OCD-ARTESIA

Form 3160-3 (April 2004) UNITED STATES DEPARTMENT OF THE BUREAU OF LAND MAN APPLICATION FOR PERMIT TO	OMB Expire 5 Lease Serial N NMLC-028		
la Type of work DRILL REENT		greement Name and No 89X; Dodd Federal Unit	
1b Type of Well	Single Zone Multip	8 Lease Name an	d Well No 685 2 308/95 ERAL UNIT #549
2 Name of Operator COG Operating LLC	-22913	9 API Well No 30-015-	45477 7/25
3a Address 550 W. Texas Ave., Suite 100 Midland, TX 79701	3b Phone No (include area code) 432-685-4384	10 Field and Pool,	or Exploratory ackson; SR-Q-Grbg-SA 22850
4 Location of Well (Report location clearly and in accordance with an At surface 990' FNL & 2310' FWL, Unit C At proposed prod zone	Ty State requirements *)	11 Sec , T R M or Sec 11 T175	Blk and Survey or Area R29E
14 Distance in miles and direction from nearest town or post office* 2 miles from Loco Hills, N	šM	12 County or Paris	h 13 State
location to nearest property or lease line, ft (Also to nearest drig unit line, if any) 990'	16 No of acres in lease	17 Spacing Unit dedicated to th	
18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft 340'	19 Proposed Depth 4050'	20 BLM/BIA Bond No on file NMB000740, NMB000	215
21 Elevations (Show whether DF, KDB, RT, GL, etc.) 3638' GL	22 Approximate date work will sta 01/11/2012		tion 15 days
	24 Attachments		
The following, completed in accordance with the requirements of Onsholl Well plat certified by a registered surveyor A Drilling Plan Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office)	4 Bond to cover to ttem 20 above) Lands, the 5 Operator certific	he operations unless covered by cation specific information and/or plans	
25 Signature	Name (Printed Typed) Kelly J. Holly		Date 2/03/2012
Title Permitting Tech			
Approved by (Signature)	Name (Printed Typed)	Cornes A. Armes	Date JUL 1 0 2012
Title FIELD MANAGER	Office	CARLSBAD	FIELD OFFICE
Application approval does not warrant or certify that the applicant hol conduct operations thereon Conditions of approval, if any, are attached	ds legal or equitable title to those righ		Identitle the applicant to AL FOR TWO YEARS
Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a c States any false, fictitious or fraudulent statements or representations as			

*(Instructions on page 2)

Roswell Controlled Water Basin

RECEIVED

JUL 1 2 2012

NMOCD ARTESIA

Approval Subject to General Requirements & Special Stipulations Attached

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Surface Use Plan COG Operating, LLC Dodd Federal Unit #519 SL: 990' FNL & 2310' FWL Section 11, T-17-S, R-29-E Eddy County, New Mexico

UL C

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 make 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 January, 2012.

Signed:

Printed Name: Carl Bird

Position: Drilling Engineer

Address: 550 W. Texas, Suite 1300, Midland, Texas 79701

Telephone: (432) 683-7443

Field Representative (if not above signatory): Same

and Big

E-mail: cbird@conchoresources.com

MASTER DRILLING PROGRAM

1. Geologic Name of Surface Formation

Quaternary

2. Estimated Tops of Important Geologic Markers:

Quaternary	Surface
Rustler	220'
Salt	360'
Base of Salt	780'
Yates	950'
Seven Rivers	1235'
Queen	1845'
Grayburg	2220'
San Andres	2540'
Glorieta	4000'
Paddock	4075'
Blinebry	4620'
Tubb	5520'

3. Estimated Depths of Anticipated Fresh Water, Oil and Gas

Water Sand	150'	Fresh Water
Grayburg	2220'	Oil/Gas
San Andres	2540'	Oil/Gas
Glorieta	4000'	Oil/Gas
Paddock	4075'	Oil/Gas
Blinebry	4620'	Oil/Gas
Tubb	5520'	Oil/Gas

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Setting 13 3/8" casing to 297' and circulating cement back to the surface will protect the surface fresh water sand. The Salt Section will be protected by setting 8 5/8" casing to 1176' and circulating cement, in a single or multi-stage job and/or with an ECP, back to the surface. Any shallower zones above TD, which contain commercial quantities of oil and/or gas, will have cement circulated across them. This will be achieved by cementing, with a single or multi-stage job, the 5 1/2" production casing back 200' into the intermediate casing, (but calculated to surface) to be run at TD. If wellbore conditions arise that require immediate action and/or a change to this program, COG Operating LLC personnel will always react to protect the wellbore and/or environment.

