

COG Operating LLC

30-015-38574

Hydrogen Sulfide Drilling Operation Plan

I. HYDROGEN SULFIDE TRAINING

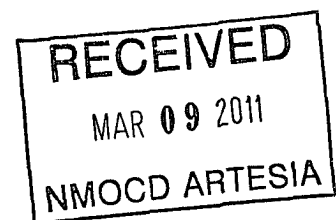
All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and 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 will 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.

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

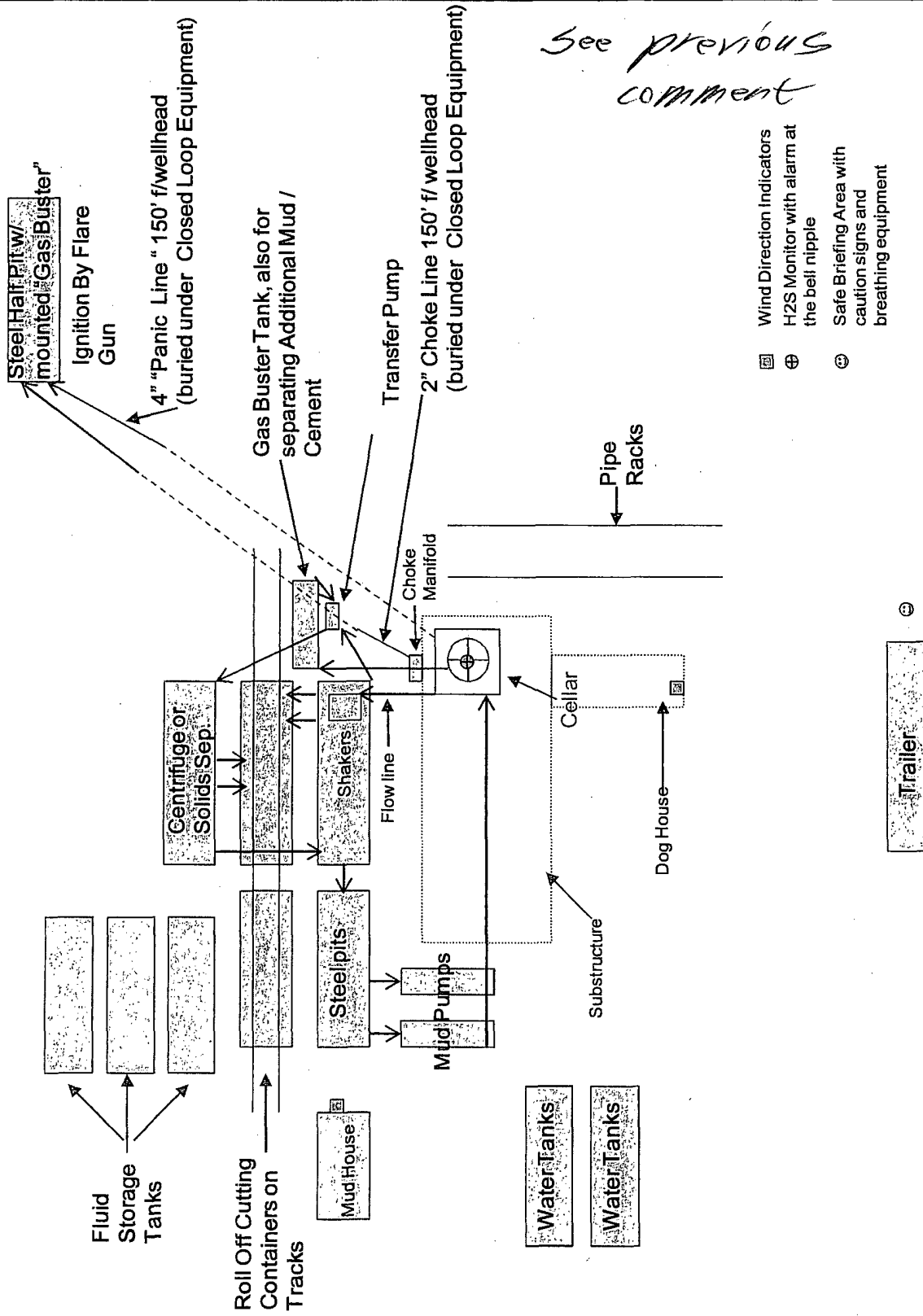
LEA COUNTY EMERGENCY NUMBERS

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

COG Operating LLC

EXHIBIT 8

Drilling Location - H2S Safety Equipment Diagram



See previous comment

SURFACE USE AND OPERATING PLAN

1. Existing & Proposed Access Roads

- A. The well site survey and elevation plat for the proposed well is shown in Exhibit #1. It was staked by John West Engineering, Hobbs, NM.
- B. All roads to the location are shown in the topographic map Exhibit #2. 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.
- C. Directions to Location: From the intersection of U.S. Hwy #82 and County Rd. #216 (General American Rd.), go South on Co Rd. #216 approx 1.0 mile. Turn Right and go West approx 1.1 miles. Turn left at proposed road survey and follow survey stakes South approx. 14 feet. This location stake is approx 212 feet Southeast. See Vicinity Map, Exhibit #3
- 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.

2. Proposed Access Road:

Exhibit #4 shows that 14' 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 nearest BLM approved caliche pit or reserve pit area.

3. Location of Existing Well:

Exhibit #5 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 Burch Keely Satellite F located at the BKU#289 well pad in Section 25. The facility location is shown in Exhibit #5.
 - 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 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 Burch Keely Satellite F located at the BKU#289 well pad in Section 25. The flowline will be SDR 7 3" poly line laid on the surface and will be approximately 2245' in length.
 - 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:
 - a) The original topsoil from the well site will be returned to the location, and the site will be re-contoured as close as possible to the original site.

5. Location and Type of Water Supply:

The well will be drilled with combination brine and fresh water mud system as outlined in the drilling program. The water will be obtained from commercial water stations in the area and hauled to location by transport truck over the existing and proposed access roads shown in Exhibit #2. 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:

All caliche required for construction of the drill pad and proposed new access road (approximately 2500 cubic yards) will be obtained from a BLM approved caliche pit or the reserve pit.

7. Methods of Handling Water Disposal:

- A. The well will be drilled utilizing a closed loop mud system. Drill cuttings will be held in roll-off style mud boxes and taken to an NMOCD approved disposal site.
- B. Drilling fluids will be contained in steel mud pits.
- C. Water produced from the well during completion will be held temporarily in steel tanks and then taken to an NMOCD approved commercial disposal facility.
- D. Garbage and trash produced during drilling or completion operations will be collected in a trash bin and hauled to an approved landfill. No toxic waste or hazardous chemicals will be produced by this operation.
- E. 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 Exhibit #4. Dimensions of the pad and pits are shown on Exhibit #6. V door direction is West. Topsoil, if available, will be stockpiled per BLM specifications. Because the pad is almost level no major cuts will be required.
- B. Exhibit #6 also shows the proposed orientation of closed loop system and access road. No permanent living facilities are planned, but a temporary foreman/toolpusher's trailer will be on location during the drilling operations.

