

DATE IN 4/23/09	SUSPENSE	ENGINEER D. Brooks	LOGGED IN 4/23/09	TYPE NSL	APP NO. PKAA0911352321
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ABOVE THIS LINE FOR DIVISION USE ONLY

RECEIVED

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

2009 APR 23 AM 11:21 1229 South St. Francis Drive, Santa Fe, NM 87505



30-D15
GT West Coop #252
COG 229137

ADMINISTRATIVE APPLICATION CHECKLIST

6032

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

Robyn Odom
Signature

REGULATORY ANALYST
Title

4/22/09
Date

rododm@conchoresources.com
e-mail Address

**G J West Coop Unit #252
Eddy County, NM**

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

2460' FNL & 2310' FWL Sec 21, T17S, R29E, Unit F

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 of SW/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., ROBBES, NM 88240

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-37052	Pool Code 97558	Pool Name GJ; 7RVS-QN-GB-GLORIETA-YESO
Property Code 302497	Property Name GJ WEST COOP UNIT	Well Number 252
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3610'

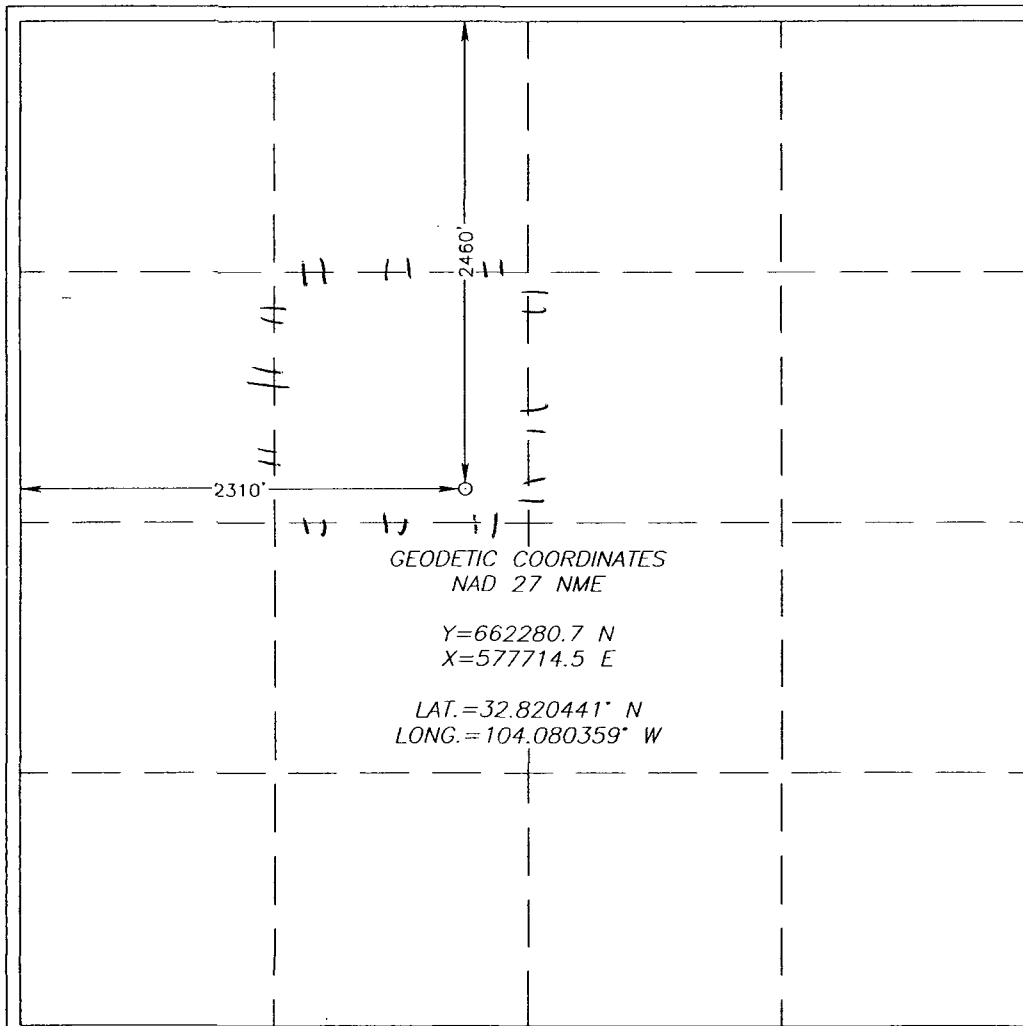
Surface Location

UL or lot No. F	Section 21	Township 17-S	Range 29-E	Lot Idn	Feet from the 2460	North/South line NORTH	Feet from the 2310	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.

