

DATE IN <u>1-14-10</u>	SUSPENSE	ENGINEER <u>Brooks</u>	LOGGED IN <u>1/14/10</u>	TYPE <u>NSL</u>	APP NO. <u>1001431863</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



COG
VED OGD
GJ West Co-op V#248

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☒ Does Not Apply

INTEREST ARE THE SAME

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

ROBYN M. ODOM Print or Type Name	 Signature	REGULATORY ANALYST Title	1/12/10 Date
(432) 685-4385 Phone Number		rodom@conchoresources.com E-mail Address	

**G J West Coop Unit #248
Eddy County, NM**

COG is requesting to drill a vertical North ½, NW/4 40 acre spacing
GJ; 7RVS-QN-GB-GLORIETA-YESO oil well
TD of approximately 5550'

Non-standard Location:
330' FNL & 2405' FWL Sec 21, T17S, R29E, Unit C

This well had to be staked at a non-standard location due to buried pipe lines.

The plan for this well is to complete it in the Yeso formation.
We won't know the exact perms until we drill & log it, but it will be very similar to the G J West Coop Unit #149 which was drilled and is located 2310' FSL 2310' FWL, Section 21, T17S, R29E, Unit K.

The G J West Coop Unit #149 completion divided the Yeso up into 3 perf/stimulation intervals:

1st interval: 5153' – 5381',
acidized w/ 2500 gals,
frac'd w/ 6014 gals 40# gel, 30,777 gals 30# gel, 56,847 gals 40# gel, 8000# LiteProp, 74,940# 16/30 White Sand, 15,920# SiberProp 16/30 sand.

2nd interval: 4914' – 5050',
acidized w/ 1975 gals,
frac'd w/ 6002 gals 40# gel, 30,757 gals 30# gel, 47,321 gals 40# gel, 8000# LiteProp, 74,800# 16/30 sand & 15,700# SiberProp 16/30 sand.

3rd interval: 4613' – 4814',
acidized w/ 1850 gals,
frac'd w/ 93,882 gals gel, 8019# LiteProp, 74,900# 16/30 White Sand, 16,220# SiberProp.

Attachment 1

Plat & Map

Attachment 2

Map & legend of offset wells.

Attachment 3

Updated land plat showing that COG owns the offset acreage.
The acreage we are encroaching on is the NE/4 NE/4 of Section 21.

Interests are the same.

COG Operating LLC respectfully requests permission to have this NSL approved.

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

11885 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-	Pool Code 97558	Pool Name GJ: 7RVS-QN-GB-GLORIETA-YESO
Property Code 302497	Property Name GJ WEST COOP UNIT	Well Number 248
GRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3592'

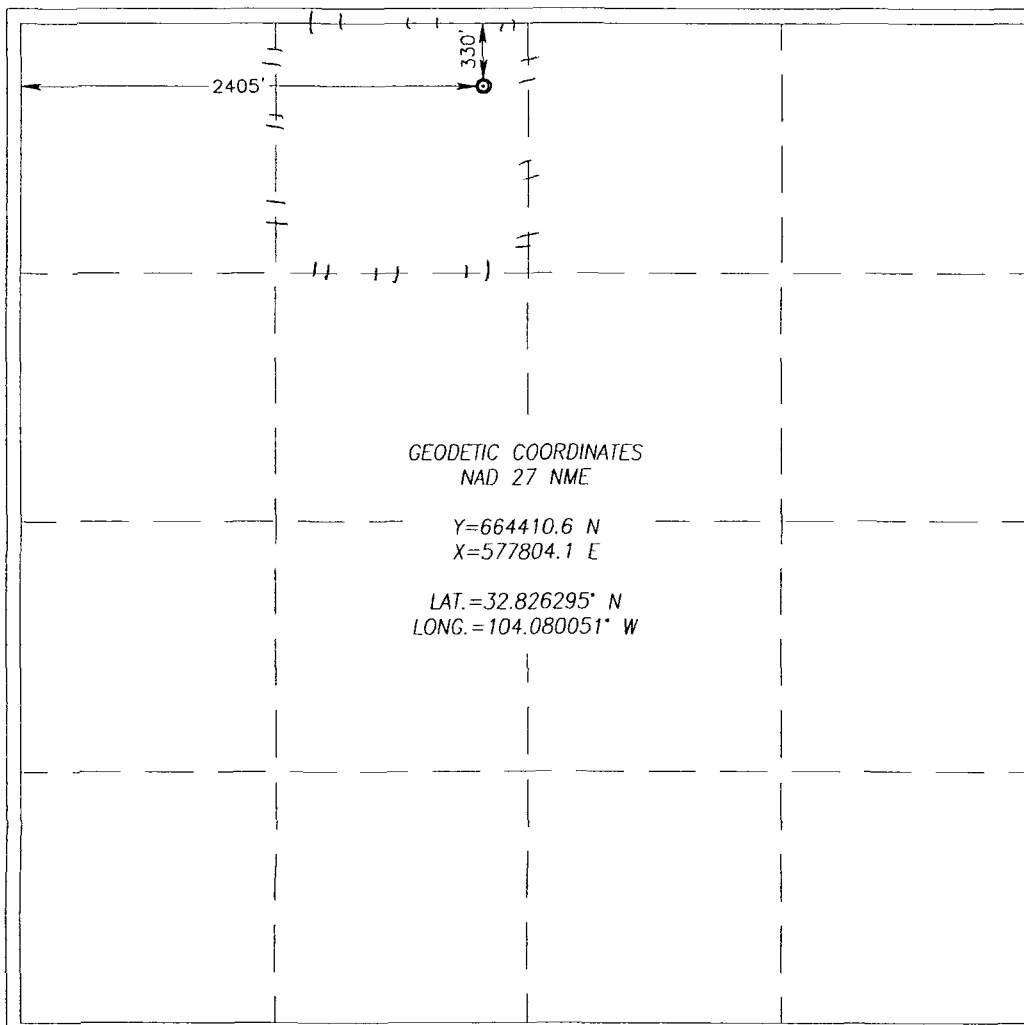
Surface Location

UL or lot No. C	Section 21	Township 17-S	Range 29-E	Lot Idn	Feet from the 330	North/South line NORTH	Feet from the 2405	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Robyn Odum
Date: 1/12/2010

