

ABOVE THIS LINE FOR DIVISION USE ONLY

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



COG Operating LLC
 Electra Federal #28
 Eddy

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 _____

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 2008 JUN 16 AM 11 03

NSL-5873

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☒ Does Not Apply
 [A] ☐ Working, Royalty or Overriding Royalty Interest Owners INTERESTS ARE THE SAME
 [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.

PHYLLIS A. EDWARDS
 Print or Type Name

Phyllis A. Edwards
 Signature

REGULATORY ANALYST
 Title

6/13/08
 Date

pedwards@conchoresources.com
 e-mail Address

NSL -
5873

**Electra Federal #28
Eddy County, NM**

COG is requesting to **vertically** drill a North ½, NW/4 40 acre spacing
Loco Hills; Glorieta Yeso oil well
TD of approximately 6000'

Non-standard Location:
1190' FNL & 330' FWL Sec 10, T17S, R30E, Unit D

This well had to be staked at a non-standard location at the
Bureau of Land Management's request due to sand dunes.

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 Electra Federal #10 which was recently drilled in January 2007 and is located
765' FSL 2310' FWL, Section 10, T17S, R30E, Unit N.

The Electra Federal #10 completion divided the Yeso up into 3 perf/stimulation
intervals. At this time, we believe the Electra Federal #28 should be very similar.

Electra Federal #10 has perms from: 4920' – 5848.5' overall, with the following
breakdown:

1st interval: 5567' – 5848.5',
acidized w/ 2500 gals,
frac'd w/ 95,103 gals gel, 8321# LiteProp, & 85,970# 16/30 sand.

2nd interval: 5192.5' – 5475.5',
acidized w/ 2500 gals,
frac'd w/ 97,107 gals gel, 8215# LiteProp, & 87,106# 16/30 sand.

3rd interval: 4920' – 5107',
acidized w/ 2500 gals,
frac'd w/ 94,099 gals gel, 8448# LiteProp, & 87,526# 16/30 sand.

Attachment 1

Plat showing Electra Federal #28 topography

Attachment 2

Map & legend of offset wells.

Attachment 3

Updated land plat showing that COG Operating LLC owns the N/2 of Section 10.
The acreage we are encroaching on is the SW/4 of the NW/4 of Section 10.

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

DISTRICT I
1625 N. FRENCH DR., HOBBS, 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-	Pool Code 96718	Pool Name LOCO HILLS; GLORIETA YESO
Property Code 302483	Property Name ELECTRA FEDERAL	Well Number 28
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3701'

