

DATE IN 6-15-10	SUSPENSE	ENGINEER DB	LOGGED IN 6-15-10	TYPE NSL	PTG-W APP NO. 1016649864
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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



C06

Randall Fed, #y

ADMINISTRATIVE APPLICATION CHECKLIST

76227

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 _____

RECEIVED OGD
200 JUN 15 P 12:05

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

INTEREST ARE THE SAME

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

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

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

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

ROBYN M. ODOM
Print or Type Name

Signature

REGULATORY ANALYST
Title

6/14/10
Date

(432) 685-4385
Phone Number

rodod@conchoresources.com
E-mail Address

**Randall Federal 4
Eddy County, NM**

COG proposes to drill a South ½, 40 acre spacing
Loco Hills; Glorieta-Yeso oil well
TD of approximately 5900'

Non-Standard Location:
1020' FSL & 990' FELSec 7, T17S, R30E, Unit P

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

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
Polaris B Federal #5 (330' FSL & 330' FWL, UL P) which was completed in November
2006.

The Polaris B Federal #5 completion broke the Yeso up into 4 perf/stimulation intervals
from: 4465' – 5782' overall, but broken up into 4 separate intervals, with 4 separate
fracs

1st interval: 5569.5' – 5782',
acidized w/ 3000 gals,
frac'd w/ 97,104 gals gel, 8,174 # LiteProp, & 87,611# 16/30 sand.

2nd interval: 5258' – 5478',
acidized w/ 3000 gals,
frac'd w/ 108,600 gals 30# gel, 58,900 gals 40# gel, 8012# LiteProp, & 91,700# 16/30
sand.

3rd interval: 4942' – 5155',
acidized w/ 3000 gals,
frac'd w/ 94,710 gals gel, 7,985# LiteProp, & 90,837# 16/30 sand.

4th interval: 4465' – 4750',
acidized w/ 2500 gals,
frac'd w/ 32,545 gals 30# gel, 61,576 gals 30# gel, 91,820# 16/30 sand & 8023#
LiteProp.

**Attachment 1
Plat & Map**

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

**Attachment 3
Updated land plat showing COG Operating LLC acreage.
The acreage we are encroaching on is the NW/4 SE/4 and the NE/4 SE/4 of Section 7.
Proof of notification to offset operator is attached.**

Interests are the same.

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 <i>under</i> LOCO HILLS; GLORIETA-YESO
Property Code 302549	Property Name RANDALL FEDERAL	Well Number 4
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3662'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	17-S	30-E		1020	SOUTH	990	EAST	EDDY

