

DATE IN 5-6-11	SUSPENSE	ENGINEER DB	LOGGED IN	TYPE NSL	APP NO. 1112941889
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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 279137

GCFed#57

6384

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.

Kelly J. Holly		Permitting Tech	5-5-11
Print or Type Name	Signature	Title	Date
(432) 685-4384		kholly@conchoresources.com	
Phone Number		E-mail Address	

**G C Federal #57
Lea County, NM**

COG proposes to drill a **VERTICAL** NE/4 SW/4 40 acre spacing
Maljamar; Yeso oil well
TD of approximately 7100'

Location: 1625' FSL & 1907' FWL Sec 19, T17S, R32E, Unit K

This well had to be drilled at a non-standard location do to an existing well too
close to original location.

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 G C Federal #5 (2210' FSL & 330' FWL, Section 19, Lot 3) which was
completed in February 2005.

The G C Federal #5 completion broke the Yeso up into 2 perf/stimulation
intervals from: 6360' – 6929'.

1st interval: 6360' to 6553',
acidized w/ 3000 gals,
frac'd w/ 90,006 gals gel, 8,000 # LiteProp, 89,420# 16/30 sand.

2nd interval: 6799' – 6929',
acidized w/ 2500 gals,
frac'd w/ 90,681# gal gel, 8000# LiteProp, & 87,020 gals 16/30 sand.

At this time, we assume the G C Federal #62 should be very similar.

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 SW / 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
11885 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, New Mexico 87505

Form C-102
Revised July 16, 2010
Submit to Appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025	Pool Code 44500	Pool Name Maljamar; Yeso, West
Property Code 302498	Property Name GC FEDERAL	Well Number 57
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3928'

Surface Location

UL or lot No. K	Section 19	Township 17-S	Range 32-E	Lot Idn	Feet from the 1625	North/South line SOUTH	Feet from the 1907	East/West line WEST	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

LOT 1				
LOT 2				
LOT 3				
LOT 4				

1907'

1625'

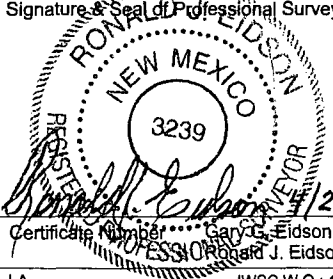
S.L.
SEE DETAIL

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y=661430.9 N
X=661460.6 E
LAT.=32.817258° N
LONG.=103.807772° W

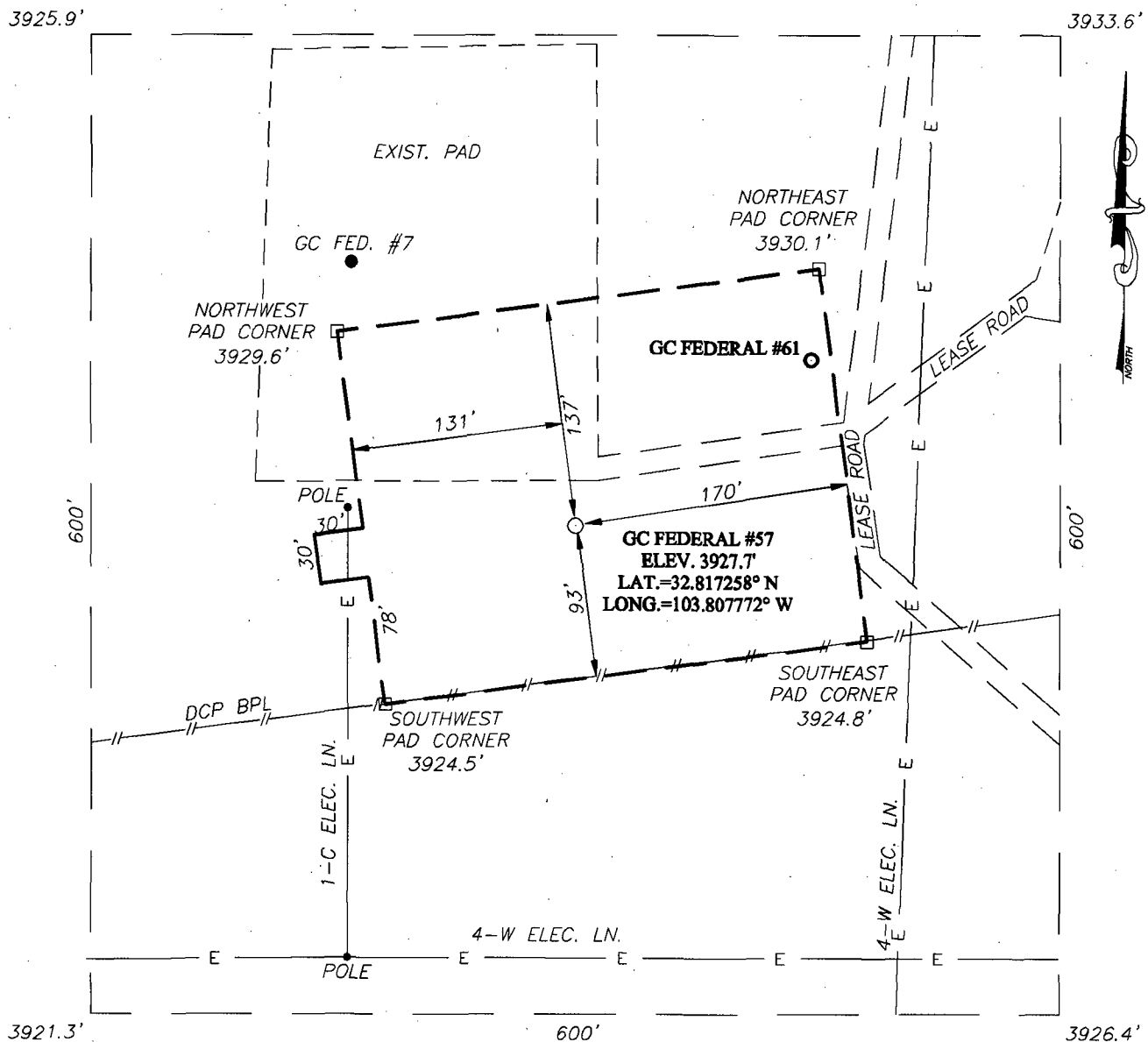
DETAIL
3925.9' 3933.6'
600'
3921.3' 3926.4'