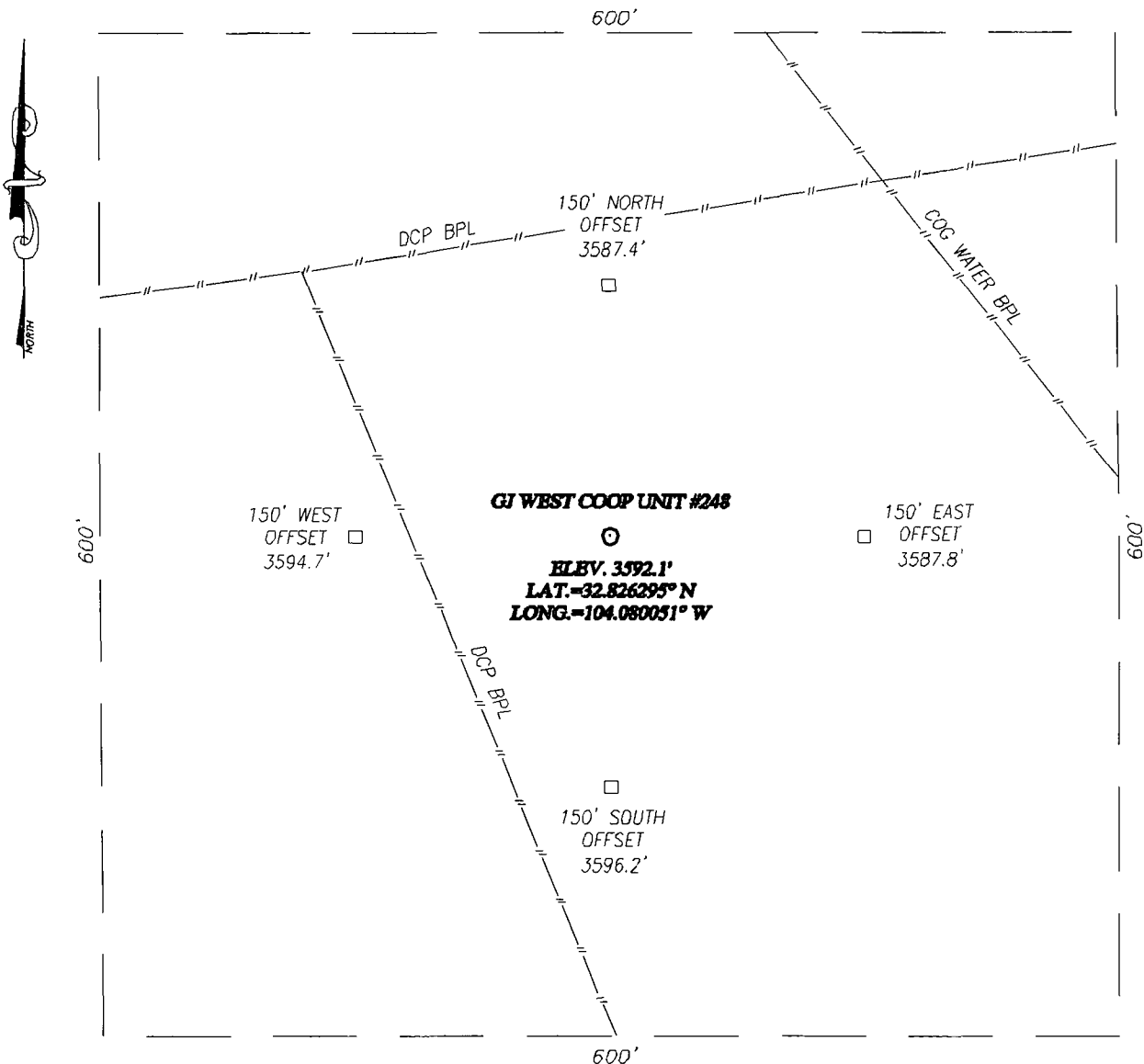
Printed Name: Robyn Odum

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

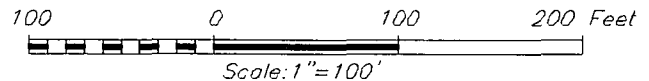
Date Surveyed: JANUARY 6, 2010
Signature & Seal of Professional Surveyor: RONALD J. EIDSON
Certificate No. GARY G. EIDSON 12841, RONALD J. EIDSON 3239

SECTION 21, 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. #212 (VALLEY GAS RD.), GO NORTHWEST ON LEASE RD. APPROX. 0.4 MILES. VEER RIGHT AND GO NORTH APPROX. 0.35 MILES. THIS LOCATION STAKE IS 370 FEET EAST OF LEASE RD.





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

COG OPERATING, LLC			
GJ WEST COOP UNIT #248 WELL LOCATED 330 FEET FROM THE NORTH LINE AND 2405 FEET FROM THE WEST LINE OF SECTION 21, TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO			
Survey Date: 01/06/10	Sheet 1 of 1 Sheets		
W.O. Number: 09.11.1255	Dr By: DSS	Rev 1:N/A	
Date: 01/08/10		09111255	Scale: 1"=100'

