

5/5/08 DATE IN	SUSPENSE	Brooks ENGINEER	5/6/08 LOGGED IN	NSL TYPE	PKVR0812729630 APP NO.
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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 Operating LLC
GC Federal #10

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

- [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

5/2/08
Date

pedwards@conchoresources.com
e-mail Address

2008 MAY 5 PM 2:27
RECEIVED
5/5

**G C Federal #10
Lea County, NM**

COG proposes to drill a **VERTICAL** SE /4, 40 acre spacing
w/ Maljamar; Yeso oil well
TD of approximately 6800'

Location: 1615' FSL & 1525' FEL Sec 19, T17S, R32E, Unit J

**This well had to be drilled at a non-standard location
due to pipelines and 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 B C Federal #15 (990' FNL & 1650' FEL, Section 20, UL B) which was
completed in October 2007.

The B C Federal #15 Yeso completion has perms from 6105' – 6780' overall, but
divided into 3 perf/stimulation intervals:

1st interval: 6105' – 6305',
acidized w/ 5000 gals,
frac'd w/ 56,920 # 16/30 sand.

2nd interval: 6392' – 6592',
acidized w/ 5000 gals,
frac'd w/ 63,074# 16/30 sand.

3rd interval: 6680' – 6780',
acidized w/ 2500 gals,
frac'd w/ 22,615# 16/30 sand.

Attachment 1

Plat and topographic 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 NE / 4 of the SE / 4 and the SW / 4 of the
SE / 4 of Section 19.
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 & 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

API Number 30-025-	Pool Code 44500	Pool Name <i>under</i> MALJAMAR; YESO, WEST
Property Code 302498	Property Name GC FEDERAL	Well Number 10
OGRID No. 229137	Operator Name COG OPERATING LLC.	Elevation 3936.8'

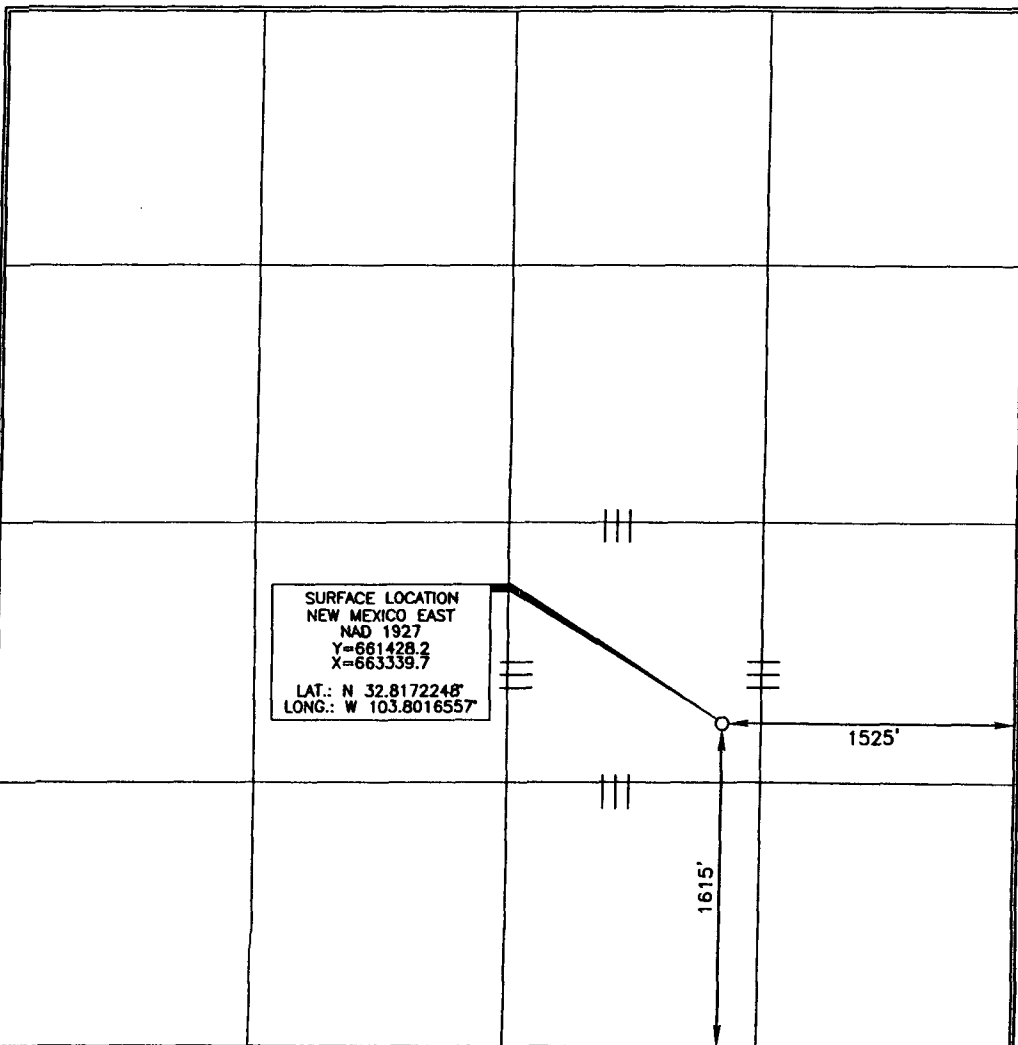
Surface Location

UL or lot no. J	Section 19	Township 17 SOUTH	Range 32 EAST, N.M.P.M.	Lot Idn	Feet from the 1615'	North/South line SOUTH	Feet from the 1525'	East/West line EAST	County LEA
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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 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.

Phyllis A. Edwards 4-28-08
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.

