

DATE IN 6-30-10	SUSPENSE	ENGINEER DB.	LOGGED IN 6-30-10	TYPE NSC	APP NO. 1018146793
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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

Folk Federal #32

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]

Eddy Co.

[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 _____**

2010 JUN 30 P 12:07

RECEIVED OOD

INTEREST ARE THE SAME

[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

[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]
Signature

REGULATORY ANALYST
Title

6/29/10
Date

(432) 685-4385
Phone Number

rododm@conchoresources.com
E-mail Address

**Folk Federal #32
Eddy County, NM**

COG proposes to drill a SW/4 NE/4, 40 acre spacing
Empire; Glorieta-Yeso, East Oil Well
TD of approximately 5500'

Non-Standard Location:

1560' FNL & 2404' FEL Sec 17, T17S, R29E, Unit G

**This well had to be drilled at a non-standard location due to
a buried pipeline.**

This well is to be completed in the Empire; Glorieta-Yeso, East (96610) formation. We won't know the exact perms until we drill & log it, but it will be very similar to the Folk Federal #4 which was completed in October 2007 and is located 2310' FNL & 2110' FWL, Unit F in Sec 17, T17S, R29E.

Folk Federal #4 has Yeso open perms from: 4300' – 5160' overall, but broken up into 3 separate intervals, with 3 separate fracs:

1st interval: 4960' – 5160'
acidized w/ 5000 gals,
frac w/ 69,248 gals gel, & 61,172# 16/30 sand, & 5676# LiteProp

2nd interval: 4510' – 4710'
acidized w/ 5000 gals,
frac w/ 68,981 gals gel, & 61,488# 16/30 sand, & 5766# LiteProp

3rd interval: 4300' – 4440'
acidized w/ 5000 gals,
frac w/ 68,906 16/30 sand, & 4330# LiteProp

**Attachment 1
Plat & Map**

**Attachment 2
Map & legend of offset wells.**

Attachment 3
Updated land plat showing that COG Operating LLC owns offset acreage.
The acreage we are encroaching is the SE/4 NW/4, the NE/4 NW/4 and the
NW/4 NE/4 of Section 17.

All interests are the same.

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

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Revised October 12, 2005
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-	Pool Code 96610	Pool Name EMPIRE; GLORIETA-YESO, EAST
Property Code 302495	Property Name FOLK FEDERAL	Well Number 32
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3612'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	17	17-S	29-E		1560	NORTH	2404	EAST	EDDY