DISTRICT I 1625 N FRENCH DR , HOBBS, NM 88240 DISTRICT II 1301 W GRAND AVENUE, ARTESIA, NM 88210 DISTRICT III

1000 RIO BRAZOS RD, AZTEC, NM 87410

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Form C-102 Revised July 16, 2010 Submit to Appropriate District Office

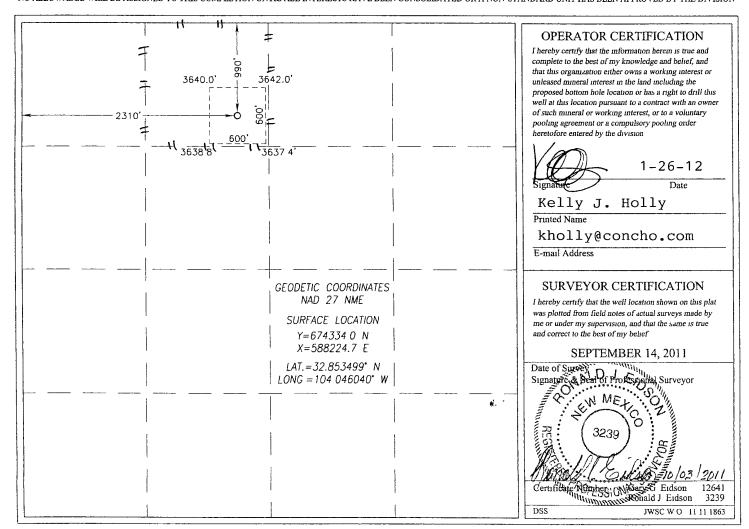
□AMENDED REPORT

DISTRICT IV 11885 S ST FRANCIS DR , SANTA FE, NM 87505

			WEL	L LOCA	TION A	ND ACREA	AGE DEDICA	ATION PLA	T	
	A	API Number Pool Code Pool Name 5-47477				e	***************************************			
	30-015	- 409	777	Grayburg JAckson; SR-Q-G-				-G-SA		
	Property C	Code		Property Name					Well Number	
Ì	308195			DODD FEDERAL UNIT						-519 685
	OGRID	No	Operator Name					Elevation		
	229137			COG OPERATING, LLC					3638'	
						Surface Locati	on			
ſ	UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West lin	e County

UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	11	17-S	29-E		990	NORTH	2310	WEST	EDDY
			<u> </u>	Bottom Hol	e Location If Diffe	erent From Surface		I L	
UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 4 0	Joint or	Infill C	onsolidation C	ode Ord	ler No			,	
40								7/10 4	050

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



COG Operating LLC
Master Drilling Plan
Dodd: Grayburg Jackson; SR-Q-Grbg-SA
Use for Sections 6-30, T17S, R29E
Eddy County, NM

4. Casing Program

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Hybrid J55 Cult 4-18-12

		OD					
Hole Size	Interval	Casing	Weight	Grade/	Jt., Condition	Jt.	brst/clps/ten
17 ½"	0-297'	13 3/8"	48#	H-40or / -55	ST&C/New	ST&C	9.22/3.943/15.8
11"	0-1176'	8 5/8"	24or32#	J-55	ST&C/New	ST&C	3.03/2.029/7.82
7 7/8"	0-TD	5 1/2"	15.5or17#	J-55orL-80	LT&C/New	LT&C	1.88/1.731/2.42

5. Cement Program

13 3/8" Surface Casing:

8 5/8" Intermediate Casing:

5 1/2" Production Casing:

Class C w/2% Cacl2 + 0.25 pps CF, 400 sx, yield 1.32, back to surface. 154% excess

11" Hole:

Single Stage: 50:50:10 C:Poz:Gel w/ 5% Salt +0.25% CP, 400 sx lead, yield-2.45 + Class C w/2% CaCl2, 300 sx tail, yield-1.32, back to surface. 363% excess

Single Stage: LEAD 400 sx 35:65:6 C:Poz:Gel w/ 5% Salt + 5 pps LCM + 0.2% SMS + 0.3% FL-52A + 0.125 pps CF, yield-2.05; + TAIL 400 sx 50:50:2 C:Poz:Gel w/ 5% Salt + 3 pps LCM + 0.6% SMS + 1% FL-25 + 1% BA-58 + 0.3% FL-52A + 0.125 pps CF, yield-1.37, to 200' minimum tie back to intermediate casing. 67% open hole excess, cement calculated back to surface.

