p> <p>370'</p>		<p>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>10-14-14</b></p> <p>Printed Name: <b>Kelly J. Holly</b></p> <p>E-mail Address: <b>kholly@concho.com</b></p>	
		19 SURVEYOR CERTIFICATION	
		<p>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><b>9-25-14</b> Date of Survey</p> <p>Signature and Seal of Professional Surveyor: </p> <p><b>19680</b> Certificate Number</p>	
		<p>RRC - Firm No.: <b>TX 10193838</b> NM <b>4655451</b> - Job No.: <b>LS140437</b></p>	

**COG OPERATING, LLC**  
**DODD FEDERAL UNIT #630**  
 (370' FSL & 1760' FEL)  
 SECTION 15, T17S, R29E  
 N. M. P. M., EDDY CO., NEW MEXICO



DIRECTIONS TO LOCATION

From the intersection of US Hwy 82 and CR-214 (Barneval Draw);  
 Go North on CR-214 approx. 165';  
 Turn right on the lease road and go Northeast on lease road approx. 0.5 miles to a lease road;  
 Turn left and go North on lease road approx. 0.3 miles to a lease road;  
 Turn left onto lease road and go West 0.2 miles into location.

SCALE: 1" = 100'  
 0 50 100  
 BEARINGS ARE  
 NAD 27 GRID - NM EAST  
 DISTANCES ARE  
 GROUND.

Firm No.: TX 10193838 NM 4655451

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NO.	REVISION	DATE
JOB NO.:	LS140437	
DWG. NO.:	140437PAD	

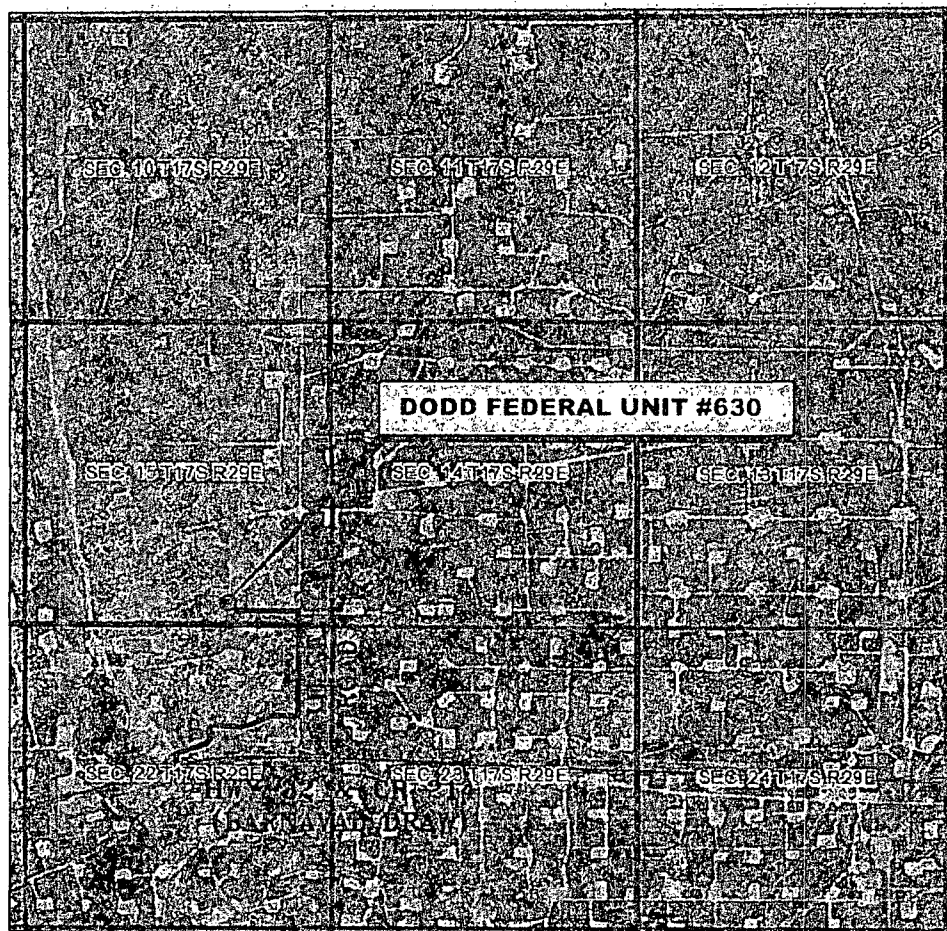
**RRC**

308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 100'
DATE: 9-25-14
SURVEYED BY: IE/DH
DRAWN BY: JC
APPROVED BY: RMH
SHEET: 1 OF 1