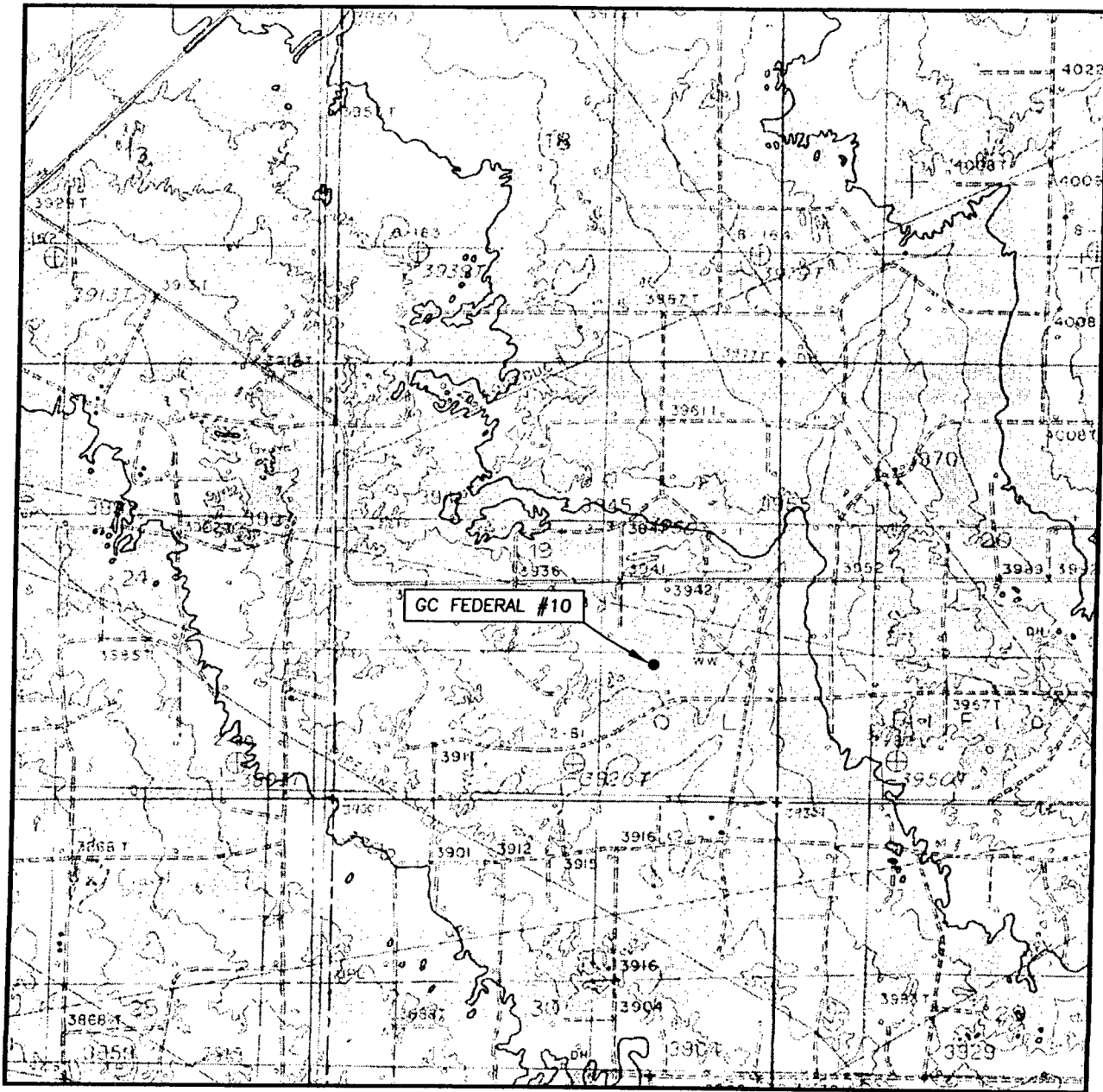
MARCH 11, 2008
Date of Survey

Signature and Seal of Professional Surveyor

Terry J. Carl 4/22/2008
Certificate Number 15079

WO# 080311WL-b (KA)

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 19 TWP. 17-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1615' FSL & 1525' FEL

ELEVATION 3936.8'

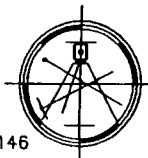
OPERATOR COG OPERATING LLC.