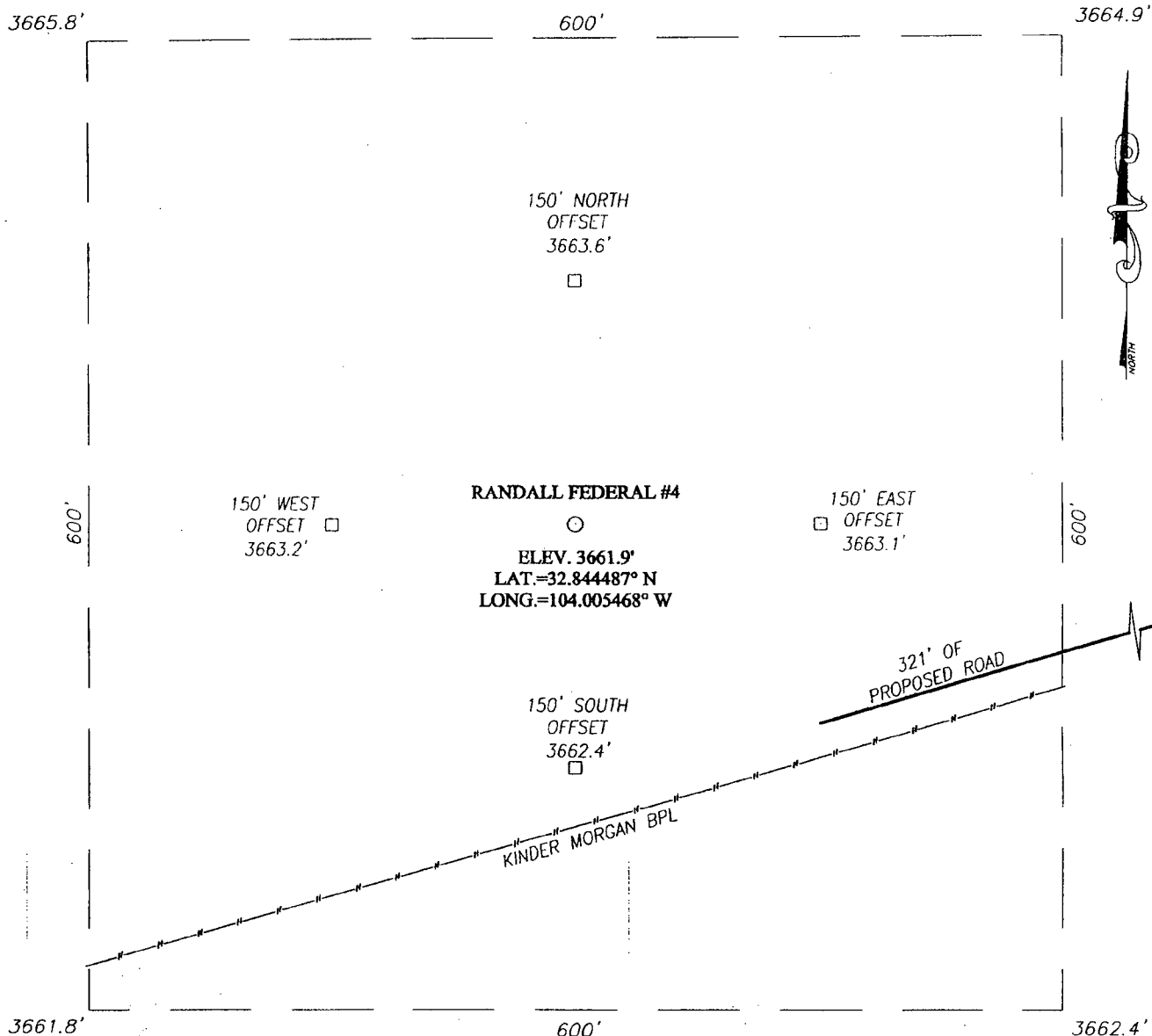
Bottom Hole Location If Different From Surface

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.						

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

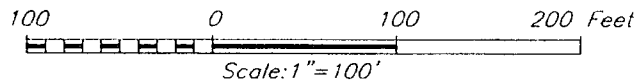
GEODETIC COORDINATES NAD 27 NME Y=671091.9 N X=600694.1 E LAT.=32.844487° N LONG.=104.005468° W	DETAIL 3665.8' 3664.9' 600' 3661.8' 3662.4'	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either 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> 5/28/2010 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. <i>GARY G. EIDSON</i> 5/26/10 Date Surveyed Seal of Professional Surveyor GARY G. EIDSON 12641
		Certificate No. GARY G. EIDSON 12641 RONALD J. EIDSON 3239

SECTION 7, 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. #217 (HAGERMAN CUTOFF), GO NORTH ON CO. RD. #217 APPROX. 0.9 MILES. TURN LEFT AND GO WEST APPROX. 0.9 MILES. TURN RIGHT AND GO NORTH-NORTHWEST APPROX. 1.0 MILES TO A PROPOSED ROAD SURVEY. FOLLOW ROAD SURVEY 0.1 MILE WEST TO THIS LOCATION.