# VICINITY MAP

NOT TO SCALE



SECTION 15, TWP. 17 SOUTH, RGE. 29 EAST,  
N. M. P. M., EDDY CO., NEW MEXICO

OPERATOR: COG Operating, LLC  
LEASE: Dodd Federal Unit  
WELL NO.: 630

LOCATION: 370' FSL & 1760' FEL  
ELEVATION: 3576'

Firm No.: TX 10193838 NM 4855451

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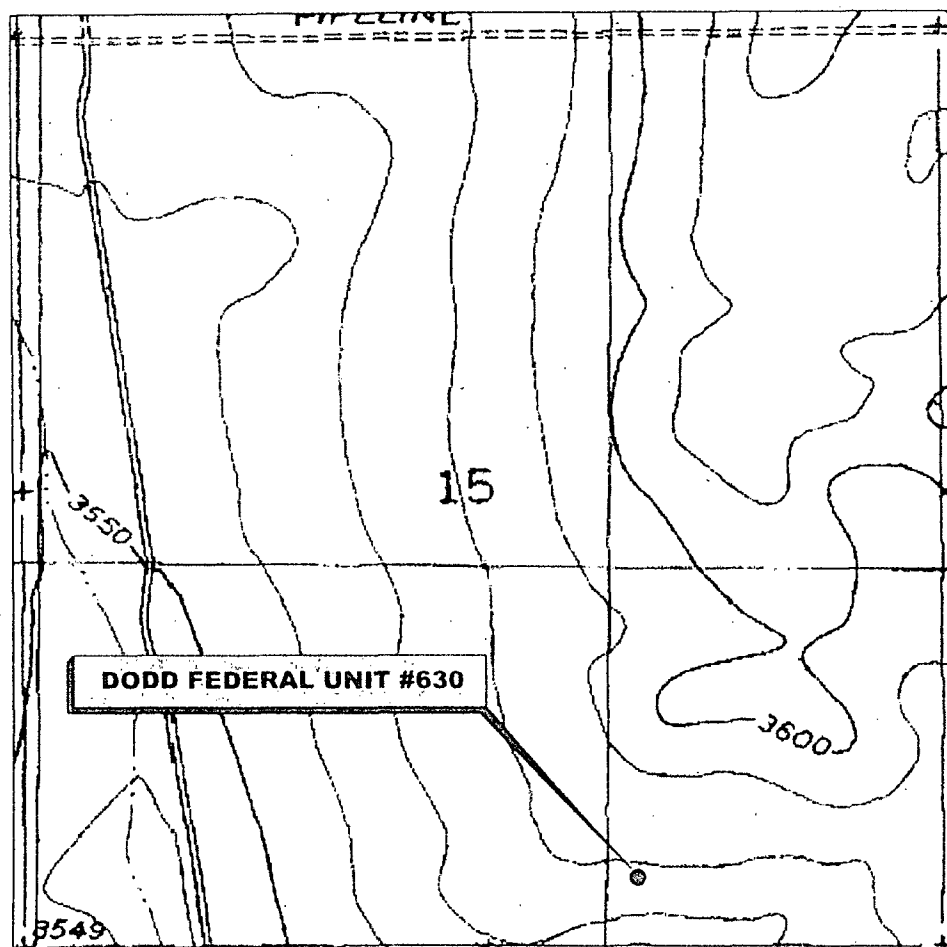
NO.	REVISION	DATE
JOB NO.:	LS140437	
DWG. NO.:	140437VM	

# RRC

308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: NTS
DATE: 9-25-14
SURVEYED BY: IE/DH
DRAWN BY: JC
APPROVED BY: RMH
SHEET : 1 OF 1

# LOCATION VERIFICATION MAP




SECTION 15, TWP. 17 SOUTH, RGE. 29 EAST,  
N. M. P. M., EDDY CO., NEW MEXICO

OPERATOR: COG Operating, LLC  
LEASE: Dodd Federal Unit  
WELL NO.: 630  
ELEVATION: 3576'

LOCATION: 370' FSL & 1760' FEL  
CONTOUR INTERVAL: 10'  
USGS TOPO. SOURCE MAP:  
Red Lake SE, NM (1955)