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.

5-2-11
Signature Date
Kelly J. Holly
Printed Name
kholly@conchoresources.com
E-mail Address

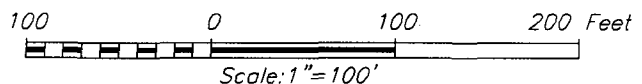
SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
APRIL 20, 2011
Date of Survey
Signature & Seal of Professional Surveyor:

Certificate Number 12641
Ronald J. Eidson 3239
LA JWSC W.O.: 11.11.0132

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



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #224 (RIPPLE RD.), GO SOUTHEAST, THEN SOUTH ON CO. RD. #224 APPROX. 1.4 MILES. TURN LEFT AND GO EAST APPROX. 0.4 MILES. TURN RIGHT AND GO SOUTH APPROX. 0.2 MILES TO THE GC FED. #7 WELL PAD. THE LOCATION STAKE IS APPROX. 212 FEET SOUTHEAST OF EXISTING WELL HEAD.



COG OPERATING, LLC

GC FEDERAL #57 WELL
 LOCATED 1625 FEET FROM THE SOUTH LINE
 AND 1907 FEET FROM THE EAST LINE OF SECTION 19,
 TOWNSHIP 17 SOUTH, RANGE 32 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO.

Survey Date: 4/20/11	Sheet 1 of 1 Sheets
W.O. Number: 11.11.0132	Dr By: LA
Date: 4/28/11	Rev 1: N/A
11110132	Scale: 1"=100'

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

Producing Wells in Sec 19, T17S, R32E, LEA County

API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-025-12764	CONOCOPHILLIPS COMPANY	MCA UNIT	099	LEA	S:19, T:17S, R:32E		PO	Temporarily Abandoned	Jul 1969	Dec 1990	0.00
30-025-08042		MCA UNIT BATTERY 1	059	LEA	S:19, T:17S, R:32E	3,984	I	Injection Well	Jan 1967	May 1968	0.00
30-025-08029	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	020	LEA	S:19, T:17S, R:32E		PI	Temporarily Abandoned	Jan 1963	Jul 1968	0.00
30-025-12579	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	102	LEA	S:19, T:17S, R:32E		PI	Injection Well	Jan 1963	Mar 1968	0.00
30-025-35935	MACK ENERGY CORP	GC FEDERAL	004	LEA	S:19, T:17S, R:32E	7,028	O	Active	Nov 2002	Jul 2008	0.13
30-025-08040	CONOCOPHILLIPS COMPANY	MCA UNIT	055	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1993	Feb 1994	0.32
30-025-08035	CONOCOPHILLIPS COMPANY	MCA UNIT	060	LEA	S:19, T:17S, R:32E	3,970	O	Shut-in	Jan 1993	Jan 2011	0.74
30-025-08047	CONOCOPHILLIPS COMPANY	MCA UNIT	103	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1993	Jan 2011	0.74
30-025-23673	CONOCOPHILLIPS COMPANY	MCA UNIT	264	LEA	S:19, T:17S, R:32E	0	O	Active	Jan 1993	Jan 2011	0.74
30-025-23743	CONOCOPHILLIPS COMPANY	MCA UNIT	283	LEA	S:19, T:17S, R:32E	4,075	O	Pumping	Jan 1993	Jan 2011	0.77
30-025-24214	CONOCOPHILLIPS COMPANY	MCA UNIT	320	LEA	S:19, T:17S, R:32E	4,050	O	Pumping	Jan 1993	Jan 2011	0.77
30-025-08032		MCA UNIT BATTERY 1	259	LEA	S:19, T:17S, R:32E		O	Pumping	May 1989	Jun 1989	0.87
30-025-23673		MCA UNIT BATTERY 1	264	LEA	S:19, T:17S, R:32E	0	O	Active	Jan 1977	Dec 1993	0.87
30-025-23848		MCA UNIT BATTERY 1	286	LEA	S:19, T:17S, R:32E	4,070	O	Pumping	Jan 1977	Dec 1993	0.90
30-025-23739		MCA UNIT BATTERY 1	279	LEA	S:19, T:17S, R:32E	4,050	O	Pumping	Jan 1977	Jun 1991	0.90
30-025-00000	BUFFALOCONT'D.	MITCHELL A	015	LEA	S:19, T:17S, R:32E		G	Active	Jan 1945	Dec 1962	1.03
30-025-08036		MCA UNIT BATTERY 1	018	LEA	S:19, T:17S, R:32E	4,002	I	Injection Well	Jan 1963	Dec 1966	1.06
30-025-08043	CONOCO, INC.	MCA UNIT	101	LEA	S:19, T:17S, R:32E		O	Pumping	Jan 1977	Nov 1993	1.13
30-025-08038	CONOCOPHILLIPS COMPANY	MCA UNIT	053	LEA	S:19, T:17S, R:32E		PO	Temporarily Abandoned	Sep 1977	Nov 1997	1.50
30-025-08028	CONOCOPHILLIPS COMPANY	MCA UNIT	019	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1966	Jan 2011	1.52
30-025-23732		MCA UNIT BATTERY 1	276	LEA	S:19, T:17S, R:32E	4,025	O	Pumping	Apr 1971	Dec 1976	1.65
30-025-35935	COG OPERATING LLC	GC FEDERAL	004	LEA	S:19, T:17S, R:32E	7,028	O	Active	Jan 2006	Jan 2011	2.10
		MCA UNIT			S:19, T:17S, R:32E						

