

30-015-38380

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 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 tubulars 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

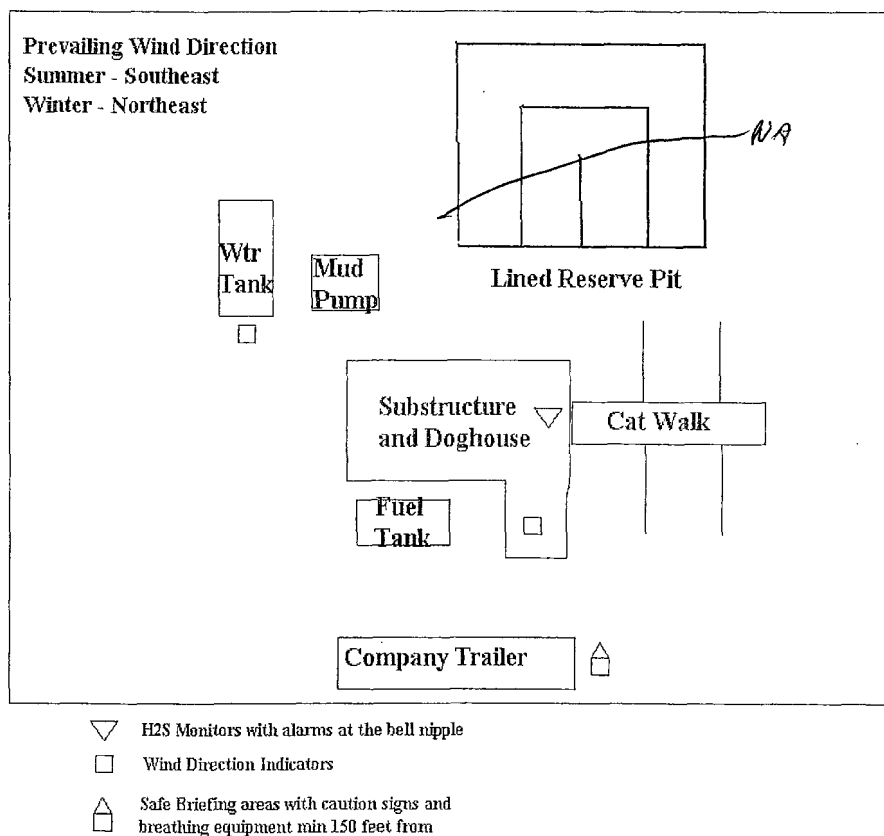
EDDY COUNTY EMERGENCY NUMBERS

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

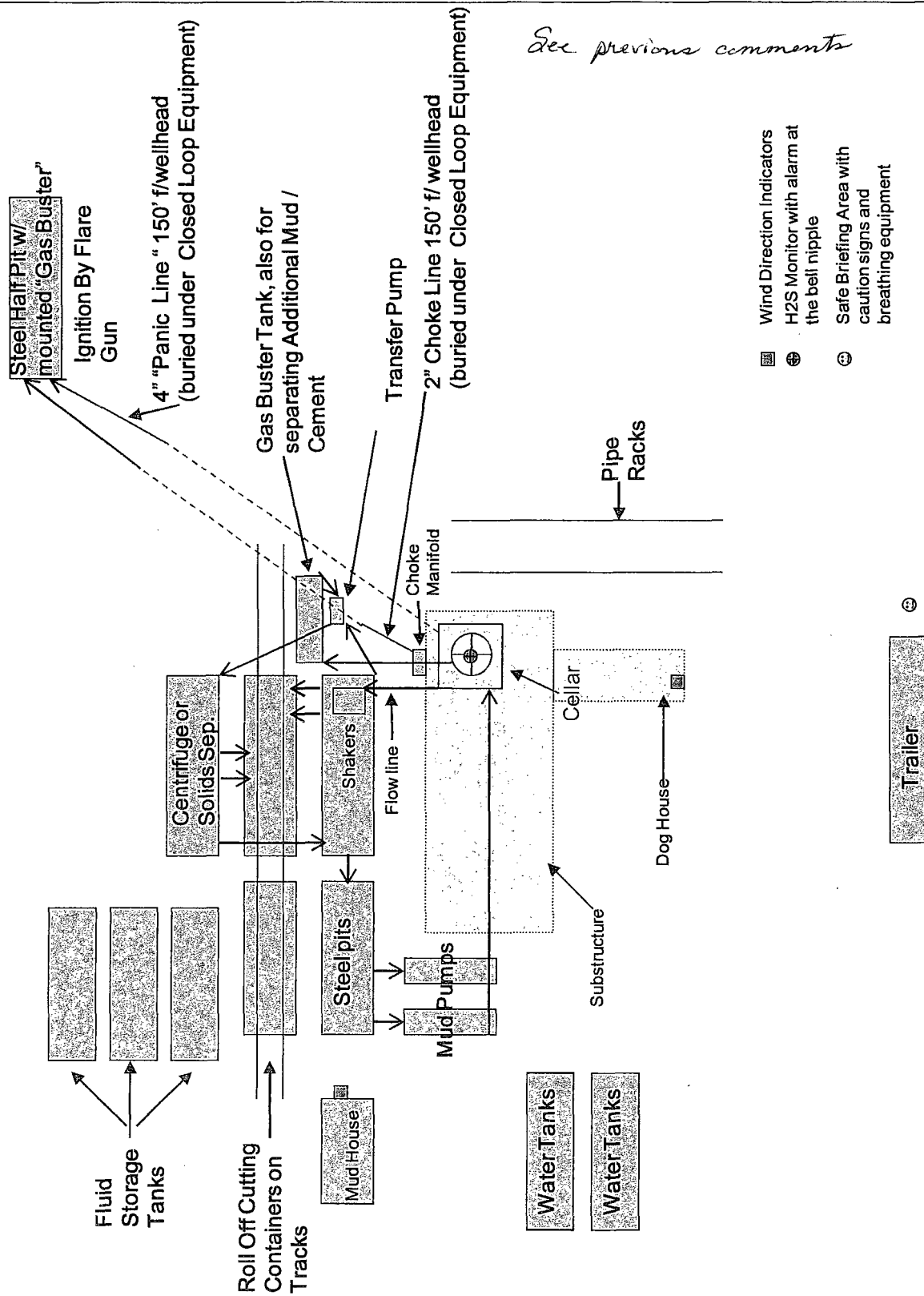
DRILLING LOCATION H₂S SAFETY EQUIPMENT Exhibit # 8



COG Operating LLC

EXHIBIT 8

Drilling Location - H2S Safety Equipment Diagram



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 US Highway 82 and Co. Rd. 224 (Ripple Road), Go Southwest on US Highway 82 apprx 1.2 miles to Wiser Oil Co. sign and lease road. Turn Left and go South apprx 0.4 mile. This location is apprx 175 feet West. 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. Roads will be maintained according to specifications in section 2A of this Surface Use and Operating Plan.

2. Proposed Access Road:

Exhibit #4 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 caliche pit.

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 Skelly 989 Federal tank battery located at the Skelly Unit #989 well location @ 2310 FNL & 1650 FWL, Section 9, T17S, R30E, UL F. 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 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 Skelly 989 Federal tank battery located at the Skelly Unit #989 well location @ 2310 FNL & 1650 FWL, Section 9, T17S, R30E, UL F. The flowline will be SDR 7 3" poly line laid on the surface and will be approximately 1800' in length with max pressure 100 psi. Flowlines will be no more than 11' from the paralleling road. The facility location is shown in Exhibit #5.
- 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 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 along side 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 or 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.

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. Interim Reclamation will take place after the well has been completed. The pad will be downsized by reclaiming the areas not needed for production operations. The portions of the pad that are not needed for production operations will be recontoured to its original state as much as possible. The caliche that is removed will be reused to either build another pad site or for road repairs within the lease. The stockpiled topsoil will then be spread out reclaimed area and reseeded with a BLM approved seed mixture. In the event that the well must be worked over or maintained, it may be necessary to drive, park, and/or operate machinery on reclaimed land. This area will be repaired or reclaimed after work is complete. Pad will be approx. 250'X200' when reclaimed.