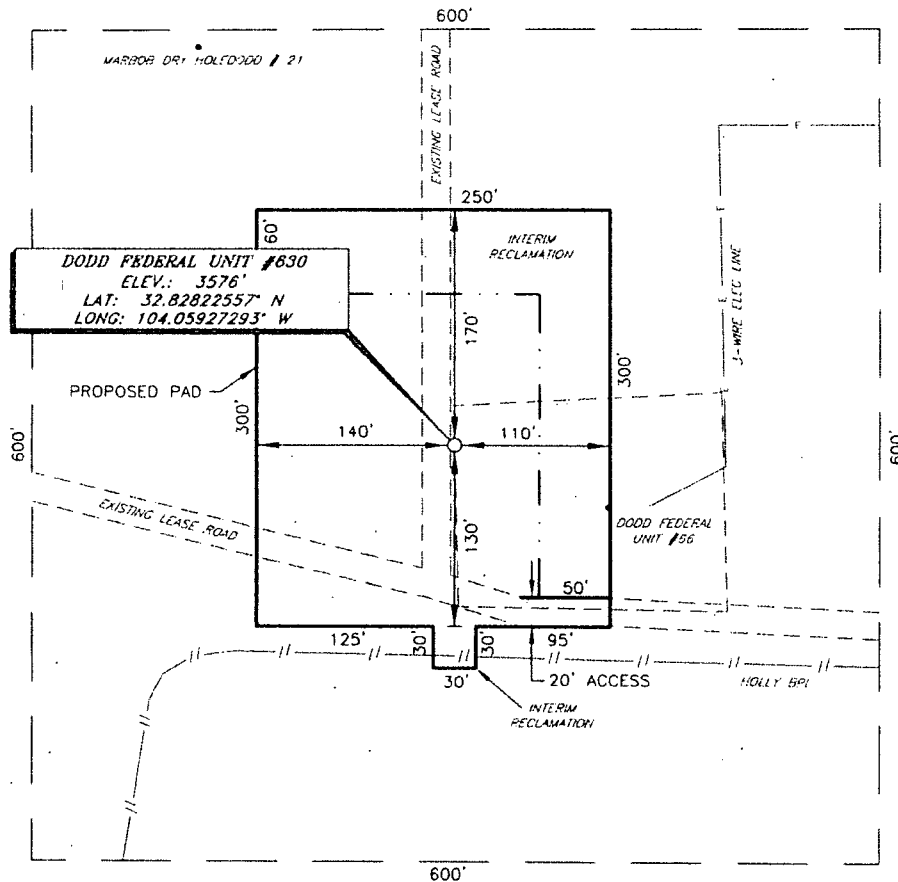
Firm No.: TX 10193838 NM 4655451

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<div style="text-align: center;">  <p><b>RRC</b></p> </div>			SCALE: 1"=1000'
			DATE: 9-25-14
			SURVEYED BY: IE/DH
			DRAWN BY: JC
NO.	REVISION	DATE	APPROVED BY: RMH
JOB NO.: LS140437			SHEET : 1 OF 1
DWG. NO.: 140437LVM			

308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

COG OPERATING, LLC  
 INTERIM RECLAMATION  
 DODD FEDERAL UNIT #630  
 (370' FSL & 1760' FEL)  
 SECTION 15, T17S, R29E  
 N. M. P. M., EDDY CO., NEW MEXICO



DIRECTIONS TO LOCATION

From the intersection of US Hwy 82 and CR-214 (Barnaval Draw);

Go North on CR-214 approx. 165';

Turn right on the lease road and go Northeast on lease road approx. 0.5 miles to a lease road;

Turn left and go North on lease road approx. 0.3 miles to a lease road;

Turn left onto lease road and go West 0.2 miles into location.