LEASE GC FEDERAL #10

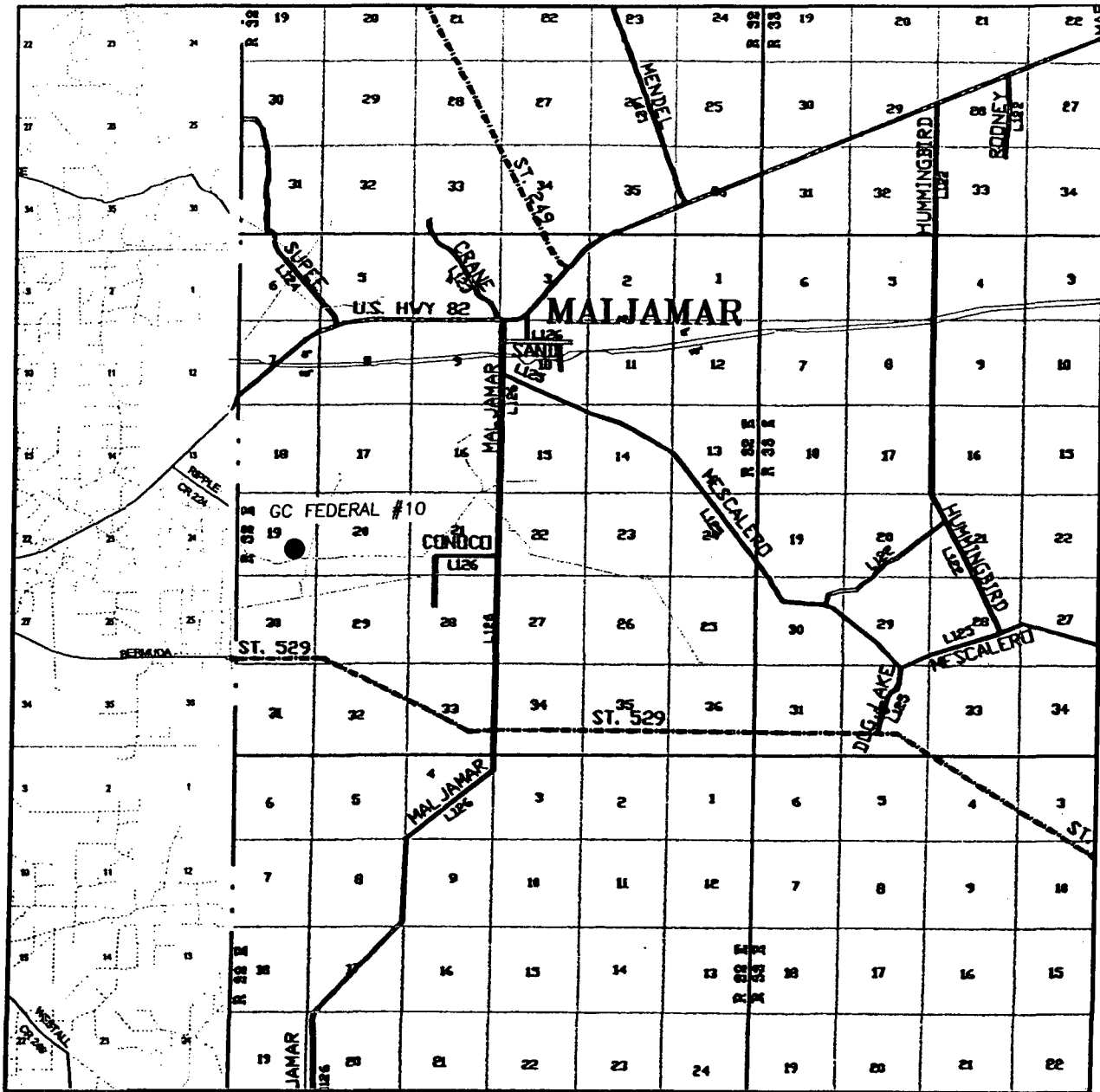
U.S.G.S. TOPOGRAPHIC MAP
MALJAMAR, N.M.

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-393-9146



VICINITY MAP

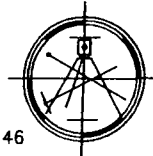


SEC. 19 TWP. 17-S RGE. 32-E
 SURVEY N.M.P.M.
 COUNTY LEA
 DESCRIPTION 1615' FSL & 1525' FEL
 ELEVATION 3936.8'
 OPERATOR COG OPERATING LLC.
 LEASE GC FEDERAL #10

SCALE: 1" = 2 MILES

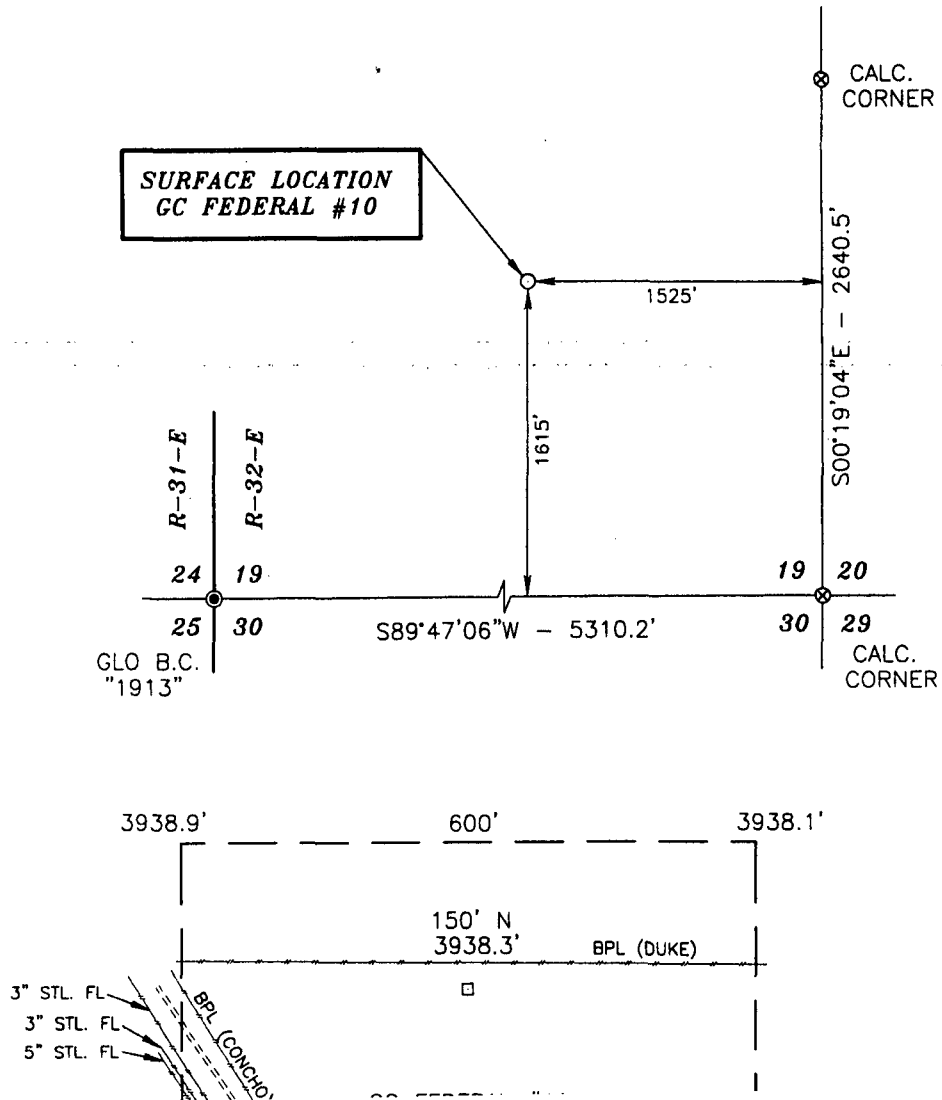
Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
 HOBBS, NEW MEXICO - 575-393-9146



