FORM APPROVED Form 3160-3 OMB No 1004-0137 Expires March 31, 2007 (April 2004) UNITED STATES Lease Senal No. DEPARTMENT OF THE INTERIOR NMLC-068722 BUREAU OF LAND MANAGEMENT 6 If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7 If Unit or CA Agreement, Name and No DRILL la. Type of work. REENTER 8. Lease Name and Well No lb. Type of Well ✓ Oil Well Gas Well Single Zone | Multiple Zone SIDEMARINE 10 FEDERAL #2H Name of Operator 9 API Well No. COG Operating LLC 30-015 3a Address 3b. Phone No. (include area 550 W. Texas Ave., Suite 100 Midland, TX 79701 432-685-4385 11 Sec., T. R. M. or Blk and Survey or Area Location of Well (Report location clearly and in accordance with any State requirements.*) SHL: 330' FSL & 990' FWL, Unit M Sec 10 T17S R29E At proposed prod zone BHL: 330' FNL & 990' FWL, Unit D 13 State 12. County or Parish 14 Distance in miles and direction from nearest town or post office* 2 miles from Loco Hills, NM **EDDY** 'NM Distance from proposed* 16. No. of acres in lease 17 Spacing Unit dedicated to this well location to nearest property or lease line, ft (Also to nearest drig, unit line, if any) 330 18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft 19 Proposed Depth 20 BLM/BIA Bond No. on file 300 TVD: 4700' MD: 9117' NMB000740; NMB000215 Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 3572' GL 04/30/2012 15 days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1, shall be attached to this form. 1 Well plat certified by a registered surveyor 4 Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2 A Drilling Plan

- 3 A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office)
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer

Fille Regulatory Analyst		
Approved by (Signature) /s/ Don Peterson	Name (Printed/Typefs/ Don Peterson	JUL 2 6 2012
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Name (Printed/Typed)

Robyn M. Odom

Application approval 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.

Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

·Date

02/21/2012

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)

25 Signature

JUL 30 2012

NMOCD ARTESIA

Roswell Controlled Water Basin

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Approval Subject to General Requirements & Special Stipulations Attached

Surface Use Plan COG Operating, LLC Sidemarine 10 Federal #2H SL: 330' FSL & 990' FWL

BHL: 330' FNL & 990' FWL

Section 10, T-17-S, R-29-E Eddy County, New Mexico UL M UL D

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 21st day of February, 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

E-mail: cbird@conchoresources.com

Surface Use Plan Page 8

DISTRICT 1
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, Aziec, 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, New Mexico 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

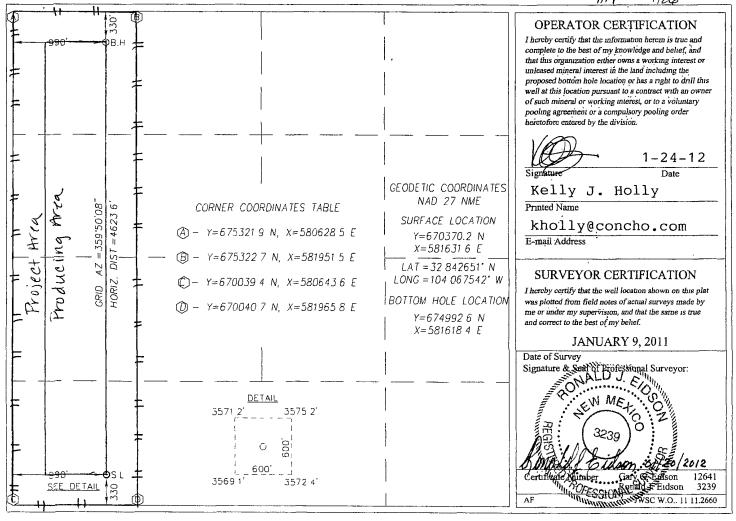
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30-015-	4/)	92	Dodd; Glorieta-Upper Yeso									
Property C	ode			6000	Property Name	ê		We	ll Number	1		
39373	_	SIDEMARINE 10 FEDERAL 2H										
OGRID 1	vo.	Operator Name Elevation										
229137	COG OPERATING, LLC 3572'								3572'			
Surface Location												
UL or lot No.	Section	Township Range Lot Idn Feet from the North/South line Feet from the East/West line						County	7			
M	10	17-S 29-E 330 SOUTH 990 WEST EDDY							EDDY	1		