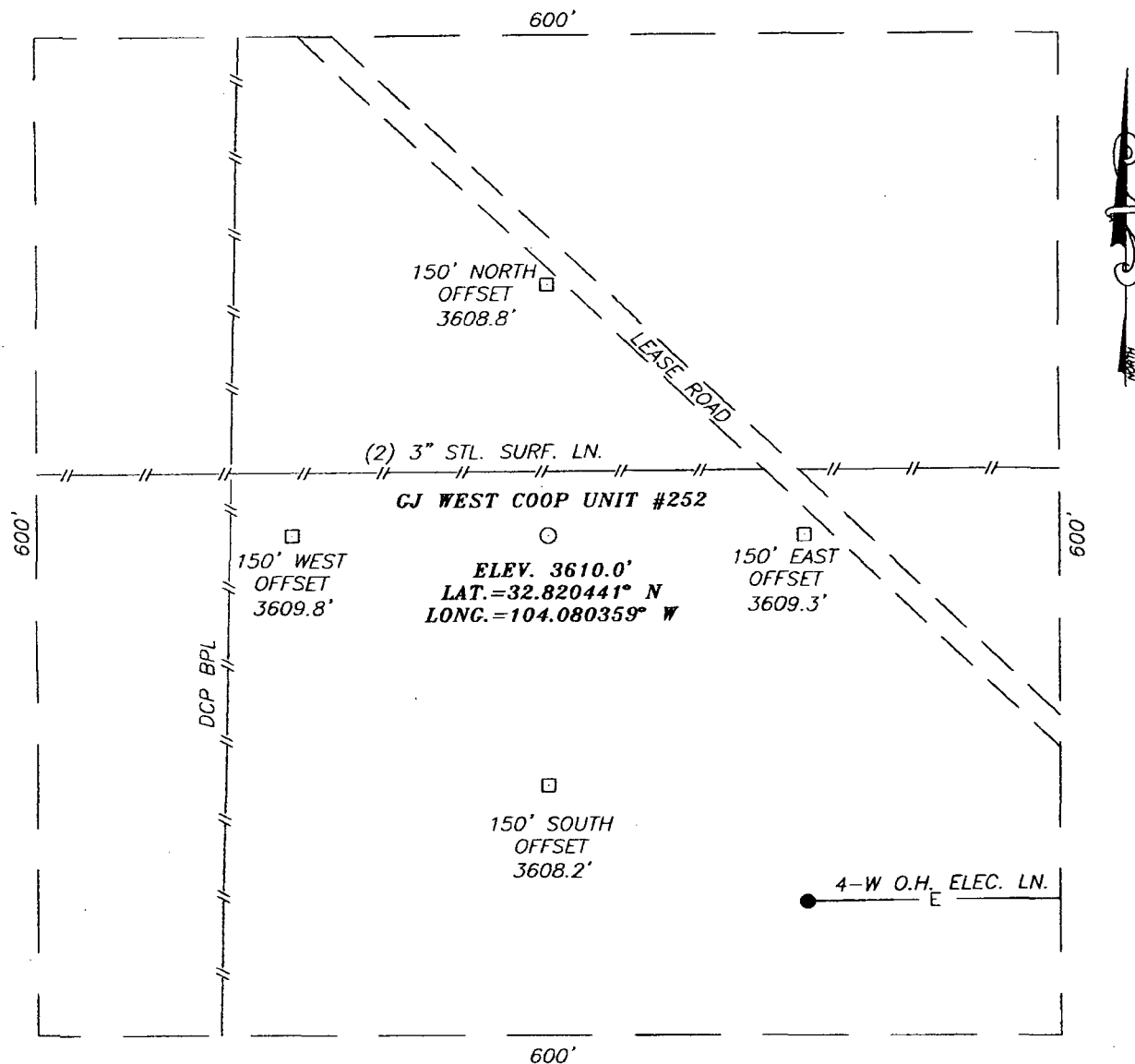
Signature: Robyn Odom
Date: 4/22/2009
Printed Name: Robyn Odom

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.

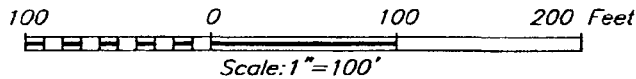
Date Surveyed: APRIL 13, 2009
Signature & Seal of Professional Surveyor: Ronald J. Eidson
Certificate No. GARY EIDSON 12641
RONALD J. EIDSON 3239

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 ROAD APPROX. 0.3 MILES. VEER LEFT AND GO WEST APPROX. 0.15 MILES. THIS LOCATION IS APPROX. 150 FEET WEST OF LEASE ROAD.



COG OPERATING, LLC

GJ WEST COOP UNIT #252
 LOCATED 2460 FEET FROM THE NORTH LINE
 AND 2310 FEET FROM THE WEST LINE OF SECTION 21,
 TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 4/13/09	Sheet 1 of 1 Sheets
W.O. Number: 09.11.0287	Dr By: AR
Date: 12/01/03	Disk: 09110287
	Scale: 1"=100'



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

Offset Wells to GJ West Coop Unit #252

API#	Operator	Lease	Well#	County	Legal	First Prod.	Last Prod.	Field Name	Reservoir Name	Total Depth	Well Type	Well Status
30-015-03019	MACK ENERGY CORP	G J WEST COOP UNIT	038	EDDY	S21, T:17S, R:29E	Jan 1967	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Pumping
30-015-03019	MACK ENERGY CORP	G J WEST COOP UNIT	038	EDDY	S21, T:17S, R:29E	Jan 1969	Aug 1996	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Pumping
30-015-03021	MACK ENERGY CORP	G J WEST COOP UNIT	034	EDDY	S21, T:17S, R:29E	Jan 1967	Jan 1971	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Temporarily Abandoned
30-015-03021	MACK ENERGY CORP	G J WEST COOP UNIT	034	EDDY	S21, T:17S, R:29E	Jan 1969	Jan 1971	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Temporarily Abandoned
30-015-03026	MACK ENERGY CORP	G J WEST COOP UNIT	030	EDDY	S21, T:17S, R:29E	Jan 1973	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Pumping
30-015-03026	MACK ENERGY CORP	G J WEST COOP UNIT	030	EDDY	S21, T:17S, R:29E	Jan 1966	Dec 1989	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Pumping
30-015-03028	COG OPERATING LLC	G J WEST COOP UNIT	024	EDDY	S21, T:17S, R:29E	Jan 1967	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	3,313	O	Active
30-015-10754	MACK ENERGY CORP	G J WEST COOP UNIT	033	EDDY	S21, T:17S, R:29E	Jan 1967	Oct 1967	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,707	G	Flowing
30-015-10754	COG OPERATING LLC	G J WEST COOP UNIT	033	EDDY	S21, T:17S, R:29E	Feb 1966	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	3,707	G	Flowing
30-015-10797	COG OPERATING LLC	G J WEST COOP UNIT	023	EDDY	S21, T:17S, R:29E	Jan 1970	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	7,900	O	Pumping
30-015-10797	MACK ENERGY CORP	G J WEST COOP UNIT	023	EDDY	S21, T:17S, R:29E	Jan 1967	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		7,900	O	Pumping
30-015-10807	COG OPERATING LLC	G J WEST COOP UNIT	029	EDDY	S21, T:17S, R:29E	Jan 2001	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	2,855	G	Flowing
30-015-10807	MACK ENERGY CORP	G J WEST COOP UNIT	029	EDDY	S21, T:17S, R:29E	Jan 1967	Oct 1967	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,855	G	Flowing
30-015-10808	MACK ENERGY CORP	G J WEST COOP UNIT	032	EDDY	S21, T:17S, R:29E	Jan 1967	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Pumping