Multi-Stage: Stage 1: (Assumed TD of 4050') 400 sx 50:50:2 C:Poz:Gel w/ 5% Salt + 3 pps LCM + 0.6% SMS + 1% FL-25 + 1% BA-58 + 0.3% FL-52A + 0.125 pps CF, vield - 1.37, 42% excess; Stage 2: LEAD 450 sx 50:50:2 C:Poz:Gel w/ 5% Salt + 3 pps LCM + 0.6% SMS + 1% FL-25 + 1% BA-58 + 0.3% FL-52A + 0.125 pps CFyield - 1.37, + TAIL 250 sx Class C w/ 0.3% R-3 + 1.5% CD-32, yield -1.02 148% open hole excess, cement calculated back to surface. Multi stage tool to be set at approximately, depending hole conditions, 2500'. Cement volumes will be adjusted proportionately for depth changes

Lodd Federal UN,7 #519 Existing Well Bore Diagram. 990 FNL + 2310 FWL UNITC Section 11; T-17-5 R-29-E Eddy Co. New Mexico \ |\ لالے 4005×"C"5% Macl. 50psLCM Δ 1176' Cest 4/18/12

COG Operating LLC Master Drilling Plan Dodd: Grayburg Jackson; SR-Q-Grbg-SA Use for Sections 6-30, T17S, R29E Eddy County, NM

of multi stage tool, assumption for tool is water flow.

6. Minimum Specifications for Pressure Control

The blowout preventer equipment (BOP) shown in Exhibit #9 will consist of a double ram-type (2000 psi WP) preventer, and in some cases possibly a 2000 psi Hydril type annular preventer as provided for in Onshore Order #2. This unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top of 4 1/2" drill pipe rams on the bottom. A 13-5/8" or 11" BOP will be used, depending on the rig selected, during the drilling of the well. The BOP will be nippled up on the 13 3/8" surface casing with BOP equipment and tested to 2000 psi. When 11" BOP is used the special drilling flange will be utilized on the 13-3/8" head to allow testing the BOP with a retrievable test plug. After setting 8-5/8" the BOP will then be nippled up on the 8 5/8" intermediate casing and tested by a third party to 2000 psi and used continuously until total depth is reached. Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment (Exhibit #10) will include a Kelly cock and floor safety valve, choke lines and a choke manifold (Exhibit #11) with a 2000 psi WP rating.

The majority of the rigs currently in use have a 13-5/8" BOP, so no special provision is needed for most wells in the area for conventionally testing the BOP with a test plug. However, due to the vagaries of rig scheduling, it might be that one of the few rigs with 11" BOP's might be called upon to drill any specific well in the area. Note that intermediate hole size is always 11". Therefore, COG Operating LLC respectfully requests a variance to the requirement of 13-5/8" BOP on 13-3/8" casing. When that circumstance is encountered the special flange will be utilized to allow testing the entire BOP with a test plug, without subjecting the casing to test pressure. The special flange also allows the return to full-open capability if desired.

Use for Sections 6-3 Eddy County, NM

7. Types and Characteristics of the Proposed Mud System

The well will be drilled to TD with a combination of brine, cut brine and polymer mud system. The applicable depths and properties of this system are as follows:

DEPTH	TYPE	WEIGHT	VISCOSITY	WATERLOSS
0-297'	Fresh Water	8.5	28	N.C.
297'-1176'	Brine	10	30	N.C.
1176'-TD'	Cut Brine	8.7-9.2	30	N.C.

Sufficient mud materials will be kept at the well site to maintain mud properties and meet minimum lost circulation and weight increase requirements at all times.

8. Auxiliary Well Control and Monitoring Equipment

- A. Kelly cock will be kept in the drill string at all times.
- B. A full opening drill pipe-stabbing valve with proper drill pipe connections will be on the rig floor at all times.