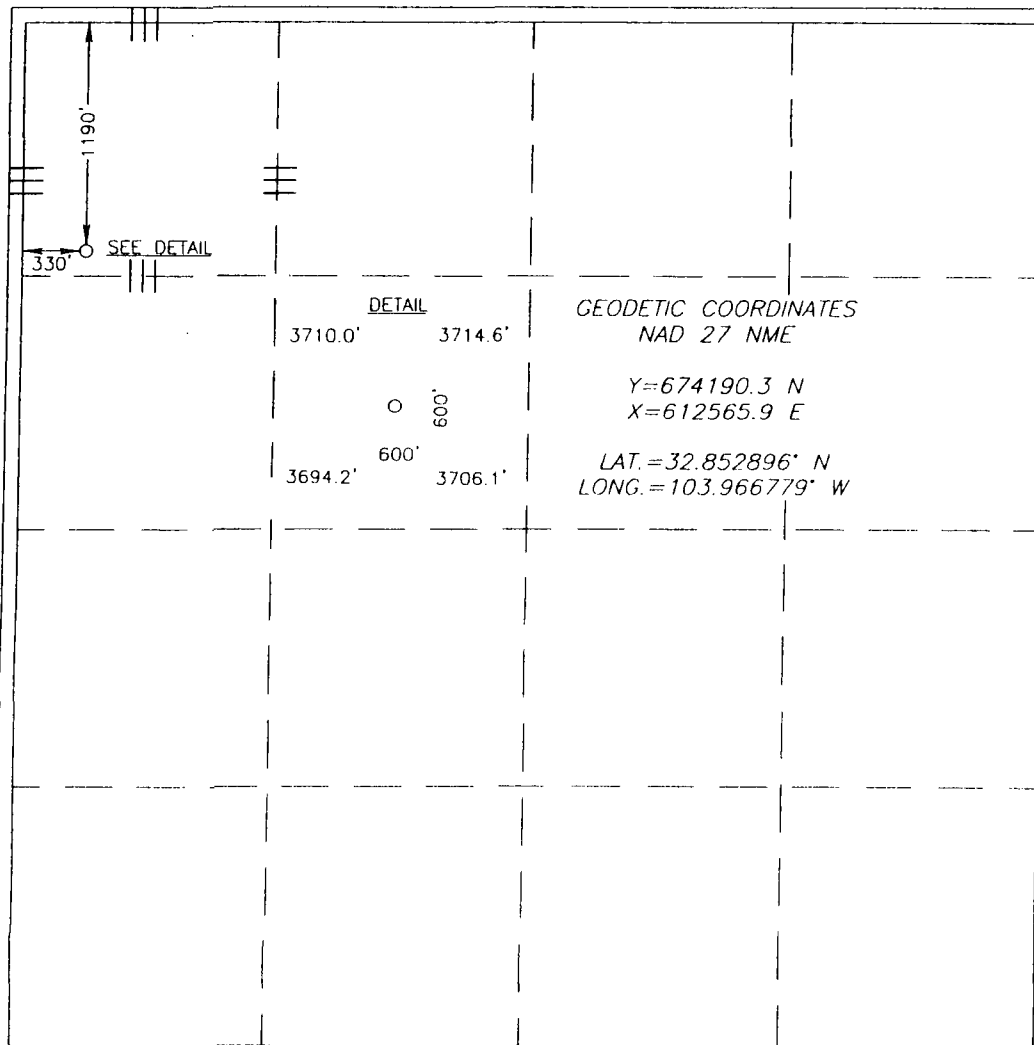
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	10	17-S	30-E		1190	NORTH	330	WEST	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.						

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.

Phyllis A. Edwards 6-9-08
Signature Date

Phyllis A. Edwards

Printed Name

Regulatory Analyst

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.