Offset Wells to G J West Coop Unit #248

API#	Operator	Lease	Well#	County	Legal	Field Name	Reservoir Name	Total Depth	Well Type	Well Status	First Prod.	Last Prod.
30-015-03019	MACK ENERGY CORP	G J WEST COOP UNIT	038	EDDY	S-21, T-17S, R-29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Pumping	Jan 1967	Dec 1977
30-015-03019	MACK ENERGY CORP	G J WEST COOP UNIT	038	EDDY	S-21, T-17S, R-29E	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Pumping	Jan 1969	Aug 1996
30-015-03021	MACK ENERGY CORP	G J WEST COOP UNIT	034	EDDY	S-21, T-17S, R-29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Temporarily Abandoned	Jan 1967	Jan 1971
30-015-03021	MACK ENERGY CORP	G J WEST COOP UNIT	034	EDDY	S-21, T-17S, R-29E	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Temporarily Abandoned	Jan 1969	Jan 1971
30-015-03026	MACK ENERGY CORP	G J WEST COOP UNIT	030	EDDY	S-21, T-17S, R-29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Pumping	Jan 1973	Dec 1977
30-015-03026	MACK ENERGY CORP	G J WEST COOP UNIT	030	EDDY	S-21, T-17S, R-29E	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Pumping	Jan 1966	Dec 1989
30-015-03028	COG OPERATING LLC	G J WEST COOP UNIT	024	EDDY	S-21, T-17S, R-29E	GRAYBURG JACKSON	SR-Q-G-SA	3,313	O	Active	Jan 1967	Apr 2007
30-015-10754	MACK ENERGY CORP	G J WEST COOP UNIT	033	EDDY	S-21, T-17S, R-29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,707	G	Flowing	Jan 1967	Oct 1967
30-015-10754	COG OPERATING LLC	G J WEST COOP UNIT	033	EDDY	S-21, T-17S, R-29E	GRAYBURG JACKSON	SR-Q-G-SA	3,707	G	Flowing	Feb 1966	Dec 1966
30-015-10797	COG OPERATING LLC	G J WEST COOP UNIT	023	EDDY	S-21, T-17S, R-29E	GRAYBURG JACKSON	SR-Q-G-SA	7,900	O	Pumping	Jan 1970	Apr 2007
30-015-10797	MACK ENERGY CORP	G J WEST COOP UNIT	023	EDDY	S-21, T-17S, R-29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		7,900	O	Pumping	Jan 1967	Dec 1977
30-015-10807	COG OPERATING LLC	G J WEST COOP UNIT	029	EDDY	S-21, T-17S, R-29E	GRAYBURG JACKSON	SR-Q-G-SA	2,855	G	Flowing		
30-015-10807	MACK ENERGY CORP	G J WEST COOP UNIT	029	EDDY	S-21, T-17S, R-29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,855	G	Flowing	Jan 1967	Oct 1967
30-015-10808	MACK ENERGY CORP	G J WEST COOP UNIT	032	EDDY	S-21, T-17S, R-29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Pumping	Jan 1967	Dec 1977
30-015-10808	COG OPERATING LLC	G J WEST COOP UNIT	032	EDDY	S-21, T-17S, R-29E	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Pumping	Jun 1966	Apr 2007
30-015-10809	MACK ENERGY CORP	G J WEST COOP UNIT	037	EDDY	S-21, T-17S, R-29E	GRAYBURG JACKSON	SR-Q-G-SA	2,900	O	Pumping	Jan 1970	Aug 1996

30-015-10809	MACK ENERGY CORP	G J WEST COOP UNIT	037	EDDY	S21, T:17S, R29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,900	O	Pumping		Jan 1969	Dec 1977
30-015-10810	MACK ENERGY CORP	G J WEST COOP UNIT	045	EDDY	S21, T:17S, R29E	GRAYBURG JACKSON	SR-Q-G-SA	2,848	O	Active		Jan 1970	Oct 2001
30-015-10810	MACK ENERGY CORP	G J WEST COOP UNIT	045	EDDY	S21, T:17S, R29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,848	O	Active		Jan 1967	Dec 1977
30-015-10811	MACK ENERGY CORP	G J WEST COOP UNIT	046	EDDY	S21, T:17S, R29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Pumping		Jan 1972	Dec 1977
30-015-10811	COG OPERATING LLC	G J WEST COOP UNIT	046	EDDY	S21, T:17S, R29E	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Pumping		Jan 1969	Apr 2007
30-015-10820	MACK ENERGY CORP	G J WEST COOP UNIT	022	EDDY	S21, T:17S, R29E	GRAYBURG JACKSON	SR-Q-G-SA	2,900	O	Plugged and Abandoned		Jan 1970	Jun 2005
30-015-10820	MACK ENERGY CORP	G J WEST COOP UNIT	022	EDDY	S21, T:17S, R29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,900	O	Plugged and Abandoned		Jan 1969	Aug 1971
30-015-10821	MACK ENERGY CORP	G J WEST COOP UNIT	036	EDDY	S21, T:17S, R29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,900	O	Pumping		Jan 1967	Dec 1977
30-015-10821	MACK ENERGY CORP	G J WEST COOP UNIT	036	EDDY	S21, T:17S, R29E	GRAYBURG JACKSON	SR-Q-G-SA	2,900	O	Pumping		Jan 1969	Sep 1996
30-015-10822	COG OPERATING LLC	G J WEST COOP UNIT	047	EDDY	S21, T:17S, R29E	GRAYBURG JACKSON	SR-Q-G-SA	2,720	G	Flowing			
30-015-10822	MACK ENERGY CORP	G J WEST COOP UNIT	047	EDDY	S21, T:17S, R29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,720	G	Flowing		Jan 1967	Oct 1967
30-015-10823	MACK ENERGY CORP	G J WEST COOP UNIT	035	EDDY	S21, T:17S, R29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,700	O	Pumping		Jan 1967	May 1973
30-015-10823	MACK ENERGY CORP	G J WEST COOP UNIT	035	EDDY	S21, T:17S, R29E	GRAYBURG JACKSON	SR-Q-G-SA	2,700	O	Pumping		Jan 1969	Aug 1996
30-015-20124	MACK ENERGY CORP	G J WEST COOP UNIT	48	EDDY	S21, T:17S, R29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		4,228	PO	Pumping			
30-015-20124	COG OPERATING LLC	G J WEST COOP UNIT	48	EDDY	S21, T:17S, R29E	GRAYBURG JACKSON	SR-Q-G-SA	4,228	PO	Pumping		Jan 1969	Apr 2007
30-015-20351	MACK ENERGY CORP	G J WEST COOP UNIT	123	EDDY	S21, T:17S, R29E	GRAYBURG JACKSON SR QN GB SA		7,005	O	Pumping		Jul 1994	Aug 2006
30-015-25383	COG OPERATING LLC	G J WEST COOP UNIT	069	EDDY	S21, T:17S, R29E	GRAYBURG JACKSON	SR-Q-G-SA	4,300	PO	Pumping		Jan 1993	Apr 2007
		G J											