30-025-23743		BATTERY 1	283	LEA	R:32E	4,075	O	Pumping	Jan 1977	Dec 1993	2.23
30-025-23732	CONOCOPHILLIPS COMPANY	MCA UNIT	276	LEA	S:19, T:17S, R:32E	4,025	O	Pumping	Jan 1993	Jan 2011	2.26
30-025-08044	CONOCOPHILLIPS COMPANY	MCA UNIT	057	LEA	S:19, T:17S, R:32E	3,974	PO	Temporarily Abandoned	Jan 1977	Aug 2002	2.39
30-025-08041	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	100	LEA	S:19, T:17S, R:32E		PI	Injection Well	Jan 1963	Jul 1969	2.39
30-025-37021	COG OPERATING LLC DRILLING AND EXPL CO	BC FEDERAL	10	LEA	S:19, T:17S, R:32E	6,710	O	Active Permit	Jul 2005	Jan 2011	2.52
30-025-02826		STATE J	1	LEA	S:19, T:17S, R:32E	4,700	U	Pumping	Jan 1945	Dec 1963	2.61
30-025-02826	CONOCOPHILLIPS COMPANY	EAST VACUUM (GSA) UNIT	1	LEA	S:19, T:17S, R:32E	4,700	U	Pumping	Jan 1964	Dec 1976	2.77
30-025-35652	COG OPERATING LLC ATLANTIC RICHFIELD CO	BC FEDERAL	6	LEA	S:19, T:17S, R:32E	7,562	O	Pumping	Nov 2001	Jan 2011	2.77
30-025-02826		STATE J DE	1	LEA	S:19, T:17S, R:32E	4,700	U	Pumping	Jan 1962	Dec 1971	2.84
30-025-08030	CONOCOPHILLIPS COMPANY	MCA UNIT	021	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1970	Jan 2011	3.03
30-025-23848	CONOCOPHILLIPS COMPANY	MCA UNIT	286	LEA	S:19, T:17S, R:32E	4,070	O	Pumping	Jan 1993	Jan 2011	3.03
30-025-00000	BUFFALO-CONTD.	MITCHELL A	014	LEA	S:19, T:17S, R:32E		O	Active	Aug 1946	Dec 1962	3.06
30-025-08040		MCA UNIT BATTERY 1	055	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1963	Dec 1992	3.19
30-025-23825		MCA UNIT BATTERY 1	298	LEA	S:19, T:17S, R:32E	4,082	PI	Injection Well	Jan 1977	Mar 1981	3.19
30-025-08036		MCA UNIT BATTERY 1	018	LEA	S:19, T:17S, R:32E	4,002	I	Injection Well	Jan 1967	Oct 1967	3.42
30-025-08028	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	019	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1963	Dec 1971	3.42
30-025-08047		MCA UNIT BATTERY 1	103	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1963	Dec 1992	4.19
30-025-36998	COG OPERATING LLC	BC FEDERAL	11	LEA	S:19, T:17S, R:32E	6,720	O	Active Permit	Nov 2005	Jul 2010	4.35
30-025-00000	BUFFALO-CONTD.	MITCHELL A	005	LEA	S:19, T:17S, R:32E		O	Active	Jan 1945	Dec 1962	4.77
30-025-08032	CONOCO, INC.	MCA UNIT	259	LEA	S:19, T:17S, R:32E		O	Pumping	Jan 1977	Dec 1992	4.97
30-025-02826	CONOCOPHILLIPS COMPANY	EAST VACUUM (GSA) UNIT	1	LEA	S:19, T:17S, R:32E	4,700	U	Pumping	Jan 1959	Jan 2011	5.03
30-025-23745	CONOCOPHILLIPS COMPANY	MCA UNIT	285	LEA	S:19, T:17S, R:32E	4,060	O	Pumping	Jan 1993	Jan 2011	5.23
30-025-35481	MACK ENERGY CORP	BC FEDERAL	4	LEA	S:19, T:17S, R:32E	5,600	O	Pumping	Jun 2001	Jan 2007	5.23
30-025-00000	BUFFALO-CONTD.	MITCHELL A	011	LEA	S:19, T:17S, R:32E		G	Active	Jan 1945	Dec 1962	5.74
30-025-24214		MCA UNIT BATTERY 1	320	LEA	S:19, T:17S, R:32E	4,050	O	Pumping	Jan 1977	Dec 1993	5.97

