

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Operator Copy

FORM 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. NMLC028784A
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
3a. Address ONE CONCHO CENTER 600 W. ILLINOIS AVENUE MIDLAND, TX 79701		7. If Unit or CA/Agreement, Name and/or No. NMNM88525X
3b. Phone No. (include area code) Ph: 432-685-4385		8. Well Name and No. BURCH KEELY UNIT 626
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T17S R30E 2366FNL 330FWL		9. API Well No. 30-015-40276
		10. Field and Pool, or Exploratory BURCH KEELY;G-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"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change to Original A PD
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Plug Back

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 recomplete 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 recompletion 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 to:  
SHL: 1943' FNL & 461' FEL Sec 24, T17S, R29E  
BHL: 2500' FNL & 300' FEL Sec 24, T17S, R29E

Location change is due to Archeology.

A revised C-102, Flowline, Road Map, Directional Plan, Rig Layouts & SUPO are attached for your review.

ok

**NM OIL CONSERVATION**

ARTESIA DISTRICT

MAR 21 2016

RECEIVED

Accepted for record  
NMOC

16

*Exp. OK. 12/20/12 CRW*

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #162218 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 12/13/2012 ( )	
Name (Printed/Typed) ROBYN ODOM	Title PERSON RESPONSIBLE
Signature (Electronic Submission)	Date 12/11/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>James Q. Brown</i>	Title <i>SEPS</i>	Date <i>1-8-13</i>
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 <i>APD</i>	

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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**PECOS DISTRICT  
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	COG Operating LLC
LEASE NO.:	NMLC28784A
WELL NAME & NO.:	Burch Keely Unit #626
SURFACE HOLE FOOTAGE:	1943' FNL & 0461' FEL
BOTTOM HOLE FOOTAGE:	2500' FNL & 0300' FEL
LOCATION:	Section 24, T. 17 S., R. 29 E., NMPM
COUNTY:	Eddy County, New Mexico

**The previously approved APD with conditions of approval dated 05/08/2012 apply to this well relocation. Any deviations to the previously approved APD are as follows:**