Bottom Hole Location If Different From Surface

UL or lot No.	Section 10	Township 17-S	Range 29-E	Lot Idn	Feet from the 330	North/South line NORTH	Feet from the 990	East/West line WEST	County EDDY
Dedicated Acres	Joint or	Infill C	Consolidation C	ode Ord	er No.	<u></u>	71	<u></u>	

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

9117 1/24



ATTACHMENT TO FORM 3160-3 COG Operating, LLC SIDEMARINE 10 FEDERAL #2H Page 2 of 4

6. Casing Program - Proposed

Hole sıze	Interval	OD of Casing		Cond.	Collar_	Grade
See 17-1/2" Col Collapse sf	0' - +/-400 ^{°,} - 4.36, Burst sf -	13-3/8" 9.79, Tension sf	48# 16 77	New	STC	H-40 or Hybrid J-55
·- ·· ·	0' - +/-1350' - 3.16, Burst sf	9-5/8" 5.51, Tension sf	36# 9.32	New	STC	J/K-55
7" Csg - Col		7" x 5-1/2" Burst sf – 2.07, Te Burst sf – 2.08,			LTC	L-80

Production string will be a tapered string with 7" 26# L-80 LTC ran from surface to kick off point and then crossed over to 5 $\frac{1}{2}$ " 17# L-80 LTC.

7. Cement Program See COA

13 3/8" Surface Csg: Set at +/- 400'MD, Lead Slurry: 400sx Class "C" w/ 2% CaCl2 & .25 pps CF, 1.32 yield. 190% excess, calculated to surface.

9 5/8" Intrmd. Csg: Set at +/- 1350'MD. Single Stage: Lead Slurry: 300 sx 50:50:10:C:Poz:Gel w/ 5% salt, 5 pps LCM-1 25 pps CF, 2.45 yield. Tail Slurry: 200 sx Class "C" w/ 2% CaCl2, 1 32 yield. 185% excess, calculated to surface.

Multi Stage: Stage 1: 200 sx Class "C" w/ 2% CaCl2, 1 32 yield. 45% excess. Stage 2: 300 sx 50:50.10:C:Poz:Gel w/ 5% salt, 5 pps LCM-1 .25 pps CF, 2.45 yield, back to surface, 185% excess; assumption for tool is lost circulation. Multi stage tool to be set at approximately, depending on hole conditions, 450' (50' below the surface casing). Cement volumes will be adjusted proportionately for depth changes of multi stage tool.

7 x 5 1/2" Production Csg: Set at +/- 9117'MD. Single Stage: Lead Slurry: 400 sx 35:65:6:C.Poz:Gel w/ 5% salt, 5 pps LCM, .2% SMS, .3% FL-52A, .125 pps CF, 2.01 yd. Tail Slurry: 300 sx 50:50:2:C:Poz:Gel w/ 5% salt, 3 pps LCM, .6% SMS, 1% FL-25, 1% BA-58, .125 pps CF, .3% FL-52A; 1.37 yield. DV Tool and ECP to be set at kick off point with 7" cemented to surface and 5 ½" run with +/- 18 isolation packers and sliding sleeves in uncemented lateral. 129% excess in open hole, from kick off point, calculated to surface. This is a minimum volume and will be adjusted up after caliper is run.