Bottom Hole Location If Different From Surface

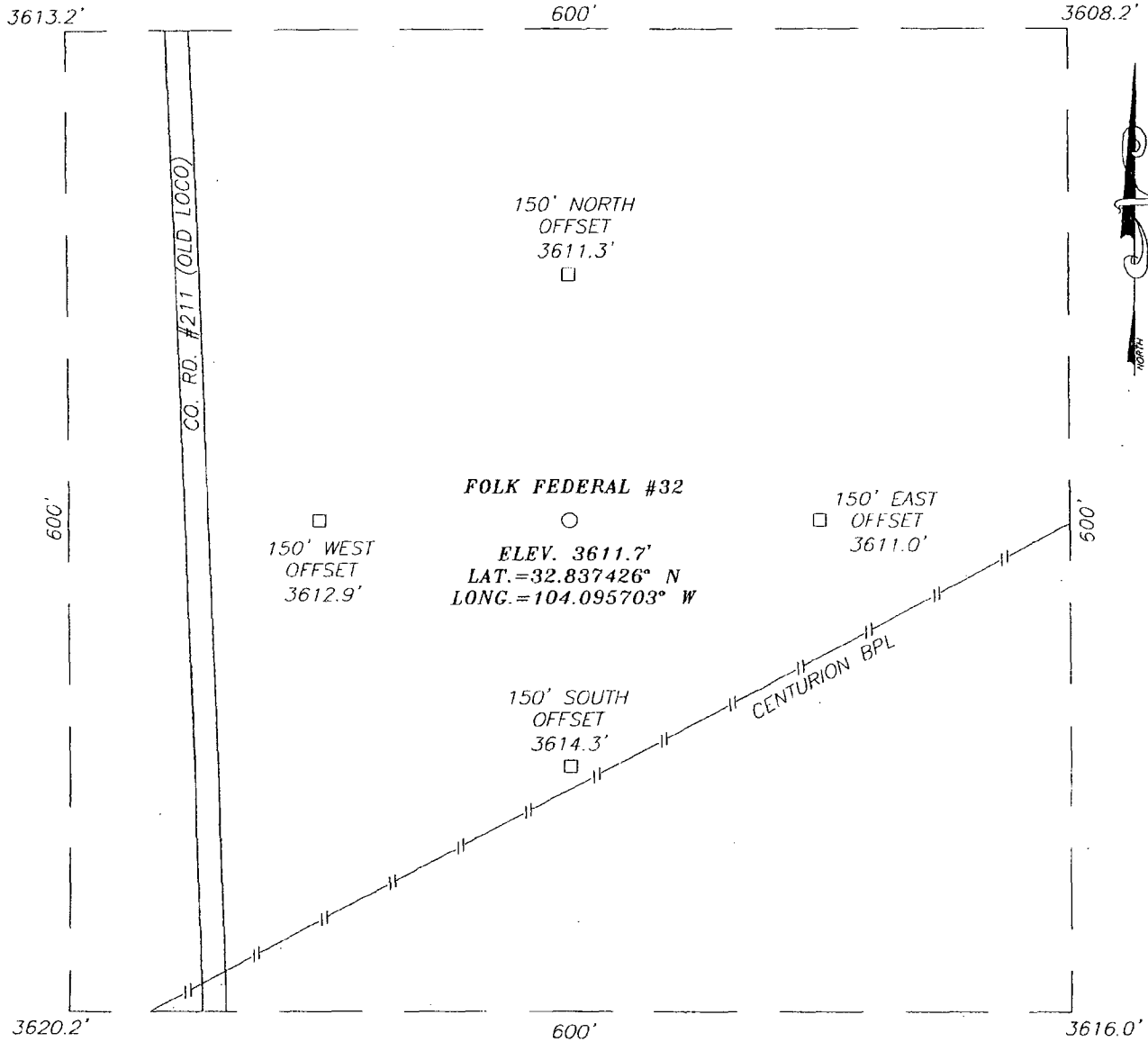
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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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

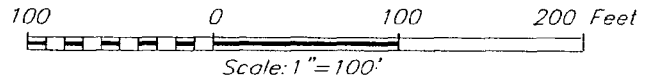
DETAIL 3613.2' 3608.2' 2404' 600' 600' 3620.2' 3616.0' 1500' GEODETIC COORDINATES NAD 27 NME Y=668448.7 N X=572986.8 E LAT.=32.837426° N LONG.=104.095703° W	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization 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> 6/29/2010 Signature Date Robyn Odom Printed Name
	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. RONALD J. EIDSON JUNE 24, 2010 Date Surveyed Signature & Seal of 239 Professional Surveyor <i>Ronald J. Eidson</i> 06/23/2010 10.11.10-7-11
	Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239

SECTION 17, 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. #211 (OLD LOCO RD.), GO NORTH ON CO.
 RD. #211 APPROX. 1.7 MILES. THE LOCATION STAKE
 IS APPROX. 225 FEET EAST OF CO. RD. #211.





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

COG OPERATING, LLC

FOLK FEDERAL #32 WELL
 LOCATED 1560 FEET FROM THE NORTH LINE
 AND 2404 FEET FROM THE EAST LINE OF SECTION 17,
 TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 6/21/10	Sheet 1 of 1 Sheets
W.O. Number: 10.11.0711	Dr By: LA
Date: 6/25/10	10110711
	Scale: 1"=100'