SECTION 19, TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO


Basis of Bearings - GPS Geodetic Measurements
NM East Zone (83) North American Datum of 1983



G C Federal 10 Offset Wells

API#	Operator	Lease	Well#	County	Legal	First Prod.	Last Prod.	Field Name	Reservoir Name	Total Depth	W
30-025-08028	CONOCOPHILLIPS COMPANY	MCA UNIT	019	LEA	S:19, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		0	P
30-025-08028	CONOCOPHILLIPS COMPANY	MCA UNIT	019	LEA	S:19, T:17S, R:32E	Jan 1966	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	0	P
30-025-08029	CONOCOPHILLIPS COMPANY	MCA UNIT	020	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	T.	
30-025-08029	CONOCOPHILLIPS COMPANY	MCA UNIT	020	LEA	S:19, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)		T.	
30-025-08030	CONOCOPHILLIPS COMPANY	MCA UNIT	021	LEA	S:19, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		0	P
30-025-08030	CONOCOPHILLIPS COMPANY	MCA UNIT	021	LEA	S:19, T:17S, R:32E	Jan 1970	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	0	P
30-025-08032	CONOCO, INC.	MCA UNIT	259	LEA	S:19, T:17S, R:32E	Jan 1977	Dec 1992	MALJAMAR	GRAYBURG-SAN ANDRES	P	
30-025-08032	CONOCO, INC.	MCA UNIT	259	LEA	S:19, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		P	
30-025-08035	CONOCOPHILLIPS COMPANY	MCA UNIT	060	LEA	S:19, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	3,970	S
30-025-08036	CONOCO, INC.	MCA UNIT	018	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	4,002	Ir
30-025-08037	CONOCO, INC.	MCA UNIT	052	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	0	P
30-025-08037	CONOCO, INC.	MCA UNIT	052	LEA	S:19, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)		0	P
30-025-08038	CONOCOPHILLIPS COMPANY	MCA UNIT	053	LEA	S:19, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		T.	
	CONOCOPHILLIPS				S:19,						

30-025-08038	COMPANY	MCA UNIT	053	LEA	T:17S, R:32E	Sep 1977	Nov 1997	MALJAMAR	GRAYBURG-SAN ANDRES	T.
30-025-08039	CONOCOPHILLIPS COMPANY	MCA UNIT	054	LEA	S:19, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)		T.
30-025-08039	CONOCOPHILLIPS COMPANY	MCA UNIT	054	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	T.
30-025-08040	CONOCOPHILLIPS COMPANY	MCA UNIT	055	LEA	S:19, T:17S, R:32E	Jan 1993	Feb 1994	MALJAMAR	GRAYBURG-SAN ANDRES	0 P
30-025-08041	CONOCOPHILLIPS COMPANY	MCA UNIT	100	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	Ir
30-025-08041	CONOCOPHILLIPS COMPANY	MCA UNIT	100	LEA	S:19, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)		Ir
30-025-08042	CONOCOPHILLIPS COMPANY	MCA UNIT	059	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	3,984 Ir
30-025-08043	CONOCO, INC.	MCA UNIT	101	LEA	S:19, T:17S, R:32E	Jan 1977	Nov 1993	MALJAMAR	GRAYBURG-SAN ANDRES	P
30-025-08043	CONOCO, INC.	MCA UNIT	101	LEA	S:19, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		P
30-025-08044	CONOCOPHILLIPS COMPANY	MCA UNIT	057	LEA	S:19, T:17S, R:32E	Jan 1977	Aug 2002	MALJAMAR	GRAYBURG-SAN ANDRES	3,974 T.
30-025-08044	CONOCOPHILLIPS COMPANY	MCA UNIT	057	LEA	S:19, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)		3,974 T.
30-025-08046	CONOCOPHILLIPS COMPANY	MCA UNIT	056	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	3,984 T.
30-025-08047	CONOCOPHILLIPS COMPANY	MCA UNIT	103	LEA	S:19, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	0 P
30-025-12579	CONOCOPHILLIPS COMPANY	MCA UNIT	102	LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	Ir
30-025-12579	CONOCOPHILLIPS COMPANY	MCA UNIT	102	LEA	S:19, T:17S, R:32E			MALJAMAR GRAYBURG SA REP(ABOLISHED)		Ir