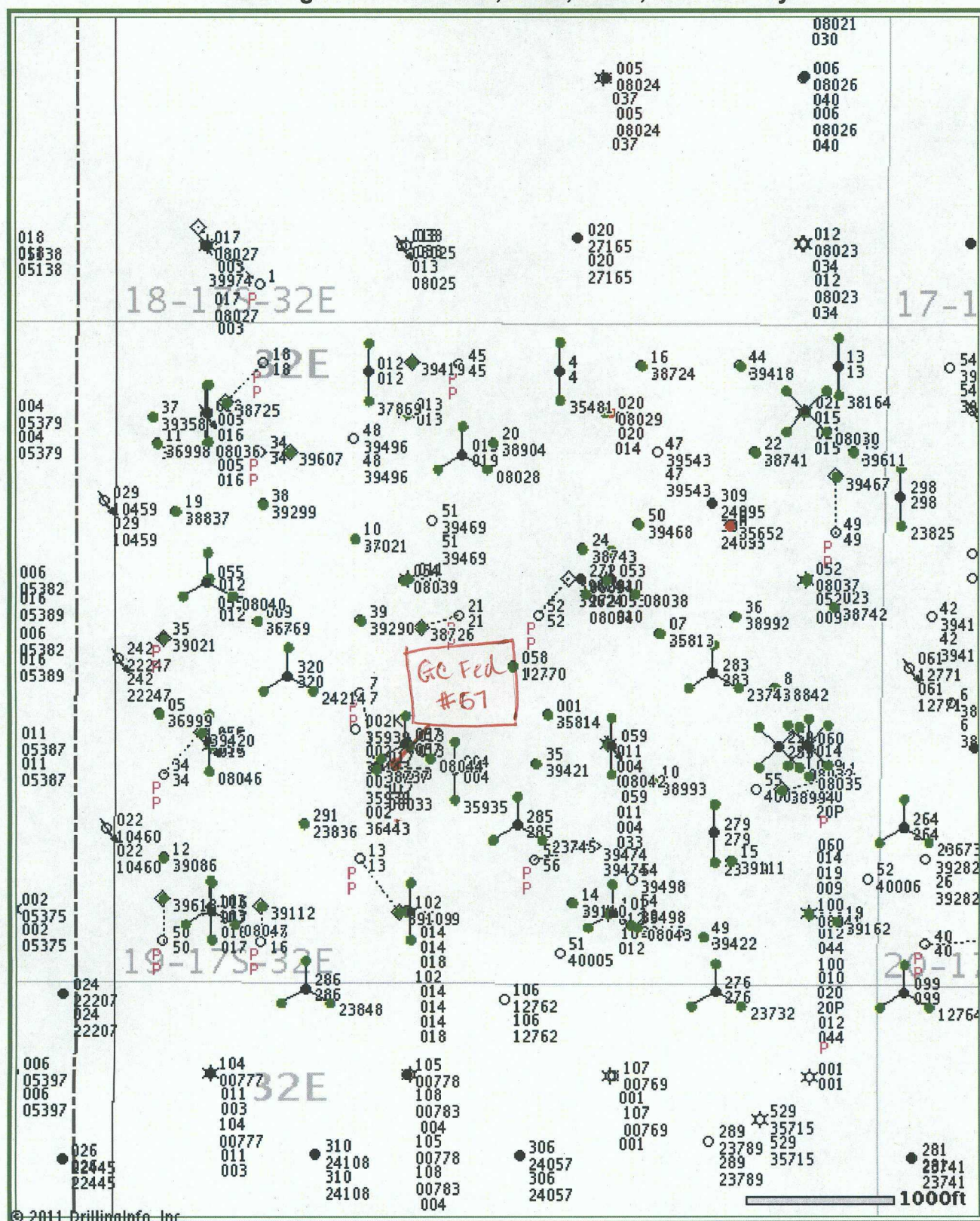
30-025-23732		MCA UNIT BATTERY 1	276	LEA	S:19, T:17S, R:32E	4,025	O	Pumping		Jan 1977	Dec 1993	6.94
30-025-39468	COG OPERATING LLC	BC FEDERAL	50	LEA	S:19, T:17S, R:32E	6,920	O	Active Permit		Jan 2010	Jan 2011	7.29
30-025-00000	BUFFALO-CONTD.	MITCHELL A	013	LEA	S:19, T:17S, R:32E		G	Active		Oct 1948	Dec 1962	7.65
30-025-23745		MCA UNIT BATTERY 1	285	LEA	S:19, T:17S, R:32E	4,060	O	Pumping		Jan 1977	Dec 1993	7.81
30-025-38164	COG OPERATING LLC	BC FEDERAL	13	LEA	S:19, T:17S, R:32E	6,700	O	Active Permit		Jan 2008	Jan 2011	8.10
30-025-12764		MCA UNIT BATTERY 1	099	LEA	S:19, T:17S, R:32E		PO	Temporarily Abandoned		Jan 1989	Feb 1990	8.32
30-025-36769	COG OPERATING LLC	BC FEDERAL	009	LEA	S:19, T:17S, R:32E	6,005	O	Active		Sep 2004	Jan 2011	8.48
30-025-35813	COG OPERATING LLC	BC FEDERAL	07	LEA	S:19, T:17S, R:32E	6,590	O	Active		Mar 2004	Jan 2011	8.97
30-025-39613	COG OPERATING LLC	GC FEDERAL	50	LEA	S:19, T:17S, R:32E	7,128	O	Active Permit		Jan 2011	Jan 2011	9.00
30-025-38742	COG OPERATING LLC	BC FEDERAL	023	LEA	S:19, T:17S, R:32E	7,250	PO	Active Permit		Nov 2008	Mar 2010	9.03
30-025-37869	COG OPERATING LLC	BC FEDERAL	012	LEA	S:19, T:17S, R:32E	6,780	O	Active Permit		Jul 2006	Jan 2011	9.10
30-025-38842	COG OPERATING LLC	GC FEDERAL	8	LEA	S:19, T:17S, R:32E	6,815	O	Active Permit		Jul 2008	Jan 2011	9.26