SCALE: 1" = 100'  
 0 50 100  
 BEARINGS ARE  
 NAD 27 GRID - NM EAST  
 DISTANCES ARE  
 GROUND

Firm No.: TX 1019J838 NM 4655451

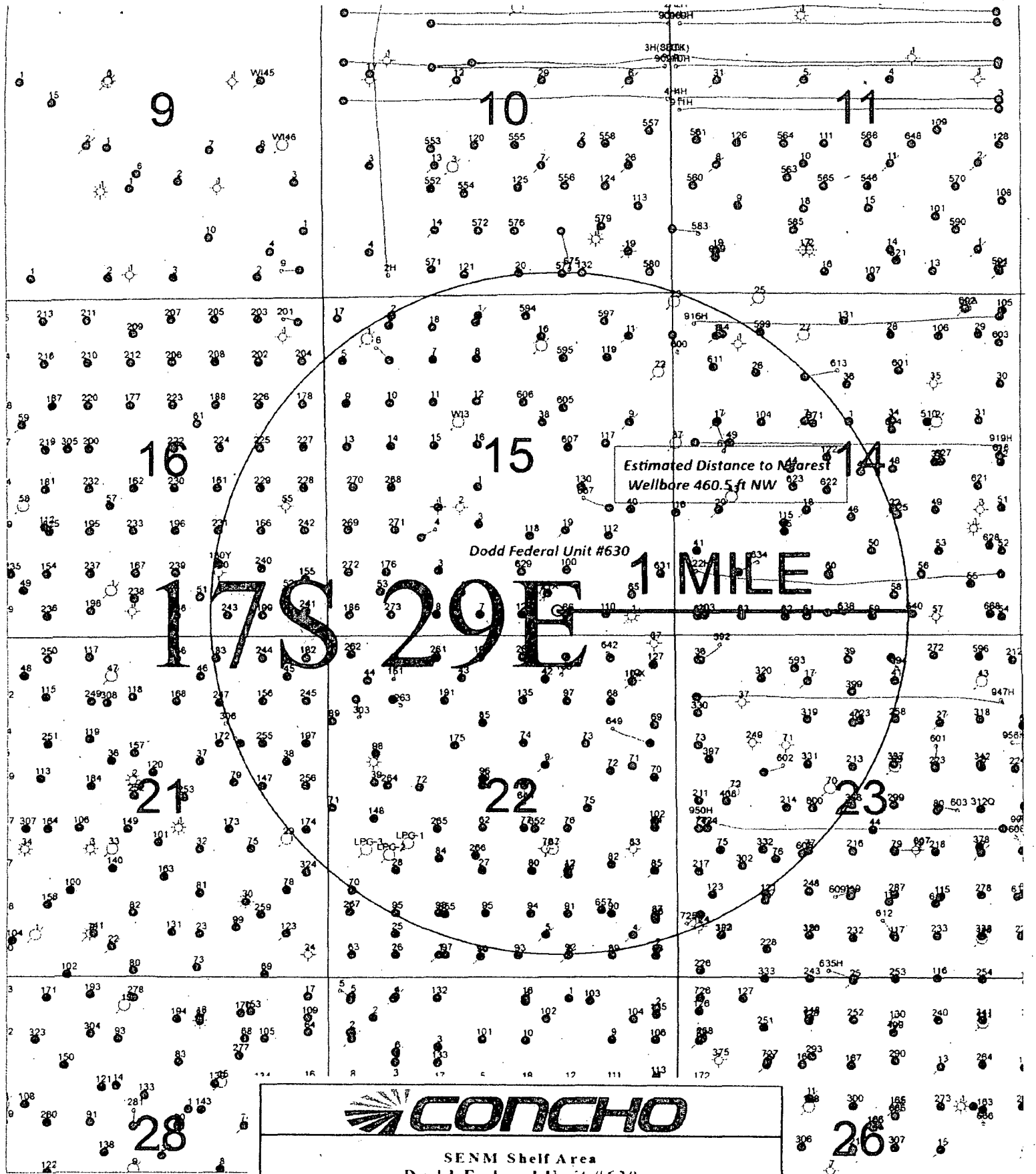
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NO.	REVISION	DATE
JOB NO.:	LS140437	
DWG. NO.:	140437PAD	

**RRC**

308 W. BROADWAY ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 100'  
 DATE: 9-25-14  
 SURVEYED BY: IE/DH  
 DRAWN BY: JC  
 APPROVED BY: RMH  
 SHEET: 1 OF 1



  
SENM Shelf Area  
Dodd Federal Unit #630  
SEC. 15, T17S - R29E SHL 370 FSL 1760 FEL, UNIT O  
Author: \_\_\_\_\_ Date: \_\_\_\_\_

