

DATE <u>4/12/10</u>	SUSPENSE	ENGINEER <u>DB</u>	LOGGED IN <u>4/13/10</u>	TYPE <u>NSL</u>	APP NO. <u>PMW 1010330410</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



C.O.G.
6179
GOV. WASH. GOV
UNIT #306
3-05-NA

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

[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

See 2/175/29E
UNITG Bandy
 200 APR 12 P 1:0
 RECEIVED OGD
 INTEREST-ARE THE SAME

[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

4/9/10
 Date

(432) 685-4385
 Phone Number

rododm@conchoresources.com
 E-mail Address

**G J West Coop Unit #306
Eddy County, NM**

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

Non-standard Location:

SHL: 1345' FNL & 1550' FEL Sec 21, T17S, R29E, Unit G
BHL: 1650' FNL & 1330' FEL Sec 21, T17S, R29E, Unit G

This well had to be staked at a non-standard location due to an electrical line.

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 NW/4 NE/4, the NE/4 NE/4, and the
SE/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 306
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3584'

Surface Location

UL or lot No. G	Section 21	Township 17-S	Range 29-E	Lot Idn	Feet from the 1345	North/South line NORTH	Feet from the 1550	East/West line EAST	County EDDY
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Bottom Hole Location If Different From Surface

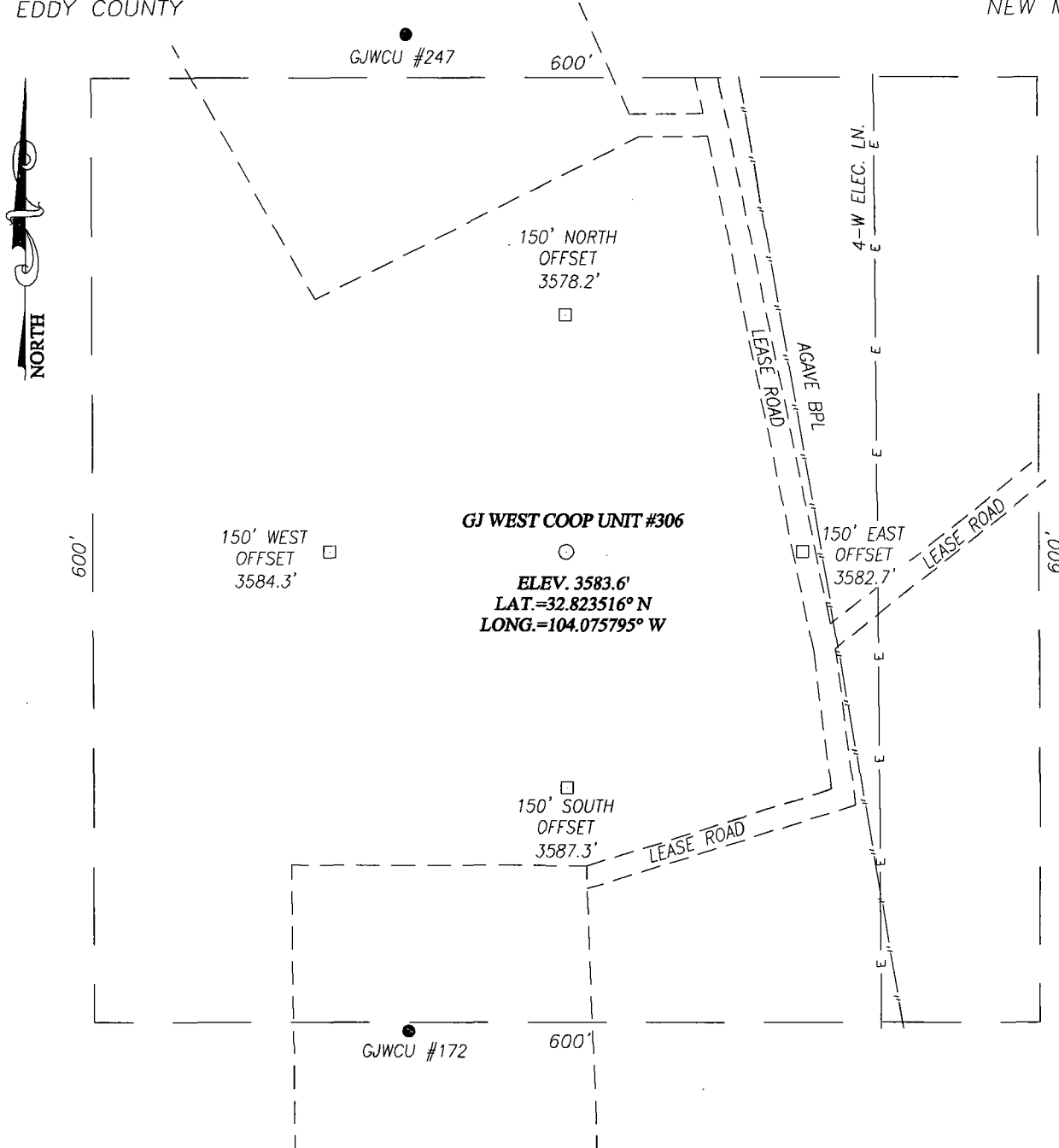
UL or lot No. G	Section 21	Township 17-S	Range 29-E	Lot Idn	Feet from the 1650	North/South line NORTH	Feet from the 1330	East/West line EAST	County EDDY
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