- Special Requirements**
  - Topsoil Stockpile
  - Reserve Pit Requirement

## **I. SPECIAL REQUIREMENT(S)**

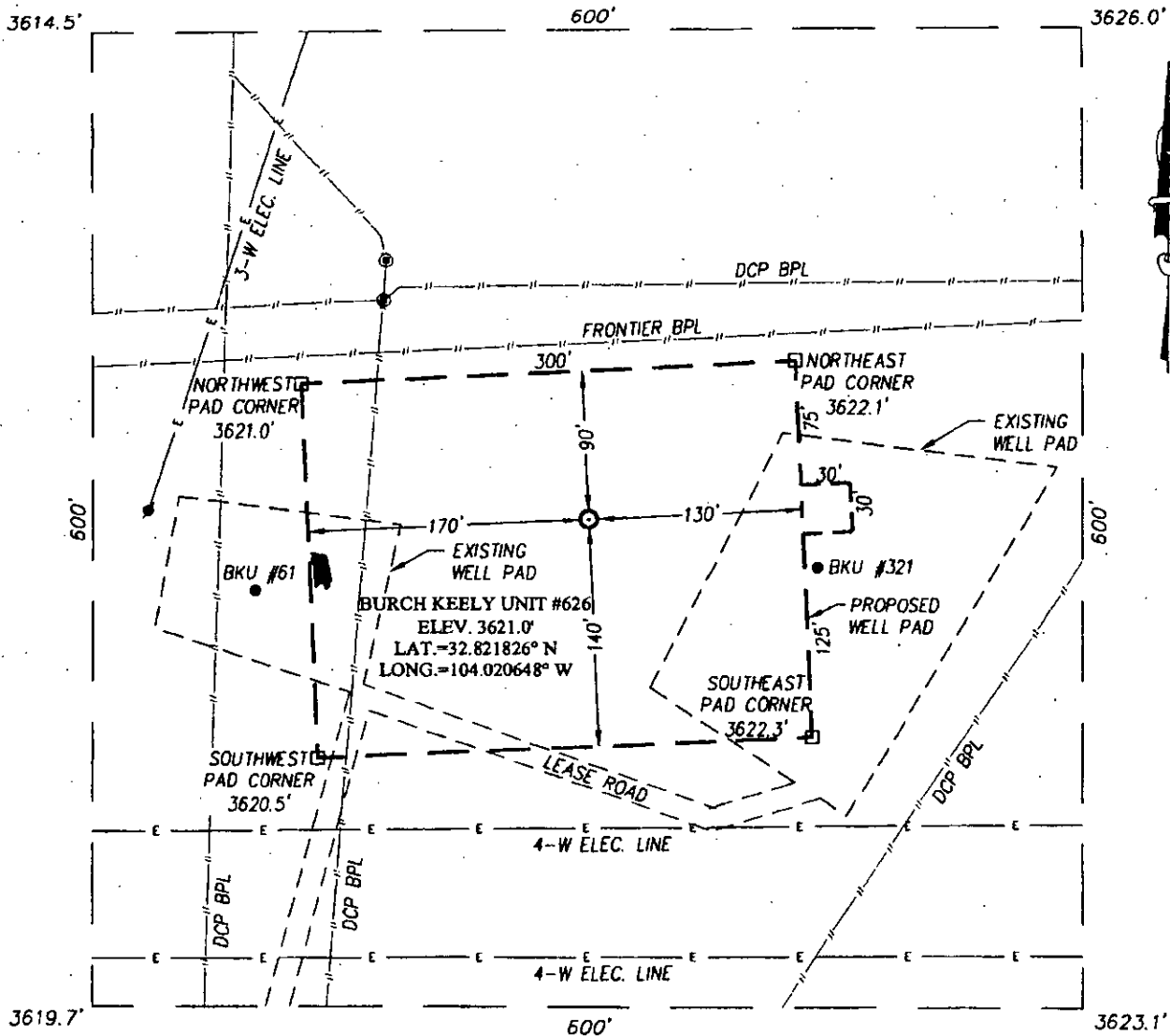
### **Topsoil Stockpile**

The topsoil to be stripped is approximately 2 to 4 inches in depth. The topsoil will be used for interim and final reclamation. Do not strip and store any contaminated soils or caliche.

### **Reserve Pit Requirement**

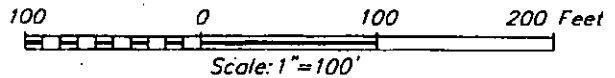
The operator must abide by all state requirements when operating upon a reserve pit.

**SECTION 24, TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.**  
**EDDY COUNTY NEW MEXICO**



**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #216 (GENERAL AMERICAN) GO WEST ON U.S. HWY. #82 APPROX. 0.1 MILES. TURN RIGHT AND GO NORTH APPROX. 0.1 MILE TO THE BURCH KEELY UNIT #61. THE LOCATION STAKE IS 205 FEET EAST OF THE EXISTING COG PUMPING UNIT.