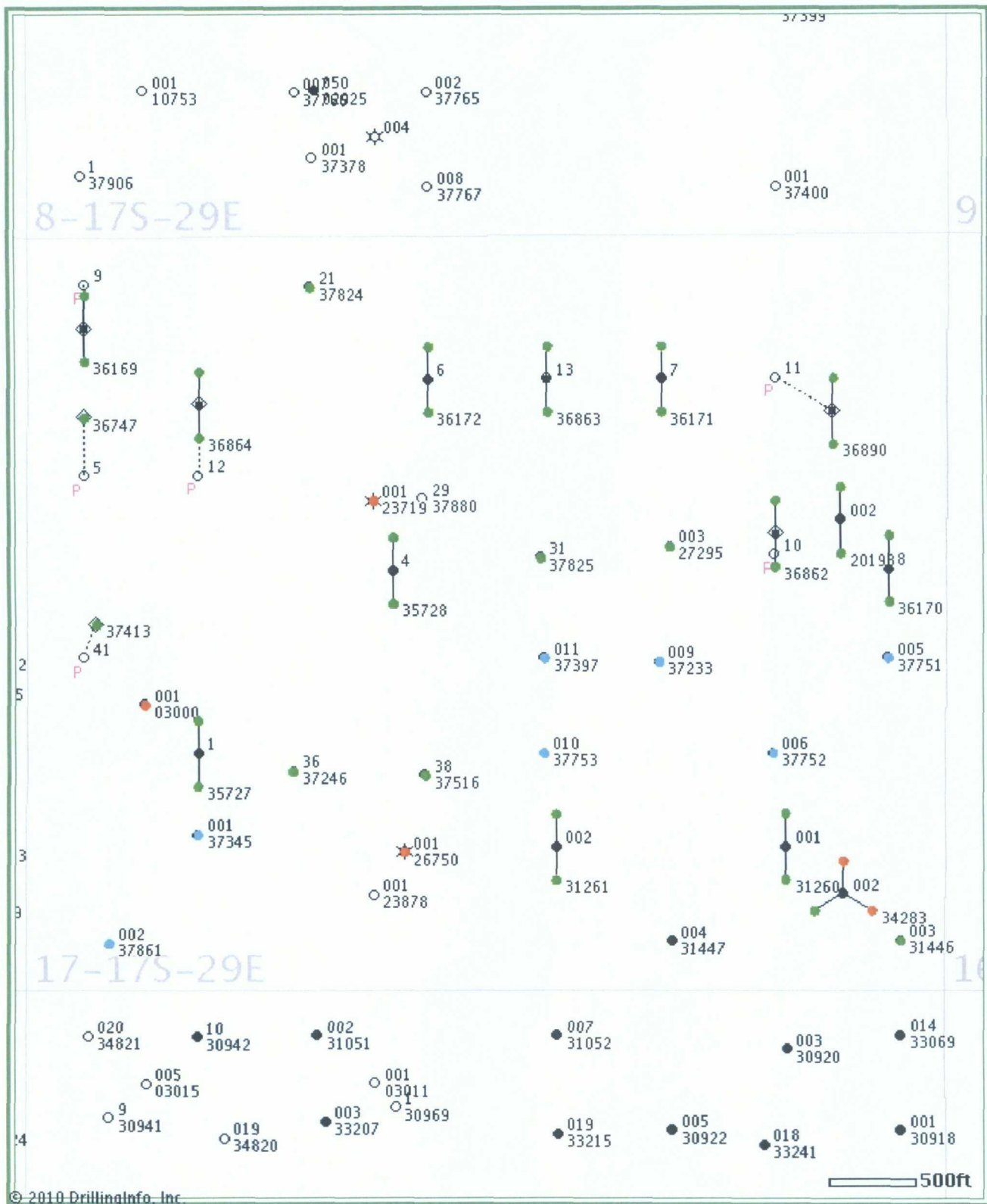
Offset Wells to Folk Federal #32

API#	Operator	Lease	Well#	County	Legal	Field Name	Reservoir Name	Total Depth	Well Type	Well Status	First Prod.	Last Prod.
30-015-20198	MACK ENERGY CORP	FOLK FEDERAL	002	EDDY	S:17, T:17S, R:29E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Active	Jan 1972	Dec 1977
30-015-20198	COG OPERATING LLC	FOLK FEDERAL	002	EDDY	S:17, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Active	Mar 1969	Mar 2010
30-015-23719	COG OPERATING LLC	FEDERAL KL-17	001	EDDY	S:17, T:17S, R:29E	EMPIRE	MORROW, SOUTH (GAS)	10,740	G	Pumping	Aug 1982	Mar 2010
30-015-26750	CONOCOPHILLIPS COMPANY	MUSKEGON "17" STATE COM.	001	EDDY	S:17, T:17S, R:29E	EMPIRE	MORROW, SOUTH (GAS)	10,880	G	Pumping	May 1992	Mar 2010
30-015-27295	COG OPERATING LLC	FOLK FEDERAL	003	EDDY	S:17, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	5,050	PO	Active	Mar 1993	Mar 2010
30-015-31260	CLAYTON WILLIAMS ENERGY INC	PHILLIPS 17 FEDERAL	001	EDDY	S:17, T:17S, R:29E	EMPIRE	YESO, EAST	4,805	O	Temporarily Abandoned	Sep 2000	Apr 2010
30-015-31260	CLAYTON WILLIAMS ENERGY INC	PHILLIPS 17 FEDERAL	001	EDDY	S:17, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,805	O	Temporarily Abandoned	Nov 2000	Apr 2010
30-015-31261	CLAYTON WILLIAMS ENERGY INC	PHILLIPS 17 FEDERAL	002	EDDY	S:17, T:17S, R:29E	EMPIRE	YESO, EAST	4,506	O	Temporarily Abandoned	Sep 2000	Apr 2010