30-015-25466	COG OPERATING LLC	WEST COOP UNIT	073	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,400	PO	Pumping	Jan 1993	Apr 2007
30-015-25469	COG OPERATING LLC	G J WEST COOP UNIT	78	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,413	PO	Pumping	Jan 1993	Apr 2007
30-015-25500	COG OPERATING LLC	G J WEST COOP UNIT	075	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,465	PO	Pumping	Jan 1993	Apr 2007
30-015-25610	COG OPERATING LLC	G J WEST COOP UNIT	82	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,465	O	Pumping	Jan 1993	Apr 2007
30-015-25633	COG OPERATING LLC	G J WEST COOP UNIT	080	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,490	PO	Pumping	Jan 1993	Apr 2007
30-015-25691	COG OPERATING LLC	G J WEST COOP UNIT	081	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,673	PO	Pumping	Jan 1993	Apr 2007
30-015-26743	COG OPERATING LLC	G J WEST COOP UNIT	79	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,490	PO	Pumping	Jul 1991	Apr 2007
30-015-26769	COG OPERATING LLC	G J WEST COOP UNIT	99	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,525	O	Pumping	Jan 1993	Apr 2007
30-015-26838	COG OPERATING LLC	G J WEST COOP UNIT	101	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,450	PO	Pumping	Dec 1991	Apr 2007
30-015-26889	COG OPERATING LLC	G J WEST COOP UNIT	102	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,450	PO	Pumping	Dec 1991	Apr 2007
30-015-26840	COG OPERATING LLC	G J WEST COOP UNIT	100	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	5,536	O	Pumping	Jan 1993	Apr 2007
30-015-27257	COG OPERATING LLC	G J WEST COOP UNIT	104	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	5,050	PO	Pumping	Jun 1993	Apr 2007
30-015-27259	COG OPERATING LLC	G J WEST COOP UNIT	106	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	5,050	O	Pumping	Jun 1993	Apr 2007
30-015-27358	COG OPERATING LLC	G J WEST COOP UNIT	113	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,450	PO	Pumping	Jun 1993	Apr 2007
30-015-27359	COG OPERATING LLC	G J WEST COOP UNIT	114	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	5,518	O	Pumping	Jun 1993	Apr 2007
30-015-27360	MACK ENERGY CORP	G J WEST COOP UNIT	115	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON SR ON GB SA	SR-Q-G-SA	4,758	O	Pumping	Jul 1993	Apr 2007
30-015-27362	MACK ENERGY CORP	G J WEST COOP UNIT	117	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON SR ON GB SA	SR-Q-G-SA	4,920	O	Pumping	Jul 1993	Apr 2007
		G J WEST			S:21,							

30-015-27363	COG OPERATING LLC	COOP UNIT	118	EDDY	T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	4,415	PO	Pumping	Jun 1993	Apr 2007
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-27364	COG OPERATING LLC	COOP UNIT	119	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	4,400	PO	Pumping	Jun 1993	Apr 2007
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-27377	MACK ENERGY CORP	COOP UNIT	107	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON SR ON GB SA			5,555	O	Pumping	Jul 1994	Apr 2007
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-27447	COG OPERATING LLC	COOP UNIT	120	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	4,420	PO	Pumping	Jun 1993	Apr 2007
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-28513	COG OPERATING LLC	COOP UNIT	131	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	5,562	O	Pumping	Aug 1995	Apr 2007
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-29180	COG OPERATING LLC	COOP UNIT	140	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	7,500	O	Pumping	Dec 1996	Apr 2007
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-29298	COG OPERATING LLC	COOP UNIT	141	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	5,530	O	Pumping	Mar 1997	Apr 2007
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-30874	EOG RESOURCES INC	CHASE STATE COM	1	EDDY	S:21, T:17S, R:29E	EMPIRE		MORROW, SOUTH (GAS)	11,150	U	Flowing		
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-27363		COOP UNIT	118	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	4,415	PO	Pumping	Jun 1993	Dec 1993
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-27362		COOP UNIT	117	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	4,920	O	Pumping	Jul 1993	Dec 1993
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-27360		COOP UNIT	115	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	4,758	O	Pumping	Jul 1993	Dec 1993
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-00000		COOP UNIT	098	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA		G	Active	Dec 1991	Dec 1993
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-27358		COOP UNIT	113	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	4,450	PO	Pumping	Jun 1993	Dec 1993
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-27359		COOP UNIT	114	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	5,518	O	Pumping	Jun 1993	Dec 1993
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-27447		COOP UNIT	120	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	4,420	PO	Pumping	Jun 1993	Dec 1993
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-25489		COOP UNIT	78	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	4,413	PO	Pumping	Jan 1986	Dec 1993
		G J WEST COOP UNIT			S:21, T:17S, R:29E								
30-015-25500		COOP UNIT	075	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON		SR-Q-G-SA	4,465	PO	Pumping	Jul 1986	Dec 1993
		G J WEST COOP UNIT			S:21, T:17S, R:29E								