**COG OPERATING, LLC**

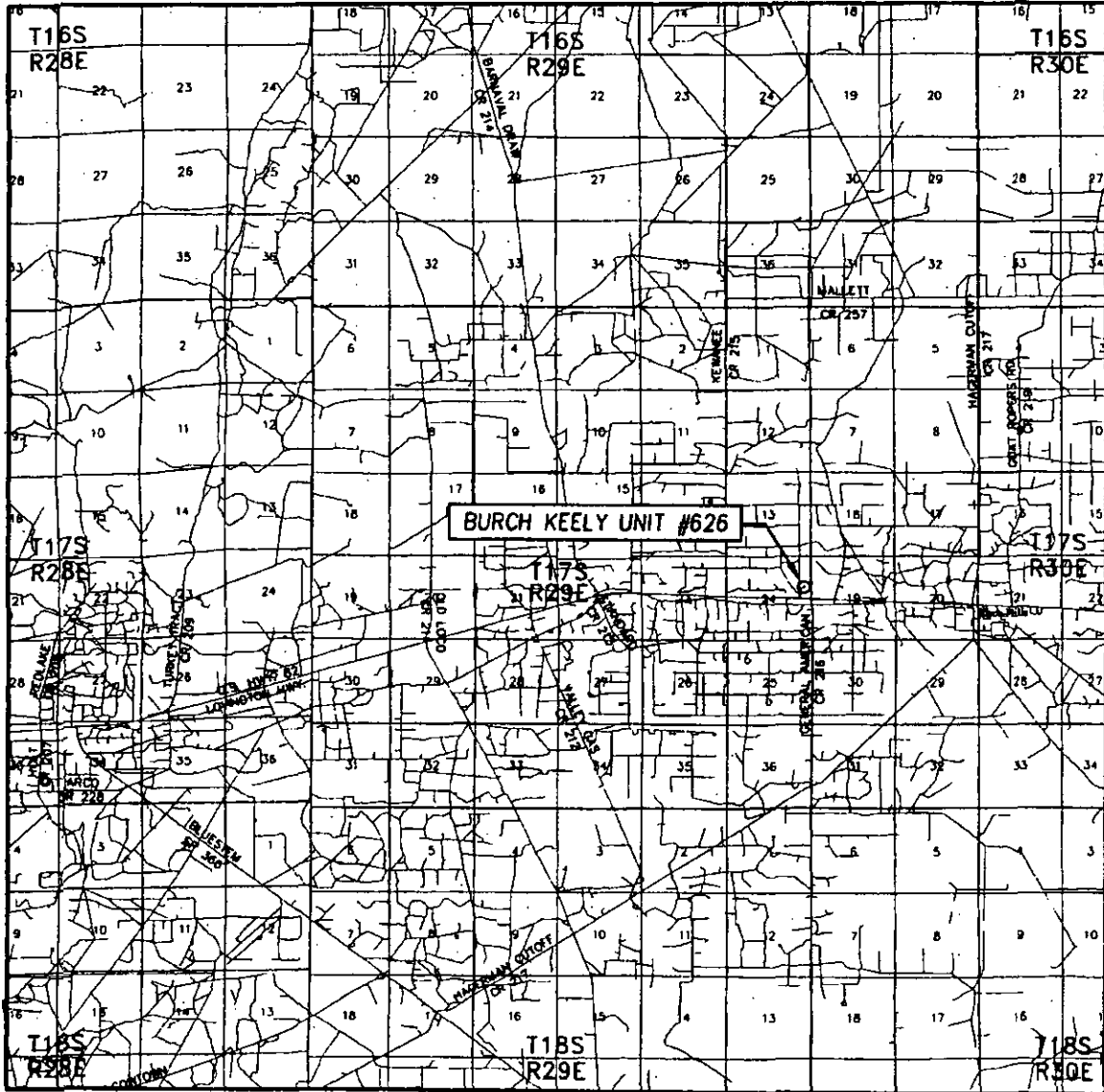
**BURCH KEELY UNIT #626 WELL**  
**LOCATED 1943 FEET FROM THE NORTH LINE**  
**AND 461 FEET FROM THE EAST LINE OF SECTION 24,**  
**TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,**  
**EDDY COUNTY, NEW MEXICO**

Survey Date: 6/27/12	CAD Date: 7/5/12	Drawn By: AF
W.O. No.: 12110538	Rev.:	Rel. W.O.:

Sheet 1 of 1


PROVIDING SURVEYING SERVICES  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO  
 HOBBS, N.M. 88240  
 (575) 393-3117 www.jwsc.biz