30-015-10808	COG OPERATING LLC	G J WEST COOP UNIT	032	EDDY	S:21, T:17S, R:29E	Jun 1966	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Pumping
30-015-10809	MACK ENERGY CORP	G J WEST COOP UNIT	037	EDDY	S:21, T:17S, R:29E	Jan 1970	Aug 1996	GRAYBURG JACKSON	SR-Q-G-SA	2,900	O	Pumping
30-015-10809	MACK ENERGY CORP	G J WEST COOP UNIT	037	EDDY	S:21, T:17S, R:29E	Jan 1969	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,900	O	Pumping
30-015-10810	MACK ENERGY CORP	G J WEST COOP UNIT	045	EDDY	S:21, T:17S, R:29E	Jan 1970	Oct 2001	GRAYBURG JACKSON	SR-Q-G-SA	2,848	O	Active
30-015-10810	MACK ENERGY CORP	G J WEST COOP UNIT	045	EDDY	S:21, T:17S, R:29E	Jan 1967	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,848	O	Active
30-015-10811	MACK ENERGY CORP	G J WEST COOP UNIT	046	EDDY	S:21, T:17S, R:29E	Jan 1972	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Pumping
30-015-10811	COG OPERATING LLC	G J WEST COOP UNIT	046	EDDY	S:21, T:17S, R:29E	Jan 1969	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Pumping
30-015-10820	MACK ENERGY CORP	G J WEST COOP UNIT	022	EDDY	S:21, T:17S, R:29E	Jan 1970	Jun 2005	GRAYBURG JACKSON	SR-Q-G-SA	2,900	O	Plugged and Abandoned
30-015-10820	MACK ENERGY CORP	G J WEST COOP UNIT	022	EDDY	S:21, T:17S, R:29E	Jan 1969	Aug 1971	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,900	O	Plugged and Abandoned
30-015-10821	MACK ENERGY CORP	G J WEST COOP UNIT	036	EDDY	S:21, T:17S, R:29E	Jan 1967	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,900	O	Pumping
30-015-10821	MACK ENERGY CORP	G J WEST COOP UNIT	036	EDDY	S:21, T:17S, R:29E	Jan 1969	Sep 1996	GRAYBURG JACKSON	SR-Q-G-SA	2,900	O	Pumping
30-015-10822	COG OPERATING LLC	G J WEST COOP UNIT	047	EDDY	S:21, T:17S, R:29E	Jan 2001	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	2,720	G	Flowing
30-015-10822	MACK ENERGY CORP	G J WEST COOP UNIT	047	EDDY	S:21, T:17S, R:29E	Jan 1967	Oct 1967	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,720	G	Flowing
30-015-10823	MACK ENERGY CORP	G J WEST COOP UNIT	035	EDDY	S:21, T:17S, R:29E	Jan 1967	May 1973	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,700	O	Pumping
30-015-10823	MACK ENERGY CORP	G J WEST COOP UNIT	035	EDDY	S:21, T:17S, R:29E	Jan 1969	Aug 1996	GRAYBURG JACKSON	SR-Q-G-SA	2,700	O	Pumping

30-015-20124	MACK ENERGY CORP	WEST COOP UNIT	48	EDDY	S:21, T:17S, R:29E	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	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,228	PO	Pumping
30-015-20351	MACK ENERGY CORP	G J WEST COOP UNIT	123	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON SR QN GB SA	7,005	O	Pumping
30-015-25383	COG OPERATING LLC	G J WEST COOP UNIT	069	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,300	PO	Pumping
30-015-25466	COG OPERATING LLC	G J WEST COOP UNIT	073	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,400	PO	Pumping
30-015-25489	COG OPERATING LLC	G J WEST COOP UNIT	078	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,413	PO	Pumping
30-015-25500	COG OPERATING LLC	G J WEST COOP UNIT	075	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,465	PO	Pumping
30-015-25610	COG OPERATING LLC	G J WEST COOP UNIT	82	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,465	O	Pumping
30-015-25633	COG OPERATING LLC	G J WEST COOP UNIT	080	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,490	PO	Pumping
30-015-25691	COG OPERATING LLC	G J WEST COOP UNIT	081	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,673	PO	Pumping
30-015-26743	COG OPERATING LLC	G J WEST COOP UNIT	079	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,490	PO	Pumping
30-015-26769	COG OPERATING LLC	G J WEST COOP UNIT	99	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,525	O	Pumping
30-015-26838	COG OPERATING LLC	G J WEST COOP UNIT	101	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,450	PO	Pumping
30-015-26839	COG OPERATING LLC	G J WEST COOP UNIT	102	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,450	PO	Pumping
30-015-26840	COG OPERATING LLC	G J WEST COOP UNIT	100	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON	4,475	PO	Pumping
	COG OPERATING	WEST			S:21,				

30-015-27257	LLC	COOP UNIT	104 EDDY	T-17S, R-29E	Jun 1993	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	5,050	PO	Pumping
30-015-27259	COG OPERATING LLC	G J WEST COOP UNIT	106 EDDY	S-21, T-17S, R-29E	Jun 1993	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	5,050	O	Pumping
30-015-27358	COG OPERATING LLC	G J WEST COOP UNIT	113 EDDY	S-21, T-17S, R-29E	Jun 1993	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	4,450	PO	Pumping
30-015-27359	COG OPERATING LLC	G J WEST COOP UNIT	114 EDDY	S-21, T-17S, R-29E	Jun 1993	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	4,378	PO	Pumping
30-015-27360	MACK ENERGY CORP	G J WEST COOP UNIT	115 EDDY	S-21, T-17S, R-29E	Jul 1993	Apr 2007	GRAYBURG JACKSON SR QN GB SA		4,758	O	Pumping
30-015-27362	MACK ENERGY CORP	G J WEST COOP UNIT	117 EDDY	S-21, T-17S, R-29E	Jul 1993	Apr 2007	GRAYBURG JACKSON SR QN GB SA		4,920	O	Pumping
30-015-27363	COG OPERATING LLC	G J WEST COOP UNIT	118 EDDY	S-21, T-17S, R-29E	Jun 1993	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	4,415	PO	Pumping
30-015-27364	COG OPERATING LLC	G J WEST COOP UNIT	119 EDDY	S-21, T-17S, R-29E	Jun 1993	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	4,400	PO	Pumping
30-015-27377	MACK ENERGY CORP	G J WEST COOP UNIT	107 EDDY	S-21, T-17S, R-29E	Jul 1994	Apr 2007	GRAYBURG JACKSON SR QN GB SA		5,565	O	Pumping
30-015-27447	COG OPERATING LLC	G J WEST COOP UNIT	120 EDDY	S-21, T-17S, R-29E	Jun 1993	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	4,420	PO	Pumping
30-015-28613	COG OPERATING LLC	G J WEST COOP UNIT	131 EDDY	S-21, T-17S, R-29E	Aug 1995	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	5,562	O	Pumping
30-015-29180	COG OPERATING LLC	G J WEST COOP UNIT	140 EDDY	S-21, T-17S, R-29E	Dec 1996	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	7,500	O	Pumping
30-015-29298	COG OPERATING LLC	G J WEST COOP UNIT	141 EDDY	S-21, T-17S, R-29E	Mar 1997	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	5,530	O	Pumping
30-015-30874	EOG RESOURCES INC	CHASE 21 STATE COM	001 EDDY	S-21, T-17S, R-29E			EMPIRE	MORROW, SOUTH (GAS)	11,150	G	Flowing
30-015-27363		G J WEST COOP UT	118 EDDY	S-21, T-17S, R-29E	Jun 1993	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,415	PO	Pumping
30-015-27362		G J WEST COOP UT	117 EDDY	S-21, T-17S, R-29E	Jul 1993	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,920	O	Pumping