10. Plans for Restoration of the Surface:

- A. The location and road will be rehabilitated as recommended by the BLM.
- B. Upon completion of proposed operations, if the well is completed, the reserve pit area will be closed as outlined in Section 4.6 above within the same prescribed time. Any additional caliche required for facilities will be obtained from a BLM approved caliche pit. Topsoil removed from the drill site will be used to re-contour the pit area to its original natural level and re-seeded as per BLM specifications.

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 for this site is Bogel Farms, Lewis Derrick, P O Box 441, Artesia, NM 88211.
- C. The proposed road routes and surface location will be restored as directed by the BLM.

12. Other Information:

- A. The area around the well site is grassland and the topsoil is sandy. The vegetation is moderately sparse with native prairie grasses, some mesquite and shinnery oak. No wildlife was observed but it is likely that mule deer, rabbits, coyotes and rodents traverse the area.
- B. There is no permanent or live water in the immediate area.
- C. There are no dwellings within 2 miles of this location.
- D. If needed, a Cultural Resources Examination is being prepared by 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,
Drilling Superintendent
COG Operating LLC
550 W. Texas, Suite 1300
Midland, TX 79701
Phone (432) 683-7443 (office)
(432) 631-9762 (cell)

Erick Nelson.
Division Operations Manager
COG Operating LLC
550 W. Texas, Suite 1300
Midland, TX 79701
Phone (505) 746-2210 (office)
(432) 238-7591 (cell)

*Surface Use Plan
COG Operating, LLC
Burch Keely Unit #666
SHL: 2243 FNL & 650' FEL
BHL: 1980' FNL & 800' FEL
Section 26, T-17-S, R-29-E, UL H
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 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 14th day of October, 2010.

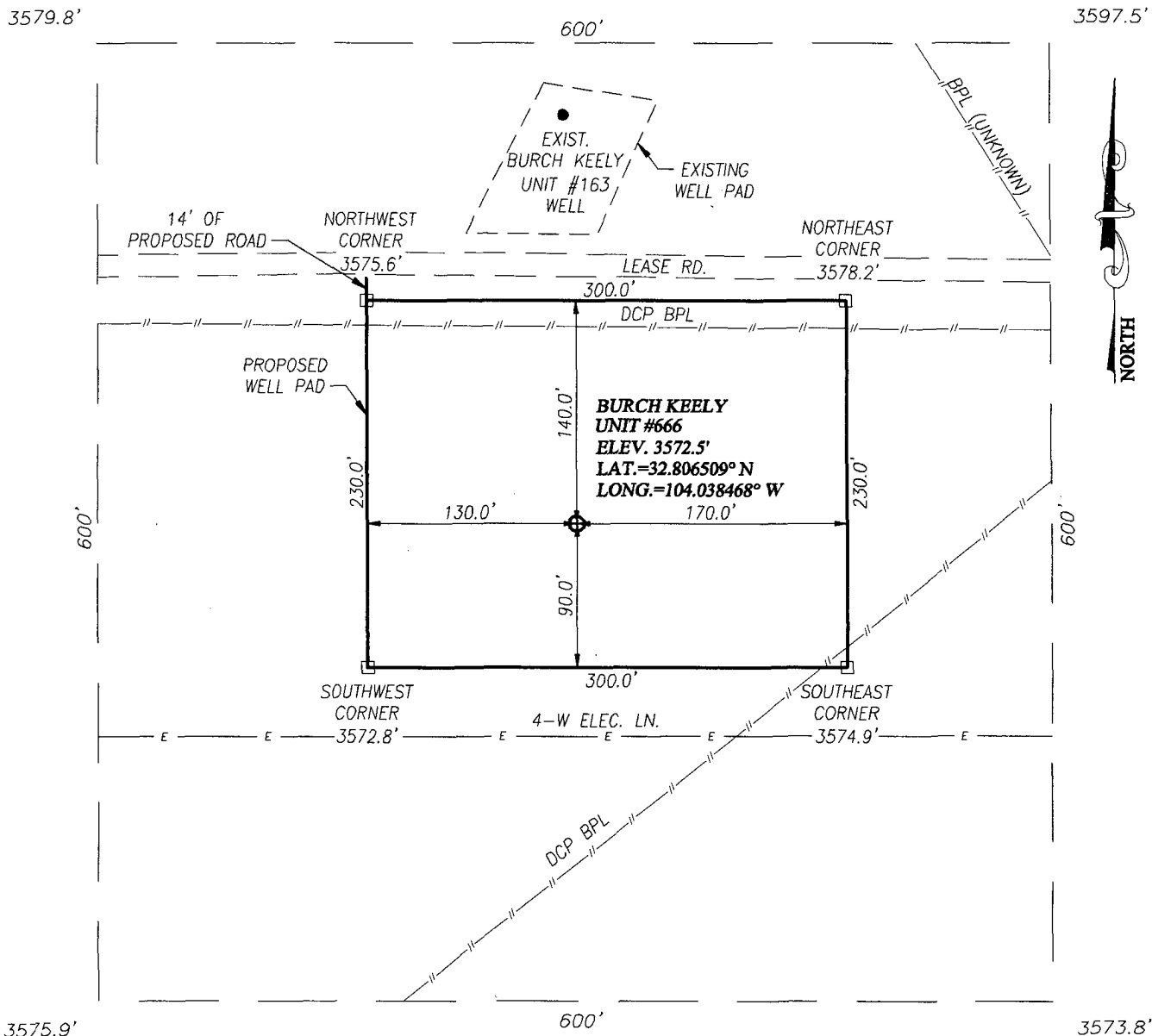
Signed: _____



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

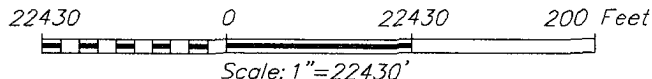
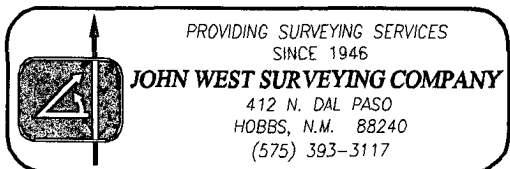
SECTION 26, TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.

EDDY COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #216 (GENERAL AMERICAN RD.), GO SOUTH ON CO. RD. #216 APPROX. 1.0 MILE. TURN RIGHT AND GO WEST APPROX. 1.1 MILES. TURN LEFT AT PROPOSED ROAD SURVEY AND FOLLOW SURVEY STAKES SOUTH APPROX. 14 FEET. THIS LOCATION STAKE IS APPROX. 212 FEET SOUTHEAST.