30-015-26840	UT	100	EDDY	R29E	GRAYBURG JACKSON	SR-Q-G-SA	5.536	O	Pumping	Dec 1991	Dec 1993
	G J WEST COOP UT			S21, T:17S, R:29E							
30-015-27259		106	EDDY		GRAYBURG JACKSON	SR-Q-G-SA	5.060	O	Pumping	Aug 1993	Dec 1993
	G J WEST COOP UT			S21, T:17S, R:29E							
30-015-25633		080	EDDY		GRAYBURG JACKSON	SR-Q-G-SA	4.490	PO	Pumping	Feb 1991	Dec 1993
	G J WEST COOP UT			S21, T:17S, R:29E							
30-015-25610		82	EDDY		GRAYBURG JACKSON	SR-Q-G-SA	4.465	O	Pumping	Jun 1991	Dec 1993
	G J WEST COOP UT			S21, T:17S, R:29E							
30-015-25466		073	EDDY		GRAYBURG JACKSON	SR-Q-G-SA	4.400	PO	Pumping	Jan 1986	Dec 1993
	G J WEST COOP UT			S21, T:17S, R:29E							
30-015-25691		081	EDDY		GRAYBURG JACKSON	SR-Q-G-SA	4.673	PO	Pumping	Jan 1987	Dec 1993
	G J WEST COOP UT			S21, T:17S, R:29E							
30-015-26769		99	EDDY		GRAYBURG JACKSON	SR-Q-G-SA	4.525	O	Pumping	Aug 1991	Dec 1993
	G J WEST COOP UT			S21, T:17S, R:29E							
30-015-03026		030	EDDY		GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)	SR-Q-G-SA	0	O	Pumping	Jul 1967	Dec 1977
	G J WEST COOP UT			S21, T:17S, R:29E							
30-015-03026		030	EDDY		GRAYBURG JACKSON	SR-Q-G-SA	0	O	Pumping	Jan 1969	Jan 1979
	G J WEST COOP UT			S21, T:17S, R:29E							
30-015-25383		069	EDDY		GRAYBURG JACKSON	SR-Q-G-SA	4.300	PO	Pumping	Oct 1985	Dec 1993
				S21, T:17S, R:29E							
30-015-00000	STATE 21	001	EDDY		GRAYBURG	MORROW (GAS)		G	Active		
				S21, T:17S, R:29E							
30-015-33464	MACK ENERGY CORP	001	EDDY		GRAYBURG	MORROW (GAS)	13.000	G	Active	Jan 1953	Dec 1964
				S21, T:17S, R:29E							
30-015-33464	LEONARD OIL COMPANY	001	EDDY		GRAYBURG JACKSON	SR-Q-G-SA	13.000	G	Active	Jan 1955	Dec 1963
				S21, T:17S, R:29E							
30-015-00000	LEONARD OIL CO.	008	EDDY		GRAYBURG JACKSON	SR-Q-G-SA		O	Active	Jan 1948	Feb 1960
				S21, T:17S, R:29E							
30-015-00000	LEONARD OIL CO	015	EDDY		GRAYBURG JACKSON	SR-Q-G-SA		G	Active	Jul 1961	Dec 1964
				S21, T:17S, R:29E							
30-015-00000	COCKBURN, BARNEY	002	EDDY		RED LAKE POOL			O	Active	Aug 1955	Dec 1955
	MANA RESOURCES INCORPORATED	001	EDDY		GRAYBURG	MORROW		G	Active	Apr 1971	Dec 1971
	STATE 21 COM			S21, T:17S, R:29E							
30-015-33464	LEONARD OIL CO	001	EDDY		GRAYBURG JACKSON	SR-Q-G-SA	13.000	G	Active	Jan 1960	Dec 1960
				S21, T:17S, R:29E							
30-015-30874	COG OPERATING LLC	1	EDDY		SWD	CISCO	11.150	U	Flowing	Nov 2005	Oct 2009
				S21, T:17S, R:29E							
30-015-33464	COG OPERATING LLC	001	EDDY		RED LAKE	QUEEN-GRAYBURG-SA	13.000	G	Active		
				S21, T:17S, R:29E							

30-015-35724	COG OPERATING LLC	G J WEST COOP UNIT	173	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			5,625	O	Active Permit	Jan 2008	Oct 2009
30-015-35725	COG OPERATING LLC	G J WEST COOP UNIT	174	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			5,629	O	Active Permit	Dec 2007	Oct 2009
30-015-10754	COG OPERATING LLC	G J WEST COOP UNIT	033	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			3,707	G	Flowing	Jan 2005	Oct 2009
30-015-10807	COG OPERATING LLC	G J WEST COOP UNIT	029	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			2,855	G	Flowing	Jan 2005	Oct 2009
30-015-10822	COG OPERATING LLC	G J WEST COOP UNIT	047	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			2,720	G	Flowing	Jan 2005	Oct 2009
30-015-20351	COG OPERATING LLC	G J WEST COOP UNIT	123	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			7,005	O	Pumping	Jan 2005	Oct 2009
30-015-27259	COG OPERATING LLC	G J WEST COOP UNIT	106	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			5,050	O	Pumping	Jan 2005	Oct 2009
30-015-27360	COG OPERATING LLC	G J WEST COOP UNIT	115	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			4,758	O	Pumping	Jan 2005	Oct 2009
30-015-27362	COG OPERATING LLC	G J WEST COOP UNIT	117	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			4,920	O	Pumping	Jan 2005	Oct 2009
30-015-27377	COG OPERATING LLC	G J WEST COOP UNIT	107	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			5,555	O	Pumping	Jan 2005	Oct 2009
30-015-28513	COG OPERATING LLC	G J WEST COOP UNIT	131	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			5,562	O	Pumping	Jan 2005	Oct 2009
30-015-29180	COG OPERATING LLC	G J WEST COOP UNIT	140	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			7,500	O	Pumping	Jan 2005	Oct 2009
30-015-29298	COG OPERATING LLC	G J WEST COOP UNIT	141	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			5,530	O	Pumping	Jan 2005	Oct 2009
30-015-03028	COG OPERATING LLC	G J WEST COOP UNIT	024	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			3,313	O	Active	Jan 2005	Oct 2009
30-015-10797	COG OPERATING LLC	G J WEST COOP UNIT	023	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			7,900	O	Pumping	Jan 2005	Oct 2009
30-015-10808	COG OPERATING LLC	G J WEST COOP UNIT	032	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			0	O	Pumping	Jan 2005	Oct 2009
30-015-10811	COG OPERATING LLC	G J WEST COOP UNIT	046	EDDY	S 21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))			0	O	Pumping	Jan 2005	Oct 2009