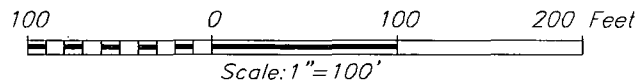
	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this 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. <i>Robyn Odom</i> 4/9/2010 Signature Date Robyn Odom Printed Name
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=663402.5 N X=579113.9 E LAT.=32.823516° N LONG.=104.075795° W BOTTOM HOLE LOCATION Y=663098.7 N X=579335.2 E	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 LA REV 4/8/10 Signature & Seal of Professional Surveyor <i>Gary G. Eidson</i> 4/8/10 10.13.0472 Certificate No. GARY G. 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

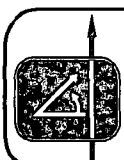
FROM THE INTERSECTION OF U.S. HWY. #82 AND CO.
 RD. #212 (VALLEY GAS RD.), GO NORTHWEST
 APPROX. 0.4 MILES. VEER RIGHT AND GO NORTH
 APPROX. 0.2 MILES. TURN RIGHT AND GO EAST
 APPROX. 0.3 MILES. TURN RIGHT AND GO SOUTH
 APPROX. 0.1 MILES. THIS LOCATION STAKE IS
 APPROX. 130 FEET WEST.



COG OPERATING, LLC

GJ WEST COOP UNIT #306 WELL
 LOCATED 1345 FEET FROM THE NORTH LINE
 AND 1550 FEET FROM THE EAST LINE OF SECTION 21,
 TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO

Survey Date: 3/18/10	Sheet 1 of 1 Sheets
W.O. Number: 10.11.0369	Dr By: LA
Date: 3/25/10	10110369
	Scale: 1"=100'



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



COG Operating LLC

Eddy County, NM (NAN27 NME)

GJ West Coop Unit #306

GJ #306

OH

Plan: Plan #1 - 7-7-/8" Hole

SHL = 1345' FNL & 1550' FEL

BHL = 1650' FNL & 1330' FEL

Top of Paddock = 1650' FNL & 1330' FEL @ 3850' TVD

Standard Planning Report

09 April, 2010





Scientific Drilling
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site GJ West Coop Unit #306
Company:	COG Operating LLC	TVD Reference:	GL Elev @ 3584.00ft
Project:	Eddy County, NM (NAN27 NME)	MD Reference:	GL Elev @ 3584.00ft
Site:	GJ West Coop Unit #306	North Reference:	Grid
Well:	GJ #306	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1 - 7-7-/8" Hole		

Project	Eddy County, NM (NAN27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	GJ West Coop Unit #306		
Site Position:		Northing:	663,402.50 ft
From:	Map	Easting:	579,113.90 ft
Position Uncertainty:	0.00 ft	Slot Radius:	0 "
		Latitude:	32° 49' 24.657 N
		Longitude:	104° 4' 32.862 W
		Grid Convergence:	0.14 °

Well	GJ #306		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	Ground Level:
			3,584.00 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF200510	2010/04/09	7.99
			Dip Angle
			60.70
			Field Strength
			49,070

Design	Plan #1 - 7-7-/8" Hole		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction
			(°)
			143.93

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(ft)	(ft)	Rate	Rate	Rate	(°)	
(ft)			(ft)			(°/100ft)	(°/100ft)	(°/100ft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,444.12	8.88	143.93	1,442.35	-27.77	20.23	2.00	2.00	0.00	143.93	
3,433.29	8.88	143.93	3,407.65	-276.03	201.07	0.00	0.00	0.00	0.00	
3,877.41	0.00	0.00	3,850.00	-303.80	221.30	2.00	-2.00	0.00	180.00	TG1-GJ #306
5,627.41	0.00	0.00	5,600.00	-303.80	221.30	0.00	0.00	0.00	0.00	PBHL-GJ #306



