

ABOVE THIS LINE FOR DIVISION USE ONLY

RECEIVED

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



30015
Gissler #29
229137
6040

2009 MAY 20 AM 11 18

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 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]
Signature

REGULATORY ANALYST
Title

5/19/09
Date

rodom@conchoresources.com
e-mail Address

**Gissler Federal #29
Eddy County, NM**

COG proposes to drill a Vertical, South ½, 40 acre spacing
Loco Hills; Glorieta-Yeso oil well
TD of approximately 6000'

Location:

1010' FSL & 1040' FEL

Sec 5, T17S, R30E, Unit P

This well had to be drilled at a non-standard location 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 #13 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 & 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 SW/4 SW/4, the NW/4 SW/4, and the NE/4 SW/4 of Section 5.

Interests are the same.

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

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 & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-	² Pool Code 96718	³ Pool Name LOCO HILLS; GLORIETA-YESO
⁴ Property Code 302499	⁵ Property Name GISSLER	⁶ Well Number 29
⁷ OGRID No. 229137	⁸ Operator Name CONCHO OIL AND GAS OPERATIING, LLC	⁹ Elevation 3698.1'

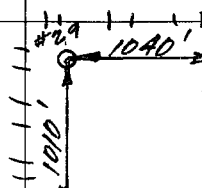

¹⁰ Surface Location

UL or lot no. -P	Section 5	Township 17 S.	Range 30 E.	Lot Idn	Feet from the 1010	North/South line SOUTH	Feet from the 1040	East/West line EAST	County EDDY
---------------------	--------------	-------------------	----------------	---------	-----------------------	---------------------------	-----------------------	------------------------	----------------

¹¹ Bottom Hole Location If Different From Surface

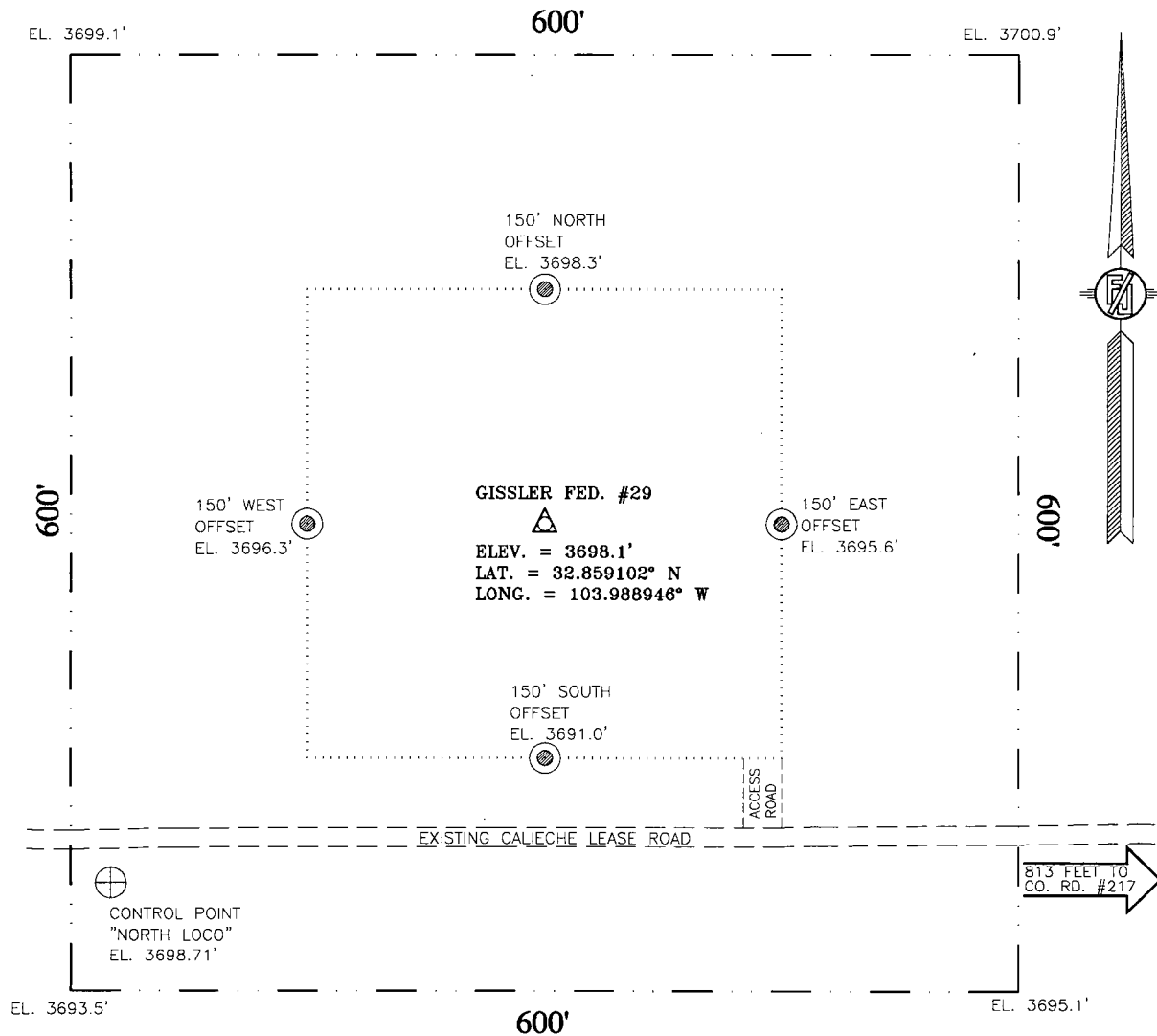
Bottom Hole Location if Different from Surface									
UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 40		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.