COG OPERATING, LLC

BURCH KEELY UNIT #666 WELL
LOCATED 2243 FEET FROM THE NORTH LINE
AND 650 FEET FROM THE EAST LINE OF SECTION 26,
TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

Survey Date: 12/9/10	Sheet 1 of 1 Sheets
W.O. Number: 10.11.1803	Dr By: DSS
Date: 12/21/10	Rel. W.O. 10111503
10111803	Scale: 1"=100'

NEW MEXICO

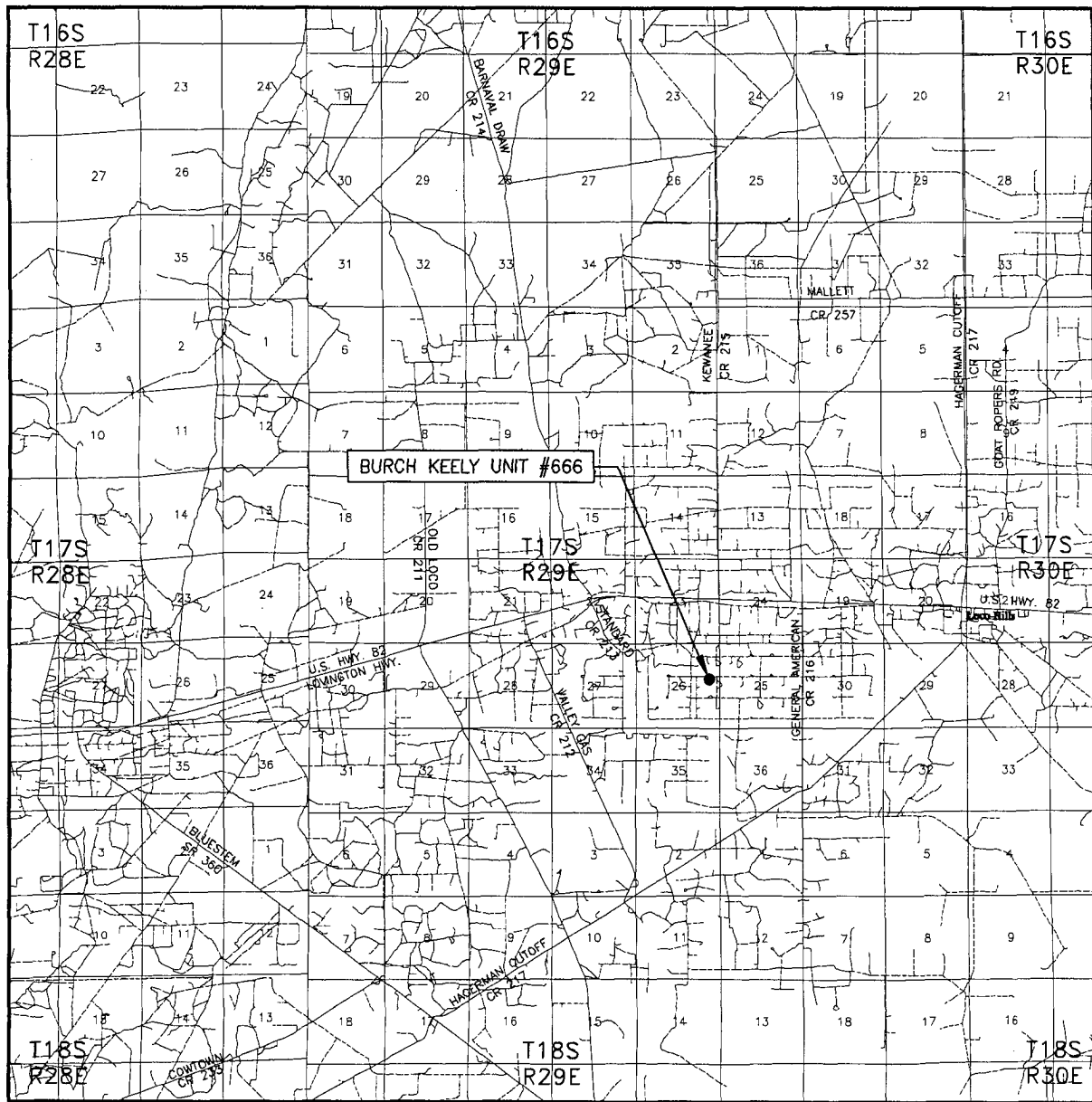


CENTERLINE SURVEY OF A STRIP OF LAND 50.0 WIDE AND 13.6 FEET OR 0.003 MILES IN LENGTH CROSSING USA LAND IN SECTION 26, TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO, AND BEING 25.0 FEET LEFT AND 25.0 FEET RIGHT OF THE ABOVE CENTERLINE.

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

Survey Date: 11/3/10	Sheet 1 of 1 Sheets
W.O. Number: 10.11.1503	Drawn By: DSS
Date: 11/8/10 Rev: .	CAD: 10111503_rd Rel. W.O.: .

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 26 TWP. 17-S RGE. 29-E

SURVEY N.M.P.M.

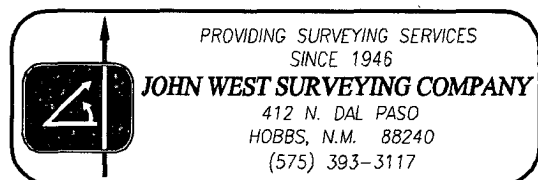
COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 2243' FNL & 650' FEL