30-025-38904	COG OPERATING LLC	BC FEDERAL	20	LEA	S:19, T:17S, R:32E	7,020	O	Active Permit		Sep 2008	Jan 2011	9.68
30-025-23673		MCA UNIT BATTERY 1	264	LEA	S:19, T:17S, R:32E	0	O	Active		Feb 1971	Dec 1976	10.29
30-025-37869	COG OPERATING LLC	BC FEDERAL	012	LEA	S:19, T:17S, R:32E	6,780	O	Active Permit		Jul 2006	Nov 2006	10.80
30-025-00000	BUFFALO-CONTD.	MITCHELL B	015	LEA	S:19, T:17S, R:32E		G	Active		Jan 1946	Dec 1962	11.16
30-025-39021	COG OPERATING LLC	BC FEDERAL	35	LEA	S:19, T:17S, R:32E	6,825	O	Active Permit		Jun 2009	Jan 2011	11.35
30-025-08046		MCA UNIT BATTERY 1	056	LEA	S:19, T:17S, R:32E	3,984	I	Temporarily Abandoned		Jan 1963	Oct 1974	11.94
30-025-08046		MCA UNIT BATTERY 1	056	LEA	S:19, T:17S, R:32E	3,984	I	Temporarily Abandoned		Jan 1969	Oct 1974	11.94
30-025-39086	COG OPERATING LLC	GC FEDERAL	12	LEA	S:19, T:17S, R:32E	6,928	O	Active Permit		Dec 2008	Jan 2011	12.03
30-025-38164	COG OPERATING LLC	BC FEDERAL	13	LEA	S:19, T:17S, R:32E	6,700	O	Active Permit		Jul 2007	Aug 2009	12.90
30-025-38837	COG OPERATING LLC	BC FEDERAL	19	LEA	S:19, T:17S, R:32E	7,200	PO	Active Permit		Aug 2008	Jan 2011	13.26
30-025-35814	COG OPERATING LLC	GC FEDERAL	001	LEA	S:19, T:17S, R:32E	7,085	O	Pumping		Apr 2002	Jan 2011	13.32
30-025-08038	CONOCOPHILLIPS COMPANY	MCA UNIT	053	LEA	S:19, T:17S, R:32E		PO	Temporarily Abandoned		Jan 1973	Dec 1976	13.55
30-025-23848		MCA UNIT BATTERY 1	286	LEA	S:19, T:17S, R:32E	4,070	O	Pumping		Sep 1971	Dec 1976	13.55