30-015-27360	G J WEST COOP UT	115 EDDY	S 21, T:17S, R:29E	Jul 1993	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,758	O	Pumping
30-015-00000	G J WEST COOP UT	098 EDDY	S 21, T:17S, R:29E	Dec 1991	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA		G	Active
30-015-27358	G J WEST COOP UT	113 EDDY	S 21, T:17S, R:29E	Jun 1993	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,450	PO	Pumping
30-015-27359	G J WEST COOP UT	114 EDDY	S 21, T:17S, R:29E	Jun 1993	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,378	PO	Pumping
30-015-27447	G J WEST COOP UT	120 EDDY	S 21, T:17S, R:29E	Jun 1993	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,420	PO	Pumping
30-015-25489	G J WEST COOP UT	078 EDDY	S 21, T:17S, R:29E	Jan 1986	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,413	PO	Pumping
30-015-25500	G J WEST COOP UT	075 EDDY	S 21, T:17S, R:29E	Jul 1986	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,465	PO	Pumping
30-015-26840	G J WEST COOP UT	100 EDDY	S 21, T:17S, R:29E	Dec 1991	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,475	PO	Pumping
30-015-27259	G J WEST COOP UT	106 EDDY	S 21, T:17S, R:29E	Aug 1993	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	5,050	O	Pumping
30-015-25633	G J WEST COOP UT	080 EDDY	S 21, T:17S, R:29E	Feb 1991	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,490	PO	Pumping
30-015-25610	G J WEST COOP UT	82 EDDY	S 21, T:17S, R:29E	Jun 1991	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,465	O	Pumping
30-015-25466	G J WEST COOP UT	073 EDDY	S 21, T:17S, R:29E	Jan 1986	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,400	PO	Pumping
30-015-25691	G J WEST COOP UT	081 EDDY	S 21, T:17S, R:29E	Jan 1987	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,673	PO	Pumping
30-015-26769	G J WEST COOP UT	99 EDDY	S 21, T:17S, R:29E	Aug 1991	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,525	O	Pumping
30-015-03026	G J WEST COOP UT	030 EDDY	S 21, T:17S, R:29E	Jul 1967	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)	SR-Q-G-SA	0	O	Pumping
30-015-03026	G J WEST COOP UT	030 EDDY	S 21, T:17S, R:29E	Jan 1969	Jan 1979	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Pumping
30-015-25363	G J WEST COOP UT	069 EDDY	S 21, T:17S, R:29E	Oct 1985	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA	4,300	PO	Pumping
30-015-00000	STATE 21	001 EDDY	S 21, T:17S, R:29E			GRAYBURG	MORROW (GAS)		G	Active
30-015-33464	MACK ENERGY CORP	001 EDDY	S 21, T:17S, R:29E	Jan 1953	Dec 1964	GRAYBURG	MORROW (GAS)	13,000	G	Active
	LEONARD OIL		S 21,							

30-015-33464	COMPANY	STATE B	001 EDDY	T-17S, R-29E	Jan 1955	Dec 1963	GRAYBURG JACKSON	SR-Q-G-SA	13,000	G	Active
30-015-00000	LEONARD OIL CO.	STATE B	008 EDDY	S21, T-17S, R-29E	Jan 1948	Feb 1960	GRAYBURG JACKSON	SR-Q-G-SA		O	Active
30-015-00000	LEONARD OIL CO	STATE B	015 EDDY	S21, T-17S, R-29E	Jul 1961	Dec 1964	GRAYBURG JACKSON	SR-Q-G-SA		G	Active
30-015-00000	COCKBURN, BARNEY	RAMAPO ST.	002 EDDY	S21, T-17S, R-29E	Aug 1955	Dec 1955	RED LAKE POOL			O	Active
30-015-00000	MANA RESOURCES, INCORPORATED	STATE 21 COM	001 EDDY	S21, T-17S, R-29E	Apr 1971	Dec 1971	GRAYBURG MORROW			G	Active
30-015-33464	LEONARD OIL CO	STATE B9563	001 EDDY	S21, T-17S, R-29E	Jan 1960	Dec 1960	GRAYBURG JACKSON	SR-Q-G-SA	13,000	G	Active
30-015-30874	COG OPERATING LLC	CHASE 21 STATE COM	001 EDDY	S21, T-17S, R-29E	Nov 2005	Jan 2009	SWD	CISCO	11,150	G	Flowing
30-015-33464	COG OPERATING LLC	PATRIOT STATE COM	001 EDDY	S21, T-17S, R-29E			RED LAKE	QUEEN-GRAYBURG-SA	13,000	G	Active
30-015-00000	TENNECO OIL CO	STATE I	015 EDDY	S21, T-17S, R-29E	Jan 1965	Dec 1965				G	Active
30-015-33464	TENNECO OIL CO.	STATE M	001 EDDY	S21, T-17S, R-29E	Jan 1965	Dec 1965			13,000	G	Active
30-015-20351	COG OPERATING LLC	G J WEST COOP UNIT	123 EDDY	S21, T-17S, R-29E	Jan 2005	Apr 2007	GRAYBURG JACKSON	SR-Q-G-SA	7,005	O	Pumping
30-015-35454	COG OPERATING LLC	G J WEST COOP UNIT	147 EDDY	S21, T-17S, R-29E	May 2007	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)		5,500	PO	Active
30-015-35456	COG OPERATING LLC	G J WEST COOP UNIT	152 EDDY	S21, T-17S, R-29E	May 2007	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)		5,500	PO	Active
30-015-35455	COG OPERATING LLC	G J WEST COOP UNIT	149 EDDY	S21, T-17S, R-29E	May 2007	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)		5,515	PO	Active
30-015-35578	COG OPERATING LLC	G J WEST COOP UNIT	156 EDDY	S21, T-17S, R-29E			GJ; 7RVS-QN-GB-GLORIETA-YESO 97558		5,625	O	Active
30-015-35579	COG OPERATING LLC	G J WEST COOP UNIT	157 EDDY	S21, T-17S, R-29E			GJ; 7RVS-QN-GB-GLORIETA-YESO 97558		6,116	O	Active
30-015-35580	COG OPERATING LLC	G J WEST COOP UNIT	158 EDDY	S21, T-17S, R-29E	Sep 2007	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)		6,100	PO	Active
	COG OPERATING	G J WEST	S21,								

