
Surface Use & Operating Plan

JC Federal #37

- Surface Tenant: Olane Caswell, 1702 Gillham, Brownfield, TX 79316
- New Road: approx. 352'
- Flow Line: approx. 0.75 miles
- Facilities: J C 27 Federal Tank Battery

Well Site Information

V Door: North

Topsoil: West

Interim Reclamation: West/ North

Notes

-Pit side 100' b/c powerline

Onsite: 2/7/2011

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 County Road #L-126 (Maljamar Road) and Conoco Road, go west on Conoco Rd. approx. 0.4 miles. Turn left and go south approx. 0.15 miles to the existing COG Operating, LLC, JC Federal #29 well. From the southwest pad line, follow proposed road survey stakes southeast approx. 352 feet. This location stake is approx. 128 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. 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 352' 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 J C 27 Federal Tank Battery located at the J C Federal #27 well location. 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 J C Federal Tank Battery located at the J C Federal #27 well location @ 2340 FSL & 990 FWL, Section 22, T17S, R32E. The flowline will be SDR 7 3" poly line laid on the surface and will be approximately 0.75 miles 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 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 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 Northwest. 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 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 re-seeded 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 for this site is Olane Caswell, 1702 Gillham, Brownfield, TX 79316.
- 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. A 1 foot berm around location perimeter will be necessary to protect aquifer recharge area nearby.
- C. There is no permanent or live water in the immediate area.
- D. There are no dwellings within 2 miles of this location.
- E. 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)

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 10th day of April, 2011.

Signed: _____



Printed Name: Carl Bird

Position: Drilling Engineer

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

Telephone: (432) 683-7443

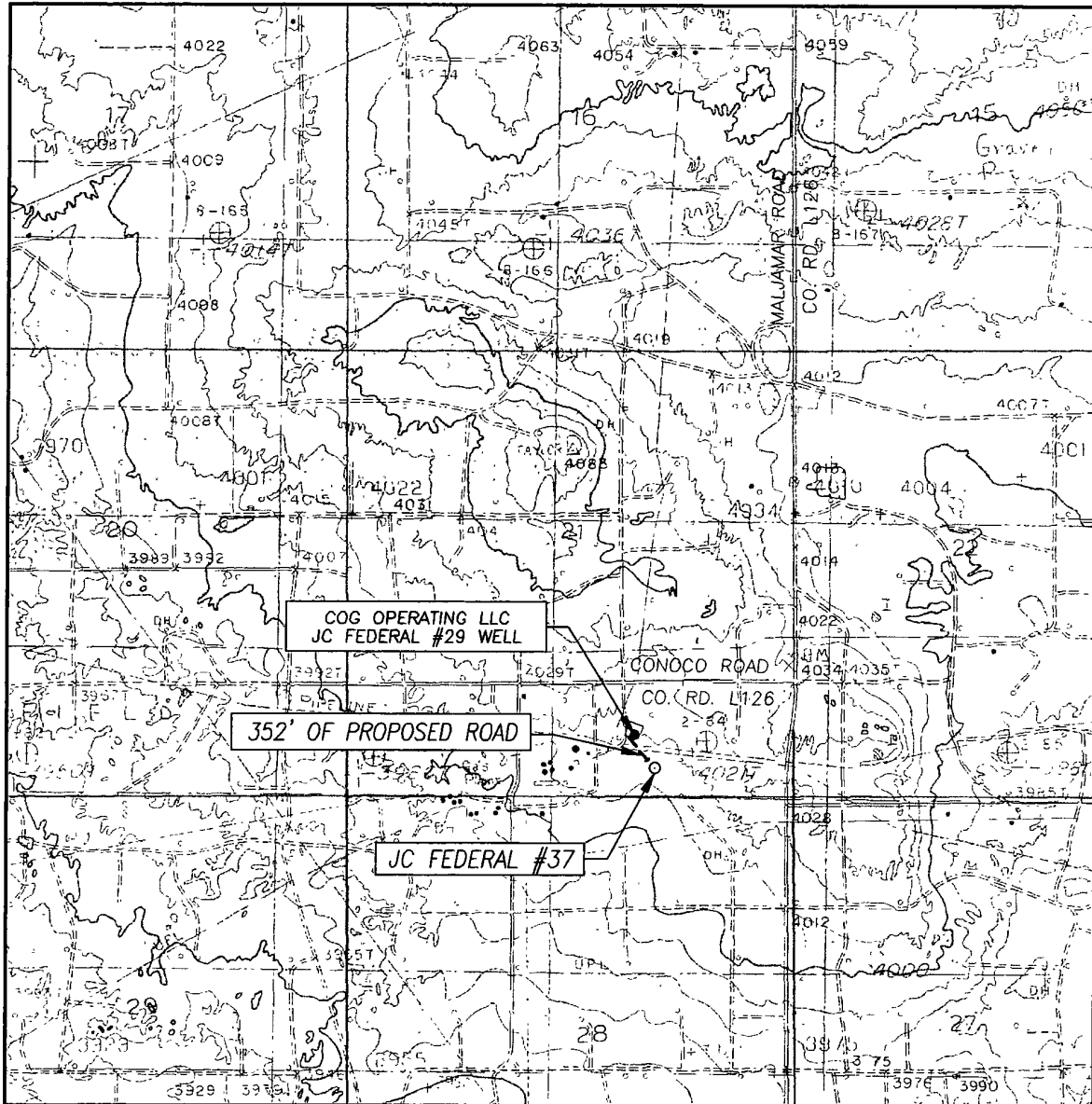
Field Representative (if not above signatory): Same

E-mail: cbird@conchoresources.com

Exhibits:

- Exhibit #1 Wellsite and Elevation Plat**
Form C-102 Well location and acreage dedication plat
- Exhibit #2 Topographic Map (West)**
- Exhibit #3 Vicinity Map and area roads**
- Exhibit #4 Elevation Plat (West)**
- Exhibit #5 Topographic extract showing wells, roads and flowlines**
- Exhibit #6 Pad Layout and orientation**
- Exhibit #7 H2S Signage**
- Exhibit #8 H2S Equipment location**
- Exhibit #9 BOP and Choke diagrams**
- Exhibit #10 Form C-144 NMOCD pit permit application**
- Exhibit #11 1 Mile Radius List and Map showing all wells permitted,
producing and plugged**

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 21 TWP. 17-S RGE. 32-E

SURVEY N.M.P.M

COUNTY LEA STATE NEW MEXICO

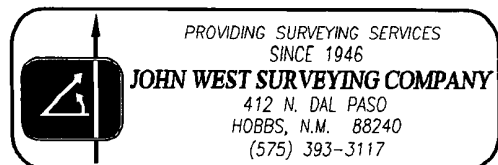
DESCRIPTION 330' FSL & 1650' FEL

ELEVATION 4015'