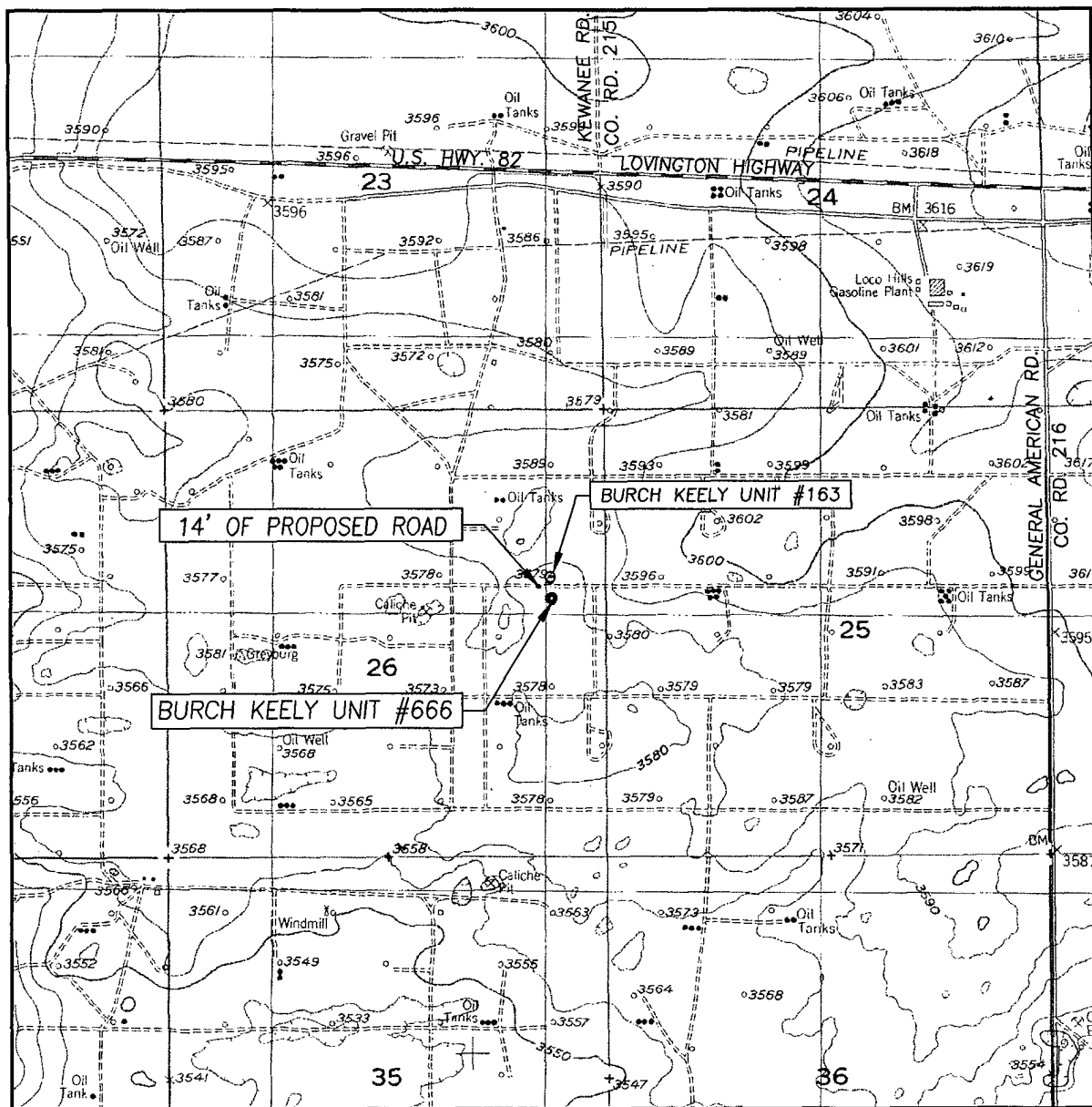
ELEVATION 3572'

OPERATOR COG OPERATING, LLC

LEASE BURCH KEELY UNIT



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 26 TWP. 17-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

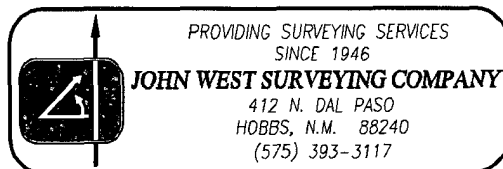
DESCRIPTION 2243' FNL & 650' FEL

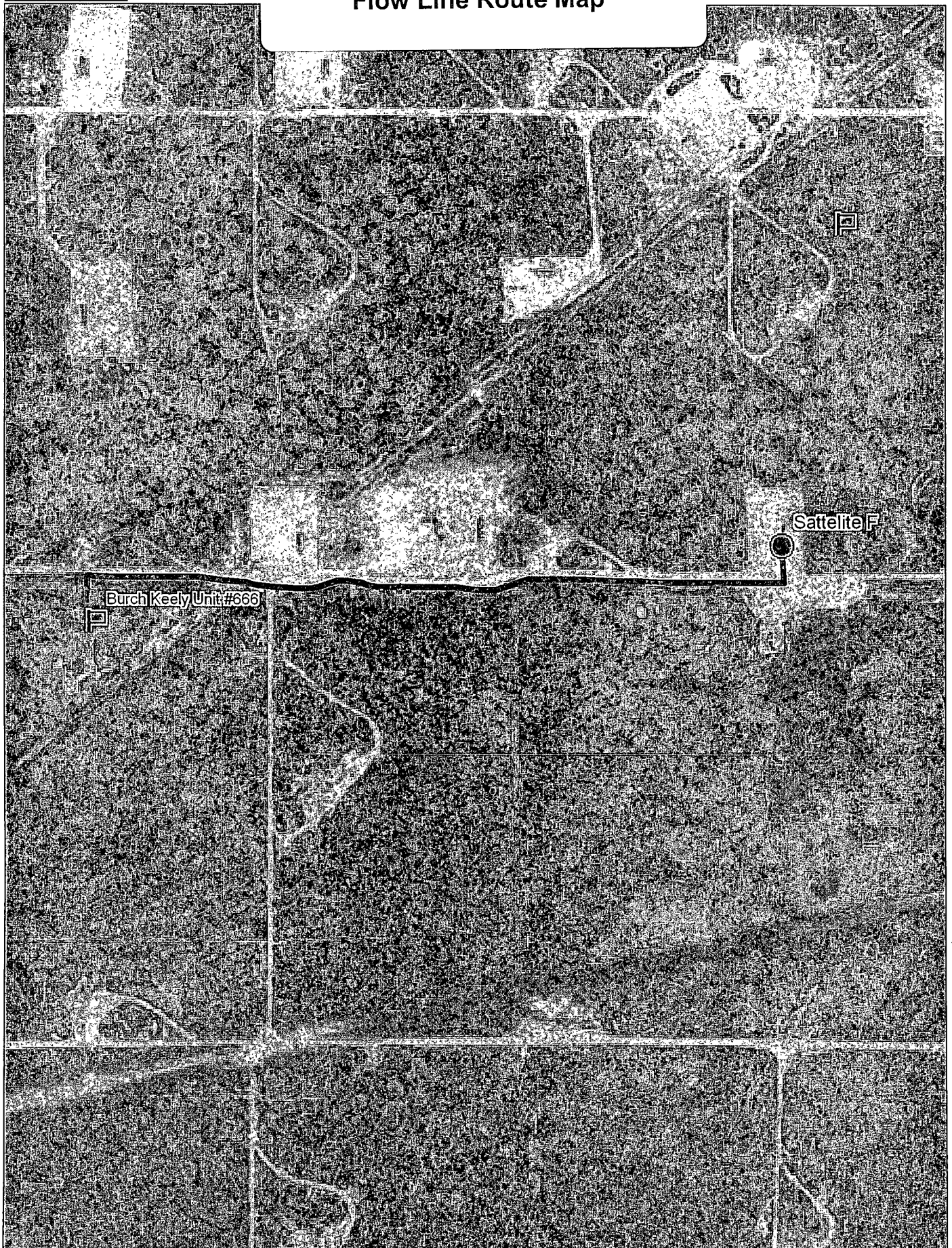
ELEVATION 3572'

OPERATOR COG OPERATING, INC.