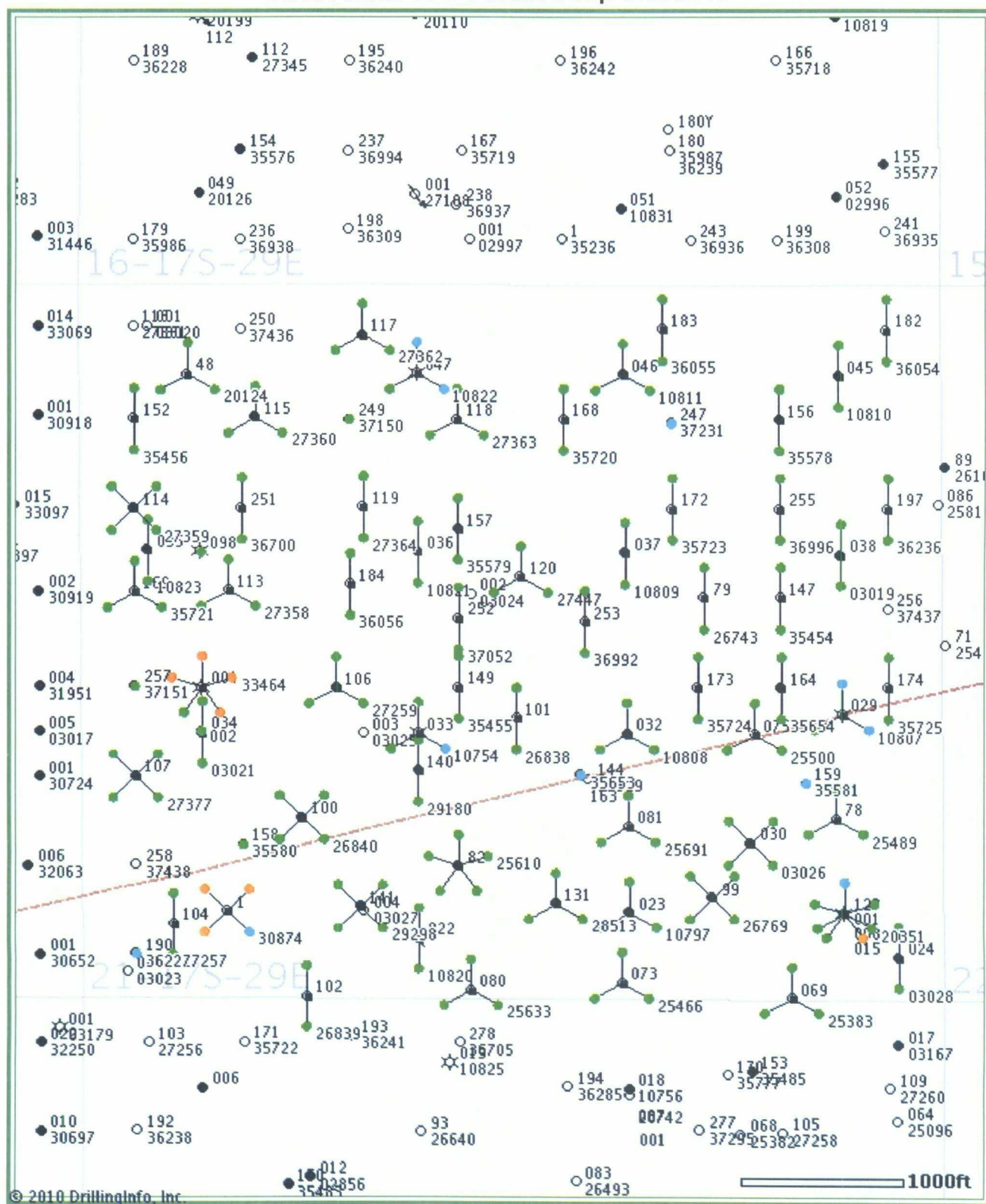
30-015-20124	COG OPERATING LLC	WEST COOP UNIT	48	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,228	PO	Pumping	Jan 2005	Oct 2009
30-015-25383	COG OPERATING LLC	G J WEST COOP UNIT	069	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,300	PO	Pumping	Jan 2005	Oct 2009
30-015-25466	COG OPERATING LLC	G J WEST COOP UNIT	073	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,400	PO	Pumping	Jan 2005	Oct 2009
30-015-25489	COG OPERATING LLC	G J WEST COOP UNIT	78	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,413	PO	Pumping	Jan 2005	Oct 2009
30-015-25500	COG OPERATING LLC	G J WEST COOP UNIT	075	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,465	PO	Pumping	Jan 2005	Oct 2009
30-015-25610	COG OPERATING LLC	G J WEST COOP UNIT	82	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,465	O	Pumping	Jan 2005	Oct 2009
30-015-25633	COG OPERATING LLC	G J WEST COOP UNIT	080	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,490	PO	Pumping	Jan 2005	Oct 2009
30-015-25691	COG OPERATING LLC	G J WEST COOP UNIT	081	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,673	PO	Pumping	Jan 2005	Oct 2009
30-015-26743	COG OPERATING LLC	G J WEST COOP UNIT	79	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,490	PO	Pumping	Jan 2005	Oct 2009
30-015-26769	COG OPERATING LLC	G J WEST COOP UNIT	99	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,525	O	Pumping	Jan 2005	Oct 2009
30-015-26838	COG OPERATING LLC	G J WEST COOP UNIT	101	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,450	PO	Pumping	Jan 2005	Oct 2009
30-015-26839	COG OPERATING LLC	G J WEST COOP UNIT	102	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,450	PO	Pumping	Jan 2005	Oct 2009
30-015-26840	COG OPERATING LLC	G J WEST COOP UNIT	100	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			5,536	O	Pumping	Jan 2005	Oct 2009
30-015-27257	COG OPERATING LLC	G J WEST COOP UNIT	104	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			5,050	PO	Pumping	Jan 2005	Oct 2009
30-015-27358	COG OPERATING LLC	G J WEST COOP UNIT	113	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,450	PO	Pumping	Jan 2005	Oct 2009
30-015-27359	COG OPERATING LLC	G J WEST COOP UNIT	114	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			5,518	O	Pumping	Jan 2005	Oct 2009
30-015-27363	COG OPERATING LLC	G J WEST COOP UNIT	118	EDDY	S'21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,415	PO	Pumping	Jan 2005	Oct 2009
		G J WEST			S'21,								