30-025-39109	COG OPERATING LLC	GC FEDERAL	13	LEA	S:19, T:17S, R:32E	6,922	O	Active Permit	Mar 2009	Jan 2011	14.16
30-025-08032		MCA UNIT BATTERY 1	259	LEA	S:19, T:17S, R:32E		O	Pumping	Jun 1970	May 1973	14.35
30-025-23825		MCA UNIT BATTERY 1	298	LEA	S:19, T:17S, R:32E	4,082	PI	Injection Well	Jul 1971	Dec 1976	14.39
30-025-23739		MCA UNIT BATTERY 1	279	LEA	S:19, T:17S, R:32E	4,050	O	Pumping	Apr 1971	Dec 1976	14.45
30-025-38724	COG OPERATING LLC	BC FEDERAL	16	LEA	S:19, T:17S, R:32E	7,200	PO	Active Permit	Jul 2008	Jan 2011	15.10
30-025-08030	CONTINENTAL OIL CO	MCA UNIT BATTERY 1	021	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1971	Dec 1971	15.35
30-025-00000	BUFFALO OIL COMPANY	MITCHELL B	020	LEA	S:19, T:17S, R:32E		O	Active	Jan 1952	Nov 1958	15.67
30-025-23836		MCA UNIT BATTERY 1	291	LEA	S:19, T:17S, R:32E	4,070	PI	Injection Well	Aug 1971	Dec 1975	15.68
30-025-00000	BUFFALO	MITCHELL B	019	LEA	S:19, T:17S, R:32E		O	Active	Jan 1953	Dec 1953	16.03
30-025-36999	COG OPERATING LLC	GC FEDERAL	05	LEA	S:19, T:17S, R:32E	7,220	O	Active	Feb 2005	Jan 2011	17.23
30-025-23743		MCA UNIT BATTERY 1	283	LEA	S:19, T:17S, R:32E	4,075	O	Pumping	May 1971	Dec 1976	17.74
30-025-35481	COG OPERATING LLC	BC FEDERAL	4	LEA	S:19, T:17S, R:32E	5,600	O	Pumping	Jan 2005	Jan 2011	17.97
30-025-38743	COG OPERATING LLC	BC FEDERAL	24	LEA	S:19, T:17S, R:32E	6,926	O	Active Permit	Apr 2009	Jan 2011	18.16
30-025-38994	COG OPERATING LLC	GC FEDERAL	11	LEA	S:19, T:17S, R:32E	6,817	O	Active Permit	Feb 2009	Jan 2011	18.58
30-025-08038	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	053	LEA	S:19, T:17S, R:32E		PO	Temporarily Abandoned	Jan 1963	Dec 1971	18.77
30-025-23745		MCA UNIT BATTERY 1	285	LEA	S:19, T:17S, R:32E	4,060	O	Pumping	May 1971	Dec 1976	19.16
30-025-00000	BUFFALO-CONT'D.	MITCHELL A	010	LEA	S:19, T:17S, R:32E		G	Active	Jan 1945	Dec 1962	19.42
30-025-39111	COG OPERATING LLC	GC FEDERAL	15	LEA	S:19, T:17S, R:32E	7,037	O	Active Permit	Sep 2009	Jan 2011	19.52
30-025-00000	BUFFALO OIL CO.	MITCHELL B	017	LEA	S:19, T:17S, R:32E		O	Active	Jan 1945	Dec 1945	19.97
30-025-24214		MCA UNIT BATTERY 1	320	LEA	S:19, T:17S, R:32E	4,050	O	Pumping	Jan 1973	Dec 1976	20.32
30-025-08032	CONOCO, INC.	MCA UNIT	259	LEA	S:19, T:17S, R:32E		O	Pumping	Jan 1973	Dec 1976	20.58
30-025-39419	COG OPERATING LLC	BC FEDERAL	45	LEA	S:19, T:17S, R:32E	7,034	O	Active Permit	Feb 2010	Jan 2011	20.87
30-025-39422	COG OPERATING LLC	GC FEDERAL	49	LEA	S:19, T:17S, R:32E	6,925	O	Active Permit	Jul 2010	Jan 2011	20.90
30-025-08030	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 2	021	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1963	Dec 1969	21.84
30-025-00000	BUFFALO-CONT'D.	MITCHELL B	016	LEA	S:19, T:17S, R:32E		G	Active	Jan 1945	Dec 1962	22.32