Multi Stage: Stage 1: (From assumed KOP of 4223' MD to DV at 3000') Lead Slurry: 200 sx 50:50:2:C:Poz:Gel w/ 5% salt, 3 pps LCM, .6% SMS, 1% FL-25, 1% BA-58, 125 pps CF, .3% FL-52A; 1.37 yield. 49% excess. This is a minimum volume and will be adjusted up after caliper is run. Stage 2: Lead Slurry: 400 sx 50:50:2:C:Poz:Gel w/ 5% salt, 3 pps LCM, .6% SMS, 1% FL-25, 1% BA-58, .125 pps CF, .3% FL-52A; 1.37 yield. Tail Slurry: 300 sx Class C w/ 0.3% R-3 + 1.5% CD-32, 1.02 yield. 154% excess calculated back to surface (no need for excess in casing overlap). DV tool to be set at 3000'. DV Tool depth will be adjusted depending on hole conditions. Stage packer to be set at kick off point at 4223', with 7" casing cemented from kick off point to surface and 5 ½" casing run from kick off point to TD with +/- 18 isolation packers and sliding sleeves in uncemented lateral. This is a minimum volume and will be adjusted up after caliper is run.

Multi stage too to be set at approximately 3000, depending on hole conditions. Cement volumes will be adjusted proportionately for depth changes of multi stage too, assumption for use of tool is water flow.

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ATTACHMENT TO FORM 3160-3 COG Operating, LLC SIDEMARINE 10 FEDERAL #2H Page 3 of 4

8. Pressure Control Equipment:

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" BOP will be used during the drilling of the well. A 13 5/8" permanent casing head will be installed on the 13 3/8" casing. The BOP will be nippled up on the 13 5/8" permanent casing head and tested to 2000 psi. After setting 9-5/8", permanent "B section" well head will be installed and the BOP will then be nippled up on the permanent B section well head 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.

9. Proposed Mud Circulating System

Interval	Mud Wt.	Visc.	FL	Type Mud System
0' - 400' 925	8.5	28	NC	Fresh water native mud w/ paper for seepage and sweeps. Lime for PH.
400'- 1350'	10	30	NC	Brine mud, lime for PH and paper for seepage and sweeps.
1350'- 9117'	9.1	29	NC	Drill section with fresh water/cut brine circulating the reserve utilizing periodic sweeps of paper as needed for seepage control and solids removal.

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

10. Production Hole Drilling Summary:

Drill 8 ¾" hole and kick off at +/- 4223', building curve over +/- 750' to horizontal at 4700' TVD.

Drill 7 7/8" lateral section in a northerly direction for +/-4145' lateral to TD at +/-9117' MD, 4700'

TVD. Run 7" x 5-1/2" production casing. 7" to be ran from surface to kickoff point and changed over to 5 ½" with DV Tool and ECP at kickoff point. 5 ½" casing will be ran from kickoff point to td and isolation packers set throughout lateral. 7" to be cemented from kickoff point to surface.

11. 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.

ATTACHMENT TO FORM 3160-3 COG Operating, LLC SIDEMARINE 10 FEDERAL #2H Page 4 of 4

12 Logging, Testing and Coring Program: See COA

- A. No electric logs to be run.
- B. The mud logging program will consist of lagged 10' samples from intermediate casing point to T.D. in vertical pilot hole and from Kick off point to TD in Horizontal hole.
- C. Drill Stem test is not anticipated.
- D. No conventional coring is anticipated.
- E. Further testing procedures will be determined after the 7" x 5 ½" production casing has been cemented at TD based on drill shows and log evaluation

13. Abnormal Conditions, Pressures, Temperatures and Potential Hazards:

No abnormal pressures or temperatures are anticipated. The estimated bottom hole temperature at TD of pilot hole is 90 degrees and estimated maximum bottom hole pressure is 2000 psig. Measurable gas volumes or Hydrogen Sulfide levels have not been encountered during drilling operations in this area, however an H2S plan is attached to the Drilling Program. No major loss of circulation zones has been reported in offsetting wells.

14. Anticipated Starting Date

Drilling operations will commence approximately on <u>May 15, 2012</u> with drilling and completion operations lasting approximately **90** days.