30-015-27364	COG OPERATING LLC	COOP UNIT	119	EDDY	T:17S, R:29E	WC GJ/7RVS-QN-GB-SA/GL-Y(PADDOCK)		4,400	PO	Pumping	Jan 2005	Oct 2009
30-015-27447	COG OPERATING LLC	G J WEST COOP UNIT	120	EDDY	S:21, T:17S, R:29E	WC GJ/7RVS-QN-GB-SA/GL-Y(PADDOCK)		4,420	PO	Pumping	Jan 2005	Oct 2009
30-015-35578	COG OPERATING LLC	G J WEST COOP UNIT	156	EDDY	S:21, T:17S, R:29E	WC GJ/7RVS-QN-GB-SA/GL-Y(PADDOCK)		5,625	O	Active	Aug 2007	Oct 2009
30-015-35654	COG OPERATING LLC	G J WEST COOP UNIT	164	EDDY	S:21, T:17S, R:29E	GJ: 7RVS-QN-GB-GLORIETA-YESO 97558		5,540	O	Active		
30-015-35720	COG OPERATING LLC	G J WEST COOP UNIT	168	EDDY	S:21, T:17S, R:29E	GJ: 7RVS-QN-GB-GLORIETA-YESO 97558		5,445	O	Active Permit		
30-015-35579	COG OPERATING LLC	G J WEST COOP UNIT	157	EDDY	S:21, T:17S, R:29E	WC GJ/7RVS-QN-GB-SA/GL-Y(PADDOCK)		6,116	O	Active	Sep 2007	Oct 2009
30-015-35721	COG OPERATING LLC	G J WEST COOP UNIT	169	EDDY	S:21, T:17S, R:29E	GJ: 7RVS-QN-GB-GLORIETA-YESO 97558		5,458	O	Active Permit		
30-015-35725	COG OPERATING LLC	G J WEST COOP UNIT	174	EDDY	S:21, T:17S, R:29E	GJ: 7RVS-QN-GB-GLORIETA-YESO 97558		5,629	O	Active Permit		
30-015-36054	COG OPERATING LLC	G J WEST COOP UNIT	182	EDDY	S:21, T:17S, R:29E	WC GJ/7RVS-QN-GB-SA/GL-Y(PADDOCK)		5,461	O	Active Permit	Apr 2008	Oct 2009
30-015-36055	COG OPERATING LLC	G J WEST COOP UNIT	183	EDDY	S:21, T:17S, R:29E	WC GJ/7RVS-QN-GB-SA/GL-Y(PADDOCK)		5,450	O	Active Permit	May 2008	Oct 2009
30-015-36056	COG OPERATING LLC	G J WEST COOP UNIT	184	EDDY	S:21, T:17S, R:29E	WC GJ/7RVS-QN-GB-SA/GL-Y(PADDOCK)		5,473	O	Active Permit	Jun 2008	Oct 2009
30-015-35721	COG OPERATING LLC	G J WEST COOP UNIT	169	EDDY	S:21, T:17S, R:29E	GJ: 7RVS-QN-GB-GLORIETA-YESO 97558		5,458	O	Active Permit		
30-015-35724	COG OPERATING LLC	G J WEST COOP UNIT	173	EDDY	S:21, T:17S, R:29E	GJ: 7RVS-QN-GB-GLORIETA-YESO		5,625	O	Active Permit		
30-015-35723	COG OPERATING LLC	G J WEST COOP UNIT	172	EDDY	S:21, T:17S, R:29E	GJ: 7RVS-QN-GB-GLORIETA-YESO		5,630	O	Active Permit		
30-015-36227	COG OPERATING LLC	G J WEST COOP UNIT	190	EDDY	S:21, T:17S, R:29E	WC GJ/7RVS-QN-GB-SA/GL-Y(PADDOCK)		5,500	PO	Active Permit		
30-015-36236	COG OPERATING LLC	G J WEST COOP UNIT	197	EDDY	S:21, T:17S, R:29E	WC GJ/7RVS-QN-GB-SA/GL-Y(PADDOCK)		5,458	O	Active Permit	Oct 2008	Oct 2009
30-015-27377	COG OPERATING LLC	G J WEST COOP UNIT	107	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	5,555	O	Pumping		
30-015-27377	COG OPERATING LLC	G J WEST COOP UNIT			S:21, T:17S,							

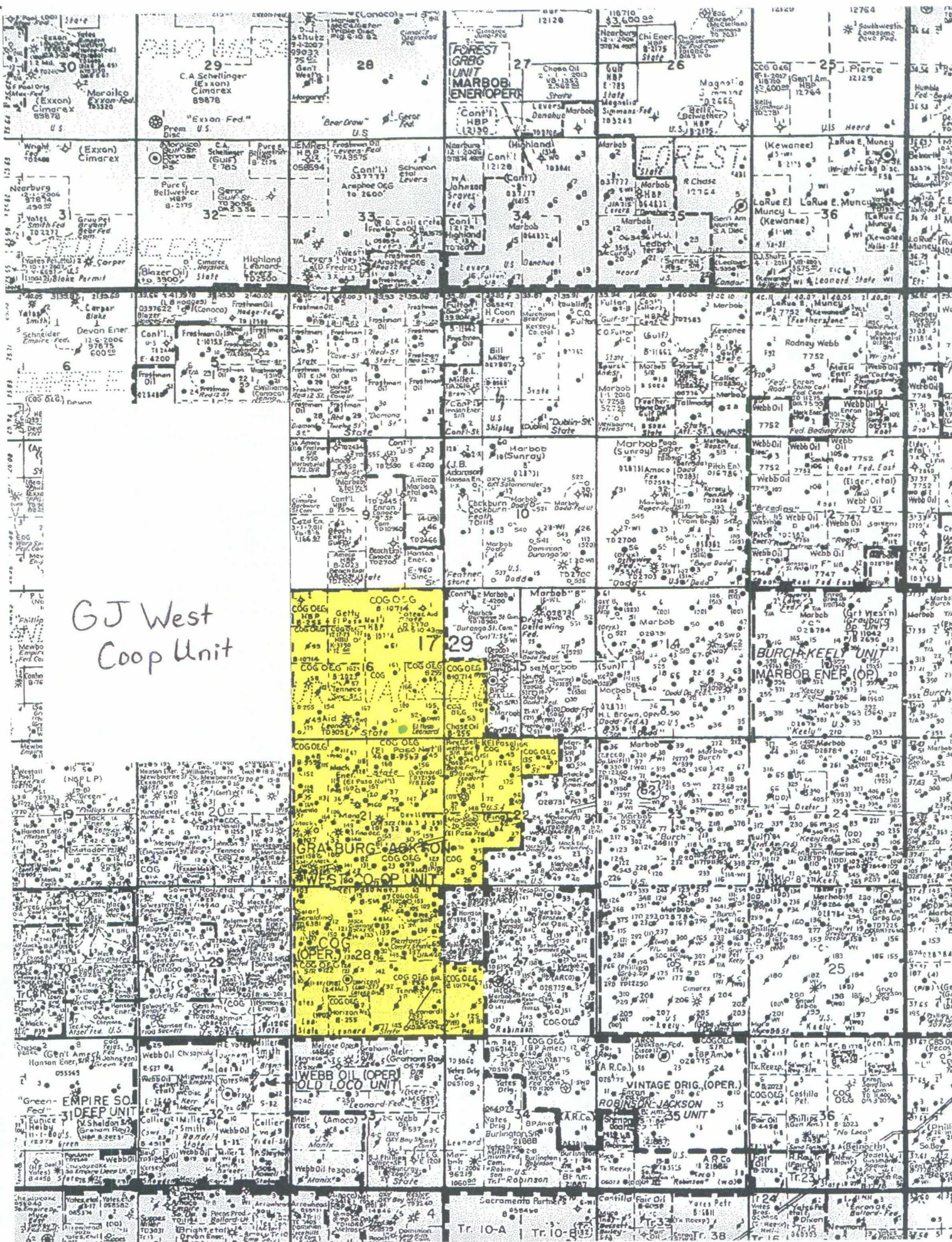
30-015-36054	OPERATING LLC	UNIT	182	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,461	O	Active Permit		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-36056	OPERATING LLC	UNIT	184	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,473	O	Active Permit		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-36055	OPERATING LLC	UNIT	183	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,450	O	Active Permit		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-29298	OPERATING LLC	UNIT	141	EDDY	R:29E	EMPIRE	YESO, EAST	5,530	O	Pumping		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-27377	OPERATING LLC	UNIT	107	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,555	O	Pumping		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-36700	OPERATING LLC	UNIT	251	EDDY	R:29E	WC GJ:7RVS-QN-GB-SA[GL-Y(PADDOCK)		5,459	O	Active Permit	Feb 2009	Oct 2009
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-36236	OPERATING LLC	UNIT	197	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,458	O	Active Permit		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-28513	OPERATING LLC	UNIT	131	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,562	O	Pumping		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-29298	OPERATING LLC	UNIT	141	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,530	O	Pumping		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-25610	OPERATING LLC	UNIT	82	EDDY	R:29E	GRAYBURG JACKSON SR-Q-G-SA, EMPIRE; GLORIETA-YESO, EAST		4,465	O	Pumping		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-26769	OPERATING LLC	UNIT	99	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		4,525	O	Pumping		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-36700	OPERATING LLC	UNIT	251	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,459	O	Active Permit		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-25610	OPERATING LLC	UNIT	82	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		4,465	O	Pumping		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-36996	OPERATING LLC	UNIT	255	EDDY	R:29E	WC GJ:7RVS-QN-GB-SA[GL-Y(PADDOCK)		5,508	O	Active Permit	May 2009	Oct 2009
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-36992	OPERATING LLC	UNIT	253	EDDY	R:29E	WC GJ:7RVS-QN-GB-SA[GL-Y(PADDOCK)		5,502	O	Active Permit	Jun 2009	Oct 2009
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-37052	OPERATING LLC	UNIT	252	EDDY	R:29E	WC GJ:7RVS-QN-GB-SA[GL-Y(PADDOCK)		5,501	O	Active Permit	Jun 2009	Oct 2009
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-36996	OPERATING LLC	UNIT	255	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,508	O	Active Permit		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							
30-015-36992	OPERATING LLC	UNIT	253	EDDY	R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,502	O	Active Permit		
	COG	G J WEST COOP UNIT			S:21, T:17S, R:29E							