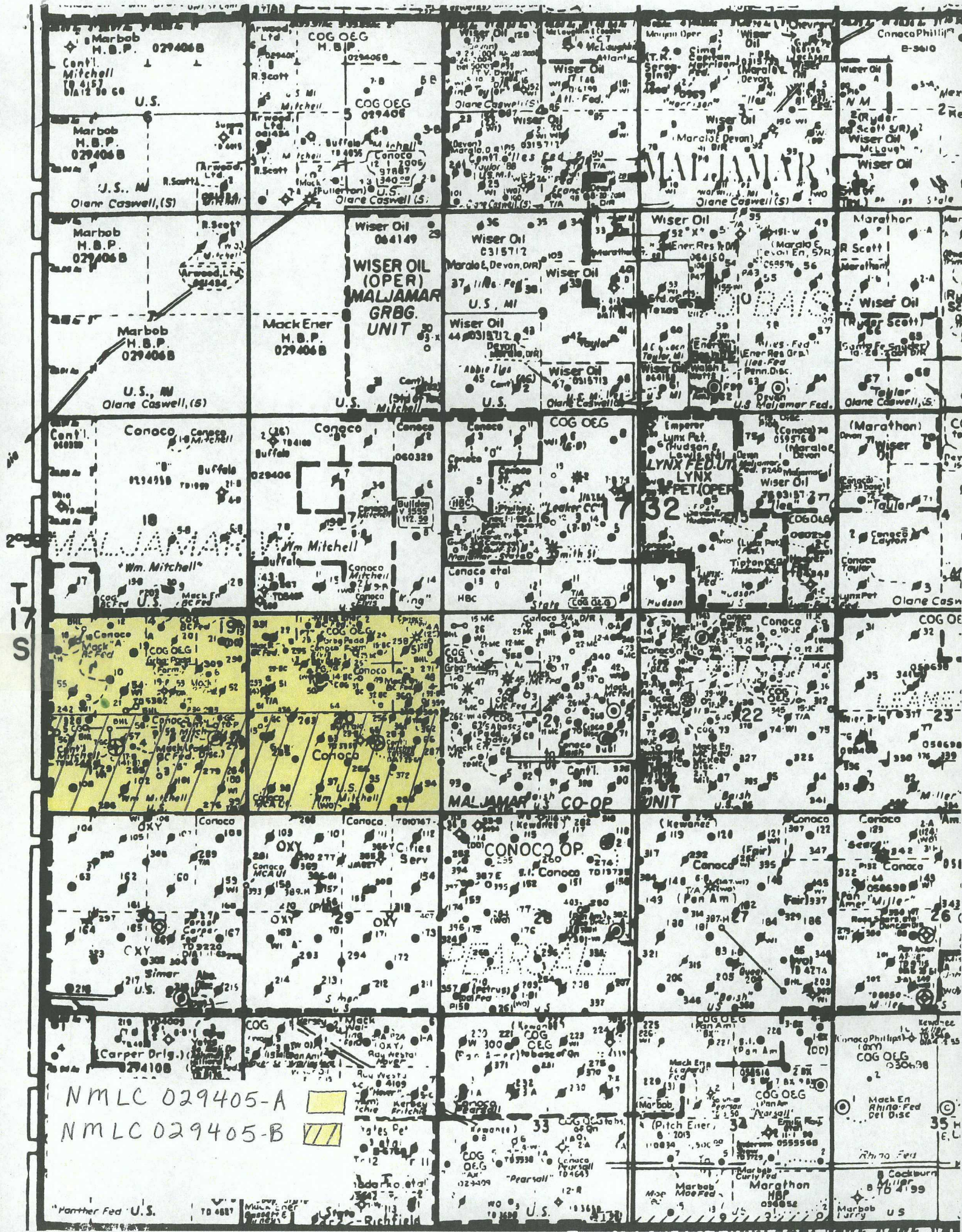
30-025-39110	COG OPERATING LLC	GC FEDERAL	14	LEA	S:19, T:17S, R:32E	7,025	O	Active Permit	Jul 2009	Jan 2011	23.32
30-025-00000	BUFFALO OIL COMPANY	MITCHELL	20P	LEA	S:19, T:17S, R:32E		O	Active	Jan 1951	Dec 1955	23.35
30-025-00000	BUFFALO-CONT'D.	MITCHELL A	012	LEA	S:19, T:17S, R:32E		O	Active	Jan 1945	Dec 1962	24.87
30-025-00000	BUFFALO-CONT'D.	MICHELL B	012	LEA	S:19, T:17S, R:32E		G	Active	Dec 1946	Dec 1962	25.16
30-025-00000	BUFFALO-CONT'D.	MITCHELL A	009	LEA	S:19, T:17S, R:32E		G	Active	Jan 1945	Dec 1962	25.52
30-025-39112	COG OPERATING LLC	GC FEDERAL	16	LEA	S:19, T:17S, R:32E	7,116	O	Active Permit	Dec 2009	Jan 2011	25.71
30-025-00000	BUFFALO OIL CO.	MITCHELL B	014	LEA	S:19, T:17S, R:32E		G	Active	Jan 1945	Dec 1962	26.39
30-025-39420	COG OPERATING LLC	GC FEDERAL	34	LEA	S:19, T:17S, R:32E	6,900	O	Active Permit	Jun 2010	Jan 2011	28.68
30-025-08039	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	054	LEA	S:19, T:17S, R:32E		PI	Temporarily Abandoned	Jan 1963	Jul 1969	29.48
30-025-00000	BUFFALO-CONT'D.	MITCHELL B	013	LEA	S:19, T:17S, R:32E		G	Active	Jan 1945	Dec 1962	29.58
30-025-38737	COG OPERATING LLC	GC FEDERAL	7	LEA	S:19, T:17S, R:32E	7,046	O	Active Permit	Jul 2008	Jan 2011	30.13
30-025-38992	COG OPERATING LLC	BC FEDERAL	36	LEA	S:19, T:17S, R:32E	6,918	O	Active Permit	May 2009	Jan 2011	30.65
30-025-38726	COG OPERATING LLC	BC FEDERAL	21	LEA	S:19, T:17S, R:32E	7,200	PO	Active Permit	Nov 2008	Jan 2011	30.81
30-025-08044	CONOCOPHILLIPS COMPANY	MCA UNIT	057	LEA	S:19, T:17S, R:32E	3,974	PO	Temporarily Abandoned	Jan 1973	Dec 1976	31.32
30-025-39607	COG OPERATING LLC	BC FEDERAL	34	LEA	S:19, T:17S, R:32E	6,945	O	Active Permit	Jul 2010	Jan 2011	35.45
30-025-38725	COG OPERATING LLC	BC FEDERAL	18	LEA	S:19, T:17S, R:32E	7,180	O	Active Permit	Jan 2010	Jan 2011	35.87
30-025-39162	COG OPERATING LLC	GC FEDERAL	19	LEA	S:19, T:17S, R:32E	7,022	O	Active Permit	Feb 2010	Jan 2011	36.87
30-025-38993	COG OPERATING LLC	GC FEDERAL	10	LEA	S:19, T:17S, R:32E	6,805	O	Active Permit	Jan 2009	Jan 2011	36.94
30-025-39290	COG OPERATING LLC	BC FEDERAL	39	LEA	S:19, T:17S, R:32E	6,832	O	Active Permit	May 2010	Jan 2011	37.00
30-025-38741	COG OPERATING LLC	BC FEDERAL	22	LEA	S:19, T:17S, R:32E	7,040	O	Active Permit	Sep 2009	Jan 2011	37.48
30-025-08040	CONOCOPHILLIPS COMPANY	MCA UNIT BATTERY 1	055	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1967	Dec 1976	38.00
30-025-08028	CONOCOPHILLIPS COMPANY	MCA UNIT	019	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1973	Dec 1976	38.06
30-025-39299	COG OPERATING LLC	BC FEDERAL	38	LEA	S:19, T:17S, R:32E	6,818	O	Active Permit	Jul 2010	Jan 2011	38.16
30-025-00000	BUFFALO OIL CO.	MITCHELL B	018	LEA	S:19, T:17S, R:32E		O	Active	Jan 1945	Dec 1945	38.87
30-025-39358	COG OPERATING LLC	BC FEDERAL	37	LEA	S:19, T:17S, R:32E	7,010	O	Active Permit	Apr 2010	Jan 2011	39.03