9. Logging, Testing and Coring Program See Coff

- A. The electric logging program will consist of GR-Dual Laterolog, Spectral Density, Dual Spaced Neutron, CSNG Log and will be run from TD to Surface.
- B. Drill Stem test is not anticipated.
- C. No conventional coring is anticipated.
- D. Further testing procedures will be determined after the 5 ½" production casing has been cemented at TD, based on drill shows and log evaluation.

10. Abnormal Conditions, Pressure, Temperatures and Potential Hazards

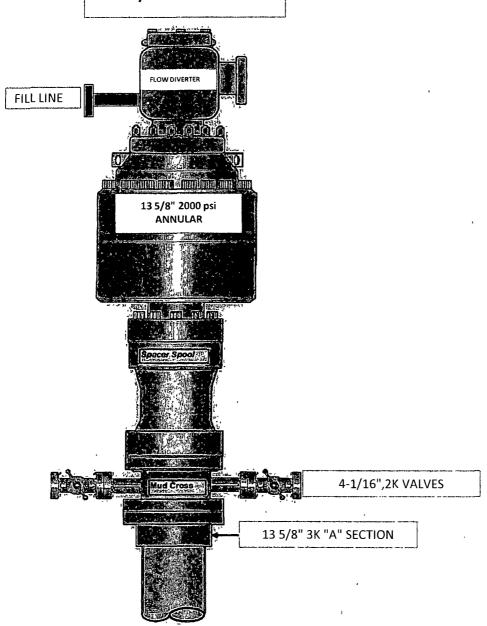
No abnormal pressures or temperatures are anticipated. The estimated bottom hole at TD is 110 degrees and the estimated maximum bottom hole pressure is 2300 psig. Measurable gas volumes or Hydrogen Sulfide levels have not been encountered during drilling operations in this area, although a Hydrogen Sulfide Drilling Operation Plan is attached to this program. No major loss of circulation zones has been reported in offsetting wells.

COG Operating LLC Master Drilling Plan Dodd: Grayburg Jackson; SR-Q-Grbg-SA Use for Sections 6-30, T17S, R29E Eddy County, NM

11. Anticipated Starting Date and Duration of Operations

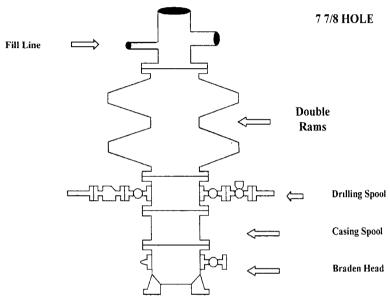
Road and location work will not begin until approval has been received from the BLM. As this is a Master Drilling plan, please refer to the Form 3160-3 for the anticipated start date. Once commenced, drilling operations should be finished in approximately 10 days. If the well is productive, an additional 30 days will be required for completion and testing before a decision is made to install permanent facilities. Completion is planned in the San Andres formation.