- B. Final Reclamation: Upon plugging and abandoning the well, All caliche for well pad and lease road will be removed and surface will be recountoured to reflect its surroundings as much as possible. Caliche will be recycled for road repair or reused for another well pad within the lease. If any topsoil remains, it will be spread out and the area will be re-seeded with a BLM approved mixture and revegetated as per BLM orders.

11.Surface Ownership:

- A. The surface is owned by the U.S. Government and is administered by the Bureau of Land Management. The surface is multiple uses with the primary uses of the region for grazing of livestock and the production of oil and gas.
- B. The surface tenant for this site is Charles Martin, P.O. Box 706, 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.**

Surface Use Plan
COG Operating, LLC
Skelly Unit 806
SHL 1738' FSL & 1880' FWL BHL 1650' FSL & 2310' FWL
Section 23, T-17-S, R-31-E, UL K
Eddy County, New Mexico

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
COG Operating, LLC
Skelly Unit 806
SHL 1738' FSL & 1880' FWL BHL 1650' FSL & 2310' FWL
Section 23, T-17-S, R-31-E, UL K
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 7th day of September, 2010.

Signed: Carl Bird

Printed Name: Carl Bird

Position: Drilling Engineer

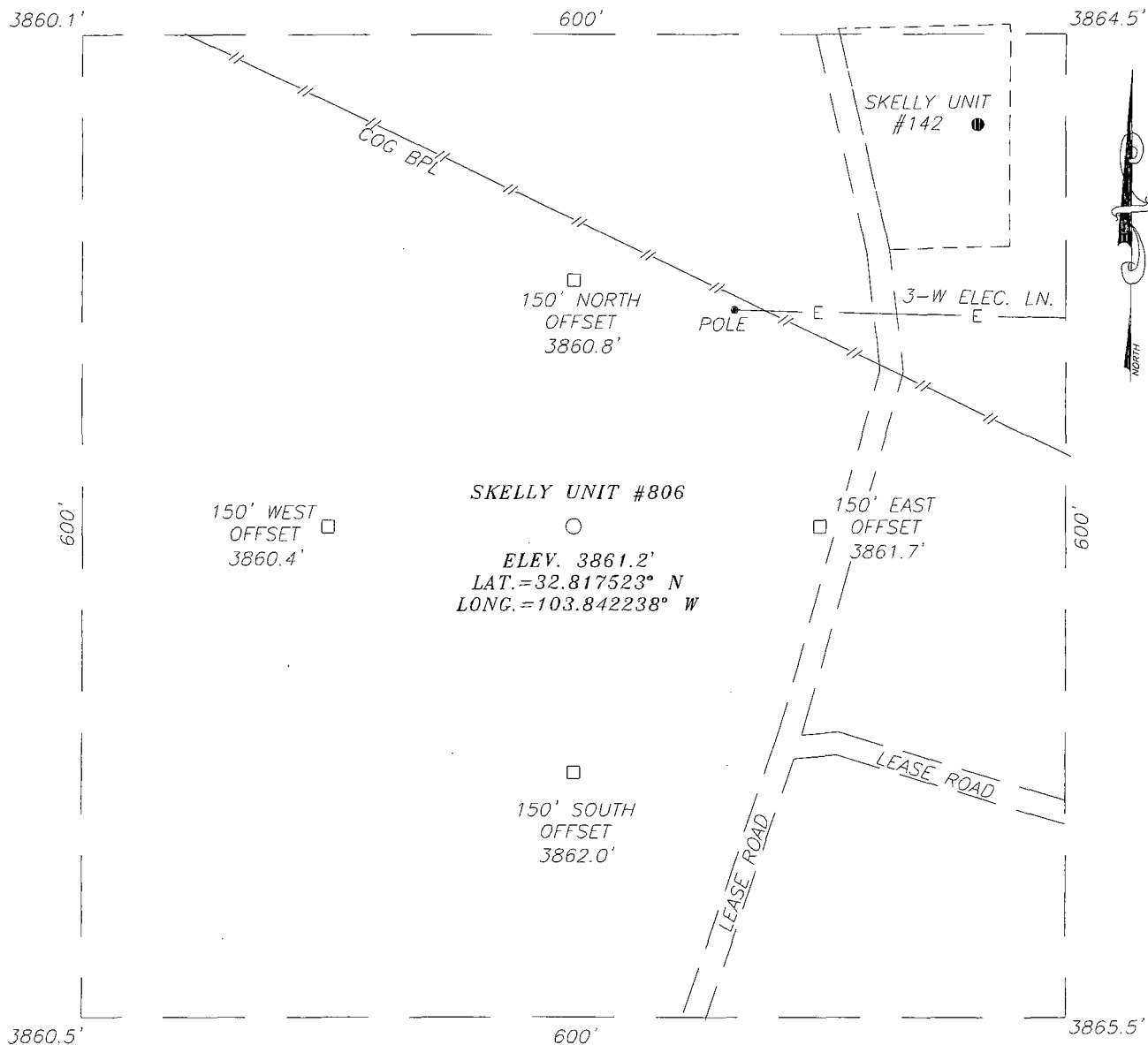
Address: 550 W. Texas, Suite 1300, Midland, Texas 79701

Telephone: (432) 683-7443

Field Representative (if not above signatory): Same

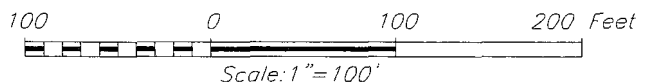
E-mail: cbird@conchoresources.com

SECTION 23, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #224 (RIPPLE RD.) GO SOUTHWEST ON U.S. HWY. #82 APPROX. 1.2 MILES. TURN LEFT AND GO SOUTH APPROX. 0.4 MILES. THE LOCATION STAKE IS APPROX. 175 FEET WEST.