Scientific Drilling
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site GJ West Coop Unit #306
Company:	COG Operating LLC	TVD Reference:	GL Elev @ 3584.00ft
Project:	Eddy County, NM (NAN27 NME)	MD Reference:	GL Elev @ 3584.00ft
Site:	GJ West Coop Unit #306	North Reference:	Grid
Well:	GJ #306	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1 - 7-7/8" Hole		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
8-5/8" Casing									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Start Build 2.00°/100'									
1,100.00	2.00	143.93	1,099.98	-1.41	1.03	1.75	2.00	2.00	0.00
1,200.00	4.00	143.93	1,199.84	-5.64	4.11	6.98	2.00	2.00	0.00
1,300.00	6.00	143.93	1,299.45	-12.68	9.24	15.69	2.00	2.00	0.00
1,400.00	8.00	143.93	1,398.70	-22.53	16.42	27.88	2.00	2.00	0.00
1,444.12	8.88	143.93	1,442.35	-27.77	20.23	34.36	2.00	2.00	0.00
EOC hold 8.88°									
1,500.00	8.88	143.93	1,497.55	-34.74	25.31	42.98	0.00	0.00	0.00
1,600.00	8.88	143.93	1,596.35	-47.22	34.40	58.43	0.00	0.00	0.00
1,700.00	8.88	143.93	1,695.15	-59.71	43.49	73.87	0.00	0.00	0.00
1,800.00	8.88	143.93	1,793.96	-72.19	52.58	89.31	0.00	0.00	0.00
1,900.00	8.88	143.93	1,892.76	-84.67	61.67	104.75	0.00	0.00	0.00
2,000.00	8.88	143.93	1,991.56	-97.15	70.77	120.19	0.00	0.00	0.00
2,100.00	8.88	143.93	2,090.36	-109.63	79.86	135.63	0.00	0.00	0.00
2,200.00	8.88	143.93	2,189.16	-122.11	88.95	151.07	0.00	0.00	0.00
2,300.00	8.88	143.93	2,287.96	-134.59	98.04	166.51	0.00	0.00	0.00
2,400.00	8.88	143.93	2,386.76	-147.07	107.13	181.95	0.00	0.00	0.00
2,500.00	8.88	143.93	2,485.56	-159.55	116.22	197.39	0.00	0.00	0.00
2,600.00	8.88	143.93	2,584.36	-172.03	125.31	212.83	0.00	0.00	0.00
2,700.00	8.88	143.93	2,683.16	-184.51	134.41	228.27	0.00	0.00	0.00
2,800.00	8.88	143.93	2,781.96	-196.99	143.50	243.72	0.00	0.00	0.00
2,900.00	8.88	143.93	2,880.76	-209.47	152.59	259.16	0.00	0.00	0.00
3,000.00	8.88	143.93	2,979.56	-221.95	161.68	274.60	0.00	0.00	0.00
3,100.00	8.88	143.93	3,078.36	-234.43	170.77	290.04	0.00	0.00	0.00
3,200.00	8.88	143.93	3,177.17	-246.91	179.86	305.48	0.00	0.00	0.00
3,300.00	8.88	143.93	3,275.97	-259.39	188.95	320.92	0.00	0.00	0.00
3,400.00	8.88	143.93	3,374.77	-271.88	198.04	336.36	0.00	0.00	0.00
3,433.29	8.88	143.93	3,407.65	-276.03	201.07	341.50	0.00	0.00	0.00
Start Drop 2.00°/100'									
3,500.00	7.55	143.93	3,473.68	-283.73	206.68	351.03	2.00	-2.00	0.00
3,600.00	5.55	143.93	3,573.02	-292.95	213.40	362.44	2.00	-2.00	0.00
3,700.00	3.55	143.93	3,672.70	-299.36	218.07	370.37	2.00	-2.00	0.00
3,800.00	1.55	143.93	3,772.60	-302.95	220.68	374.81	2.00	-2.00	0.00
3,877.41	0.00	0.00	3,850.00	-303.80	221.30	375.86	2.00	-2.00	0.00
EOC hold 0.00° - TG1-GJ #306									
5,627.41	0.00	0.00	5,600.00	-303.80	221.30	375.86	0.00	0.00	0.00
PBHL-GJ #306									



Scientific Drilling
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site GJ West Coop Unit #306
Company:	COG Operating LLC	TVD Reference:	GL Elev @ 3584.00ft
Project:	Eddy County, NM (NAN27 NME)	MD Reference:	GL Elev @ 3584.00ft
Site:	GJ West Coop Unit #306	North Reference:	Grid
Well:	GJ #306	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1 - 7-7-/8" Hole		

Design Targets

Target Name

- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
TG1-GJ #306	0.00	0.00	3,850.00	-303.80	221.30	663,098.70	579,335.20	32° 49' 21.645 N	104° 4' 30.277 W
- plan hits target center									
- Point									
PBHL-GJ #306	0.00	0.00	5,600.00	-303.80	221.30	663,098.70	579,335.20	32° 49' 21.645 N	104° 4' 30.277 W
- plan hits target center									
- Circle (radius 10.00)									