13 5/8" 2K ANNULAR



COG Operating LLC

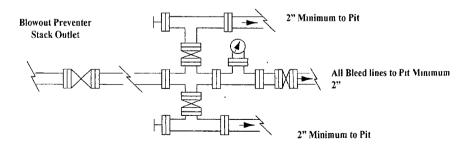
Exhibit #9 BOPE and Choke Schematic



Minimum 4" Nominal choke and kill lines

Choke Manifold Requirement (2000 psi WP) No Annular Required

Adjustable Choke



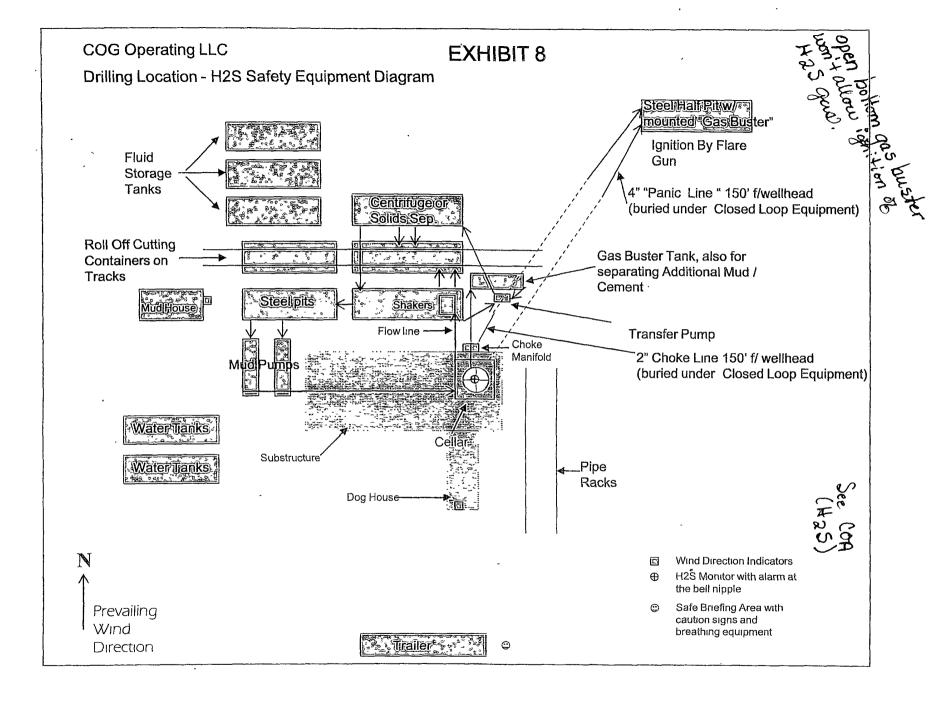
Adjustable Choke (or Positive)

Blowout Preventer Schematic

NOTES REGARDING THE BEOWOUT PREVENTERS Vizster Drilling, Plan Eddy County, New Mexico

- Drilling nipple to be so constructed that it can be removed without use of a welder through rolary table opening, with minimum I D, equal to preventer bore
- 2 Wear ring to be properly installed in head
- 3 Blow out preventer and all fittings must be in good condition, 2000 psi WP minimum
- 4 All fittings to be flanged
- 5 Safety valve must be available on rig-floor at all times with proper connections, valve to be full 2000 psi WP minimum
- 6 All choke and fill lines to be securely anchored especially ends of choke lines
- 7 Equipment through which bit must pass shall be at least as large as the diameter of the easing being drilled through
- 8 Kelly cock on Kelly
- 9 Extension wrenches and hands wheels to be properly installed
- 10 Blow out preventer control to be located as close to drillei's position as feasible.
- 11 Blow out preventer closing equipment to include minimum 40-gallon accumulator two independent sources of pump power on each closing unit installation all API specifications

Blowout Preventers Page 2



Closed Loop Operation & Maintenance Procedure

All drilling fluid circulated over shaker(s) with cuttings discharged into roll off container.

Fluid and fines below shaker(s) are circulated with transfer pump through centrifuge(s) or solids separator with cuttings and fines discharged into roll off container.

Fluid is continuously re-circulated through equipment with polymer added to aid separation of cutting fines.

Roll off containers are lined and de-watered with fluids re-circulated into system.

Additional tank is used to capture unused drilling fluid or cement returns from casing jobs.

This equipment will be maintained 24 hrs./day by solids control personnel and or rig crews that stay on location.

Cuttings will be hauled to either:

CRI (permit number R9166) or GMI (permit number 711-019-001)

dependent upon which rig is available to drill this well.

COG Operating LLC

Hydrogen Sulfide Drilling Operation Plan

I. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- 1. The hazards an characteristics of hydrogen sulfide (H2S)
- 2. The proper use and maintenance of personal protective equipment and life support systems.
- 3. The proper use of H2S detectors alarms warning systems, briefing areas, evacuation procedures, and prevailing winds.
- 4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- 1. The effects of H2S on metal components. If high tensile tubular are to be used, personnel well be trained in their special maintenance requirements.
- 2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- 3. The contents and requirements of the H2S Drilling Operations Plan and Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan. The concentrations of H2S of wells in this area from surface to TD are low enough that a contingency plan is not required.

H2S Plan Page 1

II. H2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonable expected to contain H2S.

1. Well Control Equipment:

- A. Flare line.
- B. Choke manifold.
- C Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
- D. Auxiliary equipment may include if applicable: annular preventer & rotating head.

2. Protective equipment for essential personnel:

A. Mark II Survive air 30-minute units located in the doghouse and at briefing areas, as indicated on well site diagram.

3. H2S detection and monitoring equipment:

A. 1 portable H2S monitors positioned on location for best coverage and response.

These units have warning lights and audible sirens when H2S levels of 20 PPM are reached.