30-025-12764	CONOCOPHILLIPS COMPANY	MCA UNIT	099 LEA	T:17S, R:32E	Jul 1969	Dec 1990	MALJAMAR	GRAYBURG-SAN ANDRES	T.
30-025-23673	CONOCOPHILLIPS COMPANY	MCA UNIT	264 LEA	S:19, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	0 A
30-025-23732	CONOCOPHILLIPS COMPANY	MCA UNIT	276 LEA	S:19, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,025 P
30-025-23739	CONOCO, INC.	MCA UNIT	279 LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	4,050 P
30-025-23743	CONOCOPHILLIPS COMPANY	MCA UNIT	283 LEA	S:19, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,075 P
30-025-23745	CONOCOPHILLIPS COMPANY	MCA UNIT	285 LEA	S:19, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,060 P
30-025-23825	CONOCOPHILLIPS COMPANY	MCA UNIT	298 LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	4,082 Ir
30-025-23836	CONOCOPHILLIPS COMPANY	MCA UNIT	291 LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	4,070 Ir
30-025-23848	CONOCOPHILLIPS COMPANY	MCA UNIT	286 LEA	S:19, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,070 P
30-025-24214	CONOCOPHILLIPS COMPANY	MCA UNIT	320 LEA	S:19, T:17S, R:32E	Jan 1993	Dec 2007	MALJAMAR	GRAYBURG-SAN ANDRES	4,050 P
30-025-35481	MACK ENERGY CORPORATION	BC FEDERAL	406 LEA	S:19, T:17S, R:32E	Jun 2001	Jan 2007	MALJAMAR PADDOCK		5,600 P
30-025-35652	COG OPERATING LLC	BC FEDERAL	6 LEA	S:19, T:17S, R:32E	Nov 2001	Dec 2007	MALJAMAR	PADDOCK	7,562 P
30-025-35814	COG OPERATING LLC	GC FEDERAL	001 LEA	S:19, T:17S, R:32E	Apr 2002	Dec 2007	MALJAMAR	PADDOCK	7,085 P
30-025-35935	COG OPERATING LLC	GC FEDERAL	004 LEA	S:19, T:17S, R:32E	Nov 2002	Dec 2007	MALJAMAR	PADDOCK	6,280 A
30-025-22247	CONOCO, INC.	MCA UNIT	242 LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	3,920 U
		MCA UNIT		S:19,					

30-025-08036	BATTERY 1	018 LEA	T:17S, R:32E	Jan 1967	Oct 1967	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,002	Ir
30-025-08036	MCA UNIT BATTERY 1	018 LEA	S:19, T:17S, R:32E	Jan 1963	Dec 1966	MALJAMAR	GRAYBURG-SAN ANDRES	4,002	Ir
30-025-08040	MCA UNIT BATTERY 1	055 LEA	S:19, T:17S, R:32E	Jan 1967	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	0	P
30-025-08040	MCA UNIT BATTERY 1	055 LEA	S:19, T:17S, R:32E	Jan 1963	Dec 1992	MALJAMAR	GRAYBURG-SAN ANDRES	0	P
30-025-23825	MCA UNIT BATTERY 1	298 LEA	S:19, T:17S, R:32E	Jul 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,082	Ir
30-025-23825	MCA UNIT BATTERY 1	298 LEA	S:19, T:17S, R:32E	Jan 1977	Mar 1981	MALJAMAR	GRAYBURG-SAN ANDRES	4,082	Ir
30-025-24095	MCA UNIT BATTERY 1	309 LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	A	
30-025-08032	MCA UNIT BATTERY 1	259 LEA	S:19, T:17S, R:32E	Jun 1970	May 1973	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	P	
30-025-08032	MCA UNIT BATTERY 1	259 LEA	S:19, T:17S, R:32E	May 1989	Jun 1989	MALJAMAR	GRAYBURG-SAN ANDRES	P	
30-025-23673	MCA UNIT BATTERY 1	264 LEA	S:19, T:17S, R:32E	Feb 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	0	A
30-025-23673	MCA UNIT BATTERY 1	264 LEA	S:19, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	0	A
30-025-23743	MCA UNIT BATTERY 1	283 LEA	S:19, T:17S, R:32E	May 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,075	P
30-025-23743	MCA UNIT BATTERY 1	283 LEA	S:19, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,075	P
30-025-00000	MITCHELL B	014 LEA	S:19, T:17S, R:32E			MALJAMAR	PADDOCK	P	
30-025-08042	MCA UNIT BATTERY 1	059 LEA	S:19, T:17S, R:32E	Jan 1967	May 1968	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	3,984	Ir
	MCA UNIT		S:19,						