<p>16</p>			<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>Robyn Odom</i> 5/19/09 Signature Date</p> <p>Robyn Odom Printed Name</p>
	<p>(NAD-83) LAT: 32°51'32.8" LONG: 103°59'20.2"</p> <p>Y=676449.515 N X=647076.665 W</p> <p>ELEV.=3698.1</p>		<p>18 SURVEYOR CERTIFICATION</p> <p><i>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></p> <p>Date of Survey MAY 11, 2009</p> <p>Signature and Seal of Professional Surveyor: </p> <p>Certificate Number FILIMON F. JARAMILLO 12797 MADRON SURVEYING, INC.</p>

SURVEY N^o 028

SECTION 5, TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



DIRECTIONS TO LOCATION

FROM U.S. HIGHWAY 82 AND COUNTY ROAD #217
HAGERMAN CUTOFF GO NORTH 2.7 MILES ON COUNTY
ROAD #217 AND TURN LEFT ON CALIECHE LEASE ROAD
THEN GO WEST 0.2 MILES AND LOCATION IS ON THE
RIGHT (NORTH) APPROX. 200'

0 10 50 100 200



SCALE: 1" = 100'

CONCHO OIL AND GAS OPERATING, LLC
GISSLER FED. UNIT # 29
LOCATED 1010 FT. FROM THE SOUTH LINE
AND 1040 FT. FROM THE EAST LINE OF SECTION 5
TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

