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Form 3160 -3 (April 2004)

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FORM APPROVED OMB No 1004-0137 Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

VMOCD ARTES MUC - 029418A

| BUREAU OF LAND MANAC | GEMENT NMOCL |) AHIE | 5 DAYILC - 029418 | 3A | | |
|---|--|----------------------|--|----------------------|--------------|--|
| APPLICATION FOR PERMIT TO DRILL OR REENTER | | | 6 If Indian, Allotee or Tribe Name | | | |
| | | | N/A | | | |
| Type of work | | | 7 If Unit or CA Agreement, Name and No NMNM-71030C; Skelly Unit | | | |
| Type of Well. ✓ Orl Well Gas Well Other Single Zone Multiple Zone | | | 8 Lease Name and Well No SKELLY UNIT #647 < 30560 | | | |
| Name of Operator Chevron USA Agent: COG Op | erating LLC 62291 | 1377 | API Well No. 40 | 0452 | | |
| a Address 550 W. Texas Ave., Suite 100 Midland, TX 79701 | Phone No (include area code) 432-685-4384 | 10 | 10 Field and Pool, or Exploratory FROM (Mar Loco; Glorieta-Veso 97866 2) | | | |
| Location of Well (Report location clearly and in accordance with any State requirements *) | | | 11 Sec, T R M or Blk and Survey or Area | | | |
| At surface SHL: 278 FSL & 194 FEL, Unit P Su. 15 | | | Sec 14 & 15 T17S R31E | | | |
| At proposed prod zone BHL: 330 FSL & 330 FWL, Unit M Sec. 14 | | | | | | |
| Distance in miles and direction from nearest town or post office* | | | 2 County or Parish | 13 State | 2 | |
| 9 miles East of Loco Hills, NM | | | EDDY | 1 | NM | |
| 5 Distance from proposed* Include to nearest property or lease line, fit | 6 No of acres in lease | 17 Spacing U | 7 Spacing Unit dedicated to this well 40 | | | |
| (Also to nearest drig unit line, if any) 194' | 640 | | | | | |
| | 19 Proposed Depth | 20 BLM/BIA | Bond No on file | | | |
| to nearest well, drilling, completed, applied for, on this lease, ft | TVD: 6800' MD: 6830' | | NMB000740; NMB000215 | | | |
| | 2 Approximate date work will star | rt* 2. | 23 Estimated duration | | | |
| 3881' GL | 04/30/2012 | 04/30/2012 | | | 15 days | |
| | 24. Attachments | | | | | |
| he following, completed in accordance with the requirements of Onshore C | Oil and Gas Order No 1, shall be a | ttached to this f | orm. | | | |
| . Well plat certified by a registered surveyor. | 4 Bond to cover to Item 20 above). | he operations | unless covered by an | existing bond on f | ile (see | |
| A Surface Use Plan (If the location is on National Forest System Lai SUPO shall be filed with the appropriate Forest Service Office) | | specific inform | nation and/or plans as | may be required b | y the | |
| 5 Signature | | Name (Printed/Typed) | | | Date | |
| | Kelly Holly | | | 02/13/2012 | | |
| rile Permitting Tech | | | | | | |
| pproved by (Signature) James A. Annos | Name (Printed/Typed) | mes A. | Amos | Date JUL | 19 20 | |
| itle | Office | | | 6 | | |
| FIELD MANAGER | CARL | SBAD F | TELD OFF | ICE | | |
| application approval does not warrant or certify that the applicant holds le | legal or equitable title to those righ | its in the subjec | t lease which would e | ntitle the applicant | to | |
| onduct operations thereon Conditions of approval, if any, are attached | APPRO | VAL FO | DR TWO Y | FARR | | |
| Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crimitates any false, fictitious or fraudulent statements or representations as to a | ne for any person knowingly and v | | | | aited | |

*(Instructions on page 2)

ROSWELL CONTROLLED WATER BASIN

SEE ATTACHED FUR CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO COMMENTS AND SPECIAL STIPULATIONS ATTACHED

Surface Use Plan COG Operating, LLC Skelly Unit #647

SL: 278' FSL & 194' FEL

Section 15, T-17-S, R-31-E BHL: 330' FSL & 330' FWL

ULM

UL P

Section 14, T-17-S, R-31-E Eddy County, New Mexico

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 10th day of January, 2012.