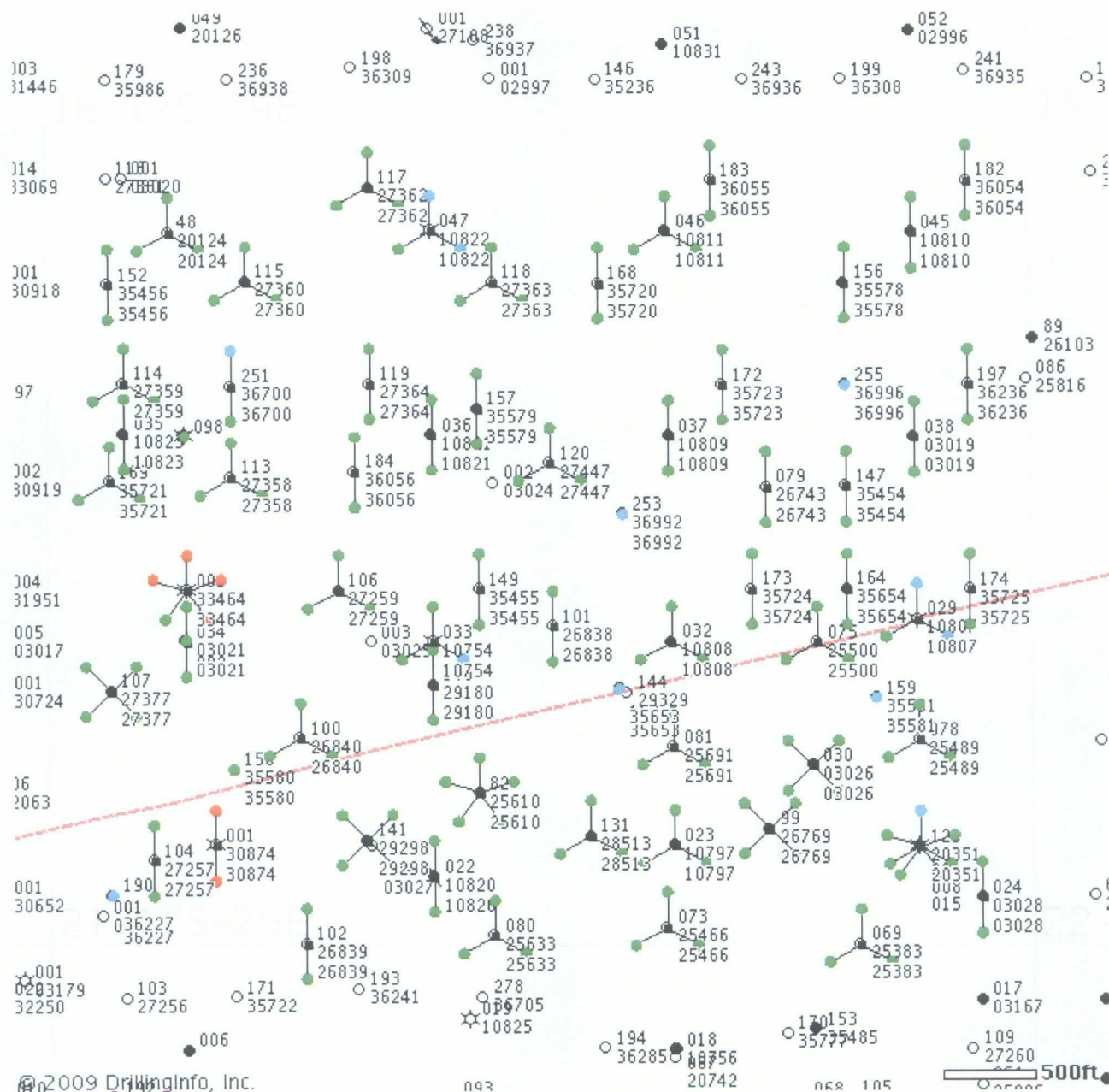
30-015-35581	LLC	COOP UNIT	159	EDDY	T-17S, R-29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	5,600	PO	Active
30-015-35454	COG OPERATING LLC	GJ WEST COOP UNIT	147	EDDY	S-21, T-17S, R-29E	GJ, 7RVS-QN-GB-GLORIETS-YESO 97558	5,500	PO	Active
30-015-35456	COG OPERATING LLC	G J WEST COOP UNIT	152	EDDY	S-21, T-17S, R-29E	GJ, 7RVS-QN-GB-GLORIETA-YESO 97558	5,500	PO	Active
30-015-35455	COG OPERATING LLC	G J WEST COOP UNIT	149	EDDY	S-21, T-17S, R-29E	GJ, 7RVS-QN-GB-GLORIETA-YESO 97558	5,515	PO	Active
30-015-35653	COG OPERATING LLC	G J WEST COOP UNIT	163	EDDY	S-21, T-17S, R-29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	5,600	PO	Active
30-015-35654	COG OPERATING LLC	G J WEST COOP UNIT	164	EDDY	S-21, T-17S, R-29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	5,540	O	Active
30-015-35720	COG OPERATING LLC	G J WEST COOP UNIT	168	EDDY	S-21, T-17S, R-29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	5,445	O	Active Permit
30-015-35721	COG OPERATING LLC	G J WEST COOP UNIT	169	EDDY	S-21, T-17S, R-29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	5,458	O	Active Permit
30-015-35723	COG OPERATING LLC	G J WEST COOP UNIT	172	EDDY	S-21, T-17S, R-29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	5,630	O	Active Permit
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
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
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
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
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
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
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