COG OPERATING, LLC

RANDALL FEDERAL #4 WELL
 LOCATED 1020 FEET FROM THE SOUTH LINE
 AND 990 FEET FROM THE EAST LINE OF SECTION 7,
 TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO

Survey Date: 5/13/10	Sheet 1 of 1 Sheets
W.O. Number: 10.11.0340	Dr By: LA
Date: 5/18/10	10110340
	Scale: 1"=100'

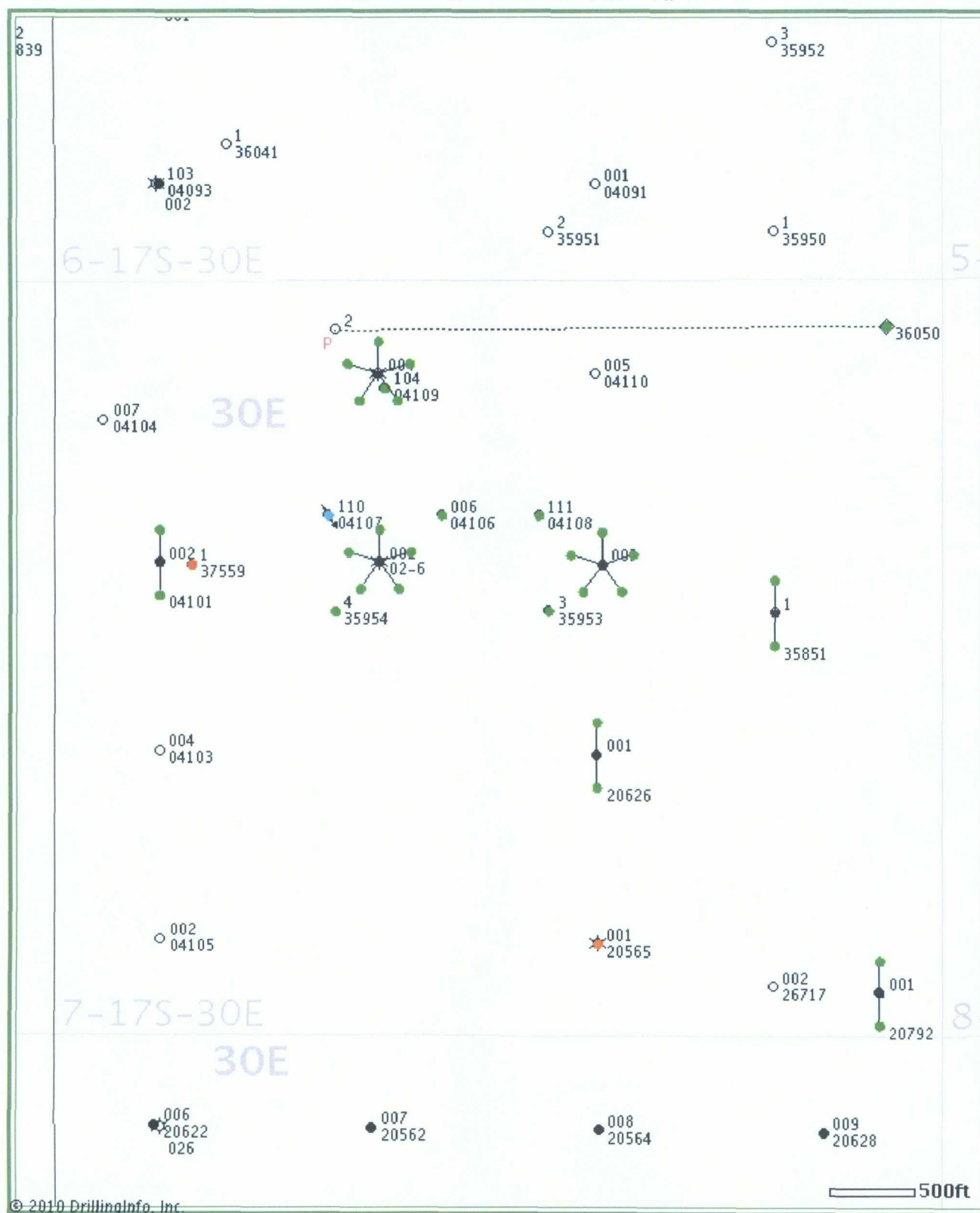
PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (575) 393-3117