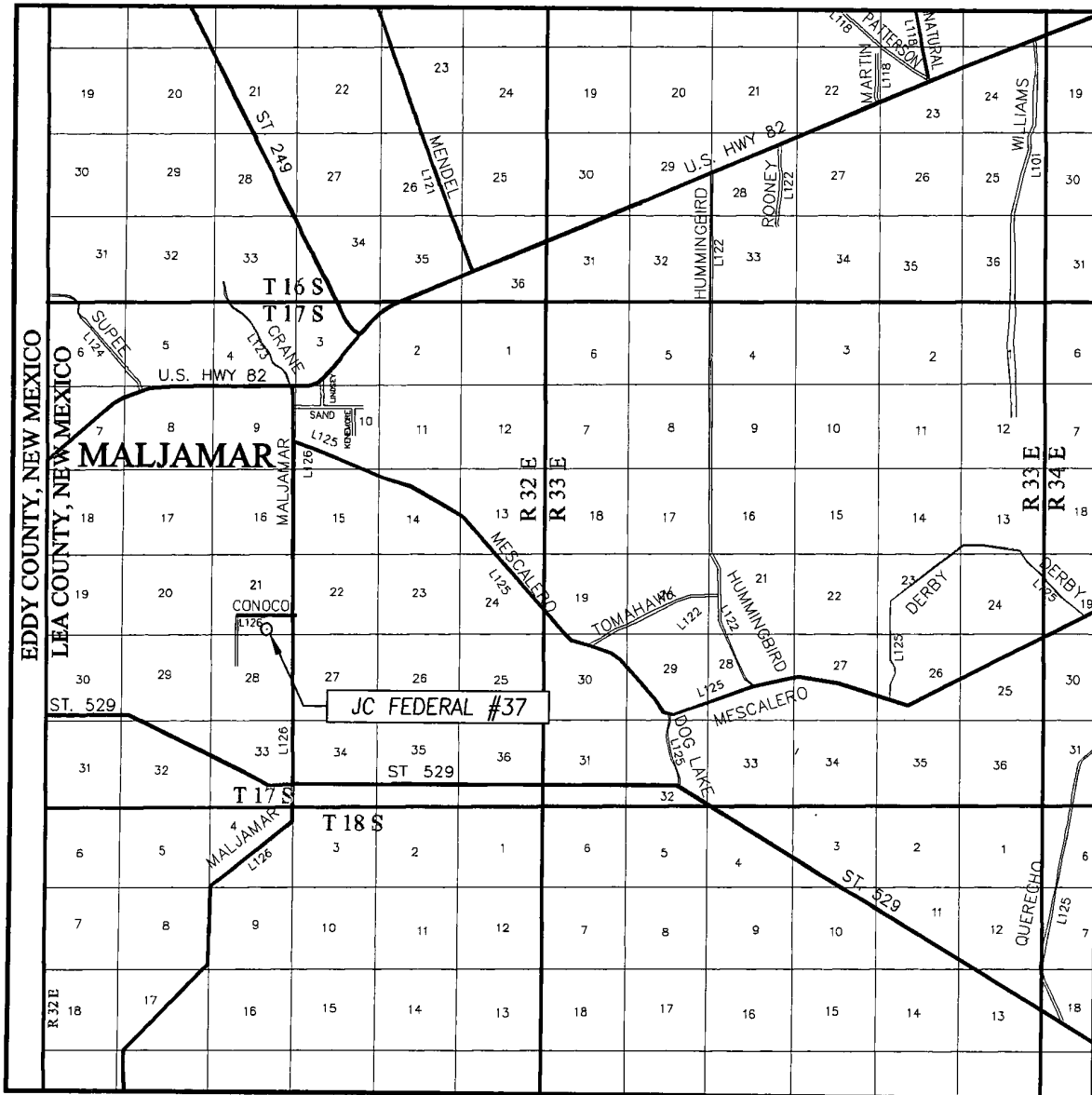
OPERATOR COG OPERATING, INC

LEASE JC FEDERAL

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

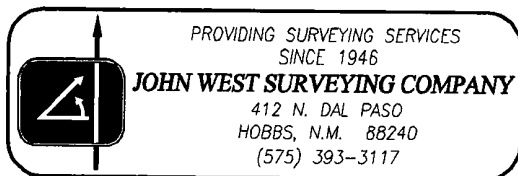


VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 21 TWP. 17-S RGE. 32-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 330' FSL & 1650' FEL
 ELEVATION 4015'
 OPERATOR COG OPERATING, LLC
 LEASE JC FEDERAL



Offset wells to JC Federal #37

API#	Operator	County	Legal	Lease	Well#	Date Issued	Permitted Depth	Permit TVD	Images	Doc	Total Depth	Well Type	Well Status	Permit#
30-025-40125	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	64	4/25/2011	7,112	7,100	Yes	link	7,112	PO	Active Permit	TEMP1058258513
30-025-40096	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	057	3/21/2011	7,247	7,200	Yes	link	7,247	PO	Active Permit	TEMP1454922003
30-025-39962	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	50	11/24/2010	7,000		Yes	link	7,000	PO	Active Permit	TEMP1975685329
30-025-39930	COG OPERATING LLC	LEA	S.22, T.17S, R.32E	JC FEDERAL	54	9/30/2010	7,231	7,200	Yes	link	7,231	PO	Active Permit	TEMP457711824
30-025-39931	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	56	9/30/2010	7,100		Yes	link	7,100	PO	Active Permit	TEMP961548993
30-025-39860	COG OPERATING LLC	LEA	S.22, T.17S, R.32E	JC FEDERAL	50	7/29/2010	7,115	7,100	Yes	link	7,115	PO	Active Permit	TEMP22645275
30-025-39861	COG OPERATING LLC	LEA	S.22, T.17S, R.32E	JC FEDERAL	52	7/29/2010	7,100		Yes	link	7,100	PO	Active Permit	TEMP1685469248
30-025-39862	COG OPERATING LLC	LEA	S.22, T.17S, R.32E	JC FEDERAL	53	7/29/2010	7,206	7,200	Yes	link	7,206	PO	Active Permit	TEMP2065032522
30-025-39863	COG OPERATING LLC	LEA	S.22, T.17S, R.32E	JC FEDERAL	55	7/29/2010	7,100		Yes	link	7,100	PO	Active Permit	TEMP1500915518
30-025-39864	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	61	7/29/2010	7,000		Yes	link	7,000	PO	Active Permit	TEMP1315265689
30-025-39867	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	63	7/29/2010	7,100		Yes	link	7,110	O	Active Permit	TEMP547612512
30-025-39874	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	51	7/29/2010	7,211	7,200	Yes	link	7,035	O	Active Permit	TEMP489061794
30-025-39875	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	55	7/29/2010	7,232	7,200	Yes	link	7,232	PO	Active Permit	TEMP122013615
30-025-39876	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	59	7/29/2010	7,213	7,200	Yes	link	7,213	PO	Active Permit	TEMP1026929348
30-025-39877	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	60	7/29/2010	7,221	7,200	Yes	link	7,221	PO	Active Permit	TEMP1375310993
30-025-39766	CONOCOPHILLIPS COMPANY	LEA	S.28, T.17S, R.32E	MCA UNIT	480	6/9/2010	4,298		Yes	link	4,298	PO	Active Permit	TEMP1020076668
30-025-39767	CONOCOPHILLIPS COMPANY	LEA	S.28, T.17S, R.32E	MCA UNIT	482	6/9/2010	4,150		Yes	link	4,134	O	Active Permit	TEMP871437710
30-025-39790	CONOCOPHILLIPS COMPANY	LEA	S.28, T.17S, R.32E	MCA UNIT	495	6/9/2010	4,140		Yes	link	4,140	PO	Active Permit	TEMP52445343
30-025-39684	COG OPERATING LLC	LEA	S.22, T.17S, R.32E	JC FEDERAL	42	2/9/2010	7,100		Yes	link	7,100	PO	Active Permit	TEMP1728815449
30-025-39628	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	46	12/22/2009			Yes	link		PO	Active Permit	TEMP183766246
30-025-39629	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	65	12/22/2009	7,000		Yes	link	7,000	PO	Active Permit	TEMP1150510647
30-025-39620	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	47	12/18/2009	7,100		Yes	link	7,100	PO	Active Permit	TEMP445636872
30-025-39616	COG OPERATING LLC	LEA	S.22, T.17S, R.32E	JC FEDERAL	45	12/12/2009	7,110	7,100	Yes	link	7,124	O	Active Permit	TEMP93534254
30-025-39619	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	MC FEDERAL	45	12/11/2009	7,000		Yes	link	7,010	O	Active Permit	TEMP1948456319
30-025-39614	COG OPERATING LLC	LEA	S.21, T.17S, R.32E	JC FEDERAL	36	12/9/2009	7,100		Yes	link	7,146	O	Active Permit	TEMP687570111
30-025-39618	COG OPERATING LLC	LEA	S.22, T.17S, R.32E	MC FEDERAL	43	12/9/2009	7,000		Yes	link	7,028	O	Active Permit	TEMP365054142