COG Operating LLC

Eddy County, NM (NAN27 NME) Sidemarine 10 Federal #2H Sidemarine 10 Federal #2H

OH

Plan: Plan #1 8-3/4" Hole SHL = 330' FSL & 990' FWL BHL = 330' FNL & 990' FWL

Standard Planning Report

26 January, 2012





SDI Planning Report



Site Sidemarine 10 Federal #2H

Database: EDM 5000 1 Single User Db

Project: Eddy County, NM (NAN27 NME)
Site
Well: Sidemarine 10 Federal #2H

Wellbore

Map.Zone:

Design: 1 8-3/4

Local Co-ordinate Reference:

TVD Reference: GL @ 3572-00usft GL @ 3572-00usft GL @ 3572-00usft

North Reference: Grid

Survey Calculation Method: Minimum Curvature

Project Eddy County, NM (NAN27 NME)

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)

NAD 1927 (NADCON CONUS) New Mexico East 3001 System Datum: Mean Sea Level

NAD 1927 (NADCON CONUS)

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 Well
 Sidemarine 10 Federal #2H

 Well Position
 +N/-S
 0.00 usft
 Northing:
 670,370 20 usft
 Latitude:
 32° 50' 33 542 N

 +E/-W
 0.00 usft
 Easting:
 581,631 60 usft
 Longitude:
 104° 4' 3 151 W

+E/-W 0 00 usft Easting: 581,631 60 usft Longitude: 104° 4' 3 151 W

Position Uncertainty 0 00 usft Wellhead Elevation: Ground Level: 3,572 00 usft

Wellbore OH

Magnetics Model Name Sample Date Declination Dip Angle Field Strength

(9) (nT)

IGRF2010 2012/01/26 7:79 60.66 48.871

Design Plan #1 8-3/4" Hole **Audit Notes:** Version: Phase: PLAN 0.00 Tie On Depth: Depth From (TVD) +N/-S +E/-W (usft) (usft) (üsft) 0 00 0 00 0.00 359 84

Plan Sections Measured Dogleg Depth. Inclination Azimuth Depth Rate Rate (usft) (\$/100usft) (\$/100usft) (१/100usft) .· (usft) 🐔 (°) (usft) 🖫 , .0 00 0.00 0 00 0 00 0.00 0 00 000 0 00 0 00 0 00 4,222 54 0 00 0 00 4,222 54 0 00 0 00 0 00 0 00 0 00 0 00 4,972.54 90 00 359 84 4,700 00 477 46 -1 36 12 00 12 00 359 84 0 00 9,117 49 90 00 359 84 4,700 00 4,622 40 -13 20 0 00 0 00 0.00 0 00 PBHL-Sidemarine 10



SDI Planning Report



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SDI Planning Report



Database: EDM 5000 1, Single User Db Company: COG Operating LLC Company:

Eddy County, NM (NAM27 NME) Sidemarine 10 Federal #2H

Sidemarine 10 Federal #2H

Wellbore:

Design: Plan #1 8-3/4" Hole

Local Co-ordinate Reference TVD Reference:

MD Reference: North Reference:

Sûrvey Calculation Method:

Site Sidemarine 10 Federal #2H GL @ 3572 00 ush

GL @ 3572 00 usft

Minimum Curvature

Planned Survey

Project:

Site:

Well:

Dogleg Rate Measured Depth (usft) Depth Inclination Azimuth (0) Rate +N/-S +E/-W Section (usft) (usft) Rate (°/100usft) (°/100usft) ្ទ(°/100ប៉ុន្តិ៍ft) 😓 រ 9,117.49 90 00 359 84 4,700.00 4,622 40 -13 20 0.00

PBHL-Sidemarine 10 Fed #2H

Design Targets Target Name - hit/miss target Dip Angle Dip Dir TVD Northing. Easting w(usft) (usft) 🐔 (üsft) (usft) PBHL-Sidemarine 10 Fe 4,700 00 0.00 4,622 40 -13 20 674,992 60 581,618 40 32° 51' 19.283 N 104° 4' 3 170 W - plan hits target center - Point

Pian Annotations Measured Depth (usft)	Vertical Cepth (usrt)	Local Coordin +N/-S (usft)	ātēs +E/-W (usft)	Comment
4,222.54	4,222 54	0 00	0 00	KOP Start Build 12.00°/100'
4,972 54	4,700 00	477 47	-1.36	Land EOC hold 90 00°