COG OPERATING, LLC

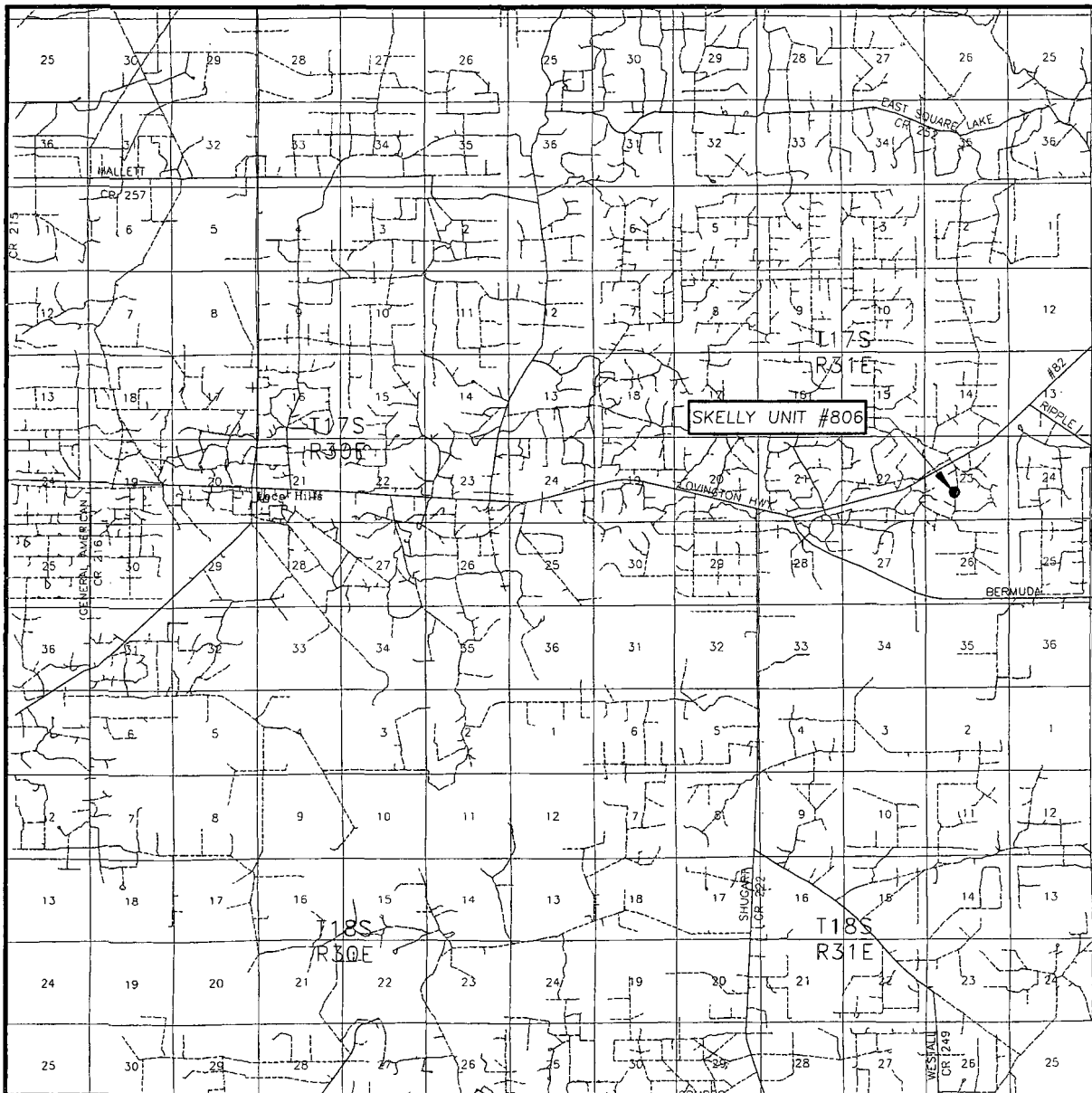
SKELLY UNIT #806 WELL
 LOCATED 1738 FEET FROM THE SOUTH LINE
 AND 1880 FEET FROM THE WEST LINE OF SECTION 23,
 TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 8/23/10	Sheet 1 of 1 Sheets
W.O. Number: 10.11.1050	Dr By: LA
Date: 8/28/10	10111050
	Scale: 1"=100'



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

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 23 TWP. 17-S RGE. 31-E

SURVEY _____ N.M.P.M.

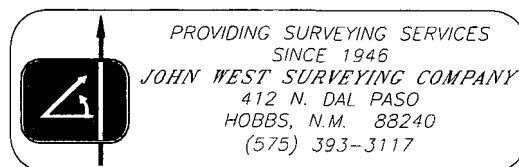
COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 1738' FSL & 1880' FWL

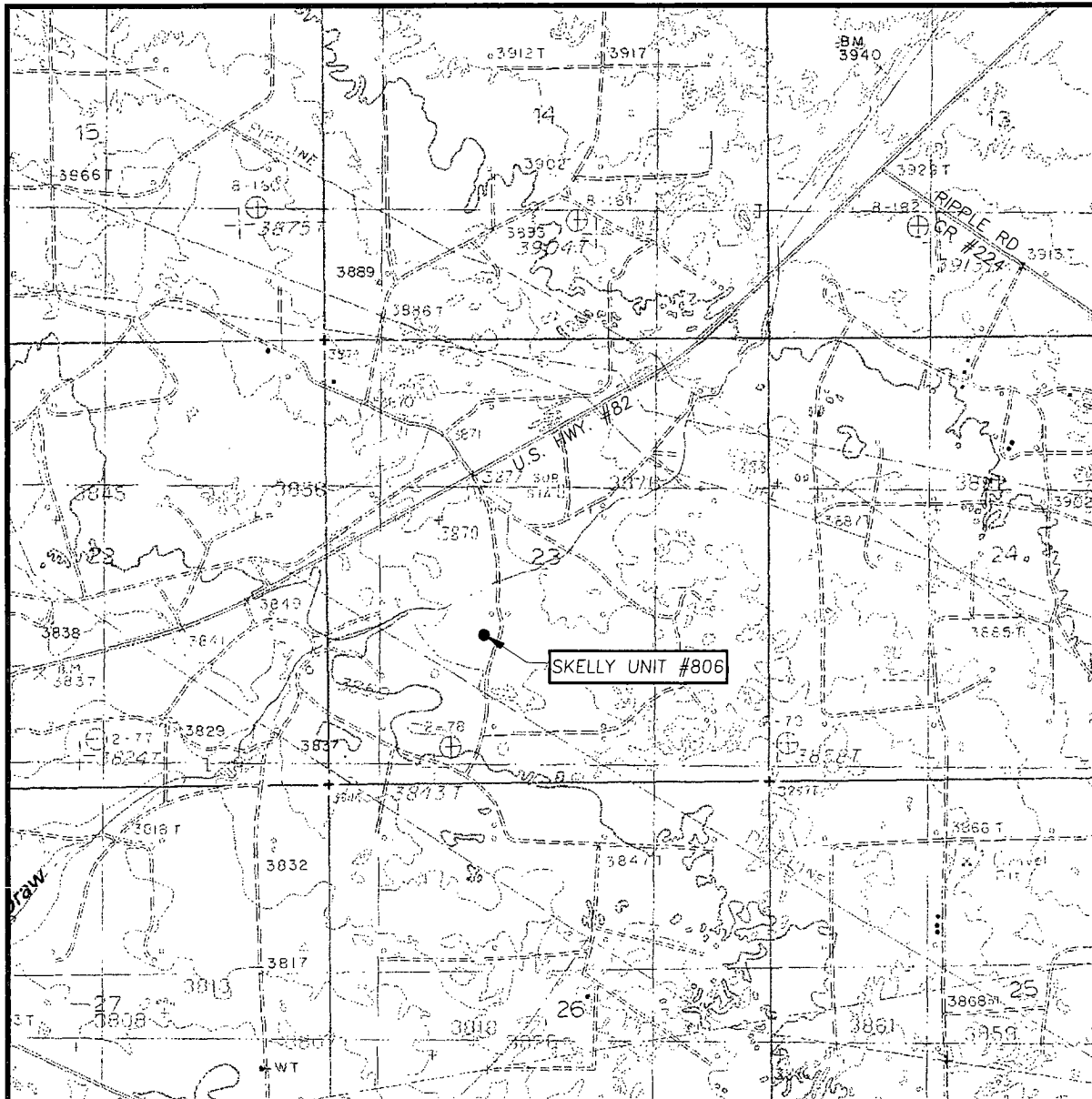
ELEVATION 3861'

OPERATOR COG
OPERATING, LLC

LEASE _____ SKELLY UNIT



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
MALJAMAR, N.M. - 10'