# VICINITY MAP



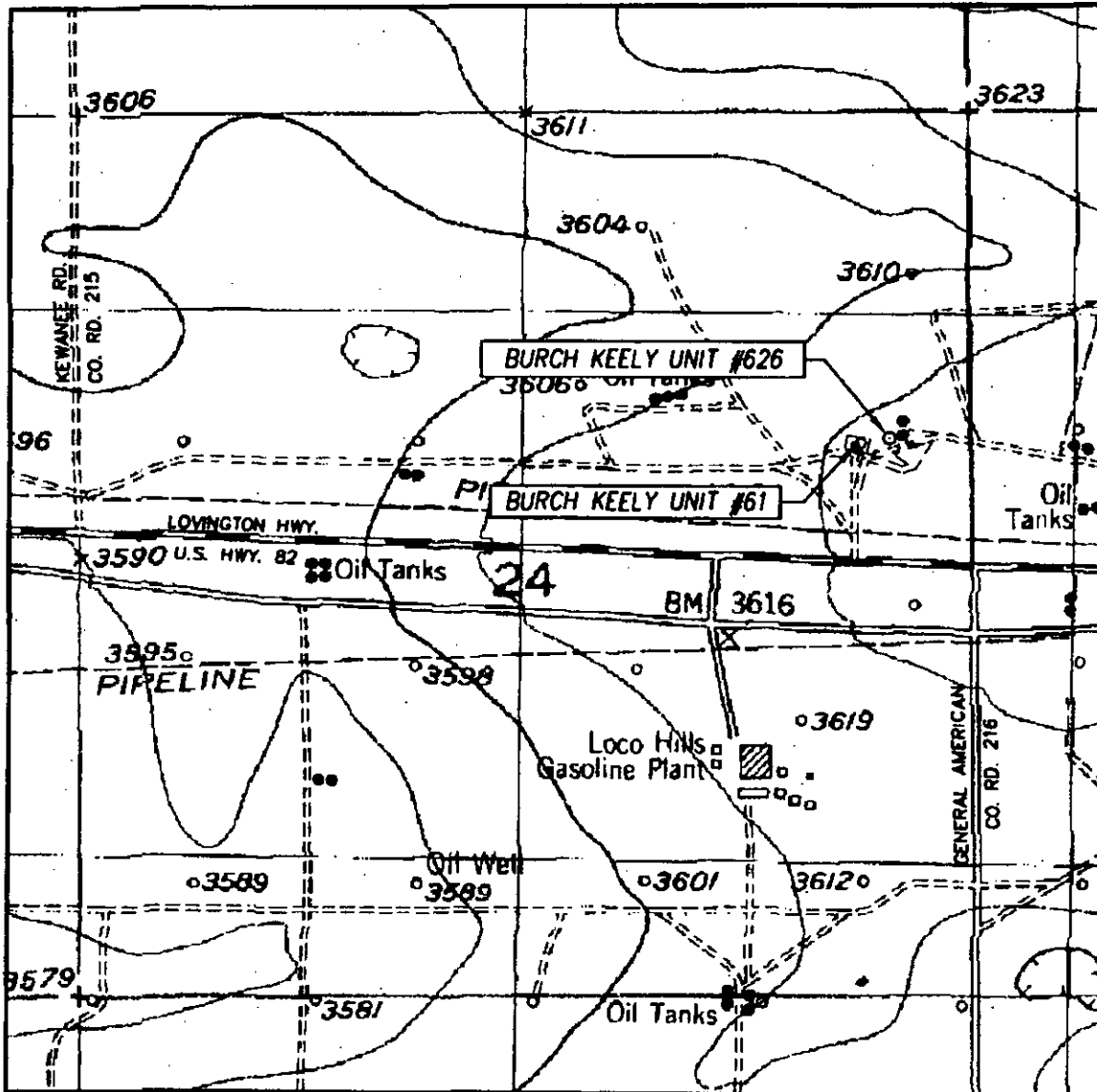
SCALE: 1" = 2 MILES

SEC. 24 TWP. 17-S RGE. 29-E  
 SURVEY N.M.P.M.  
 COUNTY EDDY STATE NEW MEXICO  
 DESCRIPTION 1943' FNL & 461' FEL  
 ELEVATION 3621'  
 OPERATOR COG OPERATING, LLC  
 LEASE BURCH KEELY UNIT



PROVIDING SURVEYING SERVICES  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO  
 HOBBS, N.M. 88240  
 (575) 393-3117 www.jwsc.biz

# LOCATION VERIFICATION MAP



SCALE: 1" = 1000'

CONTOUR INTERVAL:  
RED LAKE SE, N.M. - 10'

SEC. 24 TWP. 17-S RGE. 29-E

SURVEY \_\_\_\_\_ N.M.P.M.

COUNTY EDDY STATE NEW MEXICO


DESCRIPTION 1943' FNL & 461' FEL

ELEVATION 3621'

OPERATOR COG OPERATING, LLC

LEASE BURCH KEELY UNIT

U.S.G.S. TOPOGRAPHIC MAP  
RED LAKE SE, N.M.



PROVIDING SURVEYING SERVICES  
SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBES, N.M. 88240  
(575) 393-3117 [www.jwsc.biz](http://www.jwsc.biz)