4. Visual warning systems:

- A. Wind direction indicators as shown on well site diagram (Exhibit #8).
- B. Caution/Danger signs (Exhibit #7) shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.

5. Mud program:

A. The mud program has been designed to minimize the volume of H2S circulated to surface. Proper mud weight, safe drilling practices, and the use of H2S scavengers will minimize hazards when penetrating H2S bearing zones.

6. Metallurgy:

- A. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.
- B. All elastomers used for packing and seals shall be H2S trim.

7. Communication:

- A. Radio communications in company vehicles including cellular telephone and 2-way radio.
- B. Land line (telephone) communication at Office.

8. Well testing:

- A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safely and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H2S environment will use the closed chamber method of testing.
- B. There will be no drill stem testing.

EXHIBIT #7

WARNING YOU ARE ENTERING AN H2S

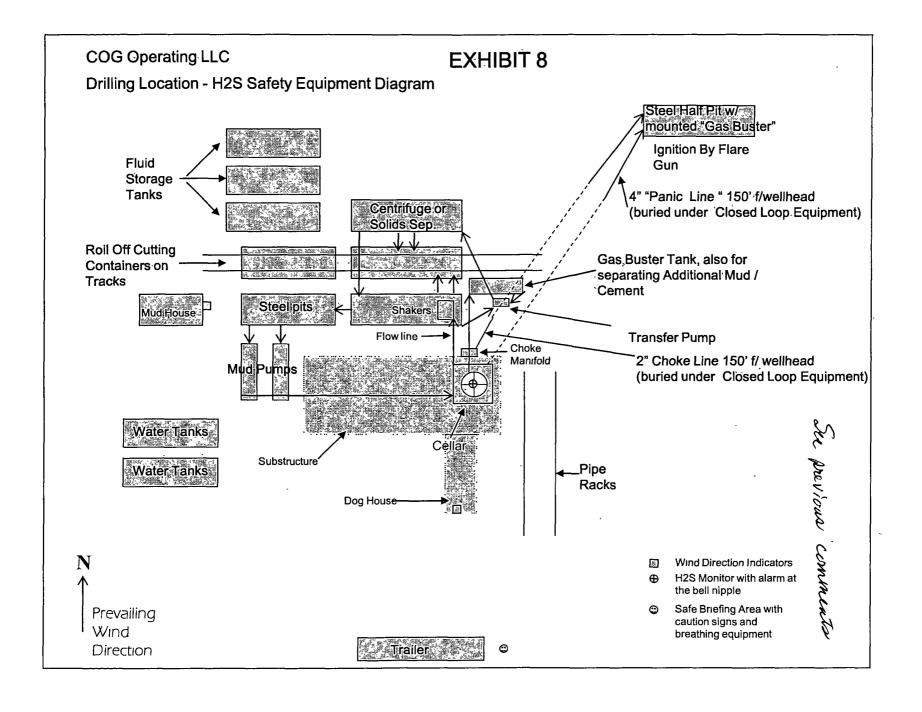
AUTHORIZED PERSONNEL ONLY

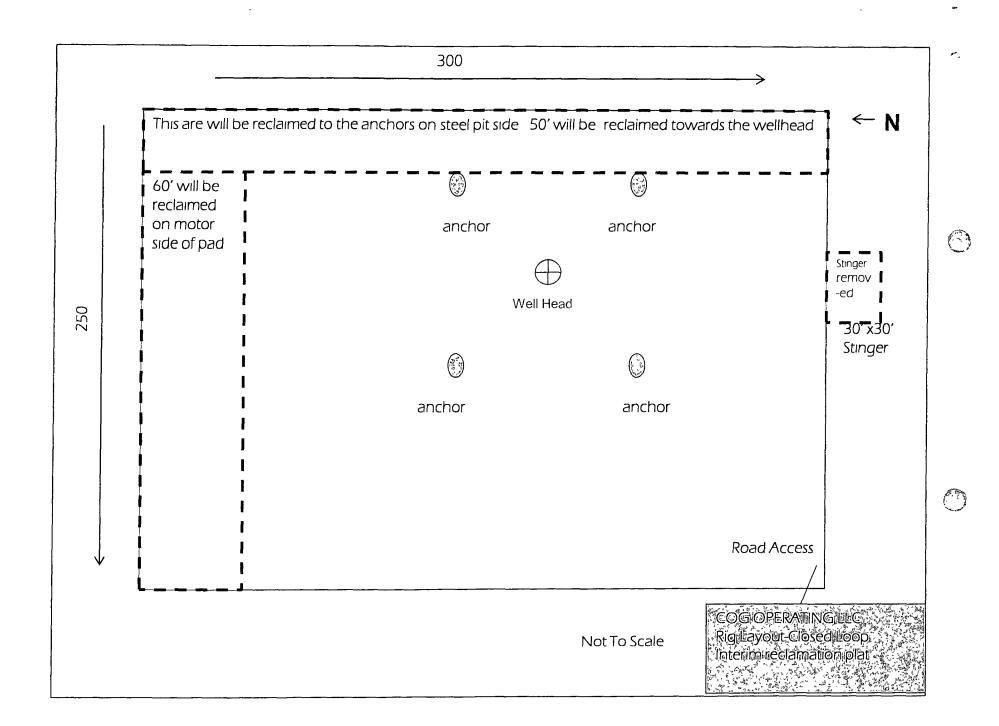
- 1. BEARDS OR CONTACT LENSES NOT ALLOWED
- 2. HARD HATS REQUIRED
- 3. SMOKING IN DESIGNATED AREAS ONLY
- 4. BE WIND CONSCIOUS AT ALL TIMES
- 5. CHECK WITH COG OPERATING FOREMAN AT

COG OPERATING LLC 1-432-683-7443 1-575-746-2010

EDDY COUNTY EMERGENCY NUMBERS
ARTESIA FIRE DEPT. 575-746-5050
ARTESIA POLICE DEPT. 575-746-5000
EDDY CO. SHERIFF DEPT. 575-746-9888

LEA COUNTY EMERGENCY NUMBERS
HOBBS FIRE DEPT. 575-397-9308
HOBBS POLICE DEPT. 575-397-9285
LEA CO. SHERIFF DEPT. 575-396-1196





Surface Use Plan COG Operating, LLC Dodd Federal Unit #519 SL: 990' FNL & 2310' FWL

UL C

Section 11, T-17-S, R-29-E Eddy County, New Mexico