COG Operating LLC

Drilling Location - H2S Safety Equipment Diagram

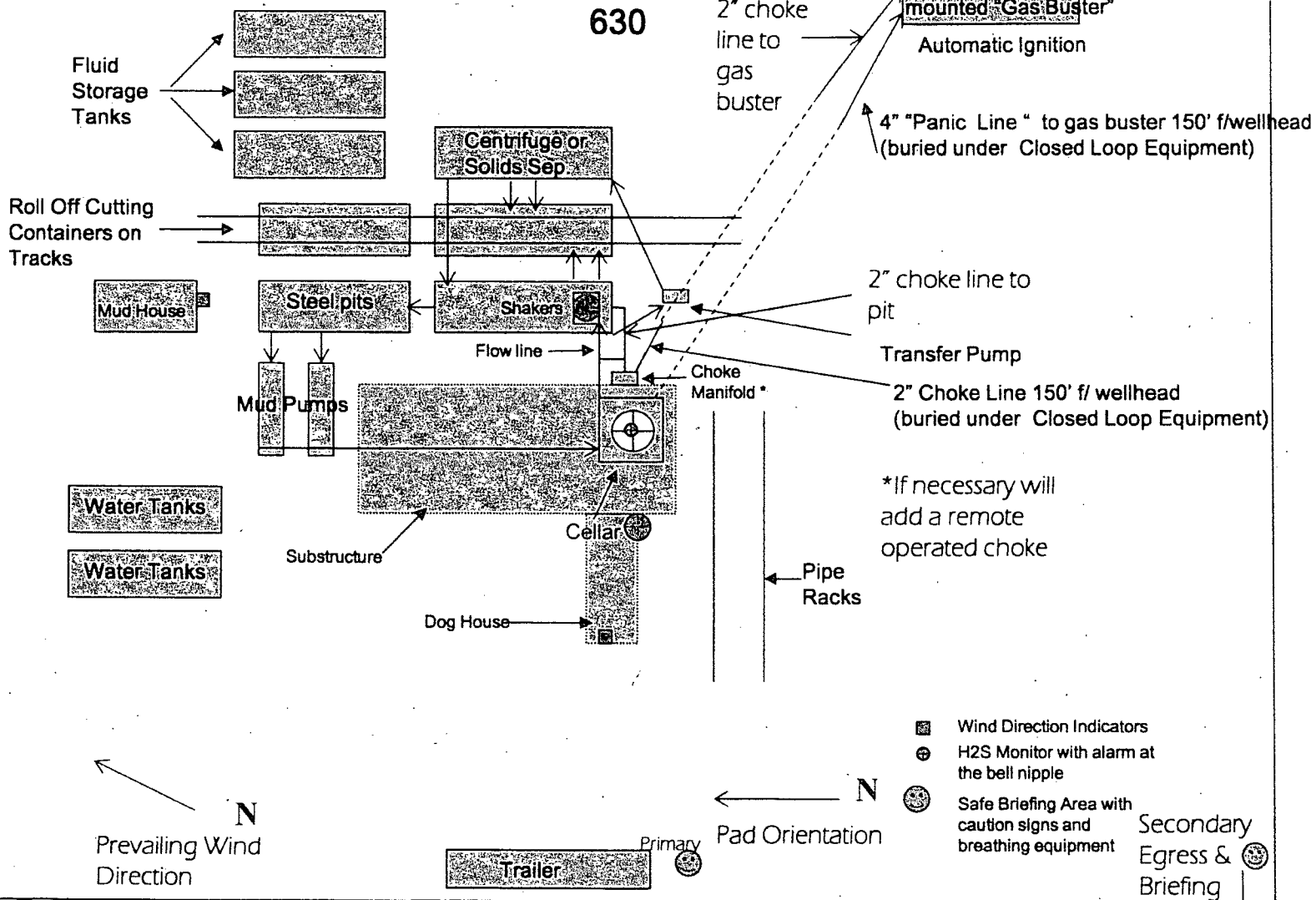
## EXHIBIT 8-

Dodd

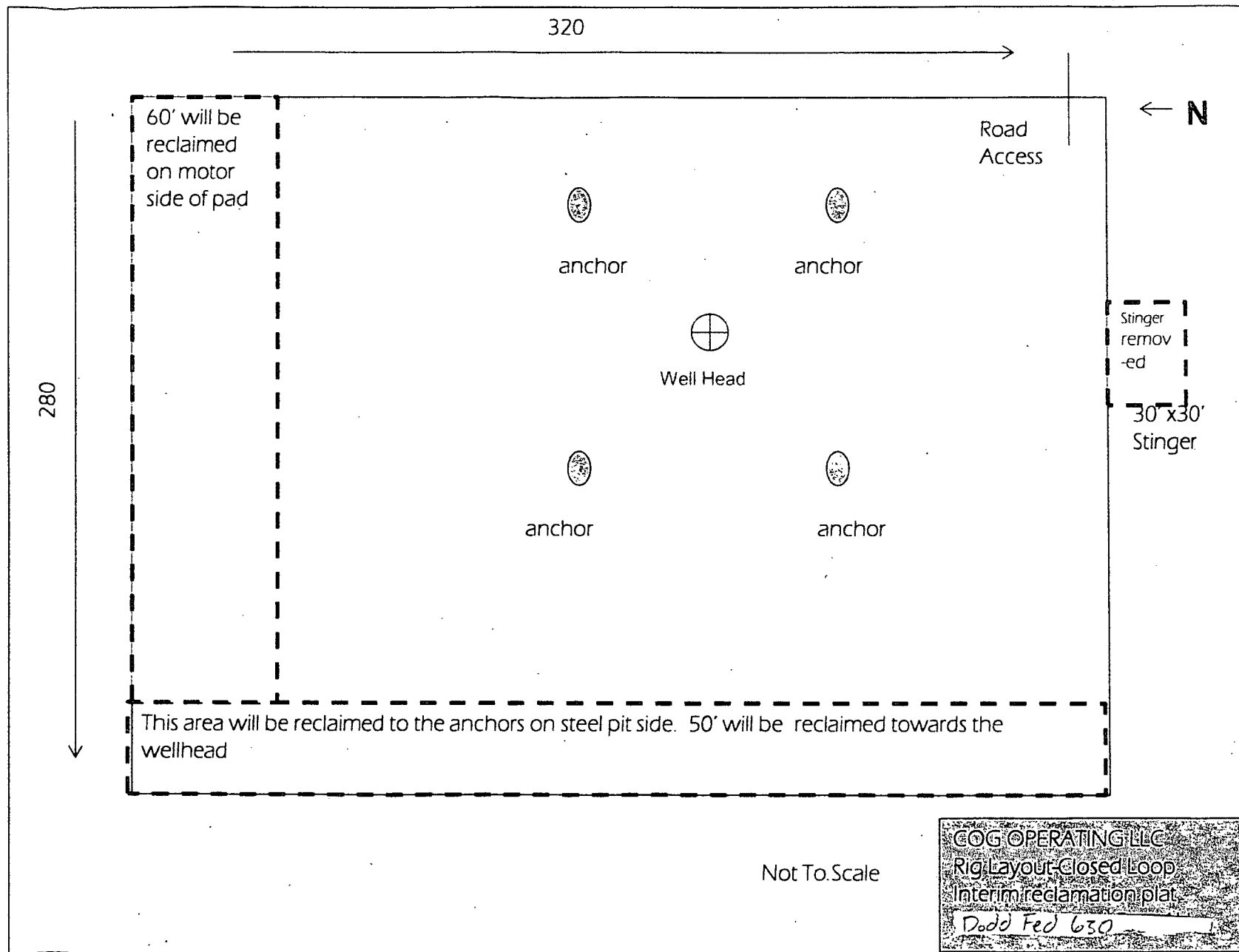
Federal Unit

630

Road Access  
with H2S  
sign







Indra, I think this  
well will reclaim  
better if we take the  
West & North side  
as shown on this  
plat. let me know  
what you decide.  
thanks CADEN

# Surface Use & Operating Plan

## Dodd Federal Unit 630

- Surface Tenant: Bogle Farms, Lewis Derrick, P O Box 441, Artesia, NM 88211.
- New Road: approx. 0'
- Flow Line: approx. 800'
- Facilities: Dodd 15-A Federal Tank Battery

### Well Site Information

V Door: South

Topsoil: North

Interim Reclamation: North/West

### Notes

-had to restake and sundry because infrastructure in the way of construction

Onsite: 10/2/2014

Indra Dahal (BLM), Caden Jameson (COG), Gary Box (RRC)

## **SURFACE USE AND OPERATING PLAN**

### **1. Existing & Proposed Access Roads**

- A. The well site survey and elevation plat for the proposed well is attached with this application. It was staked by Renewable Resource Consultants, LLC, Midland, TX.
- B. All roads to the location are shown in the Vicinity Map. The existing lease roads are illustrated and are adequate for travel during drilling and production operations. Upgrading existing roads prior to drilling the well will be done where necessary. The road route to the well site is depicted in Vicinity Map. The road highlighted in the Vicinity Map will be used to access the well.
- C. Directions to location: See Vicinity Map.
- D. Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease. Roads will be maintained according to specifications in section 2A of this Surface Use and Operating Plan.