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 Brid

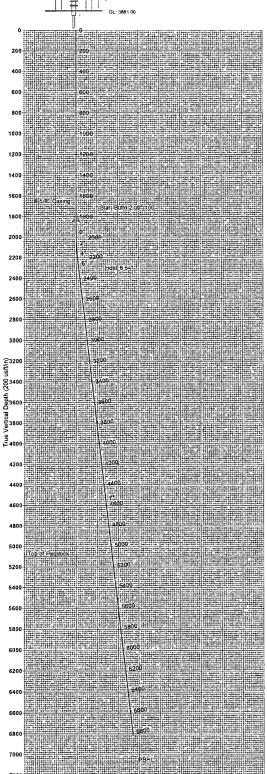
E-mail: cbird@conchoresources.com

Surface Use Plan Page 8



Skelly Unit #647 Eddy County, NM (NAN27 NME) Northing: (Y) 665283.20 Easting: (X) 648776.50









WELL DETAILS Skelly Unit #847

SECTION DETAILS

. DESIGN TARGET DETAILS

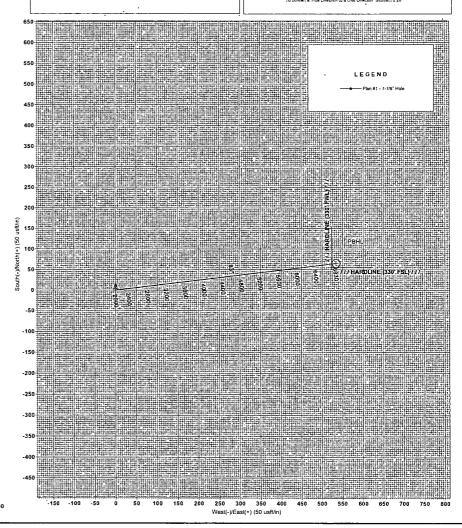
FORMATION TOP DETAILS

CASING DETAILS

TVDPath MDPath Formation 5100 00 5119 23 Top of Paddock

ncel Opper Site Skelly Linu #647 God

Latitude, 32* 49 40 847 N Longitude 103* 50 56 402 W



COG OPERATING LLC

550 West Texas, Suite 1300 Midland, TX 79701

DIRECTIONAL PLAN VARIANCE REQUEST

SKELLY UNIT #647 EDDY COUNTY, NM

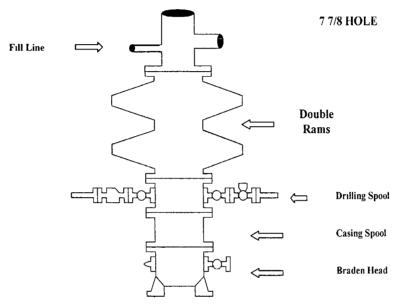
SHL 278 FSL 194 FEL Sec 15, T17S, R31E, UL P BHL 330 FSL 330 FWL Sec 14, T17S, R31E, UL M

COG Operating LLC, as Operator, desires that the APD reflect the footages as stated on the surveyor's plat. However, Operator also desires to avoid inadvertently drilling the well to a non-standard location. Therefore, due to the proximity of the plat bottom hole location to the pro-ration unit hard line(s), the attached directional plan is designed to avoid the hard lines by as much as fifty feet; said fifty feet being in either (or both) the north-south and/or east-west directions as applicable.