LEASE BURCH KEELY UNIT

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

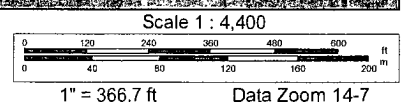




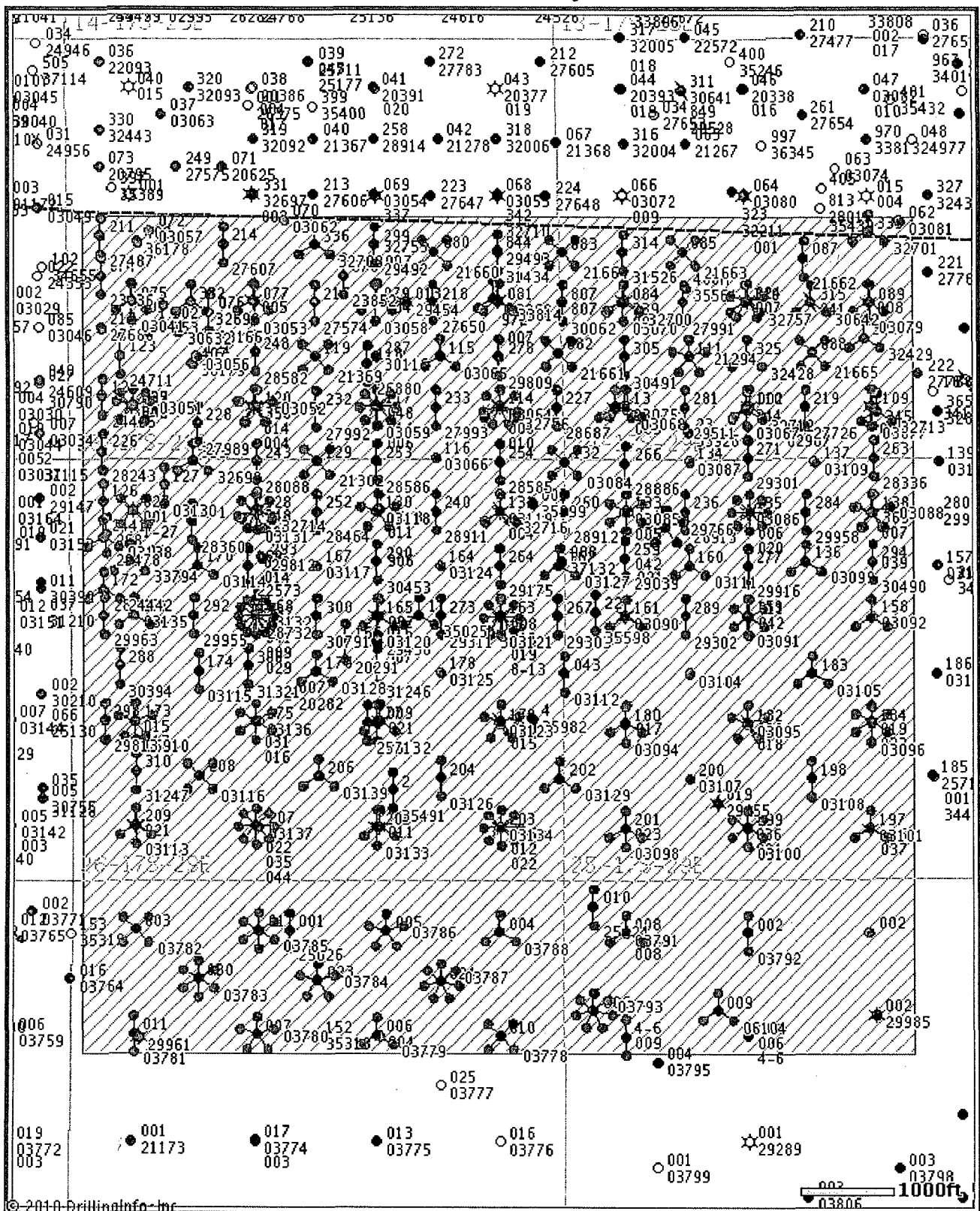
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www.delorme.com



Offset wells to Burch Keely Unit #666



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Offset wells to Burch Keely Unit #666

API#	Operator	County	Legal	Lease	Well#	Date Issued	Permitted Depth	Permit TVD	Images	Doc	Total Depth	Well Type	Well Status	Permit#
30-015-37130	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	906	6/15/2009	4,800		Yes	link	4,800	PO	Active Permit	TEMP490492453
30-015-37132	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	908	6/15/2009	4,800		Yes	link	4,800	PO	Active Permit	TEMP928784043
30-015-37133	MARBOB ENERGY CORP	EDDY	S:25, T:17S, R:29E	BURCH KEELY UNIT	921	6/15/2009	4,800		Yes	link	4,800	PO	Active Permit	TEMP449606476
30-015-36179	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	995	2/22/2008	4,800		Yes	link	4,616	O	Active Permit	TEMP950216352
30-015-36178	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	996	2/22/2008	4,800		Yes	link	4,607	O	Active Permit	TEMP1351025048
30-015-35999	CIMAREX ENERGY CO. OF COLORADO	EDDY	S:26, T:17S, R:29E	KEELY "26" FEDERAL	003	12/12/2007	9,350		Yes	link	9,350	PO	Active Permit	TEMP1040967585
30-015-35982	CIMAREX ENERGY CO. OF COLORADO	EDDY	S:26, T:17S, R:29E	KEELY "26" FEDERAL	4	12/7/2007	9,350		Yes	link	9,350	PI	Active	TEMP459659881
30-015-35926	CIMAREX ENERGY CO. OF COLORADO	EDDY	S:24, T:17S, R:29E	GRAYBURG DEEP UNIT	23	11/23/2007	9,350		Yes	link	9,350	PO	Active	TEMP739806324
30-015-29766	CONOCOPHILLIPS COMPANY	EDDY	S:25, T:17S, R:29E	GRAYBURG DEEP UNIT	14	10/16/2007	11,400		Yes	link	11,400	O	Flowing	TEMP108226444
30-015-29766	CONOCOPHILLIPS COMPANY	EDDY	S:25, T:17S, R:29E	GRAYBURG DEEP UNIT	14	10/14/2007	11,400		Yes	link	11,400	O	Flowing	TEMP1396001896
30-015-35598	CIMAREX ENERGY CO. OF COLORADO or COG OPERATING LLC	EDDY	S:25, T:17S, R:29E	GRAYBURG DEEP UNIT	22	5/4/2007	9,400		Yes	link	9,280	O	Active Permit	TEMP11904934
30-015-35564	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY	984	4/24/2007	4,800		Yes	link	6,230	O	Active	TEMP795356125
30-015-35491	CIMAREX ENERGY CO. OF COLORADO or COG OPERATING LLC	EDDY	S:26, T:17S, R:29E	KEELY "26" FEDERAL	2	3/20/2007	11,300		Yes	link	11,260	G	Active Permit	TEMP1899260797
30-015-35318	COG OPERATING LLC	EDDY	S:35, T:17S, R:29E	RJ UNIT	152	12/22/2006	3,600		Yes	link	3,600	PO	Active Permit	TEMP1378392525
30-015-35025	CIMAREX ENERGY CO OF COLORADO	EDDY	S:26, T:17S, R:29E	KEELY 26 FEDERAL	001	7/17/2006	11,600		No	link	11,225	G	Active Permit	TMP0000000079902
30-015-33794	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	905	9/13/2004	4,800		No	link	4,650	O	Active	TEMP538407246
30-015-33814	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY	972	9/13/2004	4,800		No	link	4,620	O	Active	TEMP1291209439
30-015-33794	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	905	8/31/2004			No	link	4,650	O	Active	TEMP1728295757