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 14-A Federal Tank Battery to be located in Section 14 at the Dodd Federal Unit #602 well location in T17-S R29-E at approx 200' FNL & 850' FEL 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 14-A Federal Tank Battery to be located in Section 14 at the Dodd Federal Unit #602 well location in T17-S R29-E at approx. 200' FNL & 850' FEL. The flowline will be SDR 7 3" poly line laid on the surface and will be approximately 2.2 mile 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.

Surface Use Plan COG Operating, LLC Dodd Federal Unit #519 SL: 990' FNL & 2310' FWL Section 11, T-17-S, R-29-E

Eddy County, New Mexico

UL C

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 Exhibit #1. 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.

Surface Use Plan COG Operating, LLC Dodd Federal Unit #519 SL: 990' FNL & 2310' FWL Section 11, T-17-S, R-29-E

Eddy County, New Mexico

UL C

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 recontoured 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 re-seeded with a BLM approved mixture and revegetated 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

Surface Use Plan COG Operating, LLC Dodd Federal Unit #519 SL: 990' FNL & 2310' FWL Section 11, T-17-S, R-29-E

UL C

12.Other Information:

Eddy County, New Mexico

- 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 Southern New Mexico Archaeological Services, Inc. P.O. Box 1, Bent New Mexico, 88314, phone # 505-671-4797 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:

John Coffman,	Erick Nelson.		
Drilling Superintendent	Division Operations Manager		
COG Operating LLC	COG Operating LLC		
550 W Texas, Suite 1300	550 W. Texas, Suite 1300		
Mıdland, TX 79701	Mıdland, TX 79701		
Phone (432) 683-7443 (office)	Phone (505) 746-2210 (office)		
(432) 631-9762 (cell)	(432) 238-7591 (cell)		

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME: COG OPERATING LLC
LEASE NO.: NMLC028731B
WELL NAME & NO.: 685 DODD FEDERAL
SURFACE HOLE FOOTAGE: 990' FNL & 2310' FWL
BOTTOM HOLE FOOTAGE
LOCATION: Section 11, T.17 S., R.29 E., NMPM
COUNTY: Eddy County, New Mexico

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Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

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