### **2. Proposed Access Road:**

The Elevation Plat shows that 0' of new access road will be required for this location. If any road is required it will be constructed as follows:

- A. The maximum width of the running surface will be 14'. The road will be crowned, ditched and constructed of 6" rolled and compacted caliche. Ditches will be at 3:1 slope and 4 feet wide. Water will be diverted where necessary to avoid ponding, prevent erosion, maintain good drainage, and to be consistent with local drainage patterns.
- B. The average grade will be less than 1%.
- C. No turnouts are planned.
- D. No culverts, cattleguard, gates, low water crossings or fence cuts are necessary.
- E. Surfacing material will consist of native caliche. Caliche will be obtained from the actual well site if available. If not available onsite, caliche will be hauled from the nearest BLM approved caliche pit.

**3. Location of Existing Well:**

The 1-mile Map shows all existing wells within a one-mile radius of this well.

As shown on this plat there are numerous wells producing from the San Andres and Yeso formations.

**4. Location of Existing and/or Proposed Facilities:**

- A. COG Operating LLC does operate a production facility on this lease.
- B. If the well is productive, contemplated facilities will be as follows:
  - 1) Production will be sent to the Dodd 15-A Federal Tank Battery located in Section 15 at approx. 330' FSL & 1040' FEL in T17S R29E. The facility location is shown in Exhibit #1.
  - 2) The tank battery and facilities including all flow lines and piping will be installed according to API specifications.
  - 3) Any additional caliche will be obtained from the actual well site. If caliche does not exist or is not plentiful from the well site, the caliche will be hauled from a BLM approved caliche pit. Any additional construction materials will be purchased from contractors.
  - 4) Proposed flow lines, will follow an archaeologically approved route to the Dodd 15-A Federal Tank Battery located in Section 15 at approx. 330' FSL & 1040' FEL in T17S R29E. The flowline will be SDR 7 3" poly line laid on the surface and will be approximately 800 feet in length. See Exhibit #1.
  - 5) It will be necessary to run electric power if this well is productive. Power will be provided by CVE and they will submit a separate plan and ROW for service to the well location.
  - 6) If the well is productive, rehabilitation plans will include the following:
    - The original topsoil from the well site will be returned to the location, and the site will be re-contoured as close as possible to the original site.

**5. Location and Type of Water Supply:**

The well will be drilled with combination brine and fresh water mud system as outlined in the drilling program. The water will be obtained from commercial water stations in the area and hauled to location by transport truck over the existing and proposed access roads shown in Vicinity Map. If a commercial fresh water source is nearby, fast line may be laid along existing road ROW's and fresh water pumped to the well. No water well will be drilled on the location.

**6. Source of Construction Materials and Location "Turn-Over" Procedure:**

Obtaining caliche: The primary way of obtaining caliche to build locations and roads will be by "turning over" the location. This means, caliche will be obtained from the actual well sight. A caliche permit will be obtained from BLM prior to pushing up any caliche. 2400 cu. Yards is max amount of caliche needed for pad and roads. Amount will vary for each pad. The procedure below has been approved by BLM personnel:

- A. The top 6 inches of topsoil is pushed off and stockpiled along the side of the location.**
- B. An approximate 120' X 120' area is used within the proposed well site to remove caliche.**
- C. Subsoil is removed and piled alongside the 120' by 120' area within the pad site.**
- D. When caliche is found, material will be stock piled within the pad site to build the location and road.**
- E. Then subsoil is pushed back in the hole and caliche is spread accordingly across entire location and road.**
- F. Once well is drilled, the stock piled top soil will be used for interim reclamation and spread along areas where caliche is picked up and the location size is reduced. Neither caliche nor subsoil will be stock piled outside of the well pad. Topsoil will be stockpiled along the edge of the pad as depicted in attached plat.**
  - In the event that no caliche is found onsite, caliche will be hauled in from a BLM approved caliche pit.