# Scientific Drilling



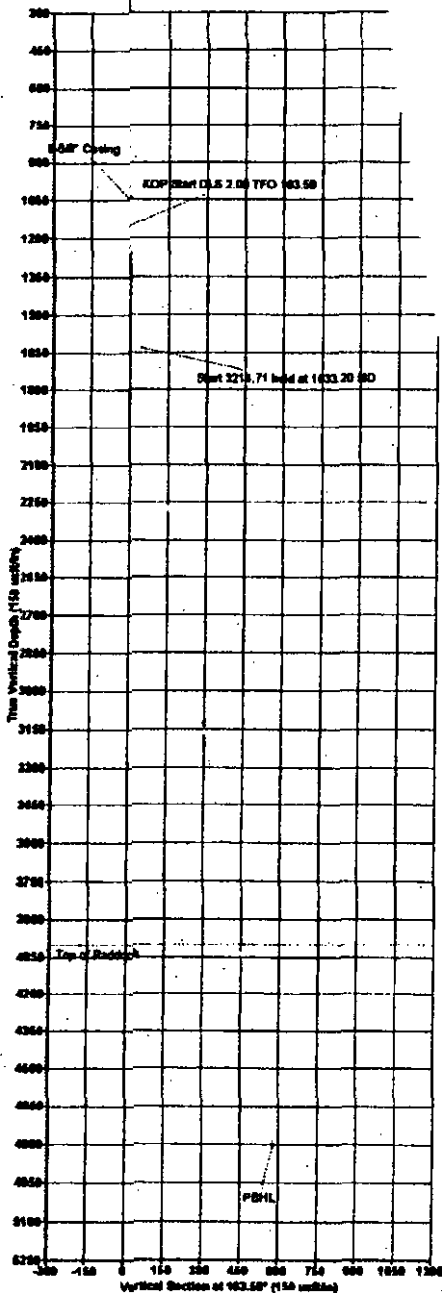
Adjustable to Grid North  
True North: 8.37°  
Magnetic North: 7.82°  
Magnetic Field Strength: 46750 amT  
Dip Angle: 58.55°  
Date: 06/10/2010  
Model: 10M72010

**Burch Keely Unit #626**  
Eddy County, NM (NAN27 NME)  
Northing: 662833.40  
Easting: 596856.40  
Plan #2 8-3/4" Hole

To convert Magnetic North to Grid, Add 7.51°  
To convert True North to Grid, Subtract 0.17°



Ground Level: 3827.00



**WELL DETAILS:**

		Ground Level: 3827.00		Latitude	Longitude
+N-S	+E-W	Northing	Easting	32° 48' 18.573 N	104° 1' 14.334 W
0.00	0.00	662833.40	596856.40		

**SECTION DETAILS:**

MD	Inc	Adj	TVD	+N-S	+E-W	Dirg	TFace	VFace	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1190.00	0.00	0.00	1190.00	0.00	0.00	0.00	0.00	0.00	
1833.20	8.86	163.58	1833.01	-30.00	11.40	2.80	163.58	40.86	
4847.91	9.88	163.58	4800.00	-558.84	164.01	0.00	0.00	580.38	PBHL

**DESIGN TARGET DETAILS:**

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL	4800.00	-558.84	164.01	662278.80	596270.40

**SITE DETAILS:** Burch Keely Unit  
Site Centre Northing: 661480.10  
Easting: 596948.00  
Positional Uncertainty: 0.00  
Convergence: 0.16  
Local North: Grid

**PROJECT DETAILS:** Eddy County, NM (NAN27 NME)  
Coordinate System: US State Plane 1627 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: New Mexico East 3001  
System Datum: Mean Sea Level

**CASINO DETAILS:**

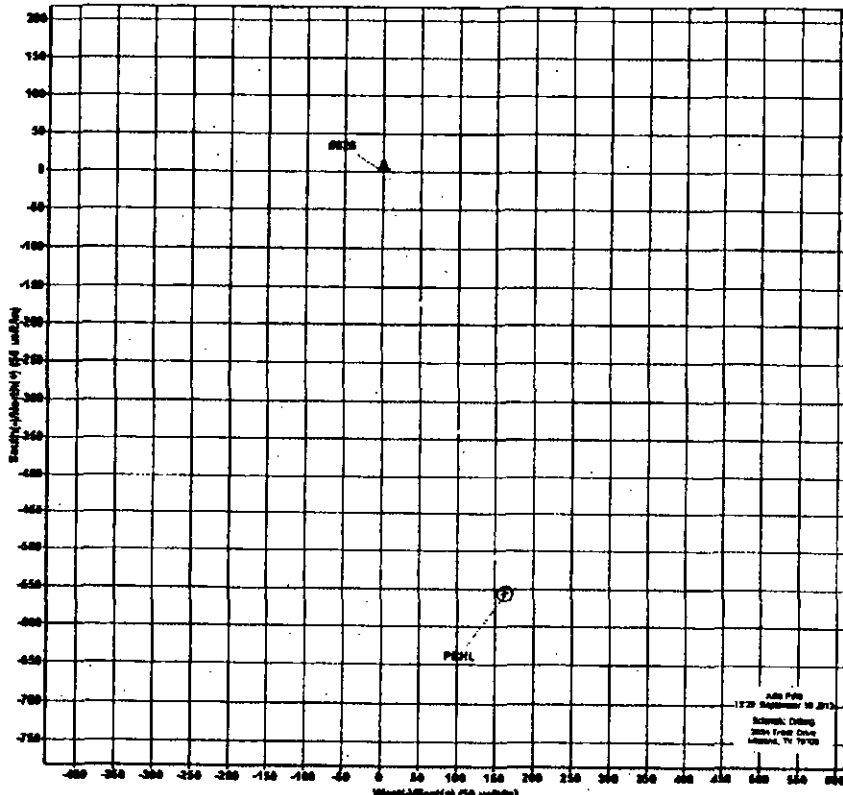
TVD	MD	Name	Size
1050.00	1050.00-50'	Casing	8-5/8"