Offset Wells to Randall Federal #4

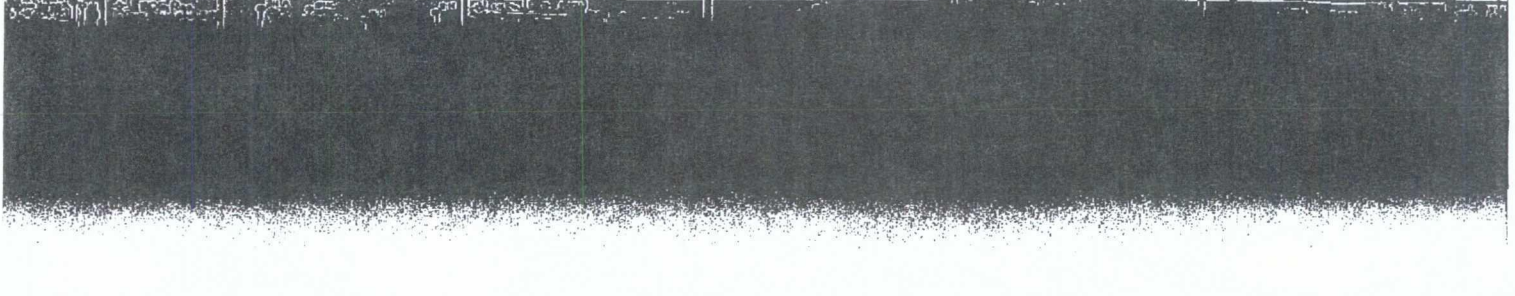
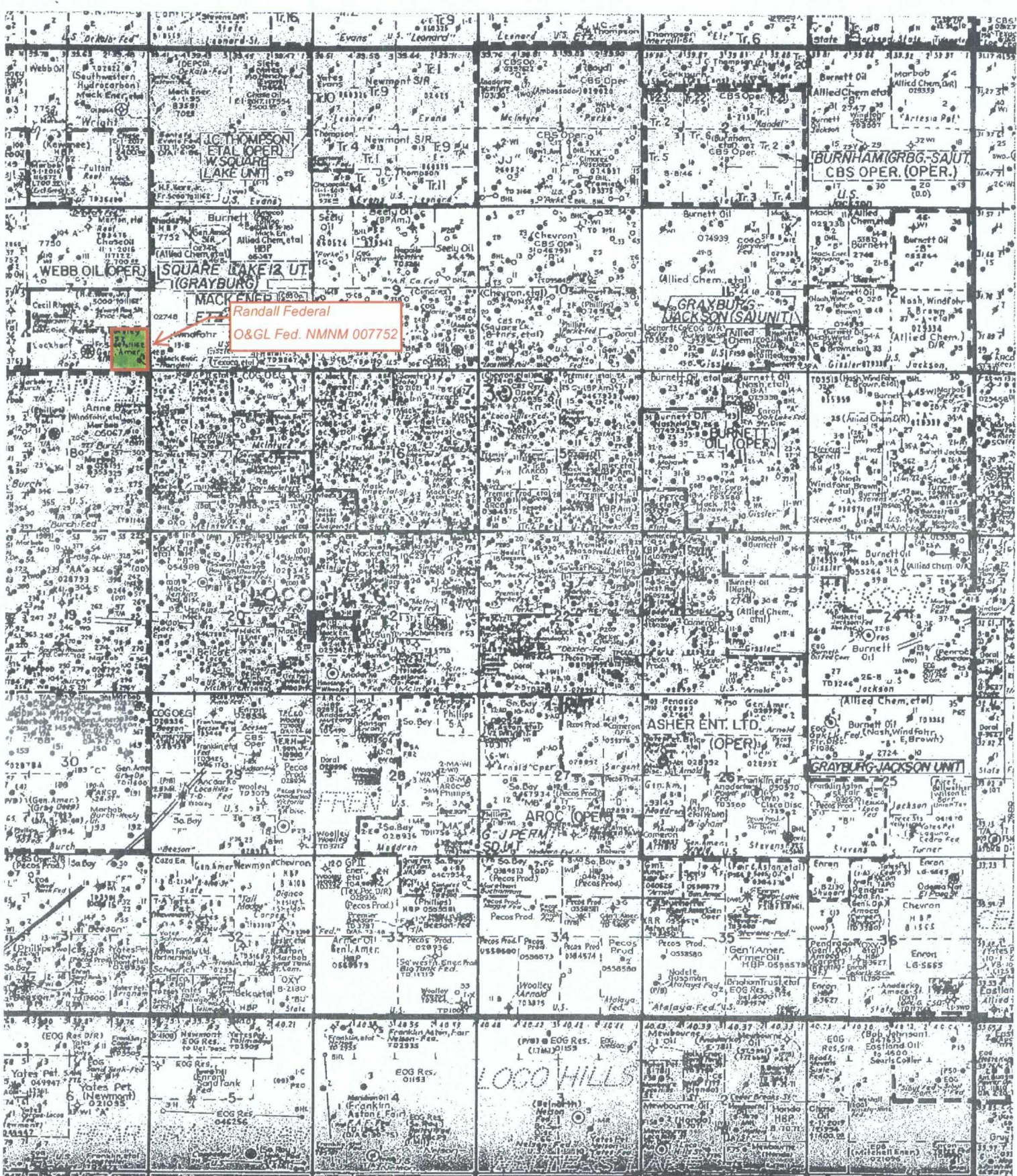
API#	Operator	Lease	Well#	County	Legal	Field Name	Reservoir Name	Total Depth	Well Type	Well Status	First Prod.	Last Prod.
30-015-04107	TANDEM ENERGY CORPORATION	SQUARE LAKE 12 UNIT	110	EDDY	S:7, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES	0	I	Injection Well	Mar 2001	May 2009
30-015-04108	TANDEM ENERGY CORPORATION	SQUARE LAKE 12 UNIT	111	EDDY	S:7, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES	0	O	Pumping	Jan 1973	Feb 2010
30-015-04109	TANDEM ENERGY CORPORATION	SQUARE LAKE 12 UNIT	104	EDDY	S:7, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES	0	O	Pumping	Jan 1973	Feb 2010
30-015-20565	PIONEER NATURAL RESOURCES USA INC	ANDERSON FEDERAL	001	EDDY	S:7, T:17S, R:30E	ANDERSON	PENN (GAS)	11,060	G	Pumping	Jan 1977	Jan 1994
30-015-20626	SOUTHLAND ROYALTIES INC	PRICE FEDERAL	001	EDDY	S:7, T:17S, R:30E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,650	PO	Shut-in	Aug 1972	Dec 1977
30-015-20626	SOUTHLAND ROYALTIES INC	PRICE FEDERAL	001	EDDY	S:7, T:17S, R:30E	GRAYBURG JACKSON	SR-Q-G-SA	3,650	PO	Shut-in	Jan 1979	Mar 2003
30-015-20792	COG OPERATING LLC	RANDALL	001	EDDY	S:7, T:17S, R:30E	GRAYBURG JACKSON	SR-Q-G-SA	0	O	Pumping	Jan 1979	Aug 2009