SEC. 23 TWP. 17-S RGE. 31-E

SURVEY _____ N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

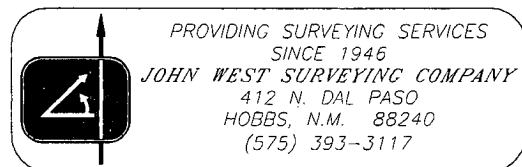
DESCRIPTION 1738' FSL & 1880' FWL

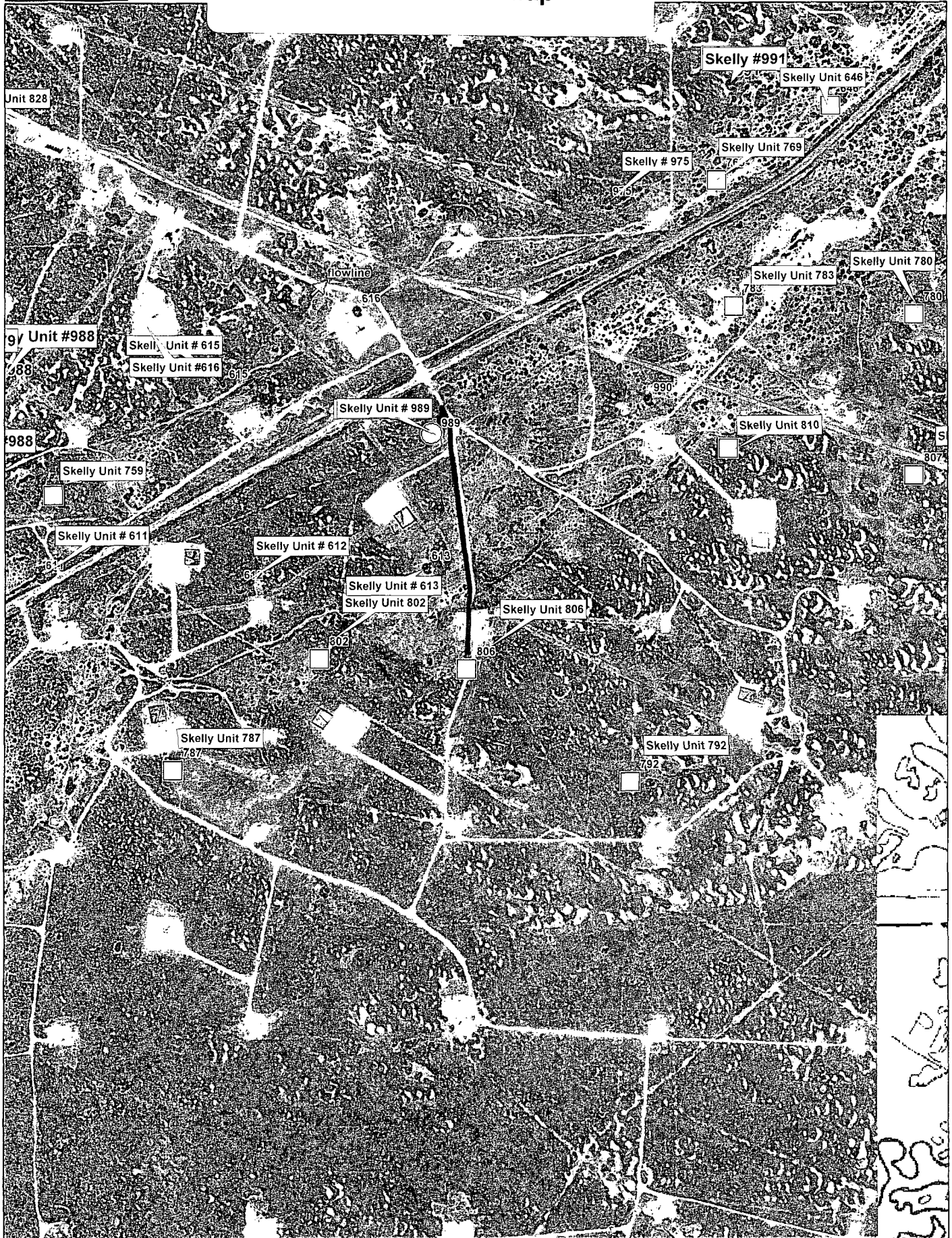
ELEVATION 3861'

COG
OPERATOR OPERATING, LLC

LEASE SKELLY UNIT

U.S.G.S. TOPOGRAPHIC MAP
MALJAMAR, N.M.

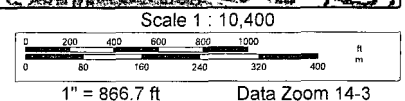
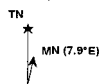




Data use subject to license.

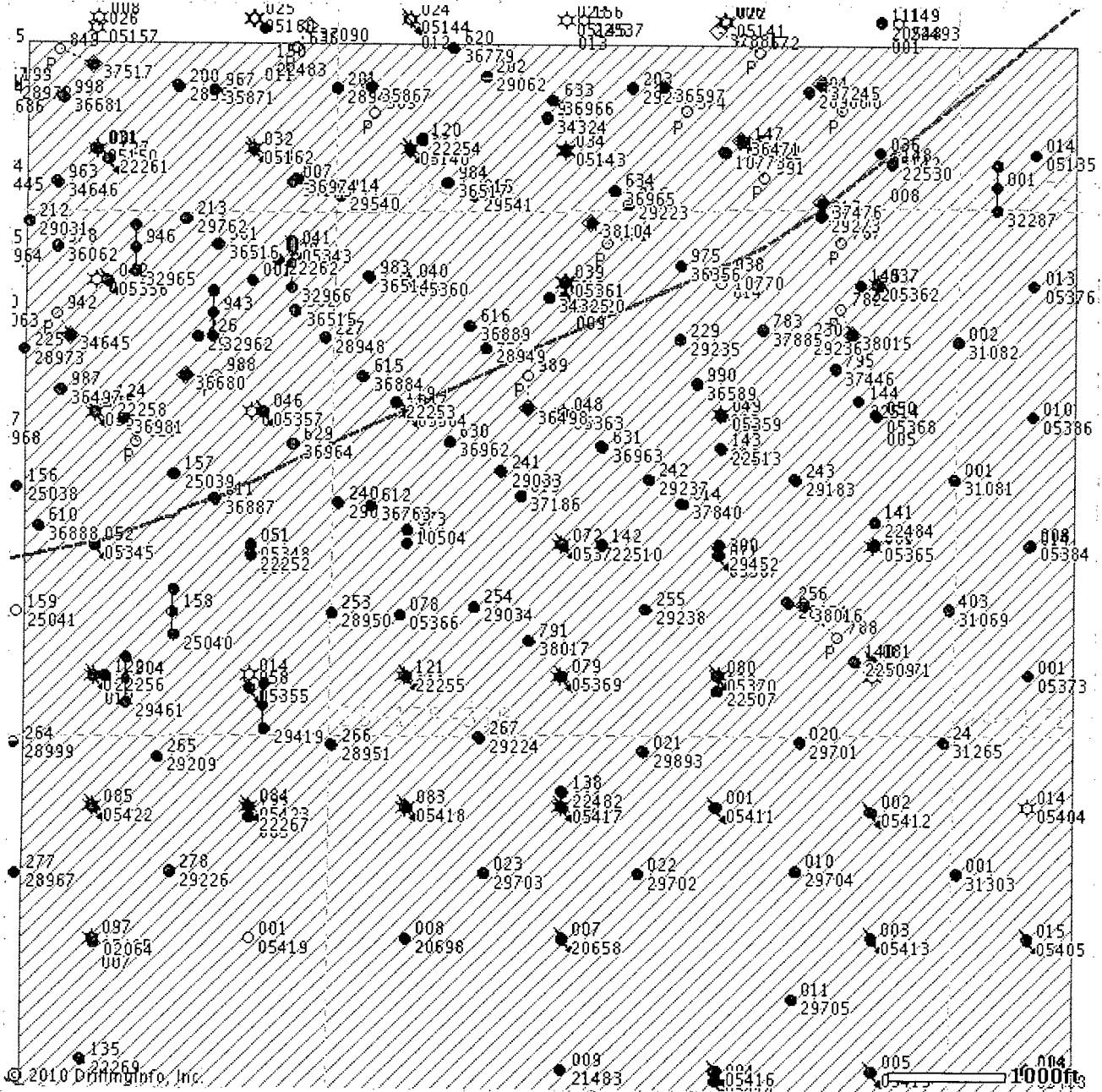
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1 Mile Radius Around Skelly Unit 806 - Change Title

[PDF](#) [Save](#)
[Map](#) [Image](#)