30-025-39612	COG OPERATING LLC	LEA	S:20, T:17S, R:32E	BC FEDERAL	53	12/4/2009	7,100		Yes	link	7,100	PO	Active Permit	TEMP914263798
30-025-39542	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	JC FEDERAL	34	10/2/2009	7,000		Yes	link	6,995	O	Active Permit	TEMP1647500050
30-025-39506	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	JC FEDERAL	35	8/23/2009	7,100		Yes	link	7,107	O	Active Permit	TEMP466223592
30-025-39507	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	44	8/23/2009	7,000		Yes	link	7,000	O	Active Permit	TEMP158533572
30-025-39515	COG OPERATING LLC	LEA	S:20, T:17S, R:32E	GC FEDERAL	39	8/23/2009	7,000		Yes	link	7,020	O	Active Permit	TEMP1263446901
30-025-39500	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	M C FEDERAL	66	8/12/2009	7,200		Yes	link	7,025	O	Active Permit	TEMP734772617
30-025-39499	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	49	8/12/2009	7,000		Yes	link	7,000	PO	Active Permit	TEMP1850613653
30-025-39471	COG OPERATING LLC	LEA	S:20, T:17S, R:32E	GC FEDERAL	38	7/22/2009	7,138	7,100	Yes	link	7,129	O	Active Permit	TEMP962979159
30-025-39482	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	48	7/22/2009	7,100		Yes	link	7,100	PO	Active Permit	TEMP643842244
30-025-39480	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	49	7/22/2009	7,000		Yes	link	7,027	O	Active Permit	TEMP1002475312
30-025-39481	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	51	7/22/2009	7,158	7,150	Yes	link	7,158	PO	Active Permit	TEMP763187699
30-025-39478	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	39	7/16/2009	7,000		Yes	link	7,025	O	Active Permit	TEMP688910554
30-025-39424	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	41	5/20/2009	7,050		Yes	link	7,041	O	Active Permit	TEMP2056688917
30-025-39427	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	54	5/20/2009	7,100		Yes	link	7,100	PO	Active Permit	TEMP1928900869
30-025-39426	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	M C FEDERAL	53	5/20/2009	7,100		Yes	link	7,115	O	Active Permit	TEMP1621420848
30-025-39425	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	42	5/20/2009	7,050		Yes	link	7,084	O	Active Permit	TEMP1264162096
30-025-39410	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	473	5/19/2009	4,187		Yes	link	4,187	PO	Active Permit	TEMP1150882746
30-025-39409	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	472	5/19/2009	4,183		Yes	link	4,183	PO	Active Permit	TEMP1102978552
30-025-39423	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	M C FEDERAL	40	5/19/2009	7,013	7,000	Yes	link	7,013	PO	Active Permit	TEMP121036354
30-025-39402	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	481	5/15/2009	4,142		Yes	link	4,153	O	Active Permit	TEMP159476682
30-025-39403	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	485	5/15/2009	4,128		Yes	link	4,124	O	Active Permit	TEMP791477918
30-025-39470	COG OPERATING LLC	LEA	S:20, T:17S, R:32E	BC FEDERAL	59	5/7/2009	7,100		Yes	link	7,100	PO	Active Permit	TEMP437053396
30-025-39354	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA	484	2/24/2009	4,255		Yes	link	4,142	O	Active Permit	TEMP665756914
30-025-39356	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA	487	2/23/2009	4,242		Yes	link	4,170	O	Active Permit	TEMP1222434533
30-025-39351	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA	478	2/23/2009	4,317		Yes	link	4,200	O	Active Permit	TEMP507644253
30-025-39352	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA	479	2/23/2009	4,300		Yes	link	4,150	O	Active Permit	TEMP1036143101
30-025-39353	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA	483	2/23/2009	4,278		Yes	link	4,208	O	Active Permit	TEMP1973302766
30-025-39355	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA	486	2/23/2009	4,273		Yes	link	4,206	O	Active Permit	TEMP1691865262

30-025-39293	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	39	12/4/2008	7,000		Yes	link	7,040	O	Active Permit	TEMP824449334
30-025-39292	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	38	12/4/2008	7,000		Yes	link	7,035	O	Active Permit	TEMP1425686257
30-025-39263	COG OPERATING LLC	LEA	S:20, T:17S, R:32E	GC FEDERAL	25	11/13/2008	7,000		Yes	link	7,010	O	Active Permit	TEMP1396235185
30-025-39247	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	27	10/3/2008	7,300		Yes	link	7,040	O	Active Permit	TEMP994102013
30-025-39169	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	31	8/26/2008	7,300		Yes	link	7,135	O	Active Permit	TEMP790422455
30-025-39167	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	JC FEDERAL	029	8/26/2008	7,100		Yes	link	7,134	O	Active Permit	TEMP1719227693
30-025-39168	COG OPERATING, L.L.C. or COG OPERATING LLC	LEA	S:21, T:17S, R:32E	JC FEDERAL	030	8/26/2008	7,100		Yes	link	7,120	O	Active Permit	TEMP1801822824
30-025-39163	COG. OPERATING, L.L.C. or COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	36	8/22/2008	7,012	7,000	Yes	link	7,012	PO	Active Permit	TEMP376947698
30-025-39170	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	32	8/19/2008	7,400		Yes	link	7,315	O	Active Permit	TEMP335332569
30-025-39166	COG OPERATING, L.L.C. or COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	28	8/19/2008	7,350		Yes	link	7,123	O	Active Permit	TEMP1986620483
30-025-39108	COG OPERATING L.L.C. or COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	37	8/13/2008	7,083	7,000	Yes	link	7,197	O	Active Permit	TEMP1324942646
30-025-39107	COG OPERATING L.L.C. or COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	35	8/8/2008	7,022	7,000	Yes	link	7,050	O	Active Permit	TEMP1595953344
30-025-39060	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	JC FEDERAL	26	7/24/2008	7,000		Yes	link	7,010	O	Active Permit	TEMP2124241763
30-025-39059	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	JC FEDERAL	25	7/24/2008	7,000		Yes	link	7,017	O	Active Permit	TEMP203574730
30-025-39058	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	30	7/24/2008	7,000	7,000	Yes	link	7,030	O	Active Permit	TEMP1754268878
30-025-27068	COG OPERATING, LLC or COG OPERATING LLC	LEA	S:28, T:17S, R:32E	FEDERAL BI	1	7/23/2008	11,555		Yes	link	12,992	U	Temporarily Abandoned	TEMP811313632
30-025-39164	COG. OPERATING, L.L.C. or COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	23	7/18/2008	7,100		Yes	link	7,119	O	Active Permit	TEMP327205207
30-025-39002	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	34	6/13/2008	7,000		Yes	link	7,033	O	Active Permit	TEMP1483495478
30-025-39001	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	33	6/13/2008	7,000		Yes	link	7,138	O	Active Permit	TEMP740843613
30-025-39000	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	32	6/11/2008	7,012	7,000	Yes	link	7,042	O	Active Permit	TEMP1271478280
30-025-38996	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	27	6/11/2008	7,000	7,000	Yes	link	7,012	O	Active Permit	TEMP769109459
30-025-38997	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	28	6/11/2008	7,000	7,000	Yes	link	7,013	O	Active Permit	TEMP1618626891
30-025-38998	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	29	6/11/2008	7,000	7,000	Yes	link	7,000	PO	Active Permit	TEMP879503473
30-025-38999	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	MC FEDERAL	31	6/11/2008	7,000	7,000	Yes	link	7,050	O	Active Permit	TEMP115271648
30-025-38978	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	409	6/11/2008	4,470		Yes	link	4,320	O	Active Permit	TEMP618721861