ℬCONCHO

Sidemarine 10 Federal #2H
Eddy County, NM (NAN27 NME)
Northing: (Y) 670370.20
Easting. (X) 581631.60
Plan #1 8-3/4" Hole

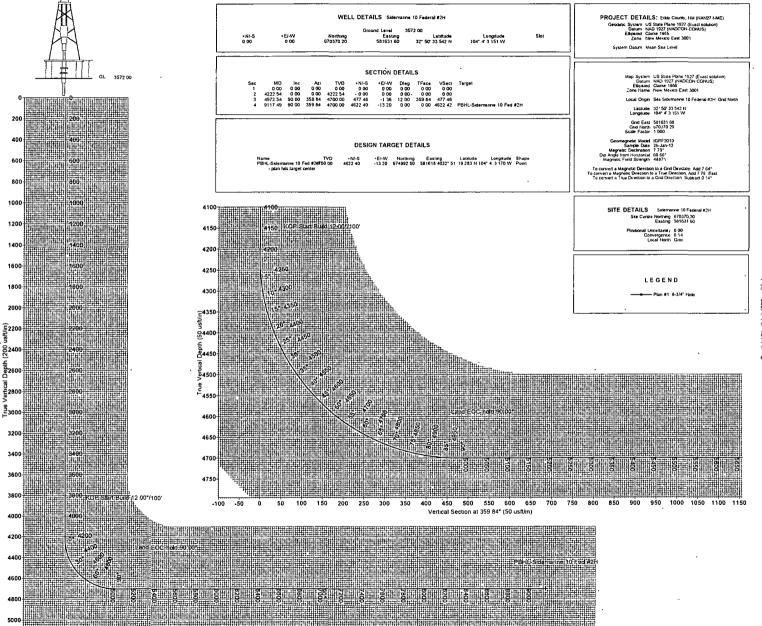




nvert a Magnetic Direction to a Gnd Direction. Add 7 64°

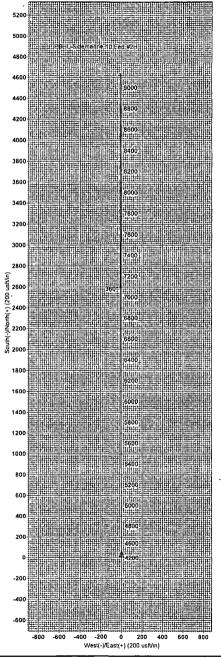
True North -0.14*
Magnetic North 7 64*
Magnetic Field
Strength - 48871 0snT
Dip Angle 60 65*
Date 2012/01/26
act 0.14*
Model IGRE2010

Azemuths to Grid North



200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 3800 4000 4200 4400 4600 4800 5000

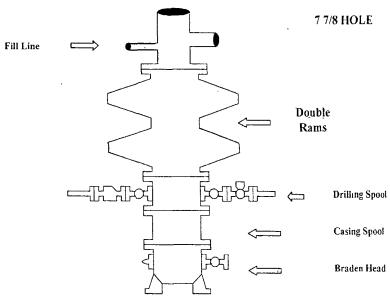
Vertical Section at 359 84* (200 usft/in)