1 Mile Radius Around Skelly Unit 806

API#	Operator	County	Legal	Lease	Well#	Date Issued	Permitted Depth	Permit TVD	Images	Doc	Total Depth	Well Type	Well Status	Target Formation
30-015-38015	COG OPERATING LLC	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	782	7/15/2010	7,100		No	link	7,100	PO	Active	
30-015-38016	COG OPERATING LLC	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	788	7/15/2010	7,050		No	link	7,050	PO	Active	
30-015-38017	COG OPERATING LLC	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	791	7/15/2010	7,000		No	link	7,000	PO	Active	
30-015-37885	COG OPERATING LLC	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	783	5/20/2010	7,100		Yes	link	7,100	PO	Active Permit	
30-015-38104	COG OPERATING LLC	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	771	5/20/2010	7,100		Yes	link	7,100	PO	Active Permit	
30-015-37840	COG OPERATING LLC	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	614	4/23/2010	6,900		Yes	link	6,900	PO	Active Permit	
30-015-37517	COG OPERATING LLC	EDDY	S 15, T:17S, R:31E	SKELLY UNIT	849	1/6/2010	6,917	6,900	Yes	link	6,917	PO	Active Permit	
30-015-37476	COG OPERATING LLC	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	767	12/18/2009	6,900		Yes	link	6,900	PO	Active Permit	
30-015-37446	COG OPERATING LLC	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	795	12/11/2009	6,900		Yes	link	6,920	O	Active Permit	
30-015-37245	COG OPERATING LLC	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	660	8/26/2009	6,800		Yes	link	6,800	PO	Active Permit	
30-015-37186	COG OPERATING LLC	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	613	7/24/2009	6,500		Yes	link	6,511	O	Active Permit	
30-015-36981	COG OPERATING LLC	EDDY	S 22, T:17S, R:31E	SKELLY UNIT	628	2/27/2009	6,806	6,800	Yes	link	6,846	O	Active Permit	
30-015-36963	COG OPERATING LLC	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	631	2/25/2009	6,800		Yes	link	6,801	O	Active Permit	
30-015-36966	COG OPERATING LLC	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	633	2/25/2009	6,800		Yes	link	6,798	O	Active Permit	
30-015-36965	COG OPERATING LLC	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	634	2/25/2009	6,800		Yes	link	6,820	O	Active Permit	
30-015-36964	COG OPERATING LLC	EDDY	S 22, T:17S, R:31E	SKELLY UNIT	629	2/25/2009	6,800		Yes	link	6,804	O	Active Permit	
30-015-36974	COG OPERATING LLC	EDDY	S 15, T:17S, R:31E	SKELLY UNIT	632	2/25/2009	6,800		Yes	link	6,825	O	Active Permit	
30-015-36962	COG OPERATING LLC	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	630	12/12/2008	6,800		Yes	link	6,818	O	Active Permit	
30-015-36779	COG OPERATING LLC	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	620	11/21/2008	6,500		Yes	link	6,570	O	Active Permit	

DI Search Results (Printable Table)

30-015-36889	OPERATING LLC	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	616	11/21/2008	6,500		Yes	link	6,810	O	Active Permit	
30-015-36763	COG OPERATING LLC	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	612	11/4/2008	6,500		Yes	link	6,708	O	Active Permit	
30-015-36887	COG OPERATING LLC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	611	11/4/2008	6,500		Yes	link	6,890	O	Active Permit	
30-015-36888	COG OPERATING LLC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	610	11/4/2008	6,500		Yes	link	6,935	O	Active Permit	
30-015-36884	COG OPERATING LLC	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	615	11/3/2008	6,400		Yes	link	6,890	O	Active Permit	
30-015-36589	COG OPERATING LLC AGENT or COG OPERATING LLC	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	990	8/19/2008	6,700		Yes	link	6,720	U	Active Permit	
30-015-36514	COG OPERATING LLC AGENT or COG OPERATING LLC	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	983	8/4/2008	6,500		Yes	link	6,700	O	Active Permit	
30-015-36517	COG OPERATING LLC AGENT or COG OPERATING LLC	EDDY	S:14, T:17S, R:31E	SKELLY UNIT	984	8/4/2008	6,500		Yes	link	6,720	O	Active Permit	
30-015-36515	COG OPERATING LLC AGENT or COG OPERATING LLC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	982	8/4/2008	6,500		Yes	link	6,830	U	Active Permit	
30-015-36516	COG OPERATING LLC AGENT or COG OPERATING LLC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	981	8/4/2008	6,500		Yes	link	6,505	O	Active Permit	
30-015-36597	COG OPERATING LLC AGENT or COG OPERATING LLC	EDDY	S:14, T:17S, R:31E	SKELLY UNIT	974	8/4/2008	6,511	6,500	Yes	link	6,500	O	Active Permit	
30-015-36498	COG OPERATING LLC AGENT or COG OPERATING LLC	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	989	8/1/2008	6,600		Yes	link	6,518	O	Active Permit	
30-015-36471	COG OPERATING LLC AGENT or COG OPERATING LLC	EDDY	S:14, T:17S, R:31E	SKELLY UNIT	991	7/31/2008	6,700		Yes	link	6,521	O	Active Permit	
30-015-36681	COG OPERATING LLC AGENT or COG OPERATING LLC	EDDY	S:15, T:17S, R:31E	SKELLY UNIT	998	7/31/2008	6,600		Yes	link	6,593	O	Active Permit	
	COG OPERATING LLC			SKELLY UNIT										