30-015-33814	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	KEELY UNIT	972			No	link	4,620	O	Active	TEMP742723961
30-015-33343	MARBOB ENERGY CORP	EDDY	S:25, T:17S, R:29E	BURCH KEELY UNIT	922	4,800		No	link	4,920	O	Active	TEMP2004715997
30-015-33343	MARBOB ENERGY CORP	EDDY	S:25, T:17S, R:29E	BURCH KEELY UNIT	369			No	link	4,920	O	Active	TEMP1647204711
30-015-32920	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	912	4,800		No	link	4,650	O	Active	TEMP261199143
30-015-32920	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	356			No	link	4,650	O	Active	TEMP152178286
30-015-32708	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	901	4,800		No	link	4,610	O	Active	TEMP768664912
30-015-32714	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	925	4,800		No	link	4,690	O	Active	TEMP697871115
30-015-32711	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	911	4,800		No	link	4,610	O	Active	TEMP494137535
30-015-32716	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	907	4,800		No	link	4,785	O	Active	TEMP1745291309
30-015-32712	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	917	4,800		No	link	4,760	O	Active	TEMP742117238
30-015-32713	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	920	4,800		No	link	4,740	O	Active	TEMP672477687
30-015-32698	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	902	4,800		No	link	4,550	O	Active	TEMP576290462
30-015-32699	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	904	4,800		No	link	4,665	O	Active	TEMP600529643
30-015-32701	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	919	4,800		No	link	4,712	O	Active	TEMP604761881
30-015-32757	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	916	4,800		No	link	4,670	O	Active	TEMP1654340882
30-015-32756	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	913	4,800		No	link	4,650	O	Active	TEMP1909217110
30-015-32700	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	339			No	link	4,650	O	Active	TEMP2129137822
30-015-32698	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	332			No	link	4,550	O	Active	TEMP1942295156
30-015-32699	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	333			No	link	4,665	O	Active	TEMP531655596
30-015-32701	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	335			No	link	4,712	O	Active	TEMP188594345

30-015-32708	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	336	2/28/2003			No	link	4,610	O	Active	TEMP89220215
30-015-32712	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	344	2/28/2003			No	link	4,760	O	Active	TEMP1593751864
30-015-32713	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	345	2/28/2003			No	link	4,740	O	Active	TEMP2050986319
30-015-32714	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	348	2/28/2003			No	link	4,690	O	Active	TEMP488002321
30-015-32756	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	338	2/28/2003			No	link	4,650	O	Active	TEMP1472383102
30-015-32757	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	340	2/28/2003			No	link	4,670	O	Active	TEMP1175741700
30-015-32700	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	339	2/28/2003			No	link	4,650	O	Active	TEMP950624264
30-015-32716	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	341	2/28/2003			No	link	4,785	O	Active	TEMP1317451888
30-015-32711	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	343	2/28/2003			No	link	4,610	O	Active	TEMP304927478
30-015-29766	CONOCOPHILLIPS COMPANY	EDDY	S:25, T:17S, R:29E	GRAYBURG DEEP UNIT	014	1/1/2003			No	link	11,400	O	Flowing	TEMP1865465933
30-015-32428	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	889	8/30/2002	4,800		No	link	4,755	O	Active	TEMP595139448
30-015-32429	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	890	8/30/2002	4,800		No	link	4,765	O	Active	TEMP459323086
30-015-32428	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	325	7/31/2002			No	link	4,755	O	Active	TEMP797404065
30-015-32429	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	326	7/31/2002			No	link	4,765	O	Active	TEMP1843897134
30-015-25026	BP AMERICA PRODUCTION COMPANY	EDDY	S:35, T:17S, R:29E	JACKSON FEDERAL	001	12/31/2001			No	link	11,383	PO	Active	TEMP1093270160
30-015-31526	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	314	9/7/2001			No	link	4,671	O	Pumping	TEMP162929827
30-015-30062	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	807	8/7/2001			No	link		PO	Unknown	TEMP1966733601
30-015-29961	EOG RESOURCES INC	EDDY	S:35, T:17S, R:29E	STW 35 FEDERAL COM	001	12/7/2000			No	link		G	Unknown	TEMP394270303
30-015-30672	EOG RESOURCES INC	EDDY	S:26, T:17S, R:29E	GRAYBURG DEEP UNIT	016	12/7/2000			No	link		PG	Unknown	TEMP1988638334
30-015-31434	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	312Q	11/6/2000			No	link	4,580	O	Pumping	TEMP479608920
				BURCH										