**7. Methods of Handling Water Disposal:**

- A. The well will be drilled utilizing a closed loop mud system. Drill cuttings will be held in roll-off style mud boxes and taken to an NMOCD approved disposal site.
- B. Drilling fluids will be contained in steel mud pits.
- C. Water produced from the well during completion will be held temporarily in steel tanks and then taken to an NMOCD approved commercial disposal facility.
- D. Garbage and trash produced during drilling or completion operations will be collected in a trash bin and hauled to an approved landfill. No toxic waste or hazardous chemicals will be produced by this operation.
- E. Human waste and grey water will need to be properly contained and disposed of. Proper disposal and elimination of waste and grey water may include but are not limited to portable septic systems and/or portable waste gathering systems (i.e. portable toilets).
- F. After the rig is moved out and the well is either completed or abandoned, all waste materials will be cleaned up within 30 days. In the event of a dry hole only a dry hole marker will remain.

**8. Ancillary Facilities:**

No airstrip, campsite or other facilities will be built as a result of the operation on this well.

**9. Well Site Layout:**

- A. The drill pad layout, with elevations staked by Prosperity Consultants, LLC, is shown in the Elevation Plat. Dimensions of the pad and pits are shown on the Rig Layout. V door direction is South. Topsoil, if available, will be stockpiled per BLM specifications. Because the pad is almost level no major cuts will be required.
- B. The Rig Layout Closed-Loop exhibit shows the proposed orientation of closed loop system and access road. No permanent living facilities are planned, but a temporary foreman/toolpusher's trailer will be on location during the drilling operations.

**10. Plans for Restoration of the Surface:**

- A. Interim Reclamation will take place after the well has been completed. The pad will be downsized by reclaiming the areas not needed for production operations. The portions of the pad that are not needed for production operations will be re-contoured to its original state as much as possible. The caliche that is removed will be reused to either build another pad site or for road repairs within the lease. The stockpiled topsoil will then be spread out reclaimed area and reseeded with a BLM approved seed mixture. In the event that the well must be worked over or maintained, it may be necessary to drive, park, and/or operate machinery on reclaimed land. This area will be repaired or reclaimed after work is complete.
- B. Final Reclamation: Upon plugging and abandoning the well all caliche for well pad and lease road will be removed and surface will be recountoured to reflect its surroundings as much as possible. Caliche will be recycled for road repair or reused for another well pad within the lease. If any topsoil remains, it will be spread out and the area will be reseeded with a BLM approved mixture and re-vegetated as per BLM orders.

**11. Surface Ownership:**

- A. The surface is owned by the U.S. Government and is administered by the Bureau of Land Management. The surface is multiple uses with the primary uses of the region for grazing of livestock and the production of oil and gas.
- B. The surface tenant is Bogle Farms, Lewis Derrick, P.O. Box 441, Artesia, NM 88211.
- C. The proposed road routes and surface location will be restored as directed by the BLM



**12. Other Information:**

- A. The area around the well site is grassland and the topsoil is sandy. The vegetation is moderately sparse with native prairie grasses, some mesquite and shinnery oak. No wildlife was observed but it is likely that mule deer, rabbits, coyotes and rodents traverse the area.
- B. There is no permanent or live water in the immediate area.
- C. There are no dwellings within 2 miles of this location.
- D. If needed, a Cultural Resources Examination is being prepared by Boone Arch Services of New Mexico, LLC. Carlsbad, NM, 88220. 506 E Chapman Rd. , phone # 575.887.7667 and the results will be forwarded to your office in the near future. Otherwise, **COG will be participating in the Permian Basin MOA Program.**

**13. Bond Coverage:**

Bond Coverage is Nationwide Bond # 000215

**14. Lessee's and Operator's Representative:**

The COG Operating LLC representative responsible for assuring compliance with the surface use plan is as follows:

Jim Evans	Ray Peterson
Drilling Superintendent	Drilling Manager
COG Operating LLC	COG Operating LLC
One Concho Center	One Concho Center
600 W. Illinois	600 W. Illinois
Midland, TX 79701	Midland, TX 79701
Phone (432) 685-4304 (office)	Phone (432) 685-4304 (office)
(432) 221-0346 (business)	(432) 818-2254 (business)

I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access road proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or COG Operating, LLC, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 16th day of October, 2014.

Signed: \_\_\_\_\_

*Carl Bird*

Printed Name: Carl Bird

Position: Sr. Drilling Engineer

Address: One Concho Center, 600 W. Illinois, Midland, Texas 79701

Telephone: (432) 683-7443

Field Representative (if not above signatory): Same

E-mail: cbird@concho.com



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www.delorme.com