30-025-38988	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	421	6/11/2008	4,430		Yes	link	4,322	O	Active Permit	TEMP26972596
30-025-38972	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	399	6/11/2008	4,455		Yes	link	4,348	O	Active Permit	TEMP2135065726
30-025-38986	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	418	6/11/2008	4,485		Yes	link	4,380	O	Active Permit	TEMP285888724
30-025-38973	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	400	6/11/2008	4,450		Yes	link	4,285	O	Active Permit	TEMP1972704368
30-025-38983	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	415	6/11/2008	4,385		Yes	link	4,412	O	Active Permit	TEMP477252147
30-025-38984	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	416	6/11/2008	4,575		Yes	link	4,465	O	Active Permit	TEMP1974507163
30-025-38979	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	410	6/11/2008	4,450		Yes	link	4,304	O	Active Permit	TEMP943575167
30-025-38987	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	419	6/11/2008	4,495		Yes	link	4,375	O	Active Permit	TEMP922698612
30-025-39087	COG OPERATING L L C or COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	20	6/10/2008	7,000	7,000	Yes	link	7,048	O	Active Permit	TEMP934917499
30-025-39088	COG OPERATING L L C or COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	21	6/10/2008	7,000	7,000	Yes	link	7,015	O	Active Permit	TEMP1939250375
30-025-39431	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	477	5/22/2008	4,207		Yes	link	4,207	PO	Active Permit	TEMP1206221085
30-025-38835	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	302519	3/26/2008	7,300		Yes	link	7,055	O	Active Permit	TEMP1546954227
30-025-38836	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	16	3/26/2008	7,100		Yes	link	6,961	O	Active Permit	TEMP1172809730
30-025-38830	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	18	3/25/2008	7,100		Yes	link	7,007	O	Active Permit	TEMP1862436265
30-025-38832	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	25	3/25/2008	7,000		Yes	link	7,027	O	Active Permit	TEMP1216714909
30-025-38833	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	26	3/25/2008	7,000		Yes	link	7,035	O	Active Permit	TEMP1627578823
30-025-38831	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	17	3/25/2008	7,100		Yes	link	7,046	O	Active Permit	TEMP566866382
30-025-38815	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	21	3/7/2008	7,400		Yes	link	7,020	O	Active Permit	TEMP1242078539
30-025-38776	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	17	2/14/2008	7,400		Yes	link	7,039	O	Active Permit	TEMP1713069490
30-025-38740	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	MC FEDERAL	19	2/2/2008	7,400		Yes	link	6,952	O	Active Permit	TEMP1225915053
30-025-38738	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	14	2/1/2008	7,400		Yes	link	7,015	O	Active Permit	TEMP654854095
30-025-38739	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	16	2/1/2008	7,300		Yes	link	7,021	O	Active Permit	TEMP806592438
30-025-38746	COG OPERATING LLC	LEA	S:20, T:17S, R:32E	BC FEDERAL	28	2/1/2008	7,300		Yes	link	7,033	O	Active Permit	TEMP1634582970
30-025-38728	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	18	1/25/2008	7,350		Yes	link	7,350	PO	Active Permit	TEMP104700395
30-025-38714	COG OPERATING LLC	LEA	S:20, T:17S, R:32E	BC FEDERAL	33	1/21/2008	7,200		Yes	link	7,200	PO	Active Permit	TEMP1397188814
30-025-38715	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	22	1/21/2008	7,400		Yes	link	6,920	O	Active Permit	TEMP1144979070
30-025-38716	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	23	1/21/2008	7,400		Yes	link	6,999	O	Active Permit	TEMP1862679703
	COG OPERATING			MC										

30-025-38717	LLC	LEA	S:21, T:17S, R:32E	FEDERAL	24	1/21/2008	7,400		Yes	link	7,042	O	Active Permit	TEMP1766771602
30-025-38703	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	20	1/11/2008	7,400		Yes	link	7,400	PO	Active Permit	TEMP124059230
30-025-34973	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	5	1/3/2008	7,100		Yes	link	6,908	O	Pumping	TEMP927215191
30-025-38551	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	13	9/13/2007	7,100		Yes	link	7,125	O	Active Permit	TEMP1834051233
30-025-38509	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	12	8/22/2007	7,100		Yes	link	7,012	O	Active Permit	TEMP665294874
30-025-38387	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	11	3/29/2007	7,000		Yes	link	7,015	O	Active Permit	TEMP1556894089
30-025-38262	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	MC FEDERAL	10	1/9/2007	7,000		Yes	link	7,000	O	Active	TEMP825574383
30-025-38038	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	407	7/28/2006	4,300		No	link	4,450	O	Active Permit	TMP0000000079893
30-025-37976	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	396	6/22/2006			No	link	4,450	O	Active Permit	TMP000000009966
30-025-37964	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	005	6/16/2006	10,500		No	link	7,100	O	Active Permit	TMP000000009923
30-025-37965	COG OPERATING LLC	LEA	S:22, T:17S, R:32E	JC FEDERAL	006	6/16/2006	10,500		No	link	10,500	PO	Active Permit	TMP000000009927
30-025-37967	COG OPERATING LLC	LEA	S:21, T:17S, R:32E	MC FEDERAL	009	6/16/2006	9,300		No	link	9,300	PO	Active Permit	TMP000000009929
30-025-37939	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	397	6/12/2006			No	link	4,460	O	Active Permit	TEMP1708635536
30-025-37940	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	403	6/8/2006	4,200		No	link	4,200	PO	Active Permit	TMP000000009891
30-025-37931	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	394	6/6/2006	3,800		No	link	4,445	O	Active Permit	TMP000000009654
30-025-37900	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	395	5/23/2006			No	link	4,488	O	Active Permit	TMP0000000079746
30-025-37879	CONOCOPHILLIPS COMPANY	LEA	S:29, T:17S, R:32E	MCA UNIT	393	5/17/2006	4,200		No	link	4,450	O	Active Permit	TMP0000000079710
30-025-37656	MACK ENERGY CORP	LEA	S:22, T:17S, R:32E	JC FEDERAL	4	1/19/2006	10,500		No	link	10,200	O	Active Permit	TMP0000000080053
30-025-34822	MACK ENERGY CORP	LEA	S:22, T:17S, R:32E	JC FEDERAL	001	6/5/2003			No	link		PO	Unknown	TEMP147618981
30-025-21489	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	177	1/1/2003	0		No	link	4,120	O	Pumping	TEMP1791137387
30-025-00618	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	BAISH A	003	1/1/2003			No	link		O	Pumping	TEMP481799974
30-025-00619	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	BAISH A	005	1/1/2003			No	link		O	Pumping	TEMP1781097010
30-025-20568	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	BAISH A	012	1/1/2003			No	link		O	Pumping	TEMP1807259935
30-025-30363	CONOCOPHILLIPS COMPANY	LEA	S:22, T:17S, R:32E	BAISH A	014	1/1/2003			No	link	12,504	O	Pumping	TEMP1932303328
30-025-27068	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	FEDERAL BI	001	1/1/2003			No	link	12,992	U	Temporarily Abandoned	TEMP2006371163
30-025-00603	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	043	1/1/2003			No	link		O	Pumping	TEMP2075980065
30-025-00605	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	045	1/1/2003			No	link	4,106	PI	Injection Well	TEMP1961709642
30-025-00606	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	047	1/1/2003	0		No	link	0	O	Pumping	TEMP667029593
	CONOCOPHILLIPS													