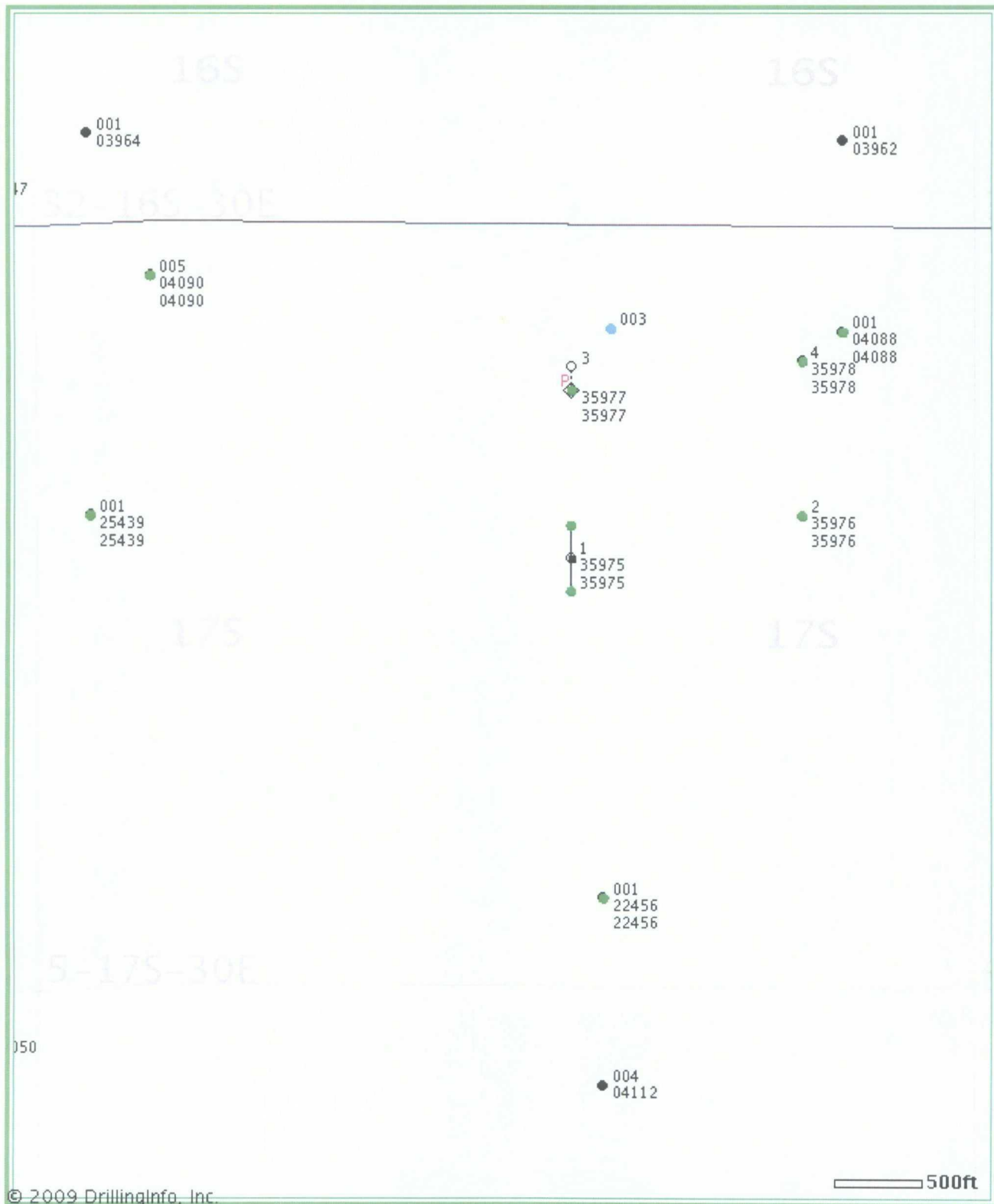
MAY 11, 2009

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO 88220
(575) 887-5830

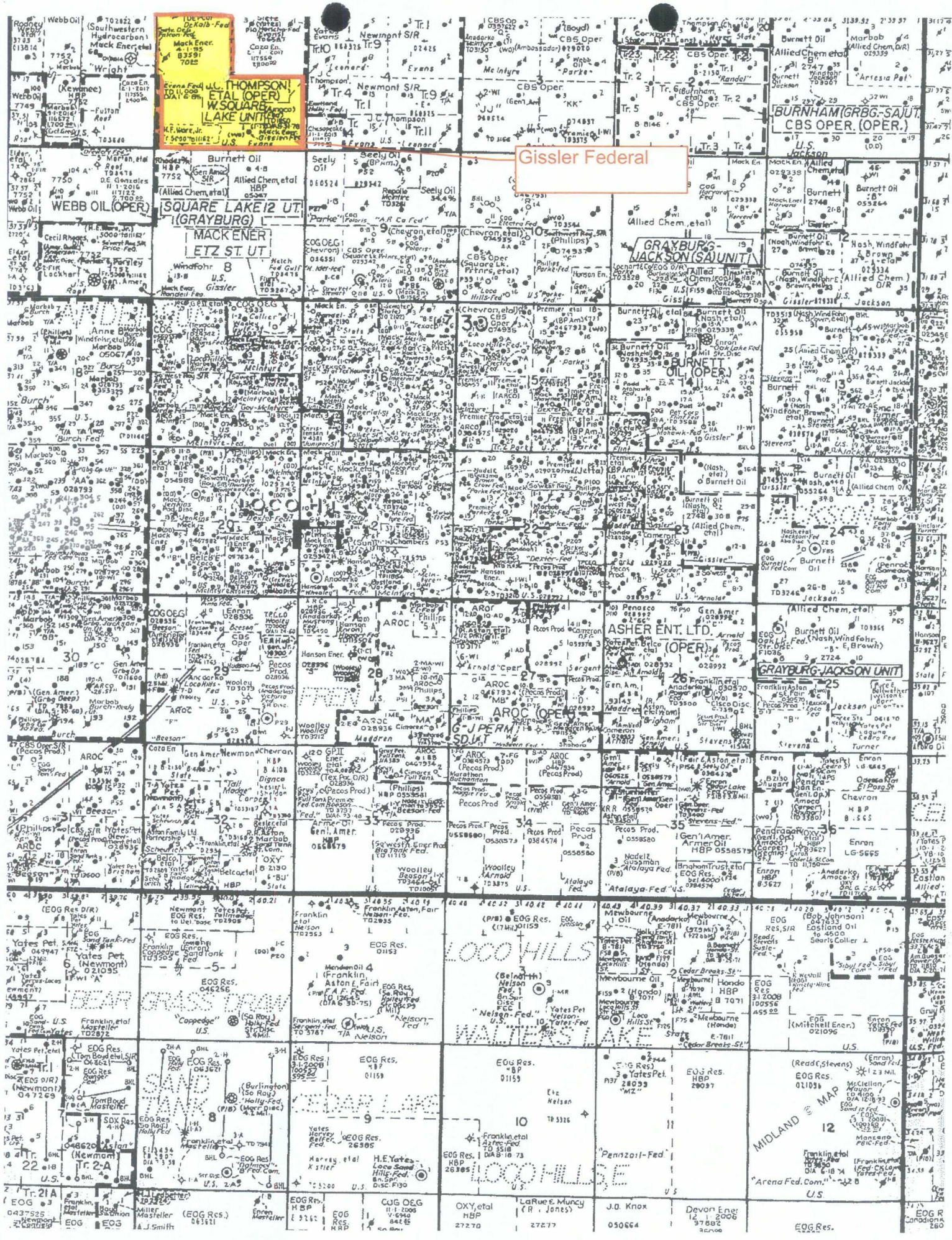
Offset Wells to Gissler Federal #29

API#	Operator	Lease	Well#	County	Legal	First Prod.	Last Prod.	Field Name	Reservoir Name	Total Depth	Well Type	Well Status
30-015-22456	COG OPERATING LLC	GISSLER FEDERAL	001	EDDY	S:5, T:17S, R:30E	Aug 1990	Jan 2009	SQUARE LAKE	GRAYBURG-SAN ANDRES	11,150	O	Pumping
30-015-04088		EVANS	001	EDDY	S:5, T:17S, R:30E	Feb 1947	Oct 1978	SQUARE LAKE	GRAYBURG-SAN ANDRES		O	Active
30-015-00000		EVANS	003	EDDY	S:5, T:17S, R:30E			SQUARE LAKE	GRAYBURG-SAN ANDRES		AP	PreOngard
30-015-04090		DEKALB FEDERAL	005	EDDY	S:5, T:17S, R:30E	May 1959	Dec 1963	SQUARE LAKE	GRAYBURG-SAN ANDRES		O	Active
30-015-25439		FALCON FEDERAL	001	EDDY	S:5, T:17S, R:30E			SQUARE LAKE	GRAYBURG-SAN ANDRES	4,000	O	Active