MAY 28, 2008

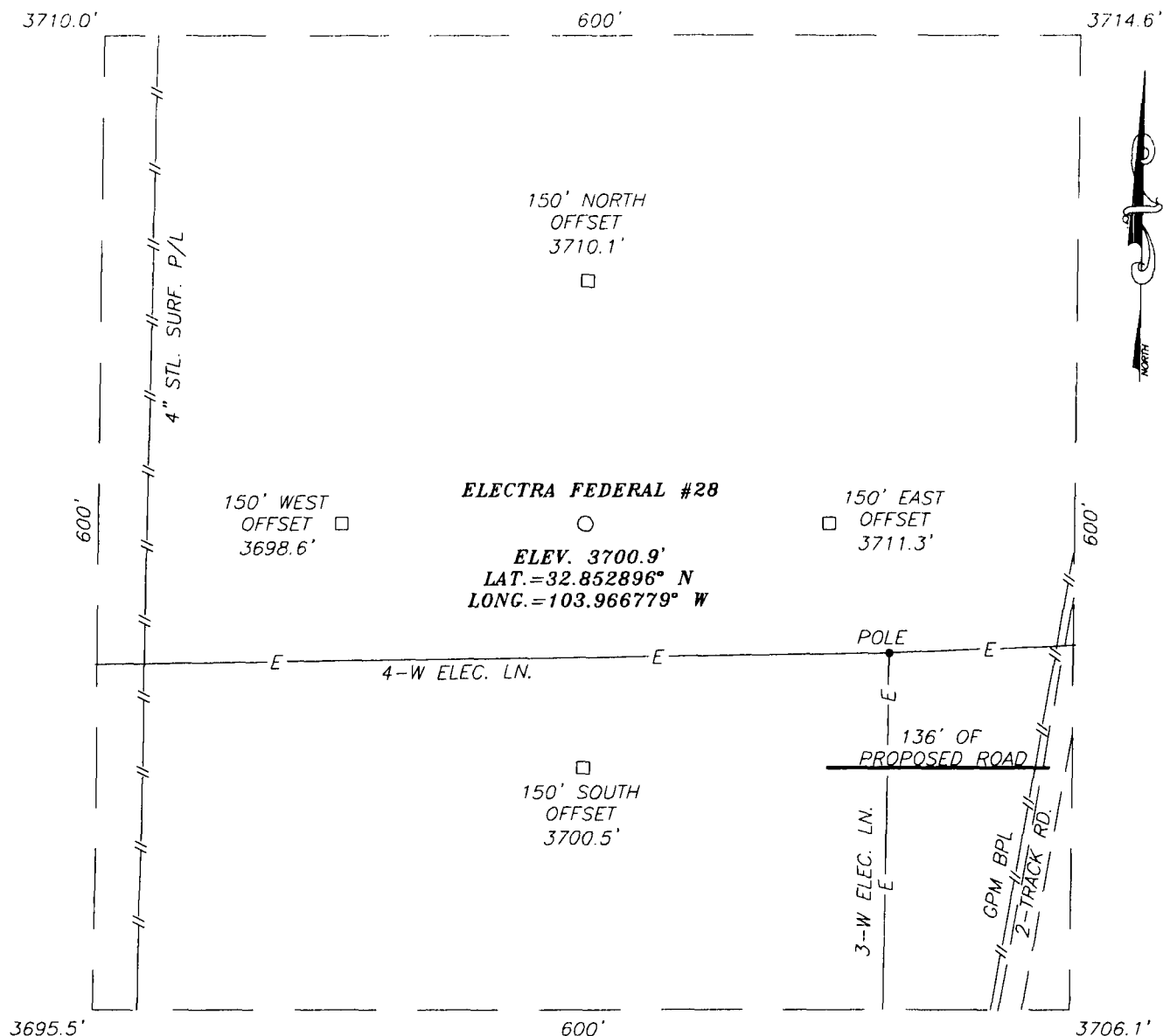
Date Surveyed LA

Signature & Seal of Professional Surveyor

Ronald J. Eidson 6/5/08
08.11.0625

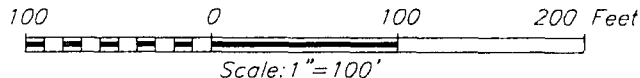
Certificate No. GARY EIDSON 12841
RONALD EIDSON 3239

SECTION 10, TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

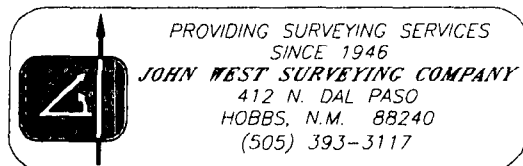
FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #219 (GOAT ROPERS), GO APPROX. 2.5 MILES NORTH. TURN RIGHT AND GO EAST APPROX. 0.4 MILES. TURN LEFT AND GO NORTH APPROX. 0.3 MILES. VEER RIGHT AND GO EAST APPROX. 0.1 MILES TO AN EXISTING PIPELINE ROAD. TURN RIGHT AND GO SOUTH APPROX. 0.1 MILES TO A PROPOSED ROAD SURVEY. FOLLOW ROAD SURVEY APPROX. 136 FEET WEST TO THIS LOCATION.



COG OPERATING, LLC

ELECTRA FEDERAL #28 WELL
 LOCATED 1190 FEET FROM THE NORTH LINE
 AND 330 FEET FROM THE WEST LINE OF SECTION 10,
 TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 5/28/08	Sheet 1 of 1 Sheets
W.O. Number: 08.11.0625	Dr By: LA
Date: 6/4/08	08110625
	Scale: 1"=100'



CONTOUR INTERVAL:
LOCO HILLS, N.M. - 10'

SURVEY N.M.P.M.