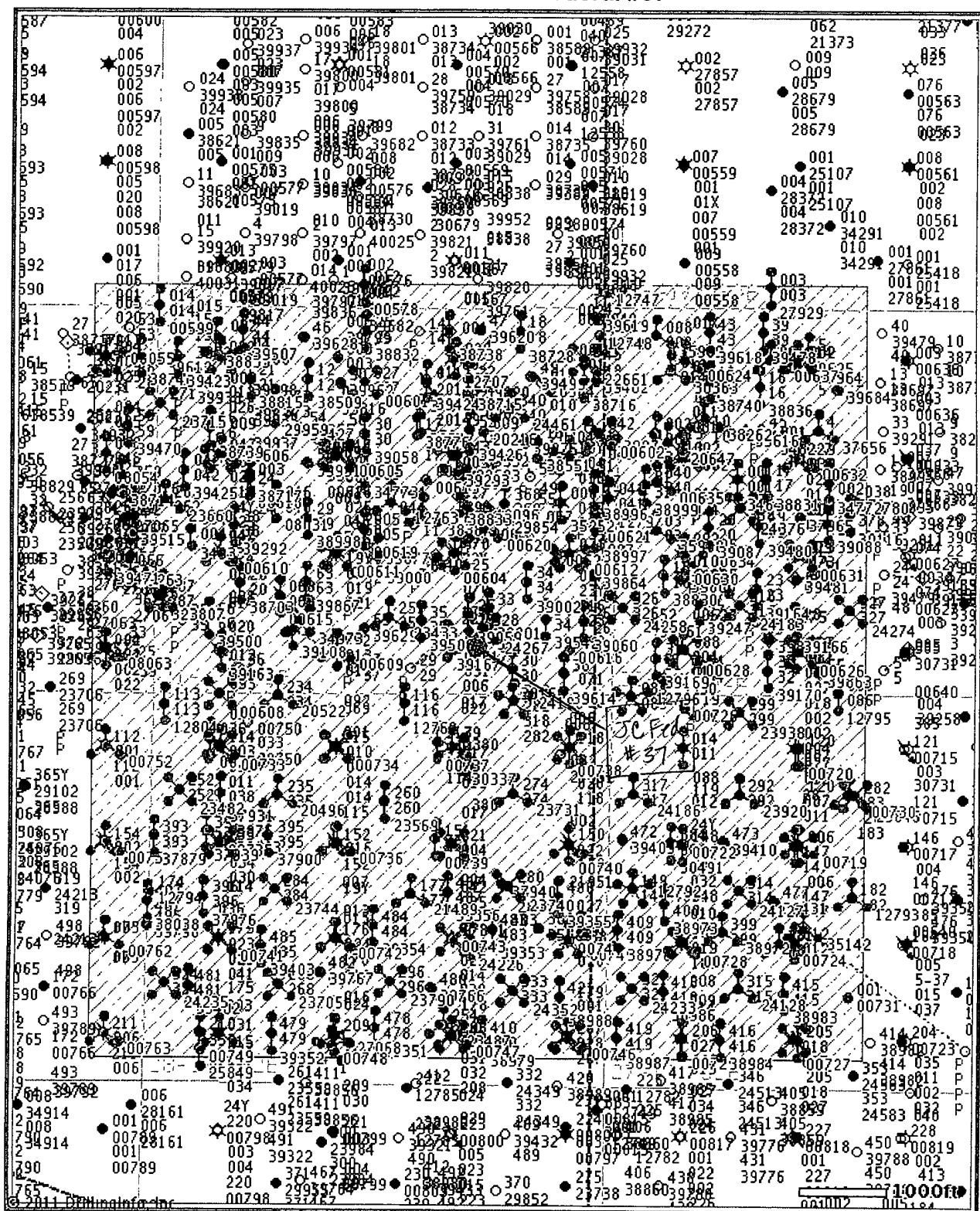
30-025-00607	COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	026	1/1/2003			No	link		PI	Injection Well	TEMP654332879
30-025-00608	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	093	1/1/2003	0		No	link	0	O	Pumping	TEMP541601452
30-025-00609	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	092	1/1/2003	0		No	link	4,082	O	Pumping	TEMP809001937
30-025-00610	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	067	1/1/2003	0		No	link	4,125	I	Injection Well	TEMP788610246
30-025-00611	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	069	1/1/2003	0		No	link	0	O	Pumping	TEMP1051778493
30-025-00612	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	071	1/1/2003			No	link	4,131	O	Pumping	TEMP1038697031
30-025-00628	CONOCOPHILLIPS COMPANY	LEA	S:22, T:17S, R:32E	MCA UNIT	088	1/1/2003	0		No	link	0	O	Pumping	TEMP1206062802
30-025-00631	CONOCOPHILLIPS COMPANY	LEA	S:22, T:17S, R:32E	MCA UNIT	073	1/1/2003	0		No	link	4,112	O	Pumping	TEMP101698709
30-025-00720	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	120	1/1/2003	0		No	link	4,119	O	Pumping	TEMP374116255
30-025-00724	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	181	1/1/2003			No	link	4,094	PO	Pumping	TEMP131339699
30-025-00728	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	180	1/1/2003	0		No	link	4,170	I	Injection Well	TEMP230604915
30-025-00729	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	206	1/1/2003	0		No	link	0	O	Pumping	TEMP129135307
30-025-00730	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	183	1/1/2003	0		No	link	4,205	O	Active	TEMP4476663
30-025-00733	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	114	1/1/2003			No	link	4,071	O	Injection Well	TEMP1322522293
30-025-00734	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	115	1/1/2003	0		No	link	0	O	Pumping	TEMP1335603756
30-025-00736	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	152	1/1/2003			No	link	4,125	I	Injection Well	TEMP1047811579
30-025-00738	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	118	1/1/2003	0		No	link	4,145	O	Pumping	TEMP1088210213
30-025-00739	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	151	1/1/2003			No	link	4,112	PO	Pumping	TEMP1212868857
30-025-00740	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	150	1/1/2003	0		No	link	4,095	I	Injection Well	TEMP911995217
30-025-00741	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	175	1/1/2003			No	link		I	Plugged	TEMP938542891
30-025-00742	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	176	1/1/2003	0		No	link	4,032	O	Pumping	TEMP671142406
30-025-00745	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	382	1/1/2003	0		No	link	9,680	O	Pumping	TEMP697305331
30-025-00746	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	207	1/1/2003	0		No	link	4,005	I	Injection Well	TEMP796570547
30-025-00753	CONOCOPHILLIPS COMPANY	LEA	S:29, T:17S, R:32E	MCA UNIT	154	1/1/2003	0		No	link	4,057	I	Injection Well	TEMP2109333794
30-025-00762	CONOCOPHILLIPS COMPANY	LEA	S:29, T:17S, R:32E	MCA UNIT	173	1/1/2003	0		No	link	4,215	O	Pumping	TEMP1995063371
30-025-00763	CONOCOPHILLIPS COMPANY	LEA	S:29, T:17S, R:32E	MCA UNIT	211	1/1/2003	0		No	link	0	I	Injection Well	TEMP1626089176
30-025-08031	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	046	1/1/2003	0		No	link	0	O	Pumping	TEMP2123673605
30-025-08054	CONOCOPHILLIPS COMPANY	LEA	S:20, T:17S, R:32E	MCA UNIT	048	1/1/2003			No	link		PI	Injection Well	TEMP1585409894
	CONOCOPHILLIPS													