30-015-35975	MACK ENERGY CORP	RED BLUFF FEDERAL	1	EDDY	S:5, T:17S, R:30E	Mar 2008	Feb 2009	LOCO HILLS	PADDOCK	5,830	O	Active Permit
30-015-35976	MACK ENERGY CORP	RED BLUFF FEDERAL	2	EDDY	S:5, T:17S, R:30E			LOCO HILLS	PADDOCK	6,500	PO	Active Permit
30-015-35977	MACK ENERGY CORP	RED BLUFF FEDERAL	3	EDDY	S:5, T:17S, R:30E			LOCO HILLS	PADDOCK	6,500	PO	Active Permit
30-015-35978	MACK ENERGY CORP	RED BLUFF FEDERAL	4	EDDY	S:5, T:17S, R:30E			LOCO HILLS	PADDOCK	6,500	PO	Active Permit
30-015-35975	MACK ENERGY CORP	RED BLUFF FEDERAL	1	EDDY	S:5, T:17S, R:30E			LOCO HILLS; GLORIETA YESO		5,830	O	Active Permit

Offset Wells to Gissler Federal #29



© 2006 Drilling Info, Inc. All rights reserved. All data and information is provided "As Is" and subject to the subscription agreement.



Gissler Federal

GRAYBURG-JACKSON UNIT

BURNETT OIL (OPER.)

GRAYBURG-JACKSON UNIT

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

MACKENER

ETZ ST. UT.