Casing Points

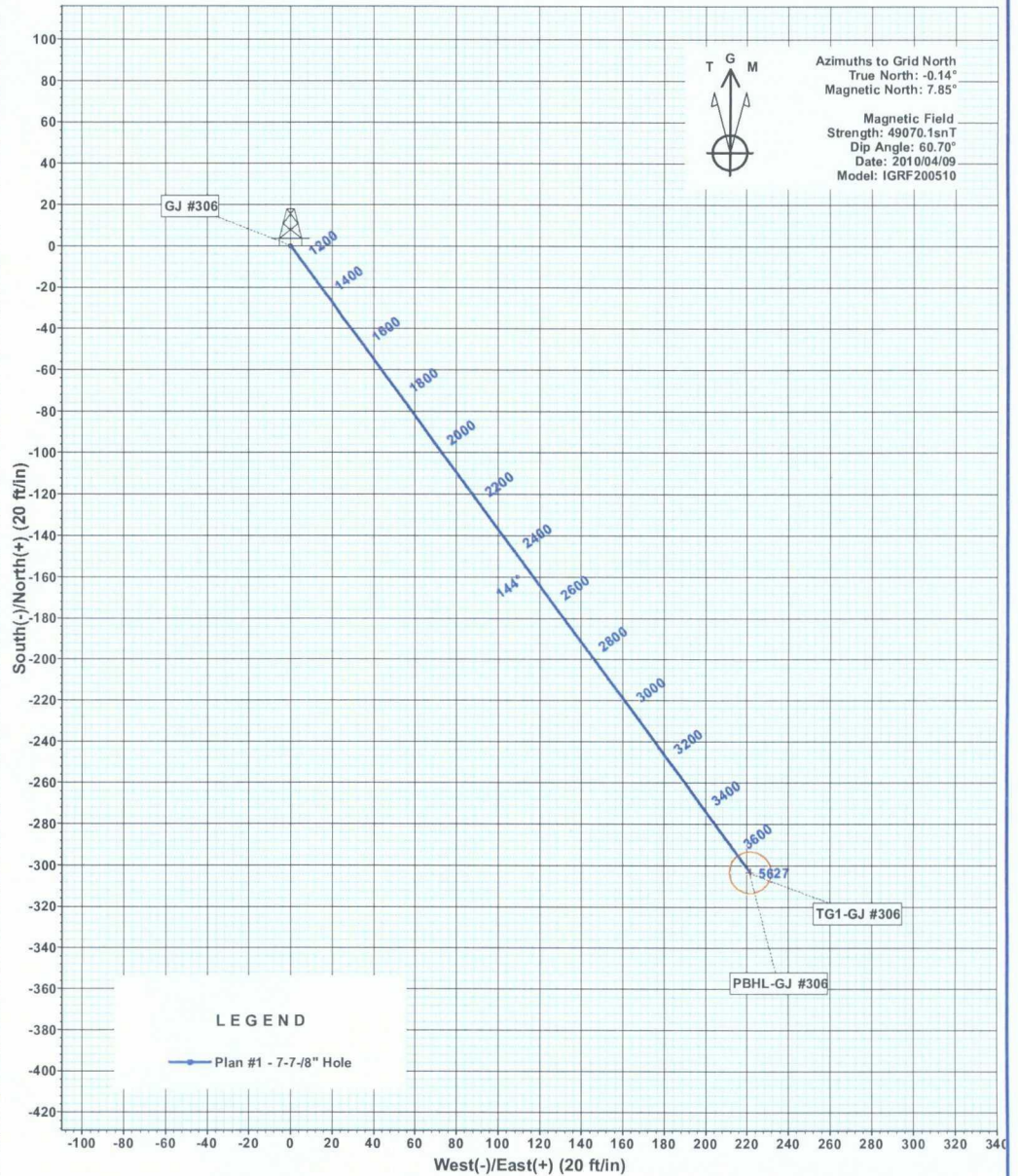
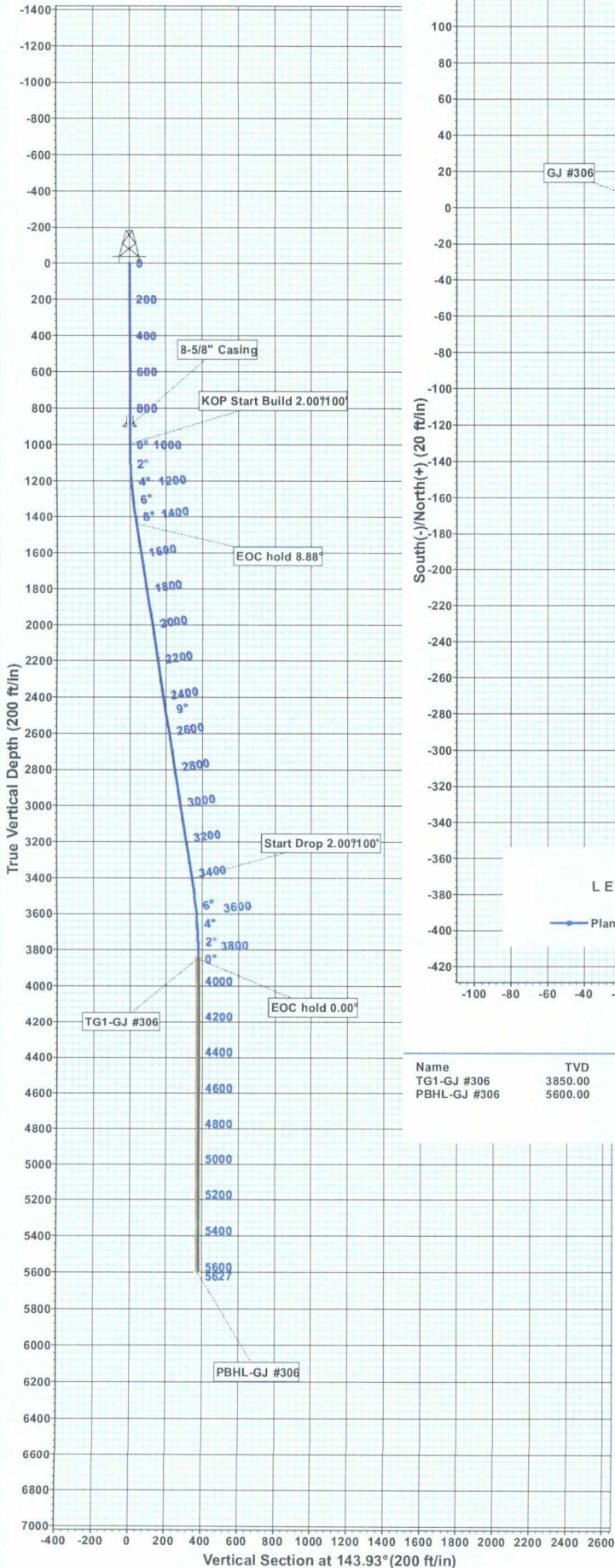
Measured Depth	Vertical Depth		Casing Diameter	Hole Diameter
(ft)	(ft)	Name	(")	(")
900.00	900.00	8-5/8" Casing	8-5/8	12-1/4