30-025-08063	COMPANY	LEA	S 20, T:17S, R:32E	MCA UNIT	094	1/1/2003	0	No	link	0	I	Injection Well	TEMP1851197931
30-025-12707	CONOCOPHILLIPS COMPANY	LEA	S 21, T 17S, R:32E	MCA UNIT	028	1/1/2003		No	link	4,117	PI	Temporarily Abandoned	TEMP1601111145
30-025-12763	CONOCOPHILLIPS COMPANY	LEA	S 21, T:17S, R:32E	MCA UNIT	044	1/1/2003		No	link	4,066	O	Active	TEMP1464198666
30-025-12769	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R 32E	MCA UNIT	116	1/1/2003		No	link	4,119	O	Pumping	TEMP1707359971
30-025-12792	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	149	1/1/2003		No	link	4,204	O	Pumping	TEMP2059789963
30-025-12793	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R 32E	MCA UNIT	182	1/1/2003		No	link	4,070	O	Temporarily Abandoned	TEMP734714751
30-025-12795	CONOCOPHILLIPS COMPANY	LEA	S:22, T:17S, R:32E	MCA UNIT	086	1/1/2003		No	link	4,099	O	Pumping	TEMP712784064
30-025-12804	CONOCOPHILLIPS COMPANY	LEA	S 28, T:17S, R:32E	MCA UNIT	113	1/1/2003	0	No	link	4,072	O	Pumping	TEMP955560620
30-025-20496	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	235	1/1/2003	0	No	link	4,182	O	Pumping	TEMP830901976
30-025-20522	CONOCOPHILLIPS COMPANY	LEA	S:21, T 17S, R:32E	MCA UNIT	234	1/1/2003	0	No	link	4,100	O	Pumping	TEMP818205263
30-025-22661	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	245	1/1/2003		No	link	4,130	O	Pumping	TEMP1087529493
30-025-23433	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R 32E	MCA UNIT	251	1/1/2003		No	link		O	Pumping	TEMP1330306049
30-025-23482	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R 32E	MCA UNIT	252	1/1/2003	0	No	link	4,100	O	Pumping	TEMP1289907414
30-025-23487	CONOCOPHILLIPS COMPANY	LEA	S 28, T:17S, R:32E	MCA UNIT	254	1/1/2003	0	No	link	0	O	Active	TEMP1263744489
30-025-23569	CONOCOPHILLIPS COMPANY	LEA	S 28, T 17S, R:32E	MCA UNIT	260	1/1/2003	0	No	link	4,129	O	Active	TEMP57098485
30-025-23705	CONOCOPHILLIPS COMPANY	LEA	S 28, T:17S, R 32E	MCA UNIT	268	1/1/2003	0	No	link	4,155	O	Active	TEMP29854766
30-025-23715	CONOCOPHILLIPS COMPANY	LEA	S:20, T:17S, R:32E	MCA UNIT	271	1/1/2003		No	link	4,121	O	Pumping	TEMP232617437
30-025-23731	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R 32E	MCA UNIT	274	1/1/2003		No	link	4,190	O	Active	TEMP475393993
30-025-23744	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R 32E	MCA UNIT	284	1/1/2003		No	link	4,150	O	Pumping	TEMP2042200306
30-025-23790	CONOCOPHILLIPS COMPANY	LEA	S 28, T:17S, R:32E	MCA UNIT	296	1/1/2003	0	No	link	4,180	O	Pumping	TEMP1824432429
30-025-23807	CONOCOPHILLIPS COMPANY	LEA	S:20, T 17S, R:32E	MCA UNIT	287	1/1/2003		No	link	4,120	O	Active	TEMP1581655873
30-025-23846	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	282	1/1/2003		No	link	4,184	O	Injection Well	TEMP1239723136
30-025-23938	CONOCOPHILLIPS COMPANY	LEA	S 27, T:17S, R:32E	MCA UNIT	299	1/1/2003	0	No	link	4,200	O	Pumping	TEMP1489809921
30-025-24127	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R 32E	MCA UNIT	314	1/1/2003	0	No	link	4,250	O	Pumping	TEMP446370904
30-025-24183	CONOCOPHILLIPS COMPANY	LEA	S:22, T 17S, R:32E	MCA UNIT	316	1/1/2003	0	No	link	4,200	O	Pumping	TEMP715695134
30-025-24186	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	317	1/1/2003	0	No	link	4,200	O	Pumping	TEMP683376226
30-025-24196	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	318	1/1/2003	0	No	link	4,200	O	Pumping	TEMP950776712
30-025-24226	CONOCOPHILLIPS COMPANY	LEA	S 28, T:17S, R:32E	MCA UNIT	301	1/1/2003	0	No	link	4,220	I	Injection Well	TEMP1056197910
	CONOCOPHILLIPS												