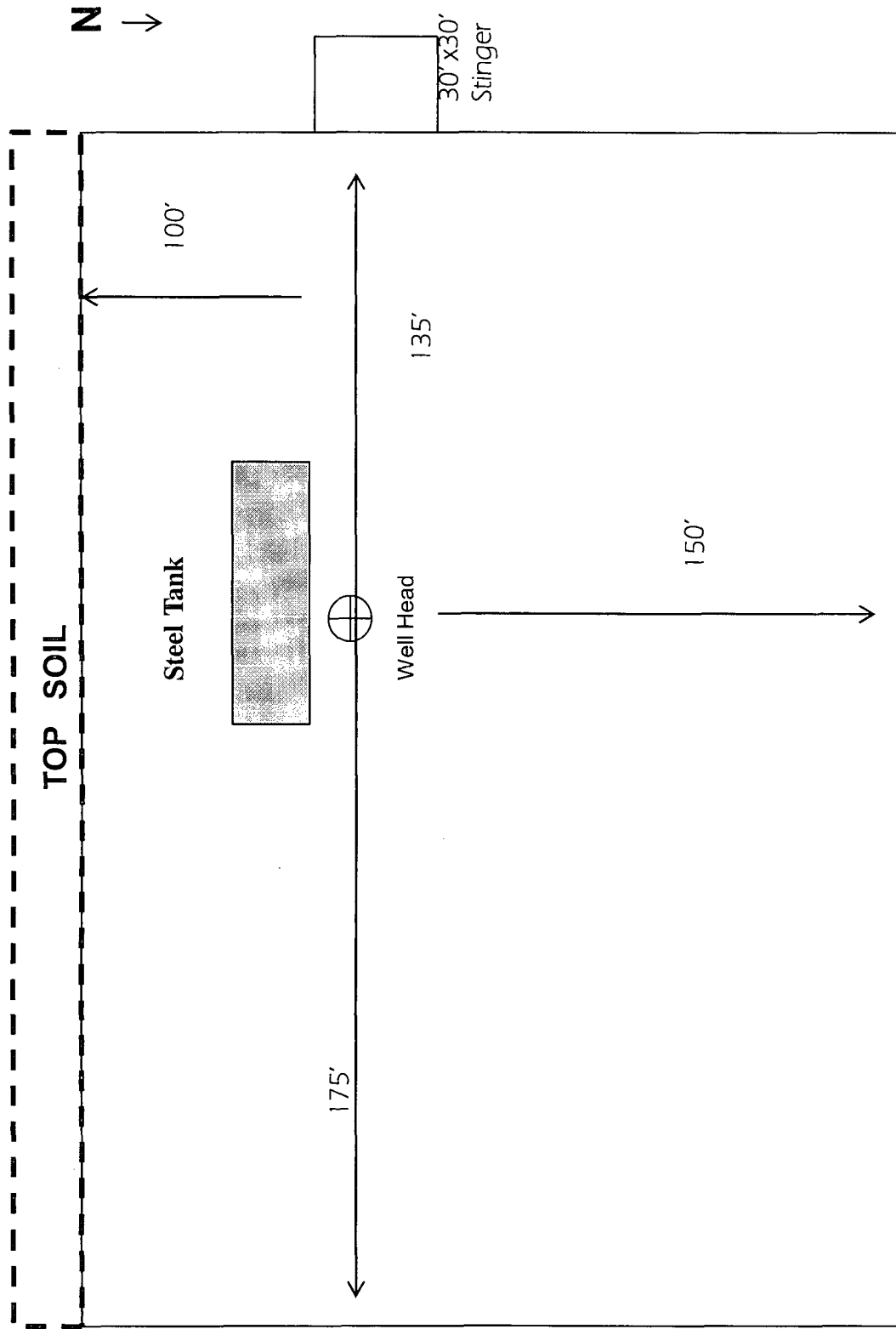
30-015-36680	LLC	EDDY	S:22, T:17S, R:31E	UNIT	988	7/31/2008	6,600		Yes	link	6,716	O	Active Permit	
30-015-36497	COG OPERATING LLC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	987	7/24/2008	6,600		Yes	link	6,600	PO	Active Permit	
30-015-36356	CHEVRON U S A INC or CHEVRON USA INC	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	975	5/29/2008	6,600		Yes	link	6,747	O	Active Permit	
30-015-36062	CHEVRON USA, INC. or CHEVRON USA INC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	978	1/17/2008	6,500		Yes	link	6,500	PO	Active Permit	
30-015-35887	CHEVRON USA, INC. or CHEVRON USA INC	EDDY	S:14, T:17S, R:31E	SKELLY UNIT	969	10/11/2007	6,500		Yes	link	6,517	O	Active Permit	
30-015-35871	CHEVRON USA, INC. or CHEVRON USA INC	EDDY	S:15, T:17S, R:31E	SKELLY UNIT	967	9/18/2007	6,500		Yes	link	6,508	O	Active Permit	
30-015-34645	CHEVRON USA, INC. or CHEVRON USA INC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	942	2/22/2006	5,500		No	link	6,500	O	Active Permit	
30-015-34646	CHEVRON USA, INC.	EDDY	S:15, T:17S, R:31E	SKELLY UNIT	963	2/21/2006	5,500		No	link	5,500	PO	Active Permit	
30-015-34324	CHEVRON USA, INC.	EDDY	S:14, T:17S, R:31E	SKELLY UNIT	961	9/2/2005	5,500		No	link	5,495	O	Active Permit	
30-015-34325	CHEVRON USA, INC.	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	962	9/2/2005	5,500		No	link	5,470	PO	Active Permit	
30-015-34143	MACK ENERGY CORPORATION or MACK ENERGY CORP	EDDY	S:15, T:17S, R:31E	WILLOW STATE	007	6/3/2005	6,400		No	link	5,325	PO	Active Permit	PADDOCK
30-015-32962	CHEVRON USA, INC. or CHEVRON U S A INC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	943	11/30/2004			No	link	5,410	O	Active	FREN PADDOCK 26770
30-015-32965	CHEVRON USA, INC. or CHEVRON U S A INC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	946	11/30/2004			No	link	5,430	O	Active	FREN PADDOCK 26770
30-015-32966	CHEVRON USA, INC. or CHEVRON U S A INC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	947	11/30/2004			No	link	5,430	O	Active	FREN PADDOCK 26770
30-015-32962	CHEVRON USA, INC. or CHEVRON USA INC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	943	8/21/2003	5,500		No	link	5,410	O	Active	FREN PADDOCK
30-015-32965	CHEVRON USA, INC. or CHEVRON USA INC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	946	8/21/2003	5,500		No	link	5,430	O	Active	FREN PADDOCK
30-015-32966	CHEVRON USA, INC. or CHEVRON USA INC	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	947	8/21/2003	5,500		No	link	5,430	O	Active	FREN PADDOCK
30-015-32287	HUDSON OIL COMPANY OF TEXAS	EDDY	S:13, T:17S, R:31E	WESCOTT FEDERAL	001	6/16/2003	6,200		No	link	6,200	O	Active	FREN PADDOCK
30-015-32287	HUDSON OIL COMPANY OF TEXAS	EDDY	S:13, T:17S, R:31E	WESCOTT FEDERAL	001	5/31/2003			No	link	6,200	O	Active	MALJAMAR PADDOCK

30-015-29419	USA, INC. or CHEVRON U S A INC	EDDY	S 22, T:17S, R:31E	SKELLY UNIT	903	5/1/2002		No	link	8,000	O	Pumping	ABO
30-015-29461	CHEVRON USA, INC. or CHEVRON U S A INC	EDDY	S 22, T:17S, R:31E	SKELLY UNIT	904	5/1/2002		No	link	9,200	O	Shut-in	ABO
30-015-29419	CHEVRON USA, INC. or CHEVRON U S A INC	EDDY	S 22, T:17S, R:31E	SKELLY UNIT	903	4/30/2002		No	link	8,000	O	Pumping	ABO P&A 11-15-04
30-015-29461	CHEVRON USA, INC. or CHEVRON U S A INC	EDDY	S 22, T:17S, R:31E	SKELLY UNIT	904	4/30/2002		No	link	9,200	O	Shut-in	ABO P&A 110404
30-015-05405	HUDSON OIL COMPANY OF TEXAS	EDDY	S 25, T:17S, R:31E	PUCKETT B	015	3/5/2002	0	No	link	0	I	Injection Well	
30-015-05365	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	070	9/10/2000	0	No	link	0	PI	Temporarily Abandoned	
30-015-05384	HUDSON OIL COMPANY OF TEXAS	EDDY	S 24, T:17S, R:31E	PUCKETT A	008	8/30/2000	0	No	link	0	I	Pumping	
30-015-31303	HUDSON OIL COMPANY OF TEXAS	EDDY	S 25, T:17S, R:31E	PUCKETT B WH	001	8/22/2000		No	link	4,025	O	Pumping	MALJAMAR G-SA
30-015-31265	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	024	7/21/2000		No	link	4,150	O	Pumping	GRAYBURG JACKSON-SR-QN-GB-SA
30-015-31081	HUDSON OIL COMPANY OF TEXAS	EDDY	S 24, T:17S, R:31E	PUCKETT A WH	001	4/12/2000		No	link	4,040	O	Active	MALJAMAR GRAYBURG SAN ANDRES
30-015-31082	HUDSON OIL COMPANY OF TEXAS	EDDY	S 24, T:17S, R:31E	PUCKETT A WH	002	4/12/2000		No	link	4,052	O	Pumping	MALJAMAR GRAYBURG SAN ANDRES
30-015-31069	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	403	4/5/2000		No	link	4,100	O	Pumping	GRAYBURG-JACKSON-SR-QN-GB-SA
30-015-05412	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	002	1/23/1998	0	No	link	0	I	Injection Well	
30-015-20658	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	007	1/13/1998	0	No	link	4,000	I	Injection Well	
30-015-05415	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	005	12/8/1997	0	No	link	0	I	Injection Well	
30-015-22261	WISER OIL CO (THE)	EDDY	S 15, T:17S, R:31E	SKELLY UNIT	127	10/16/1997	0	No	link	2,503	I	Injection Well	
30-015-29893	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	021	10/16/1997		No	link	4,100	O	Pumping	SAN ANDRES
30-015-05414	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	004	9/25/1997	0	No	link	0	I	Injection Well	
30-015-29702	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	022	9/1/1997		No	link	4,000	O	Shut-in	SAN ANDRES
30-015-29703	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	023	9/1/1997		No	link	4,050	O	Pumping	SAN ANDRES
30-015-22255	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	121	8/22/1997	0	No	link	2,600	I	Injection Well	
30-015-29701	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	020	8/22/1997		No	link	4,100	O	Pumping	SAN ANDRES
30-015-29762	WISER OIL CO (THE)	EDDY	S 22, T:17S, R:31E	SKELLY UNIT	213	7/29/1997		No	link	3,950	O	Pumping	SAN ANDRES
30-015-05417	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	SKELLY UNIT	082	7/24/1997	0	No	link	3,876	I	Injection Well	
30-015-29704	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	010	6/30/1997		No	link	4,200	O	Pumping	SAN ANDRES