30-015-20792	MAC K ENERGY CORP	RANDALL	001	EDDY	S:7, T:17S, R:30E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		0	O	Pumping	Apr 1973	Dec 1977
30-015-04101		SQUARE LAKE 12 UNIT TRACT 6B	002	EDDY	S:7, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES			O Active	Dec 1969	Mar 1971
30-015-00000	THE IBEX COMPANY	ROOT	002	EDDY	S:7, T:17S, R:30E	ANDERSON POOL			G	Active	Jan 1947	Dec 1955
30-015-04106	THE IBEX COMPANY	ROOT	006	EDDY	S:7, T:17S, R:30E	ANDERSON POOL			O	Active	Jan 1954	Dec 1955
30-015-00000	THE IBEX COMPANY	ROOT	003	EDDY	S:7, T:17S, R:30E	ANDERSON POOL			O	Active	Jan 1947	Dec 1955
30-015-00000	THE IBEX COMPANY	ROOT	004	EDDY	S:7, T:17S, R:30E	ANDERSON POOL			G	Active	Jan 1947	Dec 1955
30-015-04101	PITT, RALPH	ROOT A	002	EDDY	S:7, T:17S, R:30E	ANDERSON POOL			O	Active	Jan 1947	Dec 1947
30-015-00000	IBEX COMPANY, THE	FED. WILSON	002	EDDY	S:7, T:17S, R:30E	ANDERSON POOL			G	Active	Jan 1957	Dec 1957
30-015-00000	IBEX COMPANY, THE	FED. WILSON	003	EDDY	S:7, T:17S, R:30E	ANDERSON POOL			O	Active	Jan 1957	Dec 1957
30-015-00000	IBEX COMPANY, THE	FED. WILSON	004	EDDY	S:7, T:17S, R:30E	ANDERSON POOL			G	Active	Jan 1957	Dec 1957
30-015-00000	GRADIGE CORP.	WILSON FED	002	EDDY	S:7, T:17S, R:30E	SQUARE LAKE GRAYBURG			G	Active	Jan 1958	Dec 1965