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
1,000.00	1,000.00	0.00	0.00	KOP Start Build 2.00°/100'
1,444.12	1,442.35	-27.77	20.23	EOC hold 8.88°
3,433.29	3,407.65	-276.03	201.07	Start Drop 2.00°/100'
3,877.41	3,850.00	-303.80	221.30	EOC hold 0.00°



Scientific Drilling for COG Operating LLC
Site: Eddy County, NM (NAN27 NME)
Well: GJ #306
Wellbore: OH
Design: Plan #1 - 7-7/8" Hole



WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
TG1-GJ #306	3850.00	-303.80	221.30	663098.70	579335.20	32°49' 21.645 N	104°4' 30.277 W	Point
PBHL-GJ #306	5600.00	-303.80	221.30	663098.70	579335.20	32°49' 21.645 N	104°4' 30.277 W	Circle (Radius: 10.0 0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	
3	1444.12	8.88	143.93	1442.35	-27.77	20.23	2.00	143.93	34.36	
4	3433.29	8.88	143.93	3407.65	-276.03	201.07	0.00	0.00	341.50	
5	3877.41	0.00	0.00	3850.00	-303.80	221.30	2.00	180.00	375.86	TG1-GJ #306
6	5627.41	0.00	0.00	5600.00	-303.80	221.30	0.00	0.00	375.86	PBHL-GJ #306

WELL DETAILS: GJ #306

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	663402.50	579113.90	32°49' 24.657 N	104°4' 3 2.862 W	

PROJECT DETAILS: Eddy County, NM (NAN27 NME)

Plan: Plan #1 - 7-7/8" Hole (GJ #306/OH)

Geodetic System: US State Plane 1927 (Exact solution)	Created By: Julio Pina	Date: 09-Apr-10
Datum: NAD 1927 (NADCON CONUS)	Checked: _____	Date: _____
Ellipsoid: Clarke 1866	Reviewed: _____	Date: _____
Zone: New Mexico East 3001	Approved: _____	Date: _____
System Datum: Mean Sea Level		

Offset Wells to G J West Coop Unit #306

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, R:29E	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, R:29E	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, R:29E	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, R:29E	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, R:29E	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, R:29E	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, R:29E	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, R:29E	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, R:29E	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, R:29E	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, R:29E	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, R:29E	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, R:29E	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, 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	S21, T:17S, R:29E	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, R:29E	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, R:29E	GRAYBURG JACKSON	SR-Q-G-SA		4,300	PO	Pumping	Jan 1993	Apr 2007

30-015-25466	COG OPERATING LLC	WEST COOP UNIT	073	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,400	PO	Pumping	Jan 1993	Apr 2007
30-015-25489	COG OPERATING LLC	WEST COOP UNIT	78	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,413	PO	Pumping	Jan 1993	Apr 2007
30-015-25500	COG OPERATING LLC	WEST COOP UNIT	075	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,465	PO	Pumping	Jan 1993	Apr 2007
30-015-25610	COG OPERATING LLC	WEST COOP UNIT	82	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,465	O	Pumping	Jan 1993	Apr 2007
30-015-25633	COG OPERATING LLC	WEST COOP UNIT	080	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,490	PO	Pumping	Jan 1993	Apr 2007
30-015-25691	COG OPERATING LLC	WEST COOP UNIT	081	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,673	PO	Pumping	Jan 1993	Apr 2007
30-015-26743	COG OPERATING LLC	WEST COOP UNIT	79	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,490	PO	Pumping	Jul 1991	Apr 2007
30-015-26769	COG OPERATING LLC	WEST COOP UNIT	99	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,525	O	Pumping	Jan 1993	Apr 2007
30-015-26838	COG OPERATING LLC	WEST COOP UNIT	101	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,450	PO	Pumping	Dec 1991	Apr 2007
30-015-26839	COG OPERATING LLC	WEST COOP UNIT	102	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,450	PO	Pumping	Dec 1991	Apr 2007
30-015-26840	COG OPERATING LLC	WEST COOP UNIT	100	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	5,536	O	Pumping	Jan 1993	Apr 2007
30-015-27257	COG OPERATING LLC	WEST COOP UNIT	104	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	5,050	PO	Pumping	Jun 1993	Apr 2007
30-015-27259	COG OPERATING LLC	WEST COOP UNIT	106	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	5,050	O	Pumping	Jun 1993	Apr 2007
30-015-27358	COG OPERATING LLC	WEST COOP UNIT	113	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,450	PO	Pumping	Jun 1993	Apr 2007
30-015-27359	COG OPERATING LLC	WEST COOP UNIT	114	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	5,518	O	Pumping	Jun 1993	Apr 2007
30-015-27360	MACK ENERGY CORP	WEST COOP UNIT	115	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON SR QN GB SA	SR-Q-G-SA	4,758	O	Pumping	Jul 1993	Apr 2007
30-015-27362	MACK ENERGY CORP	WEST COOP UNIT	117	EDDY	S21, T:17S, R:29E	GRAYBURG JACKSON SR QN GB SA	SR-Q-G-SA	4,920	O	Pumping	Jul 1993	Apr 2007
		G J WEST			S21,							