30-015-37052	COG OPERATING LLC	COOP UNIT G J WEST COOP UNIT	252	EDDY	T:17S, R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,501	O	Active Permit		
30-015-37151	COG OPERATING LLC	G J WEST COOP UNIT	257	EDDY	S:21, T:17S, R:29E	WC GJ:7RVS-QN-GB-SA GL-Y(PADDOCK)		5,550	PO	Active Permit	Oct 2009	Oct 2009
30-015-37150	COG OPERATING LLC	G J WEST COOP UNIT	249	EDDY	S:21, T:17S, R:29E	WC GJ:7RVS-QN-GB-SA GL-Y(PADDOCK)		5,550	PO	Active Permit	Sep 2009	Oct 2009
30-015-37231	COG OPERATING LLC	G J WEST COOP UNIT	247	EDDY	S:21, T:17S, R:29E	WC GJ:7RVS-QN-GB-SA GL-Y(PADDOCK)		5,550	PO	Active Permit		
30-015-26840	COG OPERATING LLC	G J WEST COOP UNIT	100	EDDY	S:21, T:17S, R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,536	O	Pumping		
30-015-27359	COG OPERATING LLC	G J WEST COOP UNIT	114	EDDY	S:21, T:17S, R:29E	GJ:7RVS-QN-GB-GLORIETA-YESO		5,518	O	Pumping		
30-015-30874	EOG RESOURCES, INC.	CHASE "21" STATE COM	1	EDDY	S:21, T:17S, R:29E	UNDES. EMPIRE, (MORROW) S.	MORROW	11,150	U	Flowing		
30-015-30874	MACK ENERGY CORPORATION	CHASE 21 STATE COM	1	EDDY	S:21, T:17S, R:29E	SWD,CISCO		11,150	U	Flowing		

Offset Wells to G J West Coop Unit #248



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GJ West
Coop Unit

COG OEG
GJ West
Coop Unit

BURCH-KEELY UNIT
MARBOR ENER (OP)

WEBB OIL (OPER.)
OLD LOCO UNIT

VINTAGE DRIG. (OPER.)
ROBINSON-JACKSON UNIT

Tr. 10-A | Tr. 10-B

Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Tuesday, February 02, 2010 11:56 AM
To: 'Robyn Odom'
Subject: GJ West Co-op Unit #248; NSL Application

Dear Ms. Odom:

In addition to the encroachment you have noted toward the NE/4 NE/4 of Section 21, it seems this proposed location also encroaches diagonally toward the unit to the northeast, presumably the SW/4 SE/4 of Section 16.

Please advise if working interest ownership is the same between the SW/4 SE/4 of Section 16 and the NE/3 NW/4 of Section 21 where the well will be located.

Sincerely

David K. Brooks

Brooks, David K., EMNRD

From: Robyn Odom [rodod@conchoresources.com]
Sent: Tuesday, February 02, 2010 1:04 PM
To: Brooks, David K., EMNRD
Subject: RE: GJ West Co-op Unit #248; NSL Application

Dear Mr. Brooks,

COG does own the offset acreage of the SW/4 SE/4 of Section 16. Please let me know if there is any more information you need in the approval of this application. Have a great day!

Thank you,

Robyn Odom
(432) 685-4385

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From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Tuesday, February 02, 2010 12:56 PM
To: Robyn Odom
Subject: GJ West Co-op Unit #248; NSL Application

Dear Ms. Odom:

In addition to the encroachment you have noted toward the NE/4 NE/4 of Section 21, it seems this proposed location also encroaches diagonally toward the unit to the northeast, presumably the SW/4 SE/4 of Section 16.

Please advise if working interest ownership is the same between the SW/4 SE/4 of Section 16 and the NE/3 NW/4 of Section 21 where the well will be located.

Sincerely

David K. Brooks

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