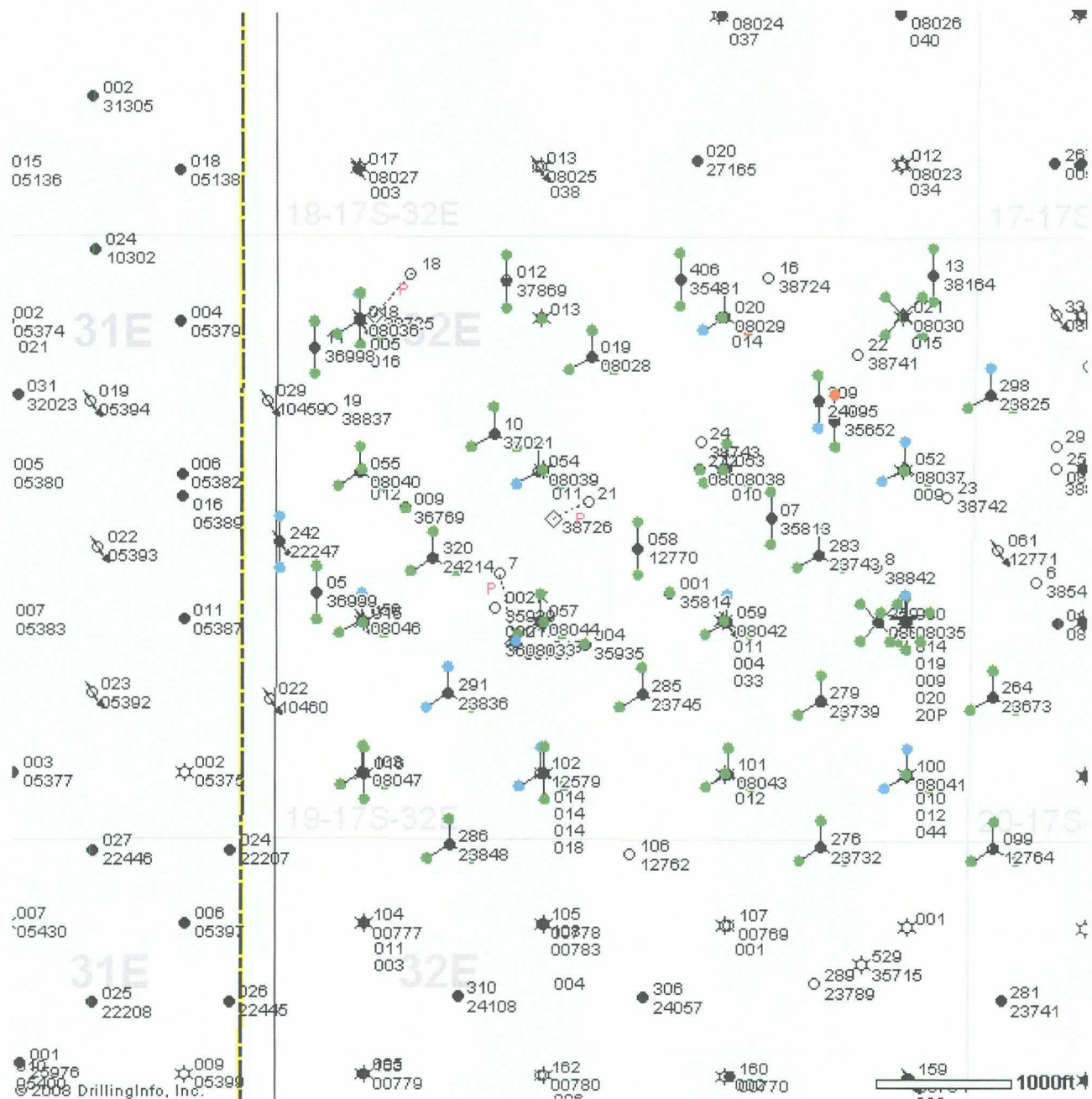
30-025-08042	BATTERY 1	059 LEA	T:17S, R:32E	Jan 1963	Dec 1966	MALJAMAR	GRAYBURG-SAN ANDRES	3,984	Ir
30-025-23745	MCA UNIT BATTERY 1	285 LEA	S:19, T:17S, R:32E	May 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,060	P
30-025-23745	MCA UNIT BATTERY 1	285 LEA	S:19, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,060	P
30-025-12770	MCA UNIT BATTERY 1	058 LEA	S:19, T:17S, R:32E	Jan 1970	Dec 1971	MALJAMAR	GRAYBURG-SAN ANDRES	A	
30-025-08046	MCA UNIT BATTERY 1	056 LEA	S:19, T:17S, R:32E	Jan 1963	Oct 1974	MALJAMAR	GRAYBURG-SAN ANDRES	3,984	T.
30-025-08046	MCA UNIT BATTERY 1	056 LEA	S:19, T:17S, R:32E	Jan 1969	Oct 1974	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	3,984	T.
30-025-23836	MCA UNIT BATTERY 1	291 LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	4,070	Ir
30-025-23836	MCA UNIT BATTERY 1	291 LEA	S:19, T:17S, R:32E	Aug 1971	Dec 1975	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,070	Ir
30-025-24214	MCA UNIT BATTERY 1	320 LEA	S:19, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,050	P
30-025-24214	MCA UNIT BATTERY 1	320 LEA	S:19, T:17S, R:32E	Jan 1973	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,050	P
30-025-22247	MCA UNIT BATTERY 1	242 LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	3,920	U
30-025-08047	MCA UNIT BATTERY 1	103 LEA	S:19, T:17S, R:32E	Jan 1967	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	0	P
30-025-08047	MCA UNIT BATTERY 1	103 LEA	S:19, T:17S, R:32E	Jan 1963	Dec 1992	MALJAMAR	GRAYBURG-SAN ANDRES	0	P
30-025-23848	MCA UNIT BATTERY 1	286 LEA	S:19, T:17S, R:32E	Sep 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,070	P
30-025-23848	MCA UNIT BATTERY 1	286 LEA	S:19, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,070	P
	MCA UNIT		S:19,						