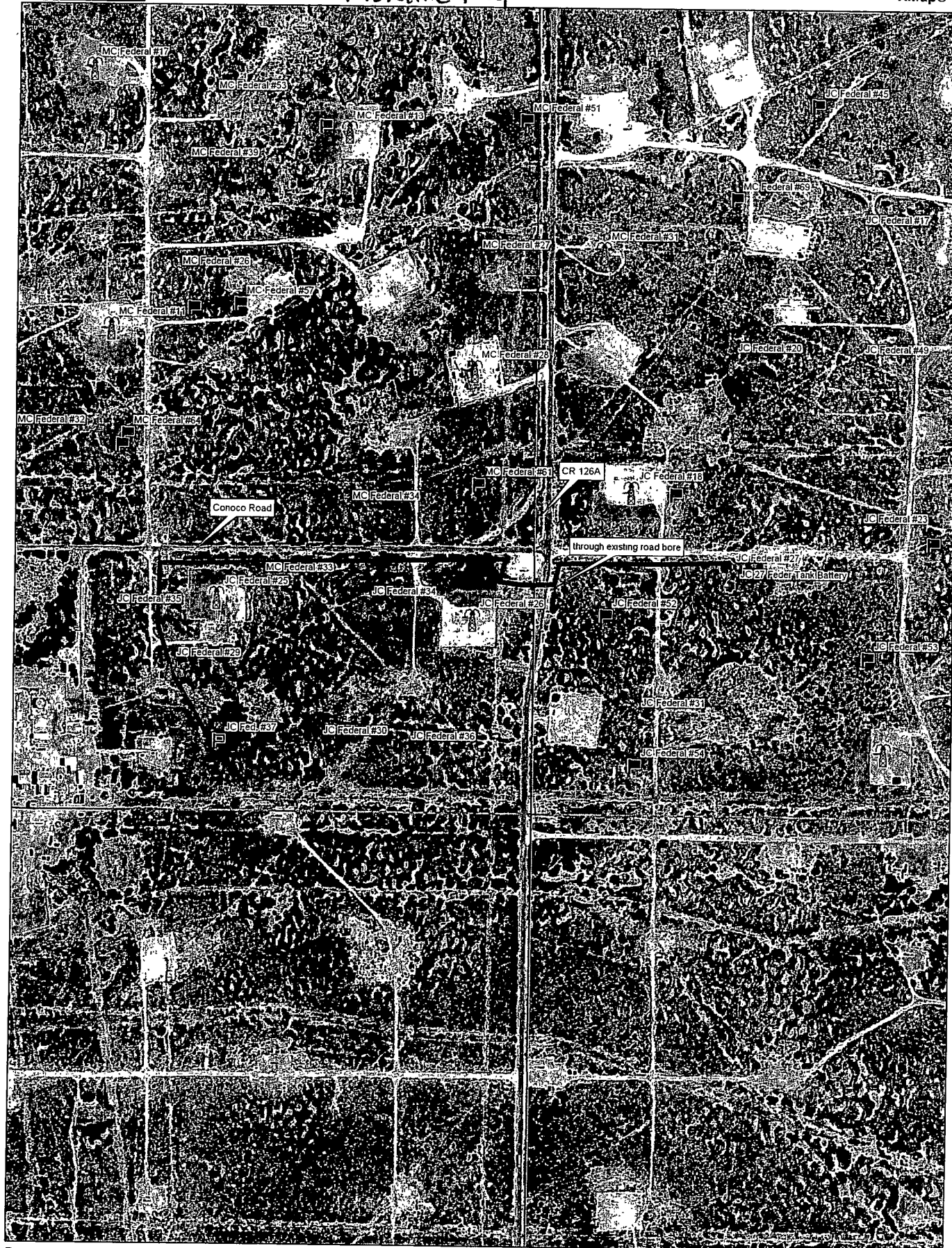
30-025-24233	COMPANY	LEA	S 27, T:17S, R:32E	MCA UNIT	321	1/1/2003	0		No	link	4,175	O	Pumping	TEMP1030034985
30-025-24235	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	324	1/1/2003	0		No	link	4,170	O	Pumping	TEMP315431919
30-025-24258	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	326	1/1/2003			No	link	4,250	O	Pumping	TEMP61882393
30-025-24267	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	328	1/1/2003			No	link	4,200	O	Pumping	TEMP106898015
30-025-24274	CONOCOPHILLIPS COMPANY	LEA	S:22, T:17S, R:32E	MCA UNIT	327	1/1/2003			No	link	4,200	O	Pumping	TEMP137417537
30-025-24352	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	333	1/1/2003	0		No	link	4,175	O	Pumping	TEMP227448779
30-025-24376	CONOCOPHILLIPS COMPANY	LEA	S:22, T:17S, R:32E	MCA UNIT	338	1/1/2003	0		No	link	4,150	O	Pumping	TEMP1159680040
30-025-24461	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	340	1/1/2003			No	link	4,175	O	Temporarily Abandoned	TEMP1057336833
30-025-25849	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	357	1/1/2003	0		No	link	4,150	O	Pumping	TEMP500989923
30-025-29854	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	368	1/1/2003			No	link	4,229	O	Active	TEMP623246363
30-025-29959	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	373	1/1/2003			No	link	4,350	PO	Pumping	TEMP394320767
30-025-30337	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	MCA UNIT	380	1/1/2003	0		No	link	4,110	I	Injection Well	TEMP27655065
30-025-30347	CONOCOPHILLIPS COMPANY	LEA	S:21, T:17S, R:32E	MCA UNIT	379	1/1/2003			No	link	4,220	PO	Pumping	TEMP66129955
30-025-30491	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	384	1/1/2003	0		No	link	4,200	O	Active	TEMP1399284894
30-025-35142	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	MCA UNIT	387	1/1/2003			No	link	3,988	PO	Flowing	TEMP1267700771
30-025-00751	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	QUEEN B	036	1/1/2003			No	link	10,005	O	Temporarily Abandoned	TEMP624124774
30-025-00719	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	QUEEN B	006	1/1/2003			No	link	4,150	O	Injection Well	TEMP52003160
30-025-08055	CONOCOPHILLIPS COMPANY	LEA	S:20, T:17S, R:32E	MITCHELL A	004	1/1/2003			No	link	4,129	G	Temporarily Abandoned	TEMP607584505
30-025-00632	CONOCOPHILLIPS COMPANY	LEA	S:22, T:17S, R:32E	MCA UNIT	039	12/31/2002			No	link		I	Active	TEMP1181951722
30-025-00751	CONOCOPHILLIPS COMPANY	LEA	S:28, T:17S, R:32E	QUEEN B	036	12/31/2002			No	link	10,005	O	Temporarily Abandoned	TEMP196946921
30-025-00719	CONOCOPHILLIPS COMPANY	LEA	S:27, T:17S, R:32E	QUEEN B	006	12/31/2002			No	link	4,150	O	Injection Well	TEMP1902923544
30-025-34795	MACK ENERGY CORPORATION or MACK ENERGY CORP	LEA	S:22, T:17S, R:32E	MC FEDERAL	002	10/24/2002			No	link		O	Active	TEMP994278473
30-025-34795	MACK ENERGY CORP	LEA	S:22, T:17S, R:32E	MC FEDERAL	002	9/30/2002			No	link		O	Active	TEMP436952427
30-025-35988	MACK ENERGY CORPORATION or MACK ENERGY CORP	LEA	S:22, T:17S, R:32E	J C FEDERAL	003	7/16/2002	6,000		No	link	7,020	O	Active	TEMP741100951
30-025-35989	MACK ENERGY CORPORATION or MACK ENERGY CORP	LEA	S:22, T:17S, R:32E	M C FEDERAL	008	7/15/2002	6,000		No	link	6,918	O	Active	TEMP609901576
30-025-35988	MACK ENERGY CORP	LEA	S:22, T:17S, R:32E	J C FEDERAL	003	6/30/2002			No	link	7,020	O	Active	TEMP1573048054