13 5/8" 2K ANNULAR FLOW DIVERTER FILL LINE 13 5/8" 2000 psi ANNULAR 4-1/16",2K VALVES 13 5/8" 3K "A" SECTION

COG Operating LLC

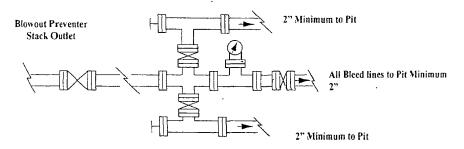
Exhibit #9 BOPE and Choke Schematic



Minimum 4" Nominal choke and kill lines

Choke Manifold Requirement (2000 psi WP) No Annular Required

Adiustable Choke



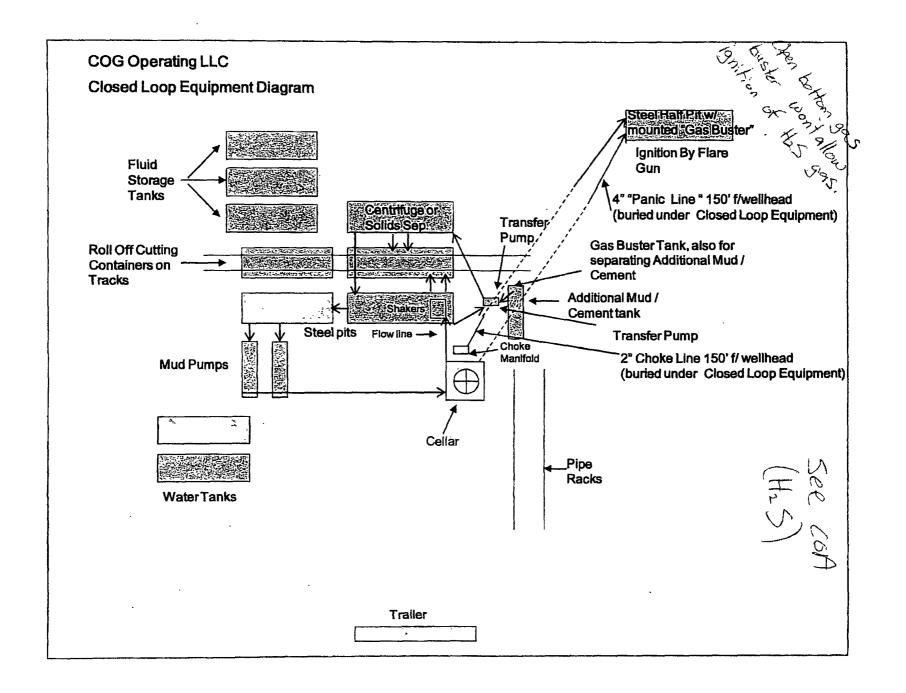
Adjustable Choke (or Positive)

NOTES REGARDING THE BLOWOUT PREVENTERS

Master Drilling Plan Eddy County, New Mexico

- Drilling nipple to be so constructed that it can be removed without use of a welder through rotary 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 casing 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 driller'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

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. H28 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