30-015-29705	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	011	6/30/1997			No	link	4,100	O	Pumping	SAN ANDRES
30-015-05140	WISER OIL CO (THE)	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	033	6/2/1997	0		No	link	3,840	I	Injection Well	
30-015-05411	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	001	5/27/1997	0		No	link	0	I	Injection Well	
30-015-05413	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	003	5/17/1997	0		No	link	0	I	Injection Well	
30-015-05416	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	LEAD	006	5/1/1997	0		No	link	0	I	Injection Well	
30-015-05343	WISER OIL CO (THE)	EDDY	S 22, T:17S, R:31E	SKELLY UNIT	041	4/24/1997	0		No	link	3,818	I	Injection Well	
30-015-29540	WISER OIL CO (THE)	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	214	4/24/1997			No	link	3,950	O	Active	SAN ANDRES
30-015-29541	WISER OIL CO (THE)	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	215	4/24/1997			No	link	4,000	O	Pumping	SAN ANDRES
30-015-05418	WISER OIL CO (THE)	EDDY	S 26, T:17S, R:31E	SKELLY UNIT	083	4/17/1997	0		No	link	0	I	Injection Well	
30-015-05348	WISER OIL CO (THE)	EDDY	S 22, T:17S, R:31E	SKELLY UNIT	051	4/10/1997			No	link	12,204	O	Shut-in	
30-015-10773	WISER OIL CO (THE)	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	035	4/4/1997	0		No	link	3,944	I	Pumping	
30-015-05359	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	049	3/31/1997	0		No	link	3,850	O	Active	
30-015-05361	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	039	3/28/1997	0		No	link	3,841	G	Active	
30-015-05364	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	047	3/28/1997	0		No	link	3,822	I	Injection Well	
30-015-05423	WISER OIL CO (THE)	EDDY	S 27, T:17S, R:31E	SKELLY UNIT	084	3/20/1997	0		No	link	0	I	Injection Well	
30-015-05372	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	072	3/19/1997	0		No	link	3,000	I	Injection Well	
30-015-05370	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	080	3/18/1997	0		No	link	3,884	I	Injection Well	
30-015-29452	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	300	3/10/1997			No	link	4,050	I	Injection Well	SAN ANDRES
30-015-05353	WISER OIL CO (THE)	EDDY	S 22, T:17S, R:31E	SKELLY UNIT	057	3/8/1997	0		No	link	0	I	Injection Well	
30-015-05346	WISER OIL CO (THE)	EDDY	S 22, T:17S, R:31E	SKELLY UNIT	045	2/7/1997	0		No	link	3,804	I	Injection Well	
30-015-29273	WISER OIL CO (THE)	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	217	11/14/1996			No	link	4,120	O	Pumping	SAN ANDRES
30-015-29235	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	229	10/23/1996			No	link	4,025	O	Pumping	SAN ANDRES
30-015-29236	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	230	10/23/1996			No	link	4,100	O	Active	SAN ANDRES
30-015-29237	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	242	10/23/1996			No	link	4,025	O	Temporarily Abandoned	SAN ANDRES
30-015-29238	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	255	10/23/1996			No	link	4,100	O	Pumping	SAN ANDRES
30-015-29224	WISER OIL CO (THE)	EDDY	S 23, T:17S, R:31E	SKELLY UNIT	267	10/15/1996			No	link	3,950	O	Pumping	SAN ANDRES
30-015-29223	WISER OIL CO (THE)	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	216	10/11/1996			No	link	4,100	O	Pumping	SAN ANDRES
30-015-29226	WISER OIL CO (THE)	EDDY	S 27, T:17S, R:31E	SKELLY UNIT	278	10/11/1996			No	link	4,100	O	Active	SAN ANDRES
30-015-29219	WISER OIL CO (THE)	EDDY	S 14, T:17S, R:31E	SKELLY UNIT	203	10/9/1996			No	link	4,100	O	Pumping	SAN ANDRES
30-015-29209	WISER OIL CO (THE)	EDDY	S 27, T:17S, R:31E	SKELLY UNIT	265	10/4/1996			No	link	3,950	O	Active	SAN ANDRES

30-015-29182	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	226	9/24/1996			No	link	4,000	O	Pumping	SAN ANDRES
30-015-29183	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	243	9/24/1996			No	link	4,050	O	Pumping	SAN ANDRES
30-015-29062	WISER OIL CO (THE)	EDDY	S:14, T:17S, R:31E	SKELLY UNIT	202	7/25/1996			No	link	4,050	O	Pumping	SAN ANDRES
30-015-29031	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	212	7/2/1996			No	link	4,060	O	Pumping	SAN ANDRES
30-015-29032	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	240	7/2/1996			No	link	4,050	O	Active	SAN ANDRES
30-015-29033	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	241	7/2/1996			No	link	4,000	O	Pumping	SAN ANDRES
30-015-29034	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	254	7/2/1996			No	link	4,050	O	Pumping	SAN ANDRES
30-015-28998	WISER OIL CO (THE)	EDDY	S:15, T:17S, R:31E	SKELLY UNIT	200	6/5/1996			No	link	4,000	O	Pumping	GRAYBURG JACKSON
30-015-28974	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	256	5/9/1996			No	link	4,050	O	Pumping	GRAYBURG JACKSON
30-015-28966	WISER OIL CO (THE)	EDDY	S:14, T:17S, R:31E	SKELLY UNIT	204	5/2/1996			No	link	4,150	O	Active	GRAYBURG-JACKSON
30-015-28947	WISER OIL CO (THE)	EDDY	S:14, T:17S, R:31E	SKELLY UNIT	201	4/24/1996			No	link	4,050	O	Pumping	SAN ANDRES
30-015-28948	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	227	4/24/1996			No	link	3,950	O	Pumping	SAN ANDRES
30-015-28949	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	228	4/24/1996			No	link	4,005	O	Active	SAN ANDRES
30-015-28951	WISER OIL CO (THE)	EDDY	S:26, T:17S, R:31E	SKELLY UNIT	266	4/24/1996			No	link	4,100	O	Pumping	SAN ANDRES
30-015-28950	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	253	4/23/1996			No	link	4,000	O	Pumping	SAN ANDRES
30-015-05143	WISER OIL CO (THE)	EDDY	S:14, T:17S, R:31E	SKELLY UNIT	034	9/1/1995	0		No	link	0	G	Flowing	
30-015-05150	WISER OIL CO (THE)	EDDY	S:15, T:17S, R:31E	SKELLY UNIT	031	9/1/1995	0		No	link	3,800	O	Shut-in	
30-015-05162	WISER OIL CO (THE)	EDDY	S:15, T:17S, R:31E	SKELLY UNIT	032	9/1/1995	0		No	link	0	I	Injection Well	
30-015-05345	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	052	9/1/1995	0		No	link	2,170	I	Injection Well	
30-015-05355	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	058	9/1/1995	0		No	link	0	I	Injection Well	
30-015-05356	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	042	9/1/1995			No	link	2,165	I	Injection Well	
30-015-05357	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	046	9/1/1995	0		No	link	3,820	I	Injection Well	
30-015-05360	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	040	9/1/1995	0		No	link	3,827	G	Flowing	
30-015-05362	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	037	9/1/1995			No	link	3,886	O	Temporarily Abandoned	
30-015-05363	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	048	9/1/1995	0		No	link	3,857	I	Pumping	
30-015-05366	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	078	9/1/1995			No	link	3,855	O	Active	
30-015-05369	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	079	9/1/1995	0		No	link	3,894	I	Injection Well	
30-015-05371	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	081	9/1/1995	0		No	link	3,910	I	Injection Well	
30-015-05422	WISER OIL CO (THE)	EDDY	S:27, T:17S, R:31E	SKELLY UNIT	085	9/1/1995	0		No	link	3,803	I	Injection Well	
30-015-05425	WISER OIL CO (THE)	EDDY	S:27, T:17S, R:31E	SKELLY UNIT	097	9/1/1995	0		No	link	0	O	Shut-in	PLUG & ABANDON