DESCRIPTION 1190' FNL & 330' FWL

ELEVATION 3701'

OPERATOR COG OPERATING, LLC

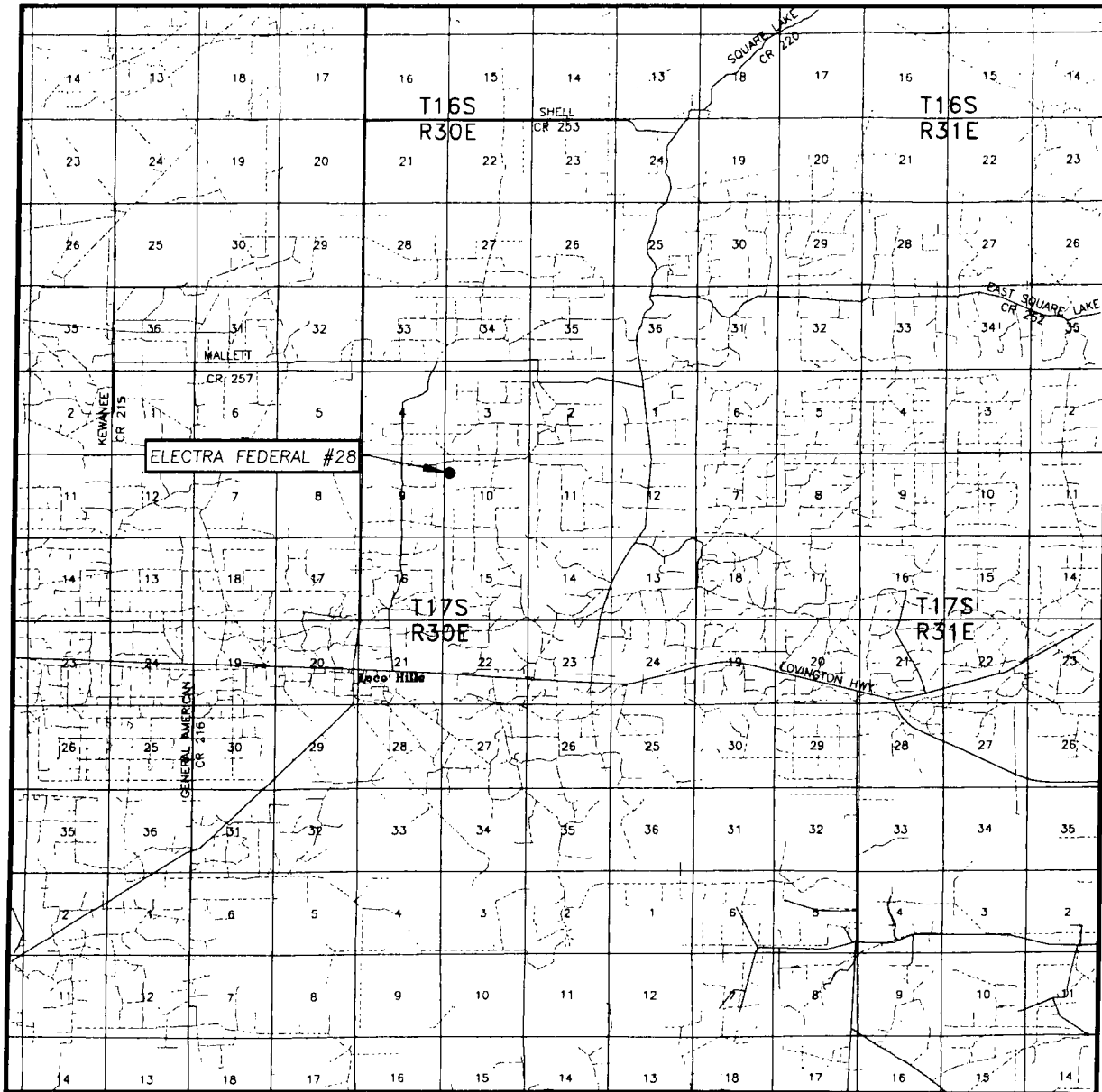
LEASE ELECTRA FEDERAL

U.S.G.S. TOPOGRAPHIC MAP
LOCO HILLS, N.M.