30-015-27360	COG OPERATING LLC	G J WEST COOP UNIT	115	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,758	O	Pumping
30-015-27362	COG OPERATING LLC	G J WEST COOP UNIT	117	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,920	O	Pumping
30-015-27377	COG OPERATING LLC	G J WEST COOP UNIT	107	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	5,555	O	Pumping
30-015-28513	COG OPERATING LLC	G J WEST COOP UNIT	131	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	5,562	O	Pumping
30-015-29180	COG OPERATING LLC	G J WEST COOP UNIT	140	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	7,500	O	Pumping
30-015-29298	COG OPERATING LLC	G J WEST COOP UNIT	141	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	5,530	O	Pumping
30-015-03028	COG OPERATING LLC	G J WEST COOP UNIT	024	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	3,313	O	Active
30-015-10797	COG OPERATING LLC	G J WEST COOP UNIT	023	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	7,900	O	Pumping
30-015-10808	COG OPERATING LLC	G J WEST COOP UNIT	032	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	0	O	Pumping
30-015-10811	COG OPERATING LLC	G J WEST COOP UNIT	046	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	0	O	Pumping
30-015-20124	COG OPERATING LLC	G J WEST COOP UNIT	48	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,228	PO	Pumping
30-015-25383	COG OPERATING LLC	G J WEST COOP UNIT	069	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,300	PO	Pumping
30-015-25466	COG OPERATING LLC	G J WEST COOP UNIT	073	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,400	PO	Pumping
30-015-25489	COG OPERATING LLC	G J WEST COOP UNIT	078	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,413	PO	Pumping
30-015-25500	COG OPERATING LLC	G J WEST COOP UNIT	075	EDDY	S-21, T-17S, R-29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,465	PO	Pumping
		G J									

30-015-25610	COG OPERATING LLC	WEST COOP UNIT	82 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,465	O Pumping
30-015-25633	COG OPERATING LLC	G J WEST COOP UNIT	080 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,490	PO Pumping
30-015-25691	COG OPERATING LLC	G J WEST COOP UNIT	081 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,673	PO Pumping
30-015-26743	COG OPERATING LLC	G J WEST COOP UNIT	079 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,490	PO Pumping
30-015-26769	COG OPERATING LLC	G J WEST COOP UNIT	99 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,525	O Pumping
30-015-26838	COG OPERATING LLC	G J WEST COOP UNIT	101 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,450	PO Pumping
30-015-26839	COG OPERATING LLC	G J WEST COOP UNIT	102 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,450	PO Pumping
30-015-26840	COG OPERATING LLC	G J WEST COOP UNIT	100 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,475	PO Pumping
30-015-27257	COG OPERATING LLC	G J WEST COOP UNIT	104 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	5,050	PO Pumping
30-015-27358	COG OPERATING LLC	G J WEST COOP UNIT	113 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,450	PO Pumping
30-015-27359	COG OPERATING LLC	G J WEST COOP UNIT	114 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,378	PO Pumping
30-015-27363	COG OPERATING LLC	G J WEST COOP UNIT	118 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,415	PO Pumping
30-015-27364	COG OPERATING LLC	G J WEST COOP UNIT	119 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,400	PO Pumping
30-015-27447	COG OPERATING LLC	G J WEST COOP UNIT	120 EDDY	S.21, T.17S, R.29E	Jan 2005	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	4,420	PO Pumping
30-015-35578	COG OPERATING LLC	G J WEST COOP UNIT	156 EDDY	S.21, T.17S, R.29E	Aug 2007	Jan 2009	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)	5,625	O Active
	COG OPERATING	WEST		S.21,					

30-015-35654	LLC	COOP UNIT	164	EDDY	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)) Sep 2007 Jan 2009	6,116	O	Active
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)) Apr 2008 Jan 2009	5,461	O	Active Permit
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)) May 2008 Jan 2009	5,450	O	Active Permit
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)) Jun 2008 Jan 2009	5,473	O	Active Permit
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)) Oct 2008 Jan 2009	5,458	O	Active Permit
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
30-015-36054	COG OPERATING LLC	G J WEST COOP UNIT	182	EDDY	S:21, T:17S, R:29E	GJ; 7RVS-QN-GB-GLORIETA-YESO	5,461	O	Active Permit
30-015-36056	COG OPERATING LLC	G J WEST COOP UNIT	184	EDDY	S:21, T:17S,	GJ; 7RVS-QN-GB-GLORIETA-YESO	5,473	O	Active Permit

30-015-36055	COG OPERATING LLC	G J WEST COOP UNIT	UNIT	183	EDDY	R:29E	GJ, 7RVS-QN-GB-GLORIETA-YESO	5,450	O	Active Permit
30-015-29298	COG OPERATING LLC	G J WEST COOP UNIT	UNIT	141	EDDY	S:21, T:17S, R:29E	YESO, EAST	5,530	O	Pumping
30-015-27377	COG OPERATING LLC	GJ WEST COOP UNIT	UNIT	107	EDDY	S:21, T:17S, R:29E	GJ, 7RVS-QN-GB-GLORIETA-YESO	5,555	O	Pumping
30-015-36700	COG OPERATING LLC	G J WEST COOP UNIT	UNIT	251	EDDY	S:21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))	5,459	O	Active Permit
30-015-36236	COG OPERATING LLC	G J WEST COOP UNIT	UNIT	197	EDDY	S:21, T:17S, R:29E	GJ, 7RVS-QN-GB-GLORIETA-YESO	5,458	O	Active Permit
30-015-28513	COG OPERATING LLC	G J WEST COOP UNIT	UNIT	131	EDDY	S:21, T:17S, R:29E	GJ, 7RVS-QN-GB-GLORIETA-YESO	5,562	O	Pumping
30-015-29298	COG OPERATING LLC	G J WEST COOP UNIT	UNIT	141	EDDY	S:21, T:17S, R:29E	GJ, 7RVS-QN-GB-GLORIETA-YESO	5,530	O	Pumping
30-015-25610	COG OPERATING LLC	GJ WEST COOP UNIT	UNIT	82	EDDY	S:21, T:17S, R:29E	GRAYBURG JACKSON; SR-Q-G-SA, EMPIRE; GLORIETA-YESO, EAST	4,465	O	Pumping
30-015-26769	COG OPERATING LLC	G J WEST COOP UNIT	UNIT	99	EDDY	S:21, T:17S, R:29E	GJ, 7RVS-QN-GB-GLORIETA-YESO	4,525	O	Pumping
30-015-36700	COG OPERATING LLC	G J WEST COOP UNIT	UNIT	251	EDDY	S:21, T:17S, R:29E	GJ, 7RVS-QN-GB-GLORIETA-YESO	5,459	O	Active Permit
30-015-25610	COG OPERATING LLC	G J WEST COOP UNIT	UNIT	82	EDDY	S:21, T:17S, R:29E	GJ, 7RVS-QN-GB-GLORIETA-YESO	4,465	O	Pumping
30-015-36996	COG OPERATING LLC	G J WEST COOP UNIT	UNIT	255	EDDY	S:21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))	5,600	PO	Active Permit
30-015-36992	COG OPERATING LLC	G J WEST COOP UNIT	UNIT	253	EDDY	S:21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)(GL-Y(PADDOCK))	5,700	PO	Active Permit



Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Monday, May 11, 2009 11:23 AM
To: 'Robyn Odom'
Subject: GJ West Coop Unit #252; NSL Application

Dear Ms. Odom

The heading of your application says you are requesting "a vertical North $\frac{1}{2}$, NW/4 40 acre spacing". Aside from the fact than N/2 NW/4 would ordinarily be 80 acres, the attached plat indicates that the well is to be in the SE/4 SW/4. Please confirm that the attached C-102 shows the correct location.

Also, your statement concerning offsets correctly (per the attached plat) notes that the location encroaches toward the NE/4 SW/4, but does not reference diagonal encroachment toward NW/4 SE/4. Please advise is ownership is identical as to the NW/4 WE/4 also.

Thanks

David K. Brooks
505-476-3450

Brooks, David K., EMNRD

From: Robyn Odom [rodom@conchoresources.com]
Sent: Monday, May 11, 2009 12:35 PM
To: Brooks, David K., EMNRD
Subject: RE: GJ West Coop Unit #252; NSL Application

Dear Mr. Brooks,

The correct location of the well is in the SE/4 of the NW/4 of Section 21. COG owns the offset acreage of the NW/4 SE/4. Please let me know if there is any more information you need in the approval of the application.

Thank you,

Robyn Odom
X14385

From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Monday, May 11, 2009 12:23 PM
To: Robyn Odom
Subject: GJ West Coop Unit #252; NSL Application

Dear Ms. Odom

The heading of your application says you are requesting "a vertical North ½, NW/4 40 acre spacing". Aside from the fact that N/2 NW/4 would ordinarily be 80 acres, the attached plat indicates that the well is to be in the SE/4 SW/4. Please confirm that the attached C-102 shows the correct location.

Also, your statement concerning offsets correctly (per the attached plat) notes that the location encroaches toward the NE/4 SW/4, but does not reference diagonal encroachment toward NW/4 SE/4. Please advise if ownership is identical as to the NW/4 WE/4 also.

Thanks

David K. Brooks
505-476-3450

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Well File Search - Select API Number to View

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The search results are broken out by groups of 25 on each page. Switching pages can be done by clicking the "Next 25" or "Previous 25" links.

7 Records Found

Displaying Screen 1 of 1

- | API Number | ULSTR | Footages |
|---|---------------|---------------------|
| ☐ 3001503624 | F -21-17S-29E | 2290 FNL & 2310 FWL |
| Well Name & Number: PRE-ONGARD WELL No. 002 | | |
| Operator: PRE-ONGARD WELL OPERATOR | | |
| ☐ 3001510821 | F -21-17S-29E | 1980 FNL & 1980 FWL |
| Well Name & Number: G J WEST COOP UNIT No. 036 | | |
| Operator: MACK ENERGY CORP | | |
| ☐ 3001527364 | F -21-17S-29E | 1650 FNL & 1650 FWL |
| Well Name & Number: G J WEST COOP UNIT No. 119 | | |
| Operator: COG OPERATING LLC | | |
| ☐ 3001527447 | F -21-17S-29E | 2160 FNL & 2615 FWL |
| Well Name & Number: G J WEST COOP UNIT No. 120 | | |
| Operator: COG OPERATING LLC | | |
| ☐ 3001535579 | F -21-17S-29E | 1800 FNL & 2310 FWL |
| Well Name & Number: G J WEST COOP UNIT No. 157 | | |
| Operator: COG OPERATING LLC | | |
| ☐ 3001536056 | F -21-17S-29E | 2210 FNL & 1650 FWL |
| Well Name & Number: G J WEST COOP UNIT No. 184 | | |
| Operator: COG OPERATING LLC | | |
| ☐ 3001537052 | F -21-17S-29E | 2460 FNL & 2310 FWL |
| Well Name & Number: G J WEST COOP UNIT No. 252 | | |
| Operator: COG OPERATING LLC | | |

7 Records Found

Displaying Screen 1 of 1

[Continue](#)[Go Back](#)

Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Tuesday, May 19, 2009 11:34 AM
To: 'Robyn Odom'
Subject: GJ West Coop Unit # 252; NSL Application

Dear Ms. Odom

It looks like you already have four active wells completed in the Grayburg Jackson in this 40-acre unit. Is this a secondary recovery unit. I did not find anything to so indicate.

If it is not in a secondary recovery unit, this fifth well requires an exception for simultaneous dedication.

Sincerely

David

Brooks, David K., EMNRD

From: Robyn Odom [rodom@conchoresources.com]
Sent: Thursday, May 21, 2009 2:05 PM
To: Brooks, David K., EMNRD
Subject: RE: GJ West Coop Unit # 252; NSL Application
Attachments: GJ West Coop Unit Land Plat 252.pdf

Dear Mr. Brooks,

Our records indicate that the GJ 119 & 120 produced from the Grayburg San Anders from 1993-2007 and are presently producing from the Paddock. The GJ 157 & 184 are producing from the Blinebry. The GJ 252 is scheduled to be drilled to the Blinebry.

The GJ 120 is a non-standard location which interrupted the normal 10 acre spacing pattern. Therefore, COG Operating, LLC planned drilling the 252 to complete the 10 acre spacing. We have attached a map showing Section 21 with the TDs for Unit F locations. COG owns all of Section 21.