30-025-12764	BATTERY 1	099 LEA	T:17S, R:32E	Jan 1970	Nov 1973	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	T.
30-025-12764	MCA UNIT BATTERY 1	099 LEA	S:19, T:17S, R:32E	Jan 1989	Feb 1990	MALJAMAR	GRAYBURG-SAN ANDRES	T.
30-025-23739	MCA UNIT BATTERY 1	279 LEA	S:19, T:17S, R:32E	Jan 1977	Jun 1991	MALJAMAR	GRAYBURG-SAN ANDRES	4,050 P
30-025-23739	MCA UNIT BATTERY 1	279 LEA	S:19, T:17S, R:32E	Apr 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,050 P
30-025-23732	MCA UNIT BATTERY 1	276 LEA	S:19, T:17S, R:32E	Jan 1977	Dec 1993	MALJAMAR	GRAYBURG-SAN ANDRES	4,025 P
30-025-23732	MCA UNIT BATTERY 1	276 LEA	S:19, T:17S, R:32E	Apr 1971	Dec 1976	MALJAMAR GRAYBURG SA REP(ABOLISHED)	GRAYBURG-SAN ANDRES	4,025 P
30-025-12770	CONOCO, INC.	058 LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	A
30-025-08034	CONOCO, INC.	272 LEA	S:19, T:17S, R:32E			MALJAMAR	GRAYBURG-SAN ANDRES	5,362 A
30-025-35813	COG OPERATING LLC	07 LEA	S:19, T:17S, R:32E	Mar 2004	Dec 2007	MALJAMAR	PADDOCK	6,620 A
30-025-36769	COG OPERATING LLC	009 LEA	S:19, T:17S, R:32E	Sep 2004	Dec 2007	MALJAMAR	PADDOCK	6,005 A
30-025-36999	COG OPERATING LLC	05 LEA	S:19, T:17S, R:32E	Feb 2005	Dec 2007	MALJAMAR	PADDOCK	7,220 A
30-025-08028	CONTINENTAL OIL COMPANY	019 LEA	S:19, T:17S, R:32E	Jan 1963	Dec 1971	MALJAMAR REPRESS		0 P
30-025-08029	CONTINENTAL OIL COMPANY	020 LEA	S:19, T:17S, R:32E	Jan 1963	Jul 1968	MALJAMAR REPRESS		T.
30-025-08037	CONTINENTAL OIL COMPANY	052 LEA	S:19, T:17S, R:32E	Jan 1963	Jul 1969	MALJAMAR REPRESS		0 P
30-025-08038	CONTINENTAL OIL COMPANY	053 LEA	S:19, T:17S, R:32E	Jan 1963	Dec 1971	MALJAMAR REPRESS		T.
	MCA UNIT		S:19,					

30-025-08039	CONTINENTAL OIL COMPANY	BATTERY 1	054 LEA	T:17S, R:32E	Jan 1963	Jul 1969	MALJAMAR REPRESS	T:17S, R:32E	
30-025-08044	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	057 LEA	S:19, T:17S, R:32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	S:19, T:17S, R:32E	3,974 T:17S, R:32E
30-025-08035	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	060 LEA	S:19, T:17S, R:32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	S:19, T:17S, R:32E	3,970 S:19, T:17S, R:32E
30-025-08041	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	100 LEA	S:19, T:17S, R:32E	Jan 1963	Jul 1969	MALJAMAR REPRESS	S:19, T:17S, R:32E	Ir
30-025-08043	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	101 LEA	S:19, T:17S, R:32E	Jan 1963	Dec 1971	MALJAMAR REPRESS	S:19, T:17S, R:32E	P
30-025-12579	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	102 LEA	S:19, T:17S, R:32E	Jan 1963	Mar 1968	MALJAMAR REPRESS	S:19, T:17S, R:32E	Ir
30-025-08030	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	021 LEA	S:19, T:17S, R:32E	Jan 1963	Dec 1969	MALJAMAR REPRESS	S:19, T:17S, R:32E	0 P
30-025-00000	BUFFALO	MITCHELL B	019 LEA	S:19, T:17S, R:32E	Jan 1953	Dec 1953	MALJAMAR	S:19, T:17S, R:32E	GRAYBURG-SAN ANDRES A
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	005 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	S:19, T:17S, R:32E	A
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	009 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMARREPRESSURING POOL	S:19, T:17S, R:32E	A
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	010 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING	S:19, T:17S, R:32E	A
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	011 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	S:19, T:17S, R:32E	A
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	012 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	S:19, T:17S, R:32E	A
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	013 LEA	S:19, T:17S, R:32E	Oct 1948	Dec 1962	MALJAMAR REPRESSURING POOL	S:19, T:17S, R:32E	A
30-025-00000	BUFFALO- CONT'D.	MITCHELL A	014 LEA	S:19, T:17S, R:32E	Aug 1946	Dec 1962	MALJAMAR REPRESSURING POOL	S:19, T:17S, R:32E	A

30-025-00000	BUFFALOCONT'D.	MITCHELL A	015 LEA	T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	A
30-025-00000	BUFFALO CONT'D.	MITCHELL B	009 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING P OOL	A
30-025-00000	BUFFALO- CONT'D.	MITCHELL B	010 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	A
30-025-00000	BUFFALO- CONT'D.	MITCHELL B	011 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	A
30-025-00000	BUFFALO- CONT'D.	MICHELL B	012 LEA	S:19, T:17S, R:32E	Dec 1946	Dec 1962	MALJAMAR REPRESSURING POOL	A
30-025-00000	BUFFALO- CONT'D.	MITCHELL B	013 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	A
30-025-00000	BUFFALO- CONT'D.	MITCHELL B	015 LEA	S:19, T:17S, R:32E	Jan 1946	Dec 1962	MALJAMAR REPRESSURING POOL	A
30-025-00000	BUFFALO- CONT'D.	MITCHELL B	016 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING POOL	A
30-025-00000	BUFFALO OIL CO.	MITCHELL B	014 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1962	MALJAMAR REPRESSURING	A
30-025-00000	BUFFALO OIL COMPANY	MITCHELL B	020 LEA	S:19, T:17S, R:32E	Jan 1952	Nov 1958	MALJAMAR-PADDOCK	A
30-025-00000	BUFFALO OIL COMPANY	MITCHELL	20P LEA	S:19, T:17S, R:32E	Jan 1951	Dec 1955	MALJAMAR PADDOCK POOL	A
30-025-00000	BUFFALO OIL CO.	MITCHELL A	016 LEA	S:19, T:17S, R:32E	Jan 1946	Dec 1946	MALJAMAR REPRESSURING OIL	A
30-025-00000	BUFFALO OIL CO.	MITCHELL B	017 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1945	MALJAMAR REPRESS.	A
30-025-00000	BUFFALO OIL CO.	MITCHELL B	018 LEA	S:19, T:17S, R:32E	Jan 1945	Dec 1945	MALJAMAR REPRESS.	A
30-025-08030	CONTINENTAL OIL CO	MCA UNIT BATTERY 1	021 LEA	S:19, T:17S, R:32E	Jan 1971	Dec 1971	MALJAMAR GRAYBURG SA REPRES	0 P
				S:19,				