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 10 TWP. 17-S RGE. 30-E

SURVEY N.M.P.M.

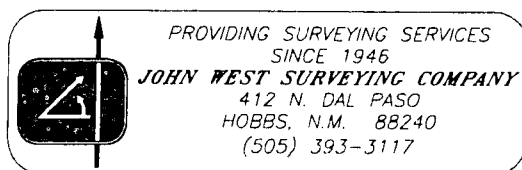
COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 1190' FNL & 330' FWL

ELEVATION 3701'

COG
OPERATOR OPERATING, LLC

LEASE ELECTRA FEDERAL



Offset Wells Electra Federal 28

API#	Operator	Lease	Well#	County	Legal	First Prod.	Last Prod.	Field Name	Reservoir Name	Total Well Depth	Well Statu
30-015-04115	CBS OPERATING CORPORATION	FEDERAL R	001	EDDY	S:10, T:17S, R:30E	Jan 1973	Feb 2008	SQUARE LAKE	GRAYBURG-SAN ANDRES		Active
30-015-04170	CBS OPERATING CORPORATION	FEDERAL R	002	EDDY	S:10, T:17S, R:30E	Jan 1958	Feb 2008	SQUARE LAKE	GRAYBURG-SAN ANDRES	3,254	Active
30-015-04171	CBS OPERATING CORPORATION	FEDERAL R	003	EDDY	S:10, T:17S, R:30E	Jan 1958	Feb 2008	SQUARE LAKE	GRAYBURG-SAN ANDRES	2,982	Active
30-015-10091	HANSON ENERGY	GENERAL AMERICAN	001	EDDY	S:10, T:17S, R:30E	Jan 1967	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	Pump
30-015-10091	HANSON ENERGY	GENERAL AMERICAN	001	EDDY	S:10, T:17S, R:30E	Jan 1964	Feb 2008	GRAYBURG JACKSON	SR-Q-G-SA	0	Pump
30-015-20479	CBS OPERATING CORPORATION	LOCO HILLS A FEDERAL	001	EDDY	S:10, T:17S, R:30E	Aug 1971	Oct 2007	GRAYBURG JACKSON	SR-Q-G-SA		Active
30-015-20479	CBS OPERATING CORPORATION	LOCO HILLS A FEDERAL	001	EDDY	S:10, T:17S, R:30E	Jan 1972	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			Active
30-015-20536	CBS OPERATING CORPORATION	LOCO HILLS A FEDERAL	002	EDDY	S:10, T:17S, R:30E	Dec 1971	Feb 2008	GRAYBURG JACKSON	SR-Q-G-SA	2,917	Flowir
30-015-20536	CBS OPERATING CORPORATION	LOCO HILLS A FEDERAL	002	EDDY	S:10, T:17S, R:30E	Jan 1972	Dec 1974	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,917	Flowir
30-015-20580	CBS OPERATING CORPORATION	LOCO HILLS A FEDERAL	004	EDDY	S:10, T:17S, R:30E	Jan 1979	Nov 2007	GRAYBURG JACKSON	SR-Q-G-SA		Active
30-015-20580	CBS OPERATING CORPORATION	LOCO HILLS A FEDERAL	004	EDDY	S:10, T:17S, R:30E	Mar 1972	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			Active
30-015-20597	SOUTHLAND ROYALTIES INC	PARKE FEDERAL	001	EDDY	S:10, T:17S, R:30E	Jan 1979	Jun 2005	GRAYBURG JACKSON	SR-Q-G-SA	3,400	Pump
30-015-20597	SOUTHLAND ROYALTIES INC	PARKE FEDERAL	001	EDDY	S:10, T:17S, R:30E	Apr 1972	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,400	Pump
	SOUTHLAND	PARKE			S:10,						