LOCO HILLS

WALTON'S LAKE

LOCO HILLS

MIDLAND MAP

Brooks, David K., EMNRD

From: Robyn Odom [rodom@conchoresources.com]
Sent: Thursday, May 28, 2009 9:51 AM
To: Brooks, David K., EMNRD
Cc: Phyllis Edwards
Subject: Gissler Federal #29 NSL
Attachments: Gissler Federal 29 corrected plat.pdf

Dear Mr. Brooks,

I recently sent you an NSL application for the Gissler Federal #29. The company name on the plat that was submitted with it is incorrect. I am attaching a corrected plat to this email. Could you please replace the plat in the application with this plat. Please let me know if you need any more information in the approval of this application.

Thank you,

ROBYN ODOM
Regulatory Analyst



COG Operating LLC
Fasken Tower II
550 W. Texas Avenue, Suite 1300
Midland, TX 79701
432-685-4385 P
rodom@conchoresources.com

This inbound email has been scanned by the MessageLabs Email Security System.

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-	² Pool Code 96718	³ Pool Name LOCO HILLS; GLORIETA-YESO
⁴ Property Code 302499	⁵ Property Name GISSLER	⁶ Well Number 29
⁷ OGRID No. 229137	⁸ Operator Name COG OPERATING LLC	⁹ Elevation 3698.1'

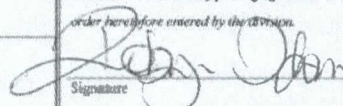
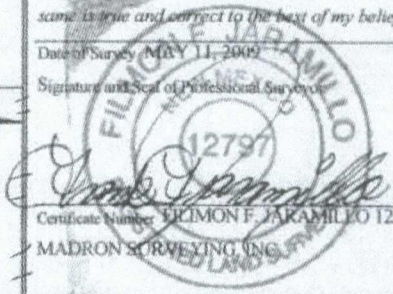
¹⁰Surface Location

UL or lot no. P	Section 5	Township 17 S.	Range 30 E.	Lot Idn	Feet from the 1010	North/South line SOUTH	Feet from the 1040	East/West line EAST	County EDDY
--------------------	--------------	-------------------	----------------	---------	-----------------------	---------------------------	-----------------------	------------------------	----------------

¹¹Bottom 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
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

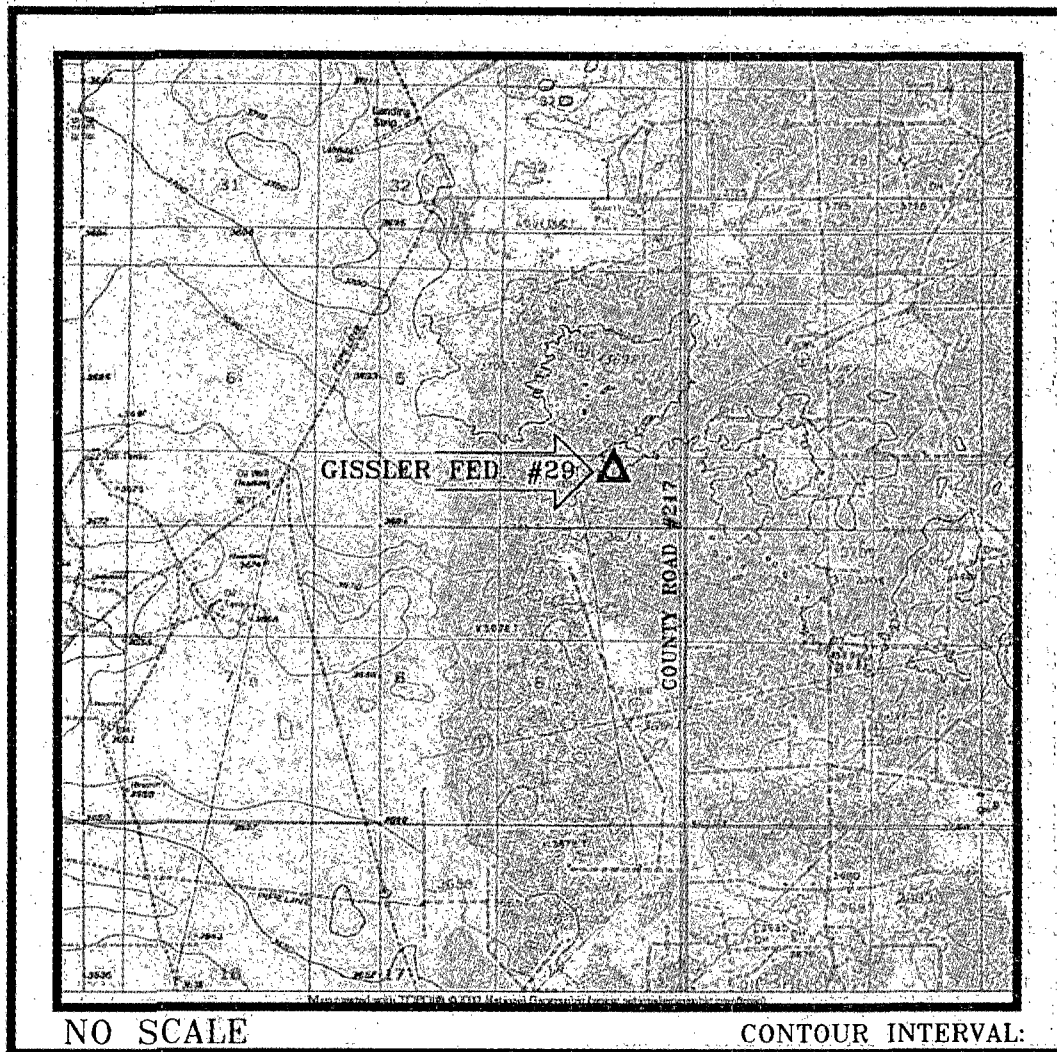
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.  Signature Robyn Odom Printed Name 5/28/09 Date
		(NAD-83) LAT: 32°51'32.8" LONG: 103°59'20.2" Y=676449.515 N X=647076.665 W ELEV.=3698.1		¹⁸ 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 of Survey MAY 11, 2009 Signature and Seal of Professional Surveyor  Certificate Number FILIMON F. JARAMILLO 12797 MADRON SURVEYING, INC.