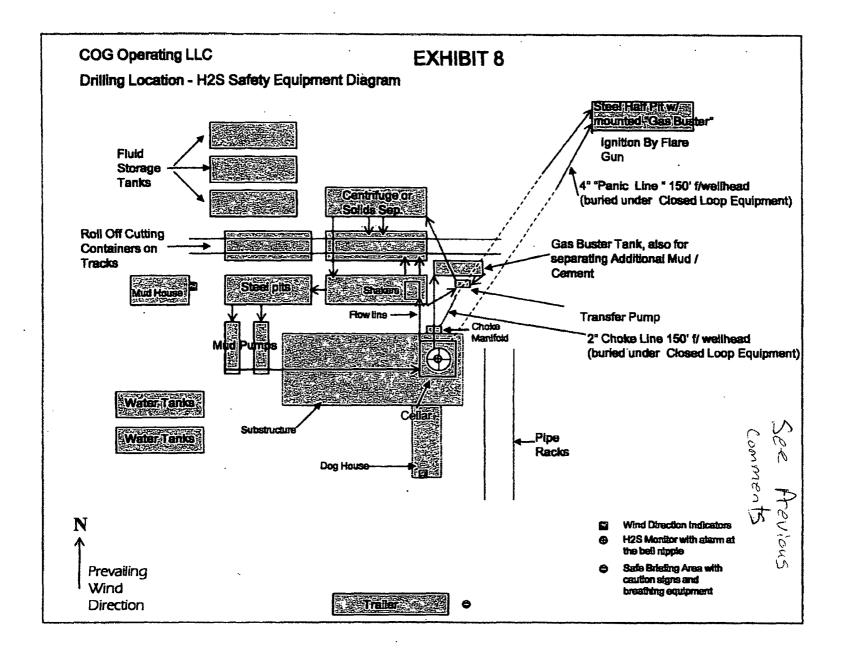
WARNING YOU ARE ENTERING AN H2S AUTHORIZED PERSONNEL ONLY

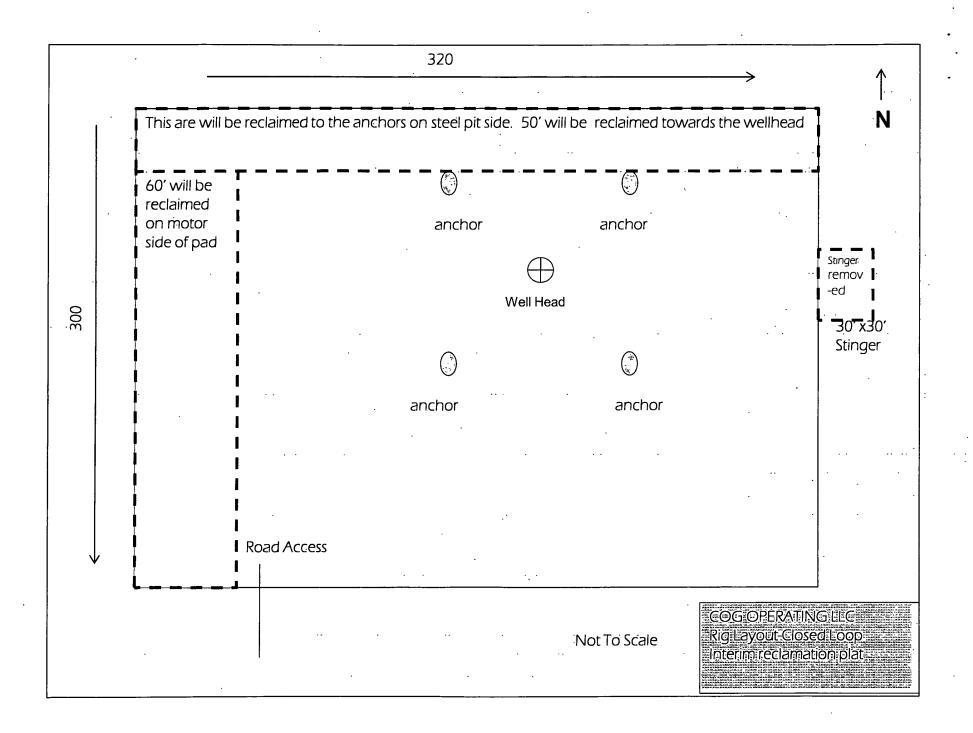
- 1. BEARDS OR CONTACT LENSES NOT ALLOWED
- 2. HARD HATS REQUIRED
- 3. SMOKING IN DESIGNATED AREAS ONLY
- 4. BE WIND CONSCIOUS AT ALL TIMES
- 5. CHECK WITH COG OPERATING FOREMAN AT

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 Sidemarine 10 Federal #2H

SL: 330' FSL & 990' FWL BHL: 330' FNL & 990' FWL UL M UL D

Section 10, T-17-S, R-29-E Eddy County, New Mexico

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 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

Midland, TX 79701 Midland, TX 79701

Phone (432) 683-7443 (office) Phone (505) 746-2210 (office)

(432) 631-9762 (cell) (432) 238-7591 (cell)

Surface Use Plan Page 7

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME: COG OPERATING, LLC
LEASE NO.: NMLC068722
WELL NAME & NO.: 2H – SIDEMARINE 10 FEDERAL
SURFACE HOLE FOOTAGE: 0330'/S. & 0990'/W.
BOTTOM HOLE FOOTAGE 0330'/N. & 0990'/W.
LOCATION: Section 10, 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.

General Provisions
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Archaeology, Paleontology, and Historical Sites
Noxious Weeds
Special Requirements
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Notification
Topsoil
Closed Loop System
Federal Mineral Material Pits
Well Pads
Roads
Road Section Diagram
☑ Drilling
H2S requirement
Logging requirement
Waste Material and Fluids
Production (Post Drilling)
Well Structures & Facilities
Pipelines
Electric Lines
Interim Reclamation
Final Ahandanment & Declaration