30-015-20602	ROYALTIES INC	FEDERAL	002 EDDY	T:17S, R:30E	GRAYBURG JACKSON	SR-Q-G-SA	3,399 Pump
30-015-20602	SOUTHLAND ROYALTIES INC	PARKE FEDERAL	002 EDDY	S:10, T:17S, R:30E	Apr 1972 Dec 1974 GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,399 Pump
30-015-20610	CBS OPERATING CORPORATION	LOCO HILLS A FEDERAL	005 EDDY	S:10, T:17S, R:30E	May 1972 Dec 1974 GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		2,893 Flowir
30-015-20610	CBS OPERATING CORPORATION	LOCO HILLS A FEDERAL	005 EDDY	S:10, T:17S, R:30E	Jan 2001 Feb 2005 GRAYBURG JACKSON	SR-Q-G-SA	2,893 Flowir
30-015-20612	SOUTHLAND ROYALTIES INC	PARKE FEDERAL	003 EDDY	S:10, T:17S, R:30E	Jun 1972 Dec 1977 GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,400 Pump
30-015-20612	SOUTHLAND ROYALTIES INC	PARKE FEDERAL	003 EDDY	S:10, T:17S, R:30E	Jan 1979 Apr 2004 GRAYBURG JACKSON	SR-Q-G-SA	3,400 Pump
30-015-20619	CBS OPERATING CORPORATION	FEDERAL R	004 EDDY	S:10, T:17S, R:30E	Jan 1973 Feb 2008 SQUARE LAKE	GRAYBURG-SAN ANDRES	2,970 Flowir
30-015-20620	CBS OPERATING CORPORATION	FEDERAL R	005 EDDY	S:10, T:17S, R:30E	Jan 1973 Feb 2008 SQUARE LAKE	GRAYBURG-SAN ANDRES	2,950 Active
30-015-20695	CBS OPERATING CORPORATION	FEDERAL R	007 EDDY	S:10, T:17S, R:30E	Dec 2001 Feb 2008 SQUARE LAKE	GRAYBURG-SAN ANDRES	3,160 Injecti
30-015-20696	CBS OPERATING CORPORATION	FEDERAL R	008 EDDY	S:10, T:17S, R:30E	Nov 1976 Feb 2008 SQUARE LAKE	GRAYBURG-SAN ANDRES	3,200 Flowir
30-015-22018	CBS OPERATING CORPORATION	FEDERAL R	006 EDDY	S:10, T:17S, R:30E	Mar 1977 Feb 2008 SQUARE LAKE	GRAYBURG-SAN ANDRES	3,195 Active
30-015-04170	WOLLEY, A. S.	PARKE H	002 EDDY	S:10, T:17S, R:30E	Feb 1956 Dec 1958 SQUARE LAKE	CANYON	3,254 Active
30-015-04171	WOOLLEY, A. S.	PARKE H	003 EDDY	S:10, T:17S, R:30E	Mar 1957 Dec 1958 SQUARE LAKE	CANYON	2,982 Active
30-015-10091	INMAN CURTIS R	GENERAL AMERICAN FEDERAL	001 EDDY	S:10, T:17S, R:30E	Nov 1963 Dec 1963 EDDY UNDE		0 Pump
30-015-34845	COG OPERATING LLC	ELECTRA FEDERAL	10 EDDY	S:10, T:17S, R:30E	Jan 2007 Feb 2008 LOCO HILLS	PADDOCK	6,000 Active
	COG			S:10,			