Thank you,

Robyn Odom
X14385

From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Tuesday, May 19, 2009 12:34 PM
To: Robyn Odom
Subject: GJ West Coop Unit # 252; NSL Application

Dear Ms. Odom

It looks like you already have four active wells completed in the Grayburg Jackson in this 40-acre unit. Is this a secondary recovery unit. I did not find anything to so indicate.

If it is not in a secondary recovery unit, this fifth well requires an exception for simultaneous dedication.

Sincerely

David

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Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Thursday, May 21, 2009 3:36 PM
To: 'Robyn Odom'
Subject: RE: GJ West Coop Unit # 252; NSL Application

Dear Ms. Odom

I have again reviewed the OCD records, and they show all of these wells as completed in the Grayburg-Jackson Seven Rivers/Queen/Grayburg/Glorieta/Yeso Pool. This is a single pool, although a number of different strata are included. If these wells are not actually producing within the defined vertical limits of that pool, then the records need to be corrected. If they are producing within the vertical limits of that pool, then a simultaneous dedication exception is required to allow a fifth well in the unit.

Please advise if you want the material submitted to be considered as an application for simultaneous dedication.

Sincerely

David K. Brooks
Legal Examiner
505-476-3450

From: Robyn Odom [mailto:rodod@conchoresources.com]
Sent: Thursday, May 21, 2009 2:05 PM
To: Brooks, David K., EMNRD
Subject: RE: GJ West Coop Unit # 252; NSL Application

Dear Mr. Brooks,

Our records indicate that the GJ 119 & 120 produced from the Grayburg San Anders from 1993-2007 and are presently producing from the Paddock. The GJ 157 & 184 are producing from the Blinbry. The GJ 252 is scheduled to be drilled to the Blinbry.

The GJ 120 is a non-standard location which interrupted the normal 10 acre spacing pattern. Therefore, COG Operating, LLC planned drilling the 252 to complete the 10 acre spacing. We have attached a map showing Section 21 with the TDs for Unit F locations. COG owns all of Section 21.

Thank you,

Robyn Odom
X14385

From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Tuesday, May 19, 2009 12:34 PM
To: Robyn Odom
Subject: GJ West Coop Unit # 252; NSL Application

Dear Ms. Odom

It looks like you already have four active wells completed in the Grayburg Jackson in this 40-acre unit. Is this a secondary recovery unit. I did not find anything to so indicate.

If it is not in a secondary recovery unit, this fifth well requires an exception for simultaneous dedication.

Sincerely

David

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Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Tuesday, May 26, 2009 11:00 AM
To: 'Robyn Odom'
Subject: RE: GJ West Coop Unit # 252; NSL Application

Dear Ms. Odom

I was unaware of Order 3127-E. It appears to grant a blanket exception which obviates the need to apply for a simultaneous dedication exception for this particular well. That being the case, I will proceed with processing the NSL application.

I apologize for the confusion.

Sincerely
David Brooks

From: Robyn Odom [mailto:rodom@conchoresources.com]
Sent: Tuesday, May 26, 2009 10:26 AM
To: Brooks, David K., EMNRD
Cc: Phyllis Edwards
Subject: RE: GJ West Coop Unit # 252; NSL Application

Dear Mr. Brooks,

COG would like you to submit the application for simultaneous dedication. I have attached a previous approval letter for simultaneous dedication in this unit to this email. I do not know if the ruling was for the entire GJ Unit, but just in case, I thought I would attach it. Please let me know if there is any more information you need from me in this process.

Thank you,

Robyn Odom
X14385

From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Tuesday, May 26, 2009 11:05 AM
To: Robyn Odom
Subject: RE: GJ West Coop Unit # 252; NSL Application

Dear Ms. Odom

At this point I am not sure.

The rule regarding simultaneous dedication exceptions, Rule 15.11.C provides that such exceptions will be granted "only after notice and opportunity for hearing" and requires notice to all offsetting operators or owners. So you would have to give notice to affected persons in all the offsetting units if there are any. We have granted SDs without hearing where notice was given to all offsets, and no objection was received.

If COG owns all the offsetting units, of course, there would be no one to notify under this proceeding. I am not sure what the division's policy would be under those circumstances, and would have to consult on the matter.

Sincerely
David

From: Robyn Odom [mailto:rodom@conchoresources.com]
Sent: Thursday, May 21, 2009 3:56 PM
To: Brooks, David K., EMNRD
Subject: RE: GJ West Coop Unit # 252; NSL Application

Dear Mr. Brooks,

If I say yes for you to submit it as an application for simultaneous dedication, could it possibly go to hearing? Or what would the next step be in the process?

Thank you,

Robyn Odom
X14385

From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Thursday, May 21, 2009 4:36 PM
To: Robyn Odom
Subject: RE: GJ West Coop Unit # 252; NSL Application

Dear Ms. Odom

I have again reviewed the OCD records, and they show all of these wells as completed in the Grayburg-Jackson Seven Rivers/Queen/Grayburg/Glorieta/Yeso Pool. This is a single pool, although a number of different strata are included. If these wells are not actually producing within the defined vertical limits of that pool, then the records need to be corrected. If they are producing within the vertical limits of that pool, then a simultaneous dedication exception is required to allow a fifth well in the unit.

Please advise if you want the material submitted to be considered as an application for simultaneous dedication.

Sincerely

David K. Brooks
Legal Examiner
505-476-3450

From: Robyn Odom [mailto:rodom@conchoresources.com]
Sent: Thursday, May 21, 2009 2:05 PM
To: Brooks, David K., EMNRD
Subject: RE: GJ West Coop Unit # 252; NSL Application

Dear Mr. Brooks,

Our records indicate that the GJ 119 & 120 produced from the Grayburg San Anders from 1993-2007 and are presently producing from the Paddock. The GJ 157 & 184 are producing from the Blinbry. The GJ 252 is scheduled to be drilled to the Blinbry.

The GJ 120 is a non-standard location which interrupted the normal 10 acre spacing pattern. Therefore, COG Operating, LLC planned drilling the 252 to complete the 10 acre spacing. We have attached a map showing Section 21 with the TDs for Unit F locations. COG owns all of Section 21.

Thank you,

Robyn Odom
X14385

From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Tuesday, May 19, 2009 12:34 PM
To: Robyn Odom
Subject: GJ West Coop Unit # 252; NSL Application

Dear Ms. Odom

It looks like you already have four active wells completed in the Grayburg Jackson in this 40-acre unit. Is this a secondary recovery unit. I did not find anything to so indicate.

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Sincerely

David

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