Map System: US State Plane 1627 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone Name: New Mexico East 3001  
Local Origin: Well #626, Galy 1626  
Latitude: 32° 48' 18.573 N  
Longitude: 104° 1' 14.334 W

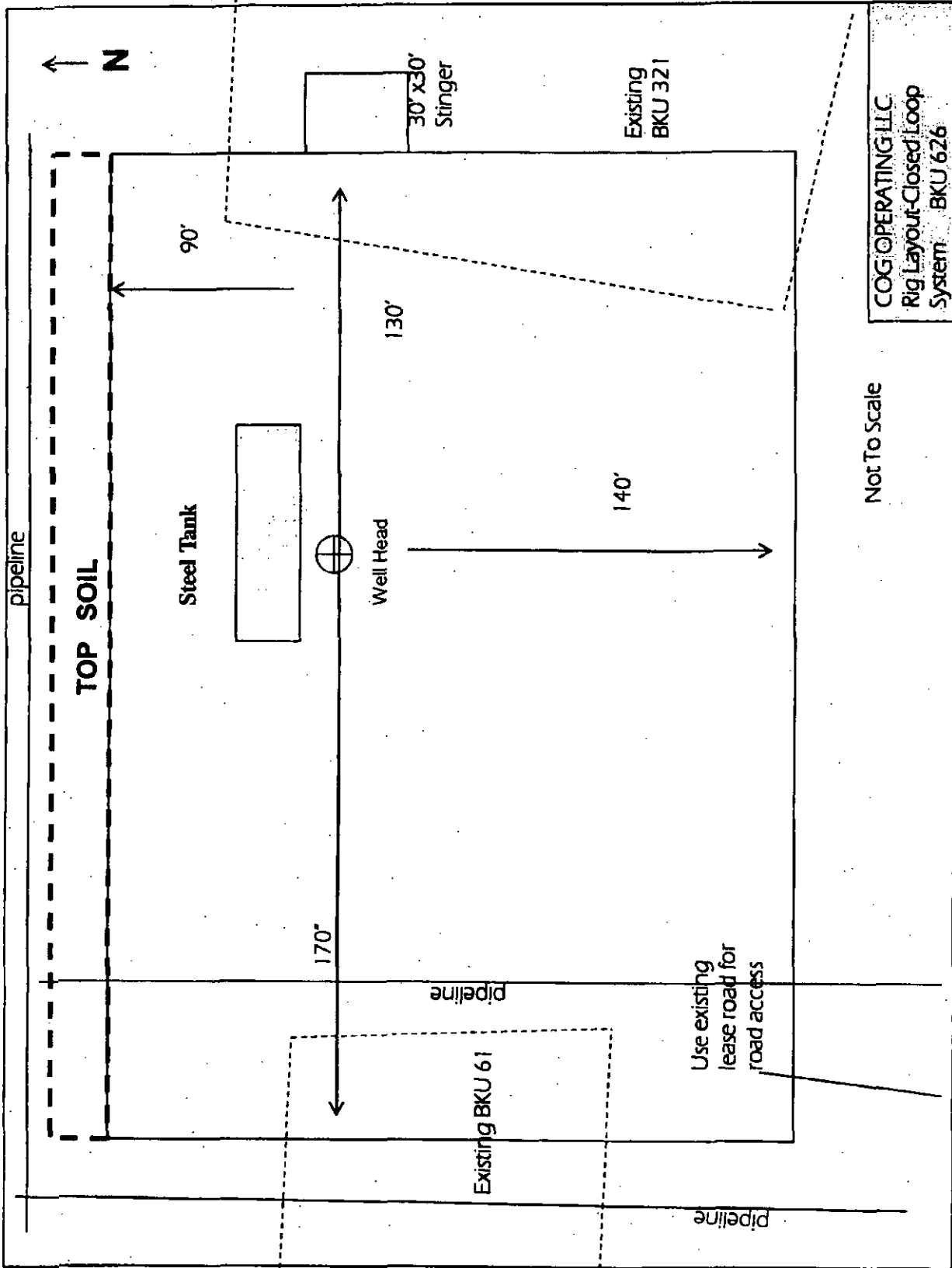
**FORMATION TOP DETAILS:**

TVD/Path	MD/Path	Formation
4800.00	4236.38'	Top of Padrock

Grid East: 596856.40  
Grid North: 662833.40  
Scale Factor: 1.000  
Geographic Model: 10M72010  
Datum Date: 10-Sep-12  
Magnetic Declination: 7.82°  
Dip Angle from Horizontal: 58.55°  