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

COG Operating LLC

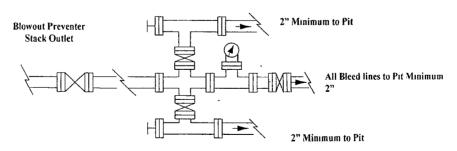
Exhibit #9 BOPE and Choke Schematic



Minimum 4" Nominal choke and kill lines

Choke Manifold Requirement (2000 psi WP) No Annular Required

Adjustable Choke



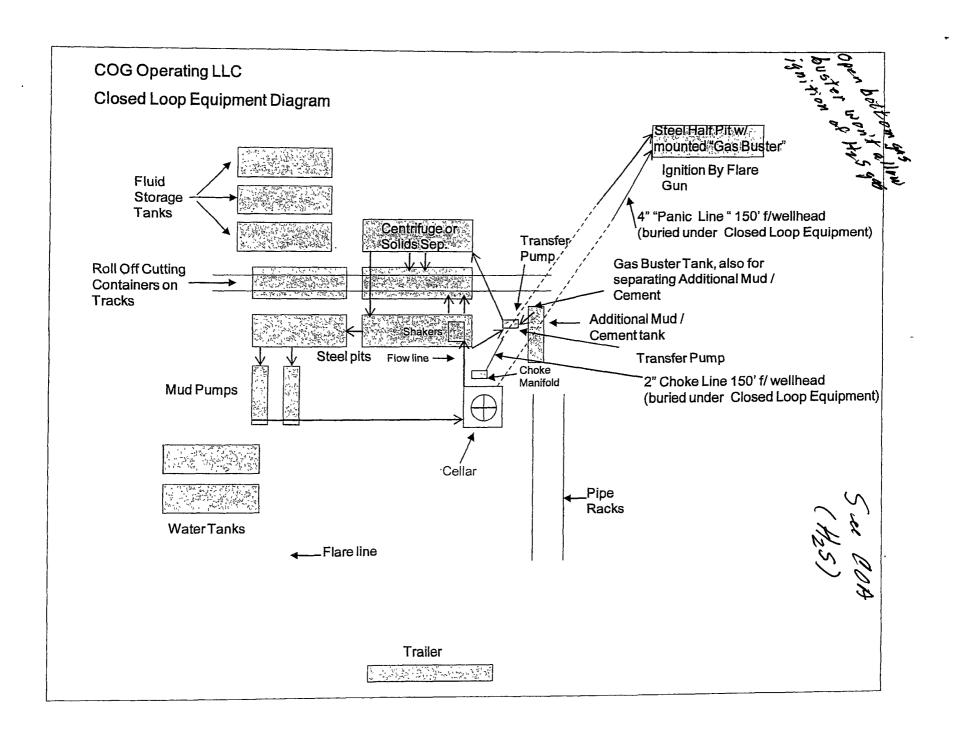
Adjustable Choke (or Positive)

NOTES REGARDING THE BLOWOUT PREVENTERS

Master Drilling Plan Eddy County, New Mexico

- 1. 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



Liosed 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.

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.