30-015-00000	GRARIDGE CORP.	WILSON FED	003	EDDY	S:7, T:17S, R:30E	SQUARE LAKE GRAYBURG				O	Active	Jan 1958	Dec 1965
30-015-00000	GRARIDGE CORP.	WILSON FED	004	EDDY	S:7, T:17S, R:30E	SQUARE LAKE GRAYBURG				G	Active	Jan 1958	Dec 1965
30-015-00000	KEWANEE OIL CO	SQUARE LAKE 12 UNIT TR 4	003	EDDY	S:7, T:17S, R:30E	SQUARE LAKE	CANYON			O	Active	May 1969	Dec 1971
30-015-00000	KEWANEE OIL CO	SQUARE LAKE 12 UNIT TR 4	004	EDDY	S:7, T:17S, R:30E	SQUARE LAKE	CANYON			G	Active	Jan 1968	Dec 1971
30-015-00000	KEWANEE OIL CO	WILSON B	002	EDDY	S:7, T:17S, R:30E	SQUARE LAKE GRAYBURG				G	Active	Jan 1966	Sep 1967
30-015-00000	KEWANEE OIL CO	WILSON B	003	EDDY	S:7, T:17S, R:30E	SQUARE LAKE GRAYBURG				O	Active	Jan 1966	May 1966
30-015-00000	KEWANEE OIL CO	WILSON B	004	EDDY	S:7, T:17S, R:30E	SQUARE LAKE GRAYBURG				G	Active	Jan 1966	Dec 1967
30-015-00000	WILSON BROTHERS OIL CO.	ROOT	002-6	EDDY	S:7, T:17S, R:30E	ANDERSON POOL				O	Active	Jan 1953	Dec 1953
30-015-35404	CHI OPERATING INC	FIR FEDERAL COM	001	EDDY	S:7, T:17S, R:30E	ANDERSON	PENNI (GAS)			G	Active		
30-015-35405	CHI OPERATING INC	FIR FEDERAL COM	002	EDDY	S:7, T:17S, R:30E	ANDERSON	PENNI (GAS)			G	Active		
30-015-35851	MACK ENERGY CORP	BRANTLEY FEDERAL	1	EDDY	S:7, T:17S, R:30E	LOCO HILLS	PADDOCK	6,458		O	Active Permit	Feb 2008	Feb 2010
30-015-35953	MACK ENERGY CORP	BRANTLEY FEDERAL	3	EDDY	S:7, T:17S, R:30E	LOCO HILLS	PADDOCK	6,100		PO	Active Permit		
30-015-35954	MACK ENERGY CORP	BRANTLEY FEDERAL	4	EDDY	S:7, T:17S, R:30E	LOCO HILLS	PADDOCK	6,500		PO	Active Permit		
30-015-36050	MACK ENERGY CORP	BRANTLEY FEDERAL	2	EDDY	S:7, T:17S, R:30E	HENSHAW	WOLFCAMP, WEST (ABANDONED)	10,560		PO	Active Permit		
30-015-35851	MACK ENERGY CORP	BRANTLEY FEDERAL	1	EDDY	S:7, T:17S, R:30E	LOCO HILLS; GLORIETA YESO				O	Active Permit		
30-015-37559	MEWBOURNE OIL CO	SKYHAWK 7 FEDERAL COM	1	EDDY	S:7, T:17S, R:30E	GRAYBURG	MORROW (GAS)	11,200		PG	Active Permit		