Magnetic Field Strength: 46750  
To convert Magnetic North to Grid, Add 7.51°  
To convert True North to Grid, Subtract 0.17°



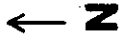
Job File  
1729 September 10, 2010  
Scientific Drilling  
2010 Eddy County  
New Mexico, TX 7808



COG OPERATING LLC  
Rig Layout-Closed Loop  
System BKU 626

Not To Scale





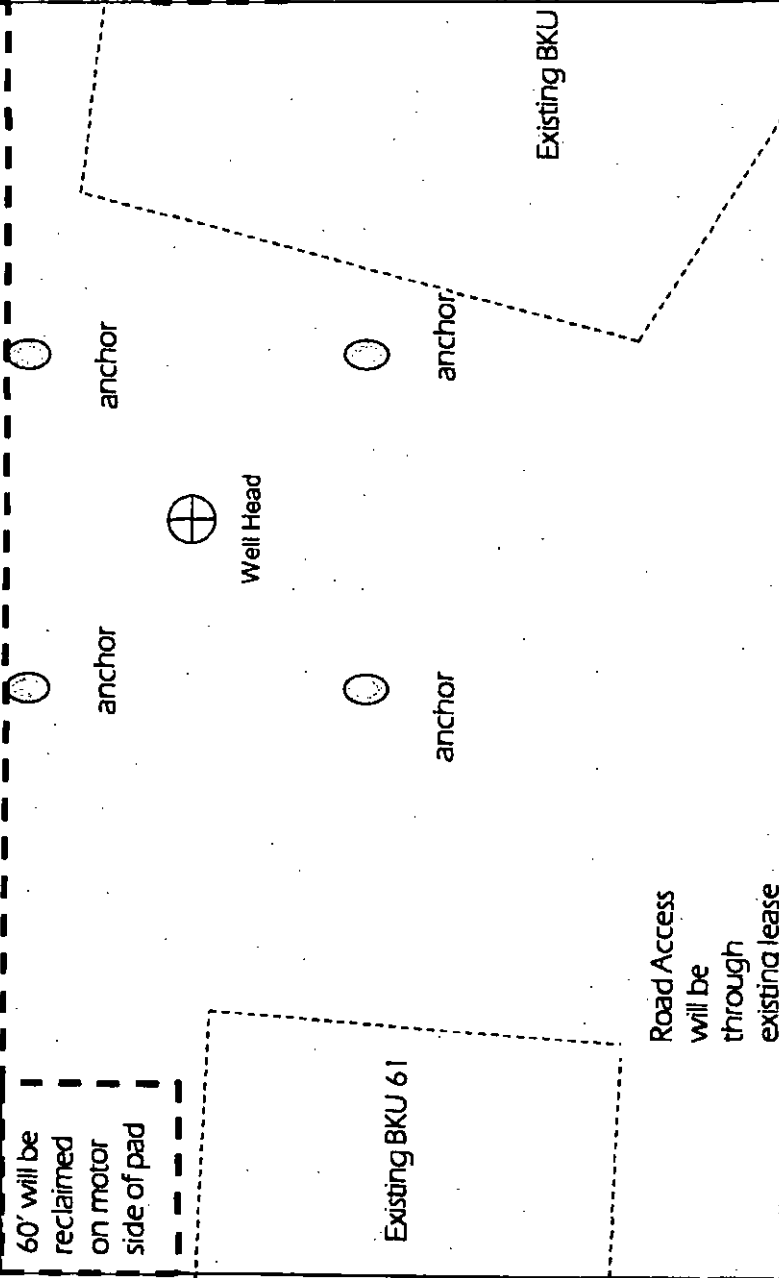
300

This area will be reclaimed to the anchors on steel pit side. 50' will be reclaimed towards the wellhead