30-015-34721	OPERATING LLC	ELECTRA FEDERAL	9 EDDY	T:17S, R:30E	Jan 2007	Feb 2008	LOCO HILLS	PADDOCK	6,070	Active
30-015-34721	COG OPERATING LLC	ELECTRA FEDERAL	9 EDDY	S:10, T:17S, R:30E			LOCO HILLS GLORIETA YESO		6,070	Active
30-015-35427	COG OPERATING LLC	ELECTRA FEDERAL	11 EDDY	S:10, T:17S, R:30E	Jul 2007	Feb 2008	LOCO HILLS	PADDOCK	6,110	Active
30-015-35428	COG OPERATING LLC	ELECTRA FEDERAL	012 EDDY	S:10, T:17S, R:30E	Sep 2007	Feb 2008	LOCO HILLS	PADDOCK	6,000	Active
30-015-35429	COG OPERATING LLC	ELECTRA FEDERAL	14 EDDY	S:10, T:17S, R:30E			LOCO HILLS	PADDOCK	6,000	Active
30-015-35430	COG OPERATING LLC	ELECTRA FEDERAL	15 EDDY	S:10, T:17S, R:30E	Oct 2007	Feb 2008	LOCO HILLS	PADDOCK	5,925	Active
30-015-35431	COG OPERATING LLC	ELECTRA FEDERAL	16 EDDY	S:10, T:17S, R:30E	Nov 2007	Feb 2008	LOCO HILLS	PADDOCK	6,000	Active
30-015-34845	COG OPERATING COMPANY LLC	ELECTRA FEDERAL	10 EDDY	S:10, T:17S, R:30E			LOCO HILLS; GLORIETA YESO		6,000	Active
30-015-37473	COG OPERATING LLC	ELECTRA FEDERAL	13 EDDY	S:10, T:17S, R:30E			LOCO HILLS	PADDOCK	6,000	Active
30-015-35780	COG OPERATING LLC	ELECTRA FEDERAL	17 EDDY	S:10, T:17S, R:30E	Jan 2008	Feb 2008	LOCO HILLS	PADDOCK	6,106	Active
30-015-35781	COG OPERATING LLC	ELECTRA FEDERAL	19 EDDY	S:10, T:17S, R:30E	Jan 2008	Feb 2008	LOCO HILLS	PADDOCK	6,100	Active
30-015-35430	COG OPERATING LLC	ELECTRA FEDERAL	15 EDDY	S:10, T:17S, R:30E			LOCO HILLS GLORIETA YESO		5,925	Active
30-015-35895	COG OPERATING LLC	ELECTRA FEDERAL	20 EDDY	S:10, T:17S, R:30E			LOCO HILLS	PADDOCK	5,950	Active
30-015-35896	COG OPERATING LLC	ELECTRA FEDERAL	21 EDDY	S:10, T:17S, R:30E			LOCO HILLS	PADDOCK	5,950	Active
30-015-35427	COG OPERATING COMPANY LLC	ELECTRA FEDERAL	11 EDDY	S:10, T:17S, R:30E			LOCO HILLS; GLORETA-YESO (GAS)	GAS	6,110	Active
	COG			S:10,						

30-015-35979	OPERATING LLC	ELECTRA FEDERAL	23	EDDY	T:17S, R:30E	LOCO HILLS	PADDOCK	5,950	Active
30-015-35431	COG OPERATING LLC	ELECTRA FEDERAL	16	EDDY	S:10, T:17S, R:30E	LOCO HILLS; GLORETA-YESO (GAS)	GAS	6,000	Active
30-015-35780	COG OPERATING LLC	ELECTRA FEDERAL	17	EDDY	S:10, T:17S, R:30E	LOCO HILLS; GLORETA-YESO (GAS)	GAS	6,106	Active
30-015-35781	COG OPERATING LLC	ELECTRA FEDERAL	19	EDDY	S:10, T:17S, R:30E	LOCO HILLS; GLORIETA YESO		6,100	Active
30-015-36186	CIMAREX ENERGY CO. OF COLORADO	HYDRUS 10 FEDERAL	002	EDDY	S:10, T:17S, R:30E	LOCO HILLS	PADDOCK	6,000	Active
30-015-36233	CIMAREX ENERGY CO. OF COLORADO	HYDRUS 10 FEDERAL	1	EDDY	S:10, T:17S, R:30E	LOCO HILLS	PADDOCK	6,000	Active