30-025-37021	MACK ENERGY CORP	BC FEDERAL	10 LEA	T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	6,710 A
30-025-37021	COG OPERATING LLC	BC FEDERAL	10 LEA	S:19, T:17S, R:32E	Jul 2005 Dec 2007 MALJAMAR	PADDOCK	6,710 A
30-025-36998	COG OPERATING LLC	BC FEDERAL	11 LEA	S:19, T:17S, R:32E	Nov 2005 Dec 2007 MALJAMAR	PADDOCK	67,209 A
30-025-37869	COG OPERATING LLC	BC FEDERAL	012 LEA	S:19, T:17S, R:32E	Jul 2006 Nov 2006 MALJAMAR PADDOCK		6,700 A
30-025-37869	COG OPERATING LLC	BC FEDERAL	012 LEA	S:19, T:17S, R:32E	Jul 2006 Dec 2007 MALJAMAR	PADDOCK	6,700 A
30-025-35481	COG OPERATING LLC	BC FEDERAL	406 LEA	S:19, T:17S, R:32E	Jan 2005 Dec 2007 MALJAMAR	PADDOCK	5,600 P
30-025-38164	COG OPERATING LLC	BC FEDERAL	13 LEA	S:19, T:17S, R:32E	Jul 2007 Dec 2007 WILDCAT G-02 S173219A,YESO		6,700 A
30-025-36998	MACK ENERGY CORPORATION	BC FEDERAL	11 LEA	S:19, T:17S, R:32E	MALJAMAR PADDOCK		67,209 A
30-025-36999	MACK ENERGY CORPORATION	GC FEDERAL	05 LEA	S:19, T:17S, R:32E	MALJAMAR PADDOCK		7,220 A
30-025-35652	MACK ENERGY CORPORATION	BC FEDERAL	6 LEA	S:19, T:17S, R:32E	MALJAMAR PADDOCK		7,562 P
30-025-37021	MACK ENERGY CORPORATION	BC FEDERAL	10 LEA	S:19, T:17S, R:32E	MALJAMAR PADDOCK		6,710 A
30-025-35813	MACK ENERGY CORPORATION	BC FEDERAL	07 LEA	S:19, T:17S, R:32E	MALJAMAR PADDOCK		6,620 A
30-025-24095	STEVENS OPERATING CORPORATION	PRE- ONGARD WELL	309 LEA	S:19, T:17S, R:32E	MALJAMAR	GRAYBURG-SAN ANDRES	A
30-025-08033	STEVENS OPERATING CORPORATION	PRE- ONGARD WELL	017 LEA	S:19, T:17S, R:32E	MALJAMAR	PADDOCK	14,246 A
30-025-38164	COG OPERATING LLC	BC FEDERAL	13 LEA	S:19, T:17S, R:32E	WILDCAT YESO		6,700 A



[illegible]

Date: May 1, 2008

To: Phyllis Edwards

From: Thena Anderson

RE: *Non-Standard Location – GC Federal #10*
Section 19, T17S, R-32E
Lea County, New Mexico

Please be advised that ownership and operator, as to the depths from below the base of the Grayburg/San Andres to top of the Wolfcamp, are common between the spacing unit containing the unorthodox well (GC Federal #10 - Unit J) and the adjoining spacing units (Units I and O). COG and ConocoPhillips own and COG operates these depths under a Farmout Agreement from ConocoPhillips.

These units are included in BLM lease NMLC-29405-B which covers S/2 Section 19 as well as additional lands (see attached plat).

Should you have any questions or need additional information, please advise.

Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Sunday, June 01, 2008 4:08 PM
To: 'Phyllis Edwards'
Subject: GC Fed #10

Dear Ms. Edwards

I have looked at the NSL application for the referenced well.

You state that it encroaches toward the NE/4 SE/4 (Unit I) and the SW/4 SE/4 (Unit O), and that ownership of those units is identical with the subject Unit, Unit J.

It seems, however, that it also encroaches towards the SE/4 SE/4 (Unit P). Is ownership of that unit in the Yeso also identical with the other identified units?

Thanks

David K. Brooks
Legal Examiner
505-476-3450

6/1/2008

Brooks, David K., EMNRD

From: Phyllis Edwards [PEdwards@conchoresources.com]
Sent: Monday, June 02, 2008 11:37 AM
To: Brooks, David K., EMNRD
Subject: RE: GC Fed #10

Dear Mr. Brooks,

I checked with our land department & was advised that the ownership of SE/4 SE/4 (Unit P) in the Yeso is identical with the other identified units.

I am sorry for the oversight.

Thanks for your help !!!

Phyllis Edwards

Regulatory Analyst



COG Operating LLC

Fasken Tower II

550 W. Texas Avenue, Suite 1300

Midland, TX 79701

432-685-4340 P

432-685-4399 F

pedwards@conchoresources.com

From: Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]
Sent: Sunday, June 01, 2008 6:08 PM
To: Phyllis Edwards
Subject: GC Fed #10

Dear Ms. Edwards

I have looked at the NSL application for the referenced well.

You state that it encroaches toward the NE/4 SE/4 (Unit I) and the SW/4 SE/4 (Unit O), and that ownership of those units is identical with the subject Unit, Unit J.

It seems, however, that it also encroaches towards the SE/4 SE/4 (Unit P). Is ownership of that unit in the Yeso also identical with the other identified units?

Thanks

David K. Brooks
Legal Examiner
505-476-3450

6/3/2008

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