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

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	GRAYBURG JACKSON						
30-015-27259		106	EDDY		GRAYBURG JACKSON	SR-Q-G-SA	5,050	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
	G J WEST COOP UT			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
	STATE B			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
	STATE B			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
	STATE B			S21, T:17S, R:29E							
30-015-00000	COCKBURN, BARNEY MANA RESOURCES, INCORPORATED	002	EDDY		RED LAKE POOL			O	Active	Aug 1955	Dec 1955
	RAMAPO ST.			S21, T:17S, R:29E							
30-015-00000	STATE 21 COM	001	EDDY		GRAYBURG	MORROW		G	Active	Apr 1971	Dec 1971
	STATE B9563			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
	STATE B9563			S21, T:17S, R:29E							
30-015-30874	COG OPERATING LLC	1	EDDY		SWD	CISCO	11,150	U	Flowing	Nov 2005	Jan 2010
	CHASE 21 STATE COM			S21, T:17S, R:29E							
30-015-33464	COG OPERATING LLC	001	EDDY		RED LAKE	QUEEN-GRAYBURG-SA	13,000	G	Active		
	PATRIOT STATE COM			S21, T:17S, R:29E							

30-015-35723	COG OPERATING LLC	G J WEST COOP UNIT	172	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			5,630	O	Active Permit	Feb 2008	Jan 2010
30-015-35724	COG OPERATING LLC	G J WEST COOP UNIT	173	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			5,625	O	Active Permit	Jan 2008	Jan 2010
30-015-35725	COG OPERATING LLC	G J WEST COOP UNIT	174	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			5,629	O	Active Permit	Dec 2007	Jan 2010
30-015-10764	COG OPERATING LLC	G J WEST COOP UNIT	033	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			3,707	G	Flowing	Jan 2005	Jan 2010
30-015-10807	COG OPERATING LLC	G J WEST COOP UNIT	029	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			2,855	G	Flowing	Jan 2005	Jan 2010
30-015-10822	COG OPERATING LLC	G J WEST COOP UNIT	047	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			2,720	G	Flowing	Jan 2005	Jan 2010
30-015-20351	COG OPERATING LLC	G J WEST COOP UNIT	123	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			7,005	O	Pumping	Jan 2005	Jan 2010
30-015-27259	COG OPERATING LLC	G J WEST COOP UNIT	106	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			5,050	O	Pumping	Jan 2005	Jan 2010
30-015-27360	COG OPERATING LLC	G J WEST COOP UNIT	115	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,758	O	Pumping	Jan 2005	Jan 2010
30-015-27362	COG OPERATING LLC	G J WEST COOP UNIT	117	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,920	O	Pumping	Jan 2005	Jan 2010
30-015-27377	COG OPERATING LLC	G J WEST COOP UNIT	107	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			5,555	O	Pumping	Jan 2005	Jan 2010
30-015-28513	COG OPERATING LLC	G J WEST COOP UNIT	131	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			5,562	O	Pumping	Jan 2005	Jan 2010
30-015-29180	COG OPERATING LLC	G J WEST COOP UNIT	140	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			7,500	O	Pumping	Jan 2005	Jan 2010
30-015-29298	COG OPERATING LLC	G J WEST COOP UNIT	141	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			5,530	O	Pumping	Jan 2005	Jan 2010
30-015-03028	COG OPERATING LLC	G J WEST COOP UNIT	024	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			3,313	O	Active	Jan 2005	Jan 2010
30-015-10797	COG OPERATING LLC	G J WEST COOP UNIT	023	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			7,900	O	Pumping	Jan 2005	Jan 2010
30-015-10808	COG OPERATING LLC	G J WEST COOP UNIT	032	EDDY	S21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			0	O	Pumping	Jan 2005	Jan 2010