30-025-35989	MACK ENERGY CORP	LEA	S 22, T:17S, R:32E	MC FEDERAL	008	6/30/2002			No	link	6,918	O	Active	TEMP671577029
30-025-20647	MACK ENERGY CORP	LEA	S:22, T:17S, R:32E	MC FEDERAL	013	6/4/2002			No	link	9,958	O	Temporarily Abandoned	TEMP1598917823
30-025-35183	CONOCO, INC.	LEA	S:28, T 17S, R:32E	MCA UNIT	388	12/4/2001			No	link	3,942	O	Active	TEMP1351587387
30-025-35252	MACK ENERGY CORP	LEA	S:21, T:17S, R:32E	MC FEDERAL	006	4/23/2001			No	link	15,026	G	Pumping	TEMP99614466
30-025-35142	CONOCO INC	LEA	S:27, T:17S, R 32E	MCA UNIT	387	8/21/2000	6,300	4,200	Yes	link	3,988	PO	Flowing	TEMP620699274
30-025-32123	CONOCO INC. or CONOCO INC	LEA	S:28, T:17S, R:32E	MCA UNIT	387E	7/12/2000			No	link	99,999	O	Active	TEMP676218207
30-025-23740	CONOCO, INC.	LEA	S:28, T 17S, R 32E	MCA UNIT	280	6/28/2000			No	link	4,170	O	Injection Well	TEMP666866805
30-025-00630	CONOCO, INC	LEA	S:22, T:17S, R:32E	MCA UNIT	072	4/15/2000	0		No	link	0	I	Injection Well	TEMP1741989337
30-025-34933	MACK ENERGY CORP	LEA	S:21, T 17S, R:32E	MC FEDERAL	004	2/17/2000			No	link	5,982	O	Pumping	TEMP946554064
30-025-34973	MACK ENERGY CORPORATION or MACK ENERGY CORP	LEA	S:21, T 17S, R 32E	M C FEDERAL	005	2/7/2000			No	link	6,908	O	Pumping	TEMP514649158
30-025-34973	MACK ENERGY CORP	LEA	S:21, T:17S, R:32E	MC FEDERAL	005	1/31/2000			No	link	6,908	O	Pumping	TEMP615617123
30-025-34772	MACK ENERGY CORP	LEA	S:22, T:17S, R:32E	J C FEDERAL	002	11/23/1999			No	link	5,950	O	Pumping	TEMP1375667703
30-025-34773	MACK ENERGY CORP	LEA	S 21, T:17S, R:32E	MC FEDERAL	003	11/23/1999			No	link	5,952	O	Pumping	TEMP1251009060
30-025-34647	MACK ENERGY CORP	LEA	S:22, T:17S, R:32E	MC FEDERAL COM	001	6/2/1999			No	link	14,912	G	Pumping	TEMP747788147
30-025-00604	CONOCO, INC.	LEA	S:21, T:17S, R:32E	MCA UNIT	070	1/12/1999	0		No	link	0	I	Injection Well	TEMP682390866
30-025-24128	CONOCO, INC.	LEA	S:27, T:17S, R:32E	MCA UNIT	315	12/9/1998	0		No	link	4,260	O	Shut-in	TEMP1518193528
30-025-12796	CONOCO, INC	LEA	S:22, T:17S, R:32E	MCA UNIT	089	9/4/1997	0		No	link	0	O	Shut-in	TEMP728969553
30-025-23920	CONOCO, INC.	LEA	S 27, T 17S, R:32E	MCA UNIT	292	7/3/1997	0		No	link	4,200	O	Pumping	TEMP1957289260
30-025-00752	CONOCO, INC.	LEA	S:29, T:17S, R 32E	MCA UNIT	112	8/14/1996			No	link	4,072	O	Pumping	TEMP1792314060
30-025-00726	CONOCO, INC.	LEA	S:27, T:17S, R:32E	MCA UNIT	119	8/6/1996			No	link	4,150	I	Injection Well	TEMP1276750533
30-025-30116	CONOCO, INC	LEA	S 22, T:17S, R:32E	MCA UNIT	378	10/3/1995			No	link	4,200	O	Pumping	TEMP973954959
30-025-00615	CONOCO, INC.	LEA	S:21, T:17S, R:32E	MCA UNIT	068	9/27/1995			No	link		I	Temporarily Abandoned	TEMP1957448721
30-025-23660	CONOCO, INC.	LEA	S:21, T:17S, R 32E	MCA UNIT	262	9/14/1995			No	link	4,130	I	Pumping	TEMP566268744
30-025-00601	CONOCO, INC	LEA	S:21, T:17S, R:32E	MCA UNIT	027	9/12/1995			No	link	4,167	O	Pumping	TEMP862453351
30-025-00602	CONOCO, INC	LEA	S:21, T:17S, R:32E	MCA UNIT	042	9/6/1995			No	link		I	Temporarily Abandoned	TEMP567735694
30-025-12797	CONOCO, INC.	LEA	S:21, T:17S, R:32E	MCA UNIT	041	8/30/1995			No	link		O	Pumping	TEMP1931309866
30-025-27929	LYNX PETROLEUM CONSULTANTS INC	LEA	S 15, T 17S, R:32E	LYNX FEDERAL	003	2/1/1983			No	link	4,200	O	Pumping	TEMP525222681
30-025-00737	CONOCO, INC	LEA	S:28, T:17S, R:32E	MCA UNIT	117	1/1/1970			No	link	4,084	PO	Active	TEMP819988921
30-025-00749	CONOCO, INC.	LEA	S:28, T:17S, R 32E	MCA UNIT	210	1/1/1970			No	link		PO	Active	TEMP1019658276
30-025-23742	STEVENS OPERATING CORPORATION or HANAGAN PETROLEUM CORP	LEA	S:28, T 17S, R:32E	PRE-ONGARD WELL	282	1/1/1970			No	link		PO	Active Permit	TEMP1795789155

Offset wells to JC Federal #37



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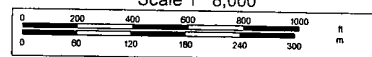
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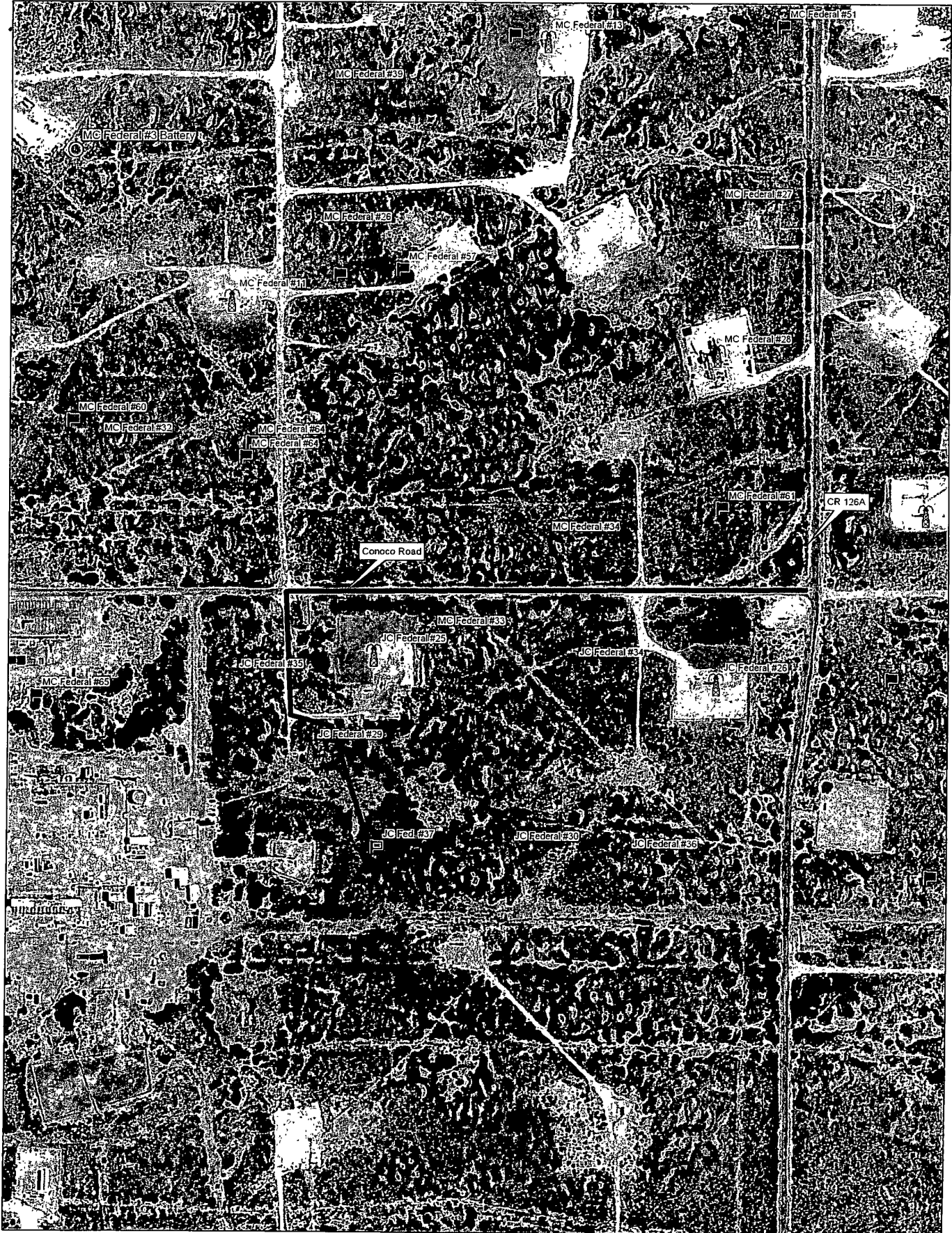
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Scale 1 : 8,000


$$1'' = 666.7 \text{ ft}$$

Data Zoom 14-6



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