Offset Wells to Randall Federal #4



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SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
1. Article Addressed to: Conoco - Phillips Mid-Continent Business Unit 3300 North A Street, Bldg 6 Midland, TX 79705		A. Signature <u>[Signature]</u> ☐ Agent ☐ Addressee B. Received by <u>LP Printed Name</u> C. Date of Delivery <u>2-12-04</u> D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below:	
2. Article Number (Transfer from service label) <u>7010 0780 0001 8634 7523</u>		3. Service Type ☒ Certified Mail ☐ Express Mail ☐ Registered ☒ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.	
PS Form 3811, February 2004		4. Restricted Delivery? (Extra Fee) ☐ Yes	

102595-02-M-1540

**COG OPERATING LLC
550 W. TEXAS, SUITE 1300
MIDLAND, TX 79701**

June 3, 2010

Conoco – Phillips
Mid-Continent Business Unit
3300 North A Street, Bldg 6
Midland, TX 79705

Re: Request for Unorthodox Well Location

To Whom It May Concern:

This letter will serve as notice under Rule 104.F (3) that COG Operating LLC has requested administrative approval from the Oil Conservation Division in Santa Fe, NM for an unorthodox Loco Hills: Glorieta Yeso oil well.

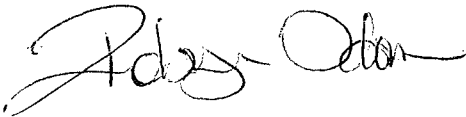
**RANDALL FEDERAL #4
Eddy County, NM**

**Non-Standard Location:
1020' FSL & 990' FEL Sec 7, T17S, R30E, Unit P**

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may allow COG to produce from the unorthodox location after the well is drilled, if no objection has been made within the 20 days after the application has been received.

Sincerely,

COG Operating LLC



Robyn M. Odom
Regulatory Analyst

432-685-4385
Rodom@conchoresources.com

COMPLETE THIS SECTION ON DELIVERY

- A. Signature [Signature] ☒ Agent ☐ Addressee
- B. Received by (Printed Name) _____ C. Date of Delivery 6-4-10
- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

Southwest Royalties, Inc.
#6 Desta Drive #2100
Midland, TX 79705

2456 4699 6000 0920 0702

Domestic Return Receipt

102595-02-M-1540

**COG OPERATING LLC
550 W. TEXAS, SUITE 1300
MIDLAND, TX 79701**

June 3, 2010

Southwest Royalties, Inc.
#6 Desta Drive, #2100
Midland, TX 79705

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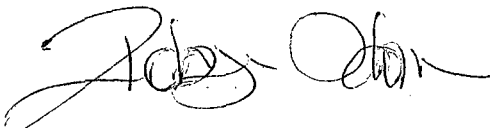
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Sincerely,

COG Operating LLC



Robyn M. Odom
Regulatory Analyst

432-685-4385
Rodom@conchoresources.com