30-015-10811	COG OPERATING LLC	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	Jan 2010
30-015-20124	COG OPERATING LLC	G J 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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
30-015-25681	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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
		G J WEST			S:21,								

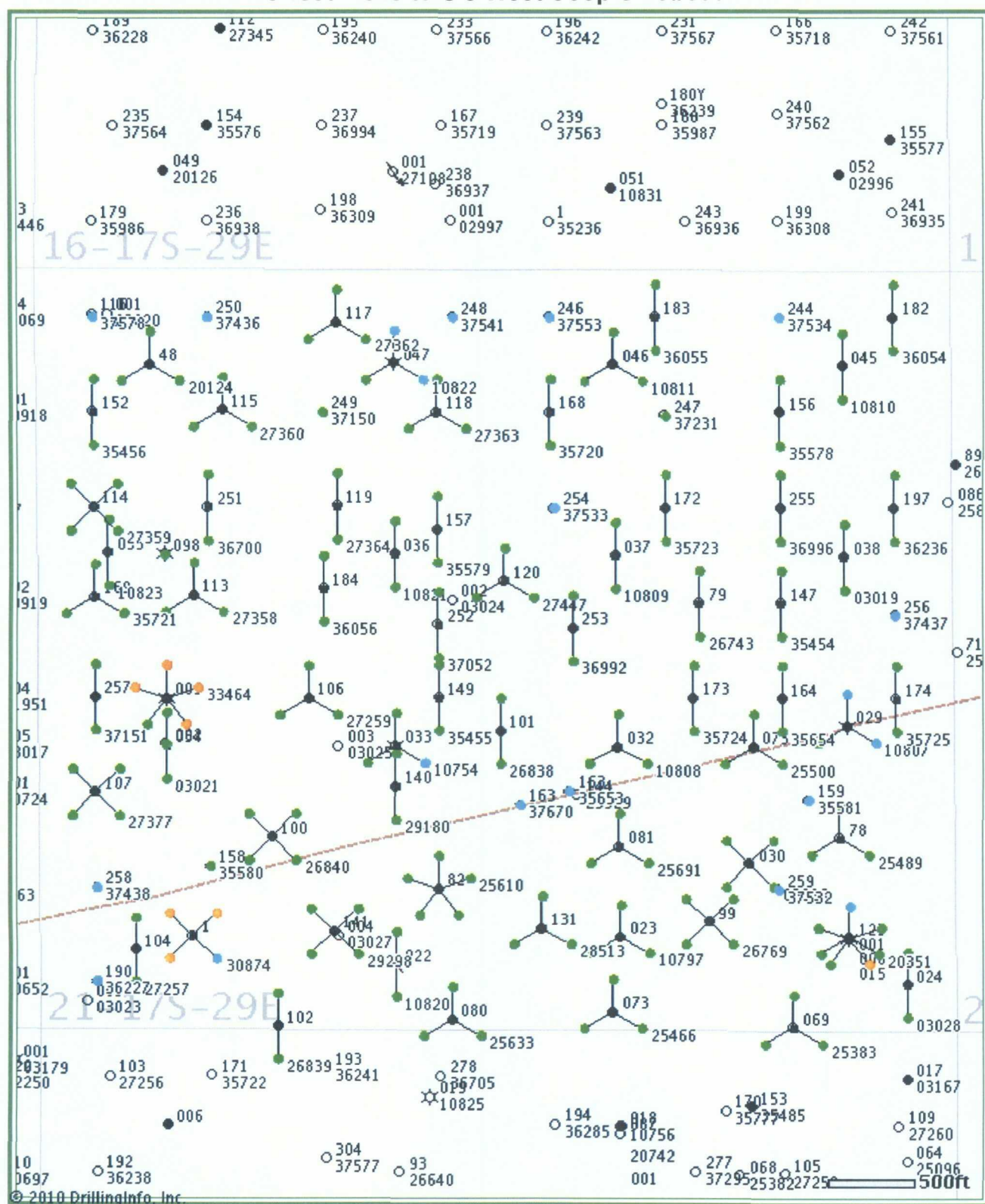
30-015-27363	COG OPERATING LLC	COOP UNIT	118	EDDY	T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,415	PO	Pumping	Jan 2005	Jan 2010
30-015-27364	COG OPERATING LLC	G J WEST COOP UNIT	119	EDDY	S:21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)			4,400	PO	Pumping	Jan 2005	Jan 2010
30-015-27447	COG OPERATING 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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
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	Jan 2010
	COG	G J WEST COOP UNIT			S:21, T:17S,								