30-015-31261	CLAYTON WILLIAMS ENERGY INC	PHILLIPS 17 FEDERAL	002	EDDY	S:17, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	4,506	O	Temporarily Abandoned	Dec 2000	Apr 2010
30-015-31446	CLAYTON WILLIAMS ENERGY INC	PHILLIPS 17 FEDERAL	003	EDDY	S:17, T:17S, R:29E	EMPIRE	YESO, EAST	4,427	O	Pumping	Jan 2001	Apr 2010
30-015-03000	GRUY PETROLEUM MANAGEMENT CO.	FOLK FEDERAL	001	EDDY	S:17, T:17S, R:29E	EDDY UNDESIGNATED	GROUP 1		O	Active	Jun 1959	Jul 1961
30-015-34283	COG OPERATING LLC	MUSKEGON 17 FEDERAL COM	002	EDDY	S:17, T:17S, R:29E	EMPIRE	MORROW, SOUTH (GAS)	11,500	PG	Active Permit		
30-015-34283	COG OPERATING LLC	MUSKEGON 17 FEDERAL COM	002	EDDY	S:17, T:17S, R:29E	EMPIRE, ABO		11,500	PG	Active Permit		
30-015-34283	CIMAREX ENERGY CO. OF COLORADO	MUSKEGON 17 FEDERAL COM	002	EDDY	S:17, T:17S, R:29E	EMPIRE	ABO	11,500	PG	Active Permit	May 2006	Sep 2007
30-015-35728	COG OPERATING LLC	FOLK FEDERAL	4	EDDY	S:17, T:17S, R:29E	EMPIRE	YESO, EAST	5,600	O	Active Permit	Oct 2007	Mar 2010
30-015-35727	COG OPERATING LLC	FOLK FEDERAL	1	EDDY	S:17, T:17S, R:29E	EMPIRE	YESO, EAST	5,123	O	Active Permit	Nov 2007	Mar 2010
30-015-35728	COG OPERATING LLC	FORK FEDERAL	4	EDDY	S:17, T:17S, R:29E	EMPIRE GLORIETA YESO, EAST		5,600	O	Active Permit		
30-015-35727	COG OPERATING LLC	FOLK FEDERAL	1	EDDY	S:17, T:17S, R:29E	EMPIRE GLORIETA-YESO, EAST		5,123	O	Active Permit		
	COG OPERATING	FOLK			S:17, T:17S,							