H2S Plan Page 2

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

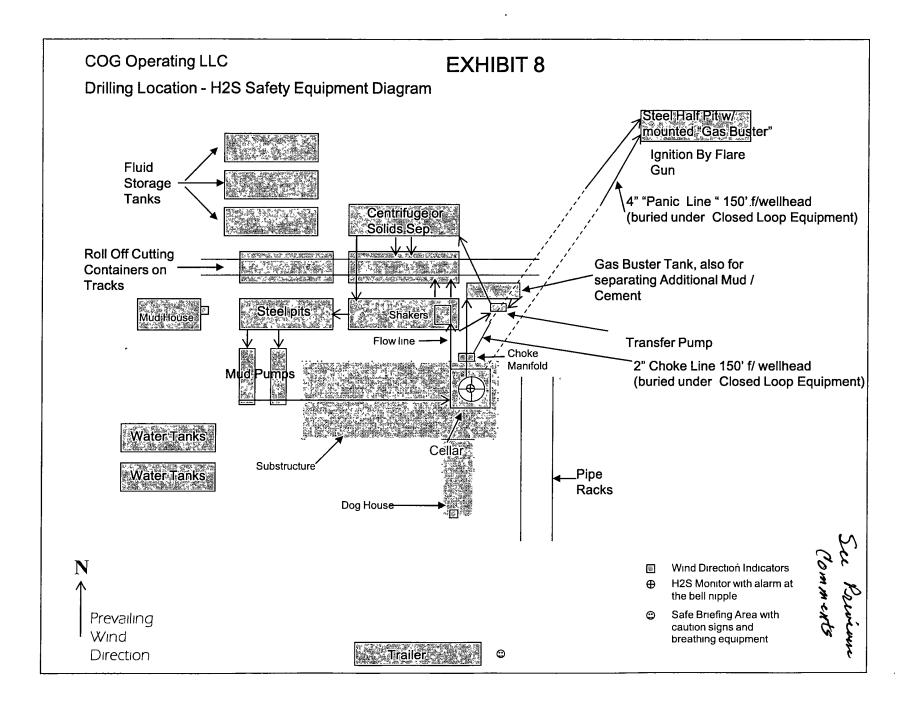
AUTHORIZED PERSONNEL ONLY

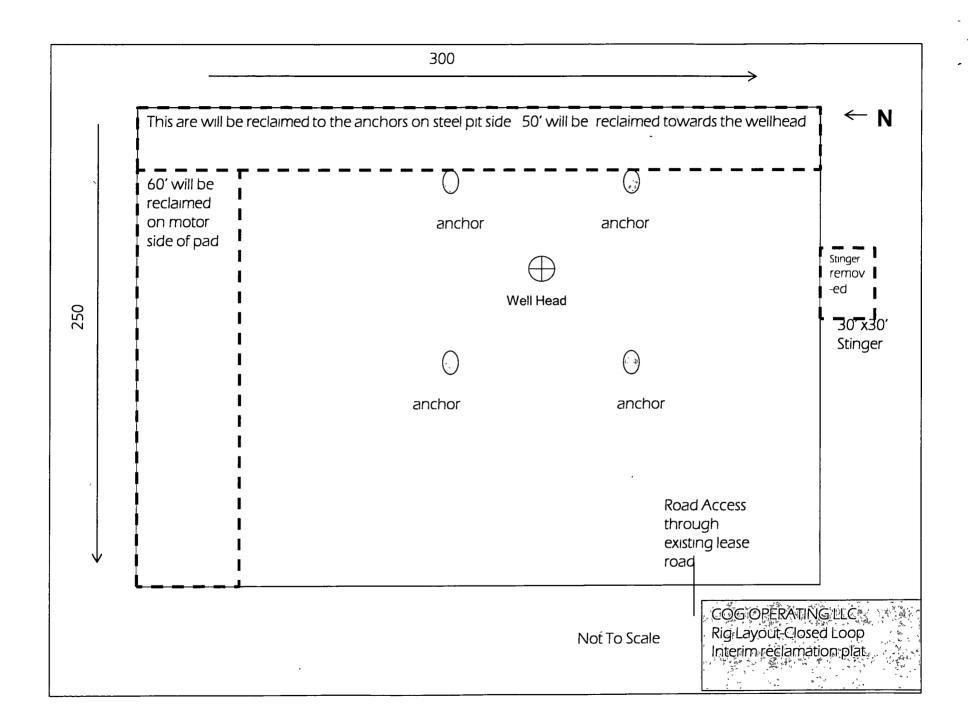
- 1. BEARDS OR CONTACT LENSES NOT ALLOWED
- 2. HARD HATS REQUIRED
- 3. SMOKING IN DESIGNATED AREAS ONLY
- 4. BE WIND CONSCIOUS AT ALL TIMES
- 5. CHECK WITH COG OPERATING FOREMAN AT

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





PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:
LEASE NO.:
LEASE NO.:
WELL NAME & NO.:
SURFACE HOLE FOOTAGE:
BOTTOM HOLE FOOTAGE
LOCATION:
COUNTY:
CO

TABLE OF CONTENTS

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 |
|---|
| Permit Expiration |
| Archaeology, Paleontology, and Historical Sites |
| Noxious Weeds |
| Special Requirements |
| Lesser Prairie-Chicken Timing Stipulations |
| Ground-level Abandoned Well Marker |
| ⊠ Construction |
| 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 |
| Interim Reclamation |
| Final Abandanment & Declaration |