SURVEY N° 008

SECTION 5, TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

LOCATION VERIFICATION MAP



DIRECTIONS TO LOCATION

FROM U.S. HIGHWAY 82 AND COUNTY ROAD #217
HAGERMAN CUTOFF GO NORTH 2.7 MILES ON COUNTY
ROAD #217 AND TURN LEFT ON CALIECHE LEASE ROAD
THEN GO WEST 0.2 MILES AND LOCATION IS ON THE
RIGHT (NORTH) APPROX. 200'

SEC. 5 TWP. 17-S RGE. 30-E
SURVEY N.M.P.M.
COUNTY EDDY STATE NEW MEXICO
DESCRIPTION 1010' FSL & 1040' FEL
ELEVATION 36981
OPERATOR C.O.G. OPERATING, LLC
LEASE GISSLER

COG OPERATING LLC
GISSLER FED. UNIT # 29
LOCATED 1010 FT. FROM THE SOUTH LINE
AND 1040 FT. FROM THE EAST LINE OF SECTION 5
TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 11, 2009

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO 88220
(575) 887-5830

Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Wednesday, June 03, 2009 9:55 AM
To: 'Robyn Odom'
Subject: Gissler #29; NSL Application

Dear Ms. Odom

Your application for this well states that the acreage encroached on is "the SW/4 SW/4, the NW/4 SW/4 and the NE/4 SW/4." This would appear to be a typo in that the well is located in Unit P, in the SE/4 SE/4.

Please confirm that interests are identical throughout the SE/4 of Section 5.

Thanks

David Brooks

Brooks, David K., EMNRD

From: Robyn Odom [rododom@conchoresources.com]
Sent: Wednesday, June 03, 2009 10:05 AM
To: Brooks, David K., EMNRD
Cc: Phyllis Edwards
Subject: RE: Gissler #29; NSL Application

Dear Mr. Brooks,

You are correct that is a typo. It should say that we are encroaching on the SW/4 SE/4, NW/4 SE/4 & NE/4 SE/4. COG owns the offset acreage in the S/2 of Section 5. Please let me know if I need to send you an amended application letter or any more information for the approval of this application.

Thank you,

Robyn Odom
X14385

From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Wednesday, June 03, 2009 10:55 AM
To: Robyn Odom
Subject: Gissler #29; NSL Application

Dear Ms. Odom

Your application for this well states that the acreage encroached on is "the SW/4 SW/4, the NW/4 SW/4 and the NE/4 SW/4." This would appear to be a typo in that the well is located in Unit P, in the SE/4 SE/4.

Please confirm that interests are identical throughout the SE/4 of Section 5.

Thanks

David Brooks

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

This inbound email has been scanned by the MessageLabs Email Security System.