30-015-36189	LLC	FEDERAL	9	EDDY	R:29E S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,408	O	Active Permit	Nov 2009	Mar 2010
30-015-36170	COG OPERATING LLC	FOLK FEDERAL	8	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,462	O	Active Permit	Apr 2009	Mar 2010
30-015-36171	COG OPERATING LLC	FOLK FEDERAL	7	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,465	O	Active Permit	Jul 2009	Mar 2010
30-015-36172	COG OPERATING LLC	FOLK FEDERAL	6	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,463	O	Active Permit	Mar 2009	Mar 2010
30-015-36747	COG OPERATING LLC	FOLK FEDERAL	5	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,500	PO	Active Permit		
30-015-36862	COG OPERATING LLC	FOLK FEDERAL	10	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,550	O	Active Permit	Aug 2009	Mar 2010
30-015-36863	COG OPERATING LLC	FOLK FEDERAL	13	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,531	O	Active Permit		
30-015-36864	COG OPERATING LLC	FOLK FEDERAL	12	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,421	O	Active Permit	Sep 2009	Mar 2010
30-015-36890	COG OPERATING LLC	FOLK FEDERAL	11	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,412	O	Active Permit	Dec 2009	Mar 2010
30-015-36172	COG OPERATING LLC	FOLK FEDERAL	6	EDDY	S:17, T:17S, R:29E	EMPIRE		YATES-SEVEN RIVERS	5,463	O	Active Permit		
30-015-36170	COG OPERATING LLC	FOLK FEDERAL	8	EDDY	S:17, T:17S, R:29E	EMPIRE; GLORIETA-YESO, EAST			5,462	O	Active Permit		
30-015-36171	COG OPERATING LLC	FOLK FEDERAL	7	EDDY	S:17, T:17S, R:29E	EMPIRE; GLORIETA-YESO, EAST			5,465	O	Active Permit		
30-015-37233	COG OPERATING LLC	FOLK STATE	009	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,450	PO	Active Permit		
30-015-37246	COG OPERATING LLC	FOLK FEDERAL	36	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,450	PO	Active Permit		
30-015-36864	COG OPERATING LLC	FOLK FEDERAL	12	EDDY	S:17, T:17S, R:29E	EMPIRE; GLORIETA-YESO, EAST			5,421	O	Active Permit		
30-015-36862	COG OPERATING LLC	FOLK FEDERAL	10	EDDY	S:17, T:17S, R:29E	EMPIRE; GLORIETA-YESO			5,550	O	Active Permit		
30-015-37345	COG OPERATING LLC	FOLK STATE	001	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,500	PO	Active Permit		
30-015-37397	COG OPERATING LLC	FOLK STATE	011	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,550	PO	Active Permit		
30-015-36169	COG OPERATING LLC	FOLK FEDERAL	9	EDDY	S:17, T:17S, R:29E	EMPIRE; GLORIETA-YESO, EAST			5,408	O	Active Permit		
30-015-37413	COG OPERATING LLC	FOLK FEDERAL	41	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,450	PO	Active Permit		
30-015-37516	COG OPERATING LLC	FOLK FEDERAL	38	EDDY	S:17, T:17S, R:29E	EMPIRE		YESO, EAST	5,450	PO	Active Permit		

30-015-36890	COG OPERATING LLC	FOLK FEDERAL	11	EDDY	T:17S, R:29E	EMPIRE; GLORIETA-YESO, EAST			5,412	O	Active Permit		
30-015-37751	COG OPERATING LLC	FOLK STATE	005	EDDY	S:17, T:17S, R:29E	EMPIRE	YESO, EAST		5,500	PO	Active Permit		
30-015-37752	COG OPERATING LLC	FOLK STATE	006	EDDY	S:17, T:17S, R:29E	EMPIRE	YESO, EAST		5,500	PO	Active Permit		
30-015-37753	COG OPERATING LLC	FOLK STATE	010	EDDY	S:17, T:17S, R:29E	EMPIRE	YESO, EAST		5,500	PO	Active Permit		
30-015-36863	COG OPERATING LLC	FOLK FEDERAL	13	EDDY	S:17, T:17S, R:29E	EMPIRE; GLORIETA-YESO, EAST			5,531	O	Active Permit		
30-015-37861	COG OPERATING LLC	FOLK STATE	002	EDDY	S:17, T:17S, R:29E	EMPIRE	YESO, EAST		5,500	PO	Active		
30-015-37824	COG OPERATING LLC	FOLK FEDERAL	21	EDDY	S:17, T:17S, R:29E	EMPIRE	YESO, EAST		5,550	PO	Active Permit		
30-015-37825	COG OPERATING LLC	FOLK FEDERAL	31	EDDY	S:17, T:17S, R:29E	EMPIRE	YESO, EAST		5,550	PO	Active Permit		

Offset Wells to Folk Federal #32



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