30-015-27377	OPERATING LLC	UNIT	107	EDDY	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, R.29E	GJ, 7RVS-QN-GB-GLORIETA-YESO		5,473	O	Active Permit	
30-015-36055	COG OPERATING LLC	G J WEST COOP UNIT	183	EDDY	S.21, T.17S, R.29E	GJ, 7RVS-QN-GB-GLORIETA-YESO		5,450	O	Active Permit	
30-015-29298	COG OPERATING LLC	G J WEST COOP UNIT	141	EDDY	S.21, T.17S, R.29E	EMPIRE	YESO, EAST	5,530	O	Pumping	
30-015-27377	COG OPERATING LLC	G J WEST COOP 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	251	EDDY	S.21, T.17S, R.29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)		5,459	O	Active Permit	Feb 2009 Jan 2010
30-015-36236	COG OPERATING LLC	G J WEST COOP 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	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	141	EDDY	S.21, T.17S, R.29E	GJ, 7RVS-QN-GB-GLORIETA-YESO		5,530	O	Pumping	
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, EMPIRE; GLORIETA-YESO, EAST		4,465	O	Pumping	
30-015-26769	COG OPERATING LLC	G J WEST COOP 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	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	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	255	EDDY	S.21, T.17S, R.29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)		5,508	O	Active Permit	May 2009 Jan 2010
30-015-36992	COG OPERATING LLC	G J WEST COOP UNIT	253	EDDY	S.21, T.17S, R.29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)		5,502	O	Active Permit	Jun 2009 Jan 2010
30-015-37052	COG OPERATING LLC	G J WEST COOP UNIT	252	EDDY	S.21, T.17S, R.29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)		5,501	O	Active Permit	Jun 2009 Jan 2010
30-015-36996	COG OPERATING LLC	G J WEST COOP UNIT	255	EDDY	S.21, T.17S, R.29E	GJ, 7RVS-QN-GB-GLORIETA-YESO		5,508	O	Active Permit	

30-015-36992	COG OPERATING LLC	COOP UNIT	253	EDDY	T:17S, R:29E	GJ7RVS-QN-GB-GLORIETA-YESO			5,502	O	Active Permit		
30-015-37052	COG OPERATING LLC	G J WEST COOP UNIT	252	EDDY	S:21, T:17S, R:29E	GJ7RVS-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 GJ7RVS-QN-GB-SA\GL-Y(PADDOCK)			5,498	O	Active Permit	Oct 2009	Jan 2010
30-015-37150	COG OPERATING LLC	G J WEST COOP UNIT	249	EDDY	S:21, T:17S, R:29E	WC GJ7RVS-QN-GB-SA\GL-Y(PADDOCK)			5,550	PO	Active Permit	Sep 2009	Jan 2010
30-015-37231	COG OPERATING LLC	G J WEST COOP UNIT	247	EDDY	S:21, T:17S, R:29E	WC GJ7RVS-QN-GB-SA\GL-Y(PADDOCK)			5,550	PO	Active Permit	Nov 2009	Jan 2010
30-015-26840	COG OPERATING LLC	G J WEST COOP UNIT	100	EDDY	S:21, T:17S, R:29E	GJ7RVS-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	GJ7RVS-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		
30-015-37436	COG OPERATING LLC	G J WEST COOP UNIT	250	EDDY	S:21, T:17S, R:29E	WC GJ7RVS-QN-GB-SA\GL-Y(PADDOCK)			5,600	PO	Active Permit		
30-015-37437	COG OPERATING LLC	G J WEST COOP UNIT	256	EDDY	S:21, T:17S, R:29E	WC GJ7RVS-QN-GB-SA\GL-Y(PADDOCK)			5,600	PO	Active Permit		
30-015-37438	COG OPERATING LLC	G J WEST COOP UNIT	258	EDDY	S:21, T:17S, R:29E	WC GJ7RVS-QN-GB-SA\GL-Y(PADDOCK)			5,600	PO	Active Permit		
30-015-37151	COG OPERATING LLC	G J WEST COOP UNIT	257	EDDY	S:21, T:17S, R:29E	GJ7RVS-QN-GB-GLORIETA-YESO			5,498	O	Active Permit		
30-015-37532	COG OPERATING LLC	G J WEST COOP UNIT	259	EDDY	S:21, T:17S, R:29E	WC GJ7RVS-QN-GB-SA\GL-Y(PADDOCK)			5,550	PO	Active Permit		
30-015-37533	COG OPERATING LLC	G J WEST COOP UNIT	254	EDDY	S:21, T:17S, R:29E	WC GJ7RVS-QN-GB-SA\GL-Y(PADDOCK)			5,550	PO	Active Permit		
30-015-37534	COG OPERATING LLC	G J WEST COOP UNIT	244	EDDY	S:21, T:17S, R:29E	WC GJ7RVS-QN-GB-SA\GL-Y(PADDOCK)			5,550	PO	Active Permit		
30-015-37541	COG OPERATING LLC	G J WEST COOP UNIT	248	EDDY	S:21, T:17S, R:29E	WC GJ7RVS-QN-GB-SA\GL-Y(PADDOCK)			5,550	PO	Active Permit		
COG		G J WEST COOP UNIT			S:21, T:17S,								

30-015-37553	OPERATING LLC	UNIT G J WEST COOP UNIT	246	EDDY	R:29E S:21, T:17S, R:29E	WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)		5,550	PO	Active Permit		
30-015-37578	COG OPERATING LLC		302	EDDY		WC GJ(7RVS-QN-GB-SA)GL-Y(PADDOCK)		5,550	PO	Active Permit		

Offset Wells to G J West Coop Unit #306



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