60' will be reclaimed on motor side of pad

230

Stinger removed  
30'x30' Stinger



COG OPERATING LLC  
Rig Layout-Closed Loop  
Interim reclamation plat

Not To Scale

*Surface Use Plan  
COG Operating, LLC  
Burch Keely Unit #626  
SL: 1943' FNL & 461' FEL      ULH  
Section 24, T-17-S, R-29-E  
BHL: 2500' FNL & 300' FEL      ULH  
Section 24, T-17-S, R29-E  
Eddy County, New Mexico*

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# Surface Use & Operating Plan

## Burch Keely Unit #626

- Surface Tenant: Bogle Farms, Lewis Derrick, P O Box 441, Artesia, NM 88211.
- New Road: approx. 0'
- Flow Line: approx. 0.5 miles
- Facilities: BKU Satellite B

### Well Site Information

V Door: West  
Topsoil: East  
Interim Reclamation: North/West

### Notes

-90' to pit side

Onsite: 8/2/2011

John Fast (BLM), Caden Jameson (COG), Gary Box (J.W.S)

*Surface Use Plan*  
*COG Operating, LLC*  
*Burch Keely Unit #626*  
*SL: 1943' FNL & 461' FEL      UL H*  
*Section 24, T-17-S, R-29-E*  
*BHL: 2500' FNL & 300' FEL      UL H*  
*Section 24, T-17-S, R29-E*  
*Eddy County, New Mexico*

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## **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 John West Engineering, Hobbs, NM.
- 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 Exhibit #2. The road highlighted in Exhibit #2 will be used to access the well.
- C. Directions to location: See exhibit #2.
- 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.

*Surface Use Plan*  
*COG Operating, LLC*  
*Burch Keely Unit #626*  
*SL: 1943' FNL & 461' FEL      UL H*  
*Section 24, T-17-S, R-29-E*  
*BHL: 2500' FNL & 300' FEL      UL H*  
*Section 24, T-17-S, R29-E*  
*Eddy County, New Mexico*

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### **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 BKU Satellite B located in Section 19 T17-S R30-E at approx. 2100' FNL & 1915' FWL. 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 Satellite B located in Section 19 T17-S R30-E at approx. 2100' FNL & 1915' FWL. The flowline will be SDR 7 3" poly line laid on the surface and will be approximately 0.5 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  
Burch Keely Unit #626  
SL: 1943' FNL & 461' FEL      UL H  
Section 24, T-17-S, R-29-E  
BHL: 2500' FNL & 300' FEL      UL H  
Section 24, T-17-S, R29-E  
Eddy County, New Mexico*

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**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*  
*Burch Keely Unit #626*  
*SL: 1943' FNL & 461' FEL      UL H*  
*Section 24, T-17-S, R-29-E*  
*BHL: 2500' FNL & 300' FEL      UL H*  
*Section 24, T-17-S, R29-E*  
*Eddy County, New Mexico*

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**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 John West Engineering, is shown in the Elevation Plat. Dimensions of the pad and pits are shown on the Rig Layout. V door direction is East. 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.

**Surface Use Plan**  
**COG Operating, LLC**  
**Burch Keely Unit #626**  
**SL: 1943' FNL & 461' FEL      UL H**  
**Section 24, T-17-S, R-29-E**  
**BHL: 2500' FNL & 300' FEL      UL H**  
**Section 24, T-17-S, R29-E**  
**Eddy County, New Mexico**

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**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

*Surface Use Plan*  
**COG Operating, LLC**  
**Burch Keely Unit #626**  
**SL: 1943' FNL & 461' FEL      UL H**  
**Section 24, T-17-S, R-29-E**  
**BHL: 2500' FNL & 300' FEL      UL H**  
**Section 24, T-17-S, R29-E**  
**Eddy County, New Mexico**

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**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:

Jim Evans	Ray Peterson
Drilling Superintendent	Drilling 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) 685-4304 (office)	Phone (432) 685-4304 (office)
(432) 221-0346 (business)	(432) 818-2254 (business)



*Surface Use Plan  
COG Operating, LLC  
Burch Keely Unit #626  
SL: 1943' FNL & 461' FEL      UL H  
Section 24, T-17-S, R-29-E  
BHL: 2500' FNL & 300' FEL      UL H  
Section 24, T-17-S, R29-E  
Eddy County, New Mexico*

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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 13th day of July, 2012.

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

*Carl Bird*

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@concho.com](mailto:cbird@concho.com)