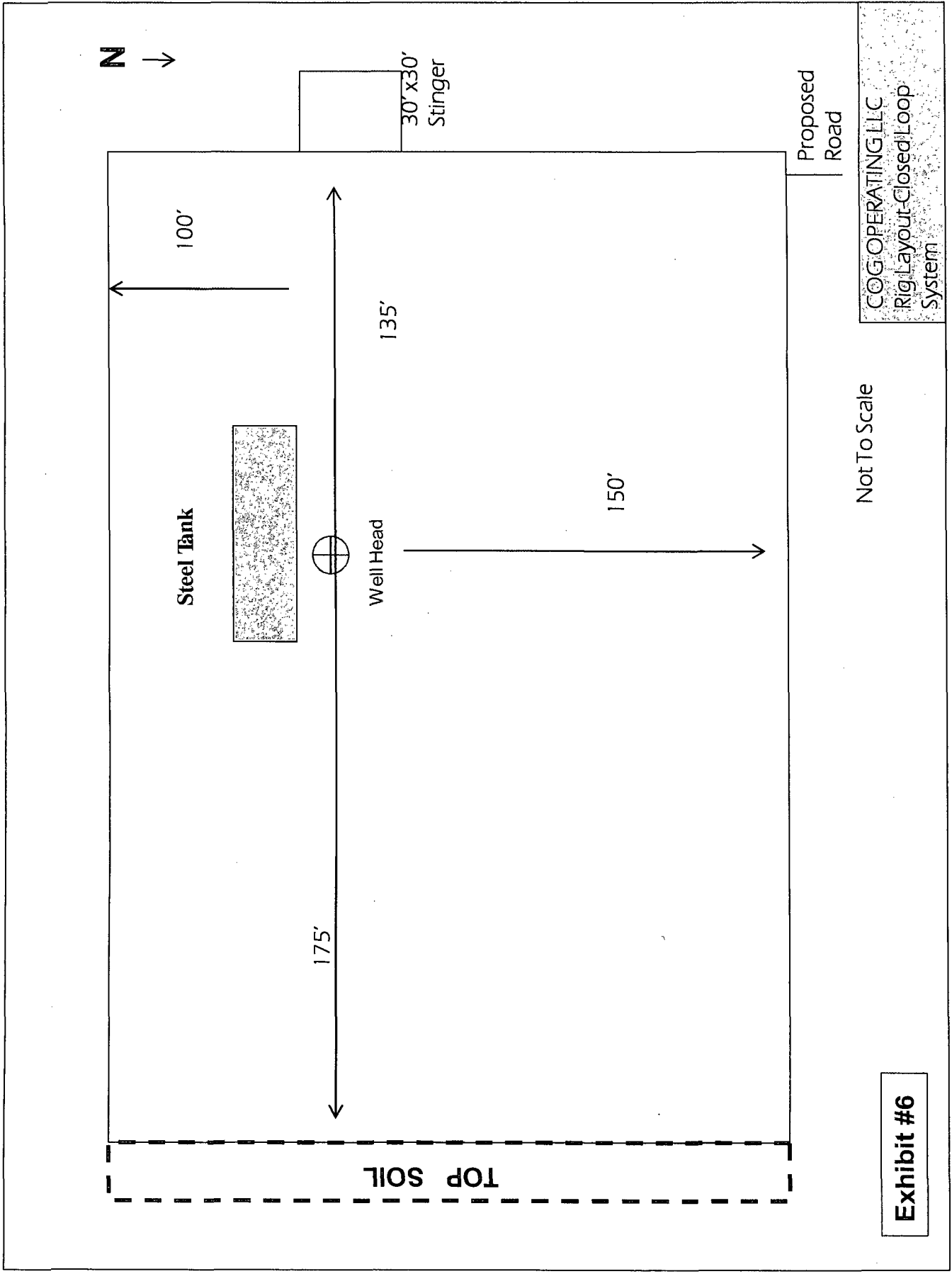
30-015-31321	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	KEELY UNIT	306	8/29/2000			No	link	4,778	O	Pumping	TEMP936805123
30-015-31246	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	307	7/10/2000			No	link	4,805	O	Pumping	TEMP1123555885
30-015-31247	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	310	7/10/2000			No	link	4,869	O	Pumping	TEMP1009285462
30-015-30632	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	302	4/4/2000			No	link	4,570	O	Pumping	TEMP652278116
30-015-30791	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	300	9/14/1999			No	link	4,750	O	Pumping	TEMP138903540
30-015-29985	EOG RESOURCES INC	EDDY	S:36, T:17S, R:29E	SAND TANK 36 STATE COM	002	5/7/1999			No	link	11,400	G	Active	TEMP270981327
30-015-30642	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	315	4/23/1999			No	link	4,670	O	Pumping	TEMP402303295
30-015-29494	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	841	3/4/1999			No	link	4,970	X	Cancelled	TEMP1503665373
30-015-29810	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	853	3/4/1999			No	link	4,570	PO	Unknown	TEMP2075494184
30-015-29493	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	844	1/5/1999			No	link		PO	Unknown	TEMP1484694658
30-015-29492	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	299	12/14/1998			No	link	4,580	O	Pumping	TEMP1445835019
30-015-30490	MARBOB ENERGY CORP	EDDY	S:25, T:17S, R:29E	BURCH KEELY UNIT	294	11/4/1998			No	link	4,920	O	Pumping	TEMP2099672830
30-015-30491	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	305	11/4/1998			No	link	4,675	O	Pumping	TEMP2119679773
30-015-30453	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	290	10/22/1998			No	link	4,723	O	Pumping	TEMP889237466
30-015-30394	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	288	9/2/1998			No	link	4,700	O	Pumping	TEMP557634581
30-015-29456	EOG RESOURCES INC	EDDY	S:26, T:17S, R:29E	GRAYBURG DEEP UNIT	016	7/30/1998			No	link		PG	Unknown	TEMP1512766004
30-015-29455	EOG RESOURCES INC	EDDY	S:25, T:17S, R:29E	GRAYBURG DEEP UNIT	019	7/24/1998			No	link	11,500	G	Active	TEMP1486603079
30-015-30116	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	287	3/4/1998			No	link	4,775	O	Pumping	TEMP142075121
30-015-29963	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	283	12/10/1997			No	link	4,775	O	Pumping	TEMP1727425242
30-015-29955	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	292	11/19/1997			No	link	4,700	O	Pumping	TEMP748624040
	MARBOB ENERGY			BURCH KEELY										

CORP	EDDY	S:25, T:17S, R:29E	UNIT	284	11/18/1997		No	link	4,806	O	Pumping	TEMP623195899
30-015-29958	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT									
30-015-29916	MARBOB ENERGY CORP	EDDY	S:25, T:17S, R:29E	277	11/7/1997		No	link	4,856	O	Pumping	TEMP1334037080
30-015-03793	VINTAGE DRILLING LLC	EDDY	WESTALL B STATE	006	10/1/1997	0	No	link	3,256	PO	Active	TEMP1466781147
30-015-29809	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	278	8/20/1997		No	link	4,821	O	Pumping	TEMP930949046
30-015-29812	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	293	8/20/1997		No	link	4,715	O	Pumping	TEMP1987469526
30-015-29813	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	298	8/20/1997		No	link	4,727	O	Pumping	TEMP1995549253
30-015-29301	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	271	6/23/1997		No	link	4,775	O	Pumping	TEMP1255906980
30-015-29511	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	281	4/9/1997		No	link	4,770	O	Pumping	TEMP1216924748
30-015-29478	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	268	4/3/1997		No	link	4,745	O	Pumping	TEMP912188295
30-015-29454	EOG RESOURCES INC	EDDY	GRAYBURG DEEP UNIT	013	3/13/1997		No	link	11,365	G	Active	TEMP1378103889
30-015-29311	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	273	12/18/1996		No	link	4,813	O	Pumping	TEMP2090427345
30-015-29302	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	289	12/17/1996		No	link	4,828	O	Pumping	TEMP1277837668
30-015-29303	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	267	12/17/1996		No	link	4,820	O	Pumping	TEMP1015054169
30-015-29175	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	264	9/20/1996		No	link	4,840	O	Pumping	TEMP2060893624
30-015-29039	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	259	7/9/1996		No	link	4,845	O	Pumping	TEMP1821268750
30-015-27990	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	807	5/31/1996		No	link		PO	Unknown	TEMP2051069468
30-015-28732	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	237	4/25/1996	11,250	No	link	12,250	G	Plugged and Abandoned	TEMP1337113427
30-015-28911	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	240	3/26/1996		No	link	4,750	O	Pumping	TEMP480464806
30-015-28912	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	260	3/26/1996		No	link	4,840	O	Pumping	TEMP441605167
30-015-28913	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	236	3/26/1996		No	link	4,786	O	Pumping	TEMP710929397
30-015-28886	MARBOB ENERGY CORP	EDDY	BURCH KEELY UNIT	266	3/25/1996		No	link	4,810	O	Pumping	TEMP79947420