30-015-10504	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	073	9/1/1995	0		No	link	0	O	Active	
30-015-10770	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	038	9/1/1995			No	link	3,910	PI	Injection Well	
30-015-22252	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	118	9/1/1995			No	link	2,580	O	Temporarily Abandoned	
30-015-22253	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	119	9/1/1995			No	link		PO	Temporarily Abandoned	
30-015-22254	WISER OIL CO (THE)	EDDY	S:14, T:17S, R:31E	SKELLY UNIT	120	9/1/1995	0		No	link	2,600	O	Pumping	
30-015-22256	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	122	9/1/1995	0		No	link	2,600	O	Pumping	
30-015-22258	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	124	9/1/1995	0		No	link	11,065	O	Active	
30-015-22262	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	128	9/1/1995	0		No	link	2,550	O	Active	
30-015-22267	WISER OIL CO (THE)	EDDY	S:27, T:17S, R:31E	SKELLY UNIT	133	9/1/1995	0		No	link	2,700	O	Pumping	
30-015-22269	WISER OIL CO (THE)	EDDY	S:27, T:17S, R:31E	SKELLY UNIT	135	9/1/1995	0		No	link	2,740	O	Pumping	
30-015-22482	WISER OIL CO (THE)	EDDY	S:26, T:17S, R:31E	SKELLY UNIT	138	9/1/1995	0		No	link	3,980	O	Active	
30-015-22484	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	141	9/1/1995	0		No	link	2,700	O	Active	
30-015-22507	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	139	9/1/1995	0		No	link	2,680	O	Pumping	
30-015-22509	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	140	9/1/1995	0		No	link	2,701	O	Active	
30-015-22510	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	142	9/1/1995	0		No	link	2,650	O	Pumping	
30-015-22513	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	143	9/1/1995	0		No	link	2,650	O	Temporarily Abandoned	
30-015-22520	WISER OIL CO (THE)	EDDY	S:23, T:17S, R:31E	SKELLY UNIT	146	9/1/1995	0		No	link	2,646	O	Pumping	
30-015-22530	WISER OIL CO (THE)	EDDY	S:14, T:17S, R:31E	SKELLY UNIT	148	9/1/1995			No	link		O	Temporarily Abandoned	
30-015-25039	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	157	9/1/1995			No	link	3,705	PO	Active	
30-015-25040	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	158	8/31/1995			No	link	4,049	PO	Temporarily Abandoned	
30-015-25040	WISER OIL CO (THE)	EDDY	S:22, T:17S, R:31E	SKELLY UNIT	158	10/3/1984	3,900		No	link	4,049	PO	Temporarily Abandoned	7 RIVERS, GRAYBURG
30-015-02064	STEVENS OPERATING CORPORATION or HANAGAN PETROLEUM CORP	EDDY	S:28, T:18S, R:28E	PRE- ONGARD WELL	004	1/1/1970			No	link		O	Active	MOREXCO /TWIN LAKES



Not To Scale

COG OPERATING LLC
Rig Layout-Closed Loop
System Skelly Unit 806

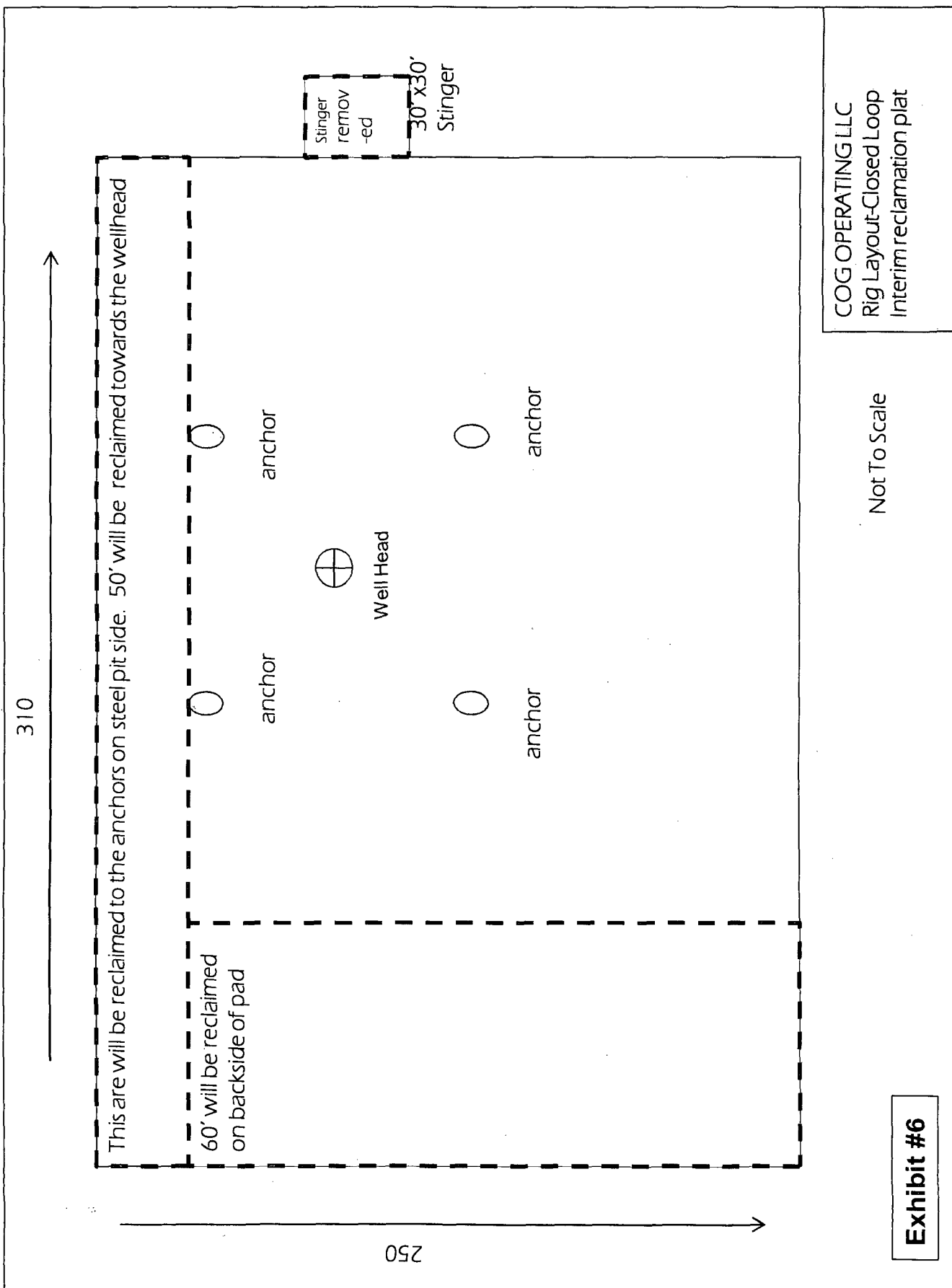


Exhibit #6

Not To Scale

COG OPERATING LLC
Rig Layout-Closed Loop
Interim reclamation plat