30-015-28336	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	263	1/22/1996			No	link	4,795	O	Pumping	TEMP1335128386
30-015-28687	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	227	10/5/1995			No	link	4,670	O	Pumping	TEMP1651089178
30-015-28464	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	252	7/5/1995			No	link	4,615	O	Pumping	TEMP2054555396
30-015-28585	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	254	6/12/1995			No	link	4,710	O	Pumping	TEMP993963381
30-015-28586	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	253	6/12/1995			No	link	4,752	O	Pumping	TEMP1343315382
30-015-28582	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	248	6/10/1995			No	link	4,622	O	Pumping	TEMP871613231
30-015-28360	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	251	5/23/1995			No	link	4,675	O	Pumping	TEMP2024144909
30-015-28243	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	226	12/6/1994			No	link	4,625	O	Pumping	TEMP298630173
30-015-03778	VINTAGE DRILLING LLC	EDDY	S:35, T:17S, R:29E	ROBINSON JACKSON UNIT	010	12/1/1994	0		No	link	3,250	O	Pumping	TEMP277670366
30-015-03780	VINTAGE DRILLING LLC	EDDY	S:35, T:17S, R:29E	ROBINSON JACKSON UNIT	007	12/1/1994	0		No	link	3,120	O	Pumping	TEMP1028936899
30-015-03783	VINTAGE DRILLING LLC	EDDY	S:35, T:17S, R:29E	ROBINSON JACKSON UNIT	030	12/1/1994	0		No	link	0	O	Pumping	TEMP997352775
30-015-03784	VINTAGE DRILLING LLC	EDDY	S:35, T:17S, R:29E	ROBINSON JACKSON UNIT	023	12/1/1994	0		No	link	0	O	Pumping	TEMP628028545
30-015-03786	VINTAGE DRILLING LLC	EDDY	S:35, T:17S, R:29E	ROBINSON JACKSON UNIT	005	12/1/1994	0		No	link	0	O	Pumping	TEMP429498112
30-015-27989	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	228	8/29/1994			No	link	4,765	O	Pumping	TEMP2129627404
30-015-28088	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	243	8/25/1994			No	link	4,602	O	Pumping	TEMP1183945256
30-015-27991	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	230	5/31/1994			No	link	4,625	O	Pumping	TEMP1869152399
30-015-27992	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	232	5/31/1994			No	link	4,650	O	Pumping	TEMP1975727844
30-015-27993	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	233	5/31/1994			No	link	4,600	O	Pumping	TEMP1677932196
30-015-27726	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	219	5/6/1994			No	link	4,800	O	Pumping	TEMP1601960233
	MARBOB ENERGY			BURCH KEELY										

30-015-27574	CORP	EDDY	S:23, T:17S, R:29E	UNIT	216	4/12/1994		No	link	4,600	O	Pumping	TEMP1110706692
30-015-27607	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	214	4/12/1994		No	link	4,600	O	Pumping	TEMP1621283807
30-015-27487	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	211	4/11/1994		No	link	4,600	O	Pumping	TEMP1380030922
30-015-27680	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	217	10/22/1993		No	link	4,600	O	Pumping	TEMP1658017198
30-015-27650	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	218	9/22/1993		No	link	4,600	O	Pumping	TEMP1505641309
30-015-26880	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	118	3/1/1992		No	link	3,575	PO	Pumping	TEMP1736804593
30-015-25713	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	177	7/1/1987		No	link	4,676	PO	Pumping	TEMP1421171457
30-015-25424	MYCO INDUSTRIES INC	EDDY	S:36, T:17S, R:29E	MYCO B-B STATE	010	12/1/1985		No	link	3,475	PO	Active	TEMP2071073646
30-015-24415	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	124	5/1/1984		No	link	3,500	PO	Pumping	TEMP72980377
30-015-24442	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	172	5/1/1984		No	link	3,500	O	Active	TEMP1920544596
30-015-24417	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	126	4/1/1984		No	link	3,500	PO	Pumping	TEMP169796179
30-015-24711	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	123	4/1/1984		No	link	3,500	PO	Pumping	TEMP1608174461
30-015-23852	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	078	12/1/1981		No	link	3,300	PO	Pumping	TEMP672664351
30-015-23836	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	074	11/1/1981		No	link	3,240	PO	Pumping	TEMP91831714
30-015-23166	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	076	5/1/1980	0	No	link	3,610	O	Pumping	TEMP1110219084
30-015-22573	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	169	6/7/1978		No	link	3,460	O	Pumping	TEMP1455610034
30-015-21661	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	082	2/1/1976	0	No	link	3,552	O	Pumping	TEMP567983646
30-015-21665	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	088	1/1/1976	0	No	link	3,570	O	Pumping	TEMP1672212989
30-015-21660	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	080	12/1/1975	0	No	link	3,575	O	Pumping	TEMP542074967
30-015-21662	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	087	12/1/1975	0	No	link	3,550	O	Pumping	TEMP1874590911
	MARBOB ENERGY			BURCH KEELY									

30-015-21663	CORP	EDDY	S:24, T:17S, R:29E	UNIT	085	12/1/1975	0	No	link	0	O	Pumping	TEMP1901138585
30-015-21664	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	083	12/1/1975	0	No	link	3.575	O	Pumping	TEMP1644126319
30-015-21369	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	119	2/1/1975	0	No	link	0	O	Pumping	TEMP1639114717
30-015-21294	MARBOB ENERGY CORP	EDDY	S:24, T:17S, R:29E	BURCH KEELY UNIT	111	12/1/1974	0	No	link	0	O	Pumping	TEMP23785354
30-015-21302	MARBOB ENERGY CORP	EDDY	S:26, T:17S, R:29E	BURCH KEELY UNIT	129	9/1/1974	0	No	link	0	O	Active	TEMP145366006



Not To Scale

COG OPERATING LLC
Rig Layout-Closed Loop
System

Exhibit #6

310



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

60' will be reclaimed on backside of pad



anchor



anchor



Well Head



anchor



anchor

Stinger removed
30'x30' Stinger

N →

250



COG OPERATING LLC
Rig Layout-Closed Loop
Interim reclamation plan

Not To Scale

Exhibit #6