30-025-08030	CONOCOPHILLIPS COMPANY	MCA UNIT	021	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1973	Dec 1976	43.16
30-025-39113	COG OPERATING LLC	GC FEDERAL	18	LEA	S:19, T:17S, R:32E	7,050	O	Active Permit	Jan 2010	Jan 2011	43.19
30-025-00000	BUFFALO CONT'D.	MITCHELL B	009	LEA	S:19, T:17S, R:32E		G	Active	Jan 1945	Dec 1962	44.32
30-025-00000	BUFFALO-CONT'D.	MITCHELL B	010	LEA	S:19, T:17S, R:32E		G	Active	Jan 1945	Dec 1962	44.32
30-025-00000	BUFFALO-CONT'D.	MITCHELL B	011	LEA	S:19, T:17S, R:32E		G	Active	Jan 1945	Dec 1962	44.32
30-025-00000	BUFFALO OIL CO.	MITCHELL A	016	LEA	S:19, T:17S, R:32E		O	Active	Jan 1946	Dec 1946	47.52
30-025-12764		MCA UNIT BATTERY 1	099	LEA	S:19, T:17S, R:32E		PO	Temporarily Abandoned	Jan 1970	Nov 1973	58.60
30-025-39467	COG OPERATING LLC	BC FEDERAL	49	LEA	S:19, T:17S, R:32E	7,044	O	Active Permit	Jan 2011	Jan 2011	59.94
30-025-08042		MCA UNIT BATTERY 1	059	LEA	S:19, T:17S, R:32E	3,984	I	Injection Well	Jan 1963	Dec 1966	64.61
30-025-08037	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	052	LEA	S:19, T:17S, R:32E	0	I	Pumping	Jan 1963	Jul 1969	68.58
30-025-08044	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	057	LEA	S:19, T:17S, R:32E	3,974	PO	Temporarily Abandoned	Jan 1963	Dec 1971	83.45
30-025-39418	COG OPERATING LLC	BC FEDERAL	44	LEA	S:19, T:17S, R:32E	7,030	O	Active Permit	Nov 2010	Jan 2011	89.58
30-025-39611	COG OPERATING LLC	BC FEDERAL	46	LEA	S:19, T:17S, R:32E	6,910	O	Active Permit	Sep 2010	Jan 2011	96.45
30-025-08043	CONOCO, INC.	MCA UNIT	101	LEA	S:19, T:17S, R:32E		O	Pumping	Jan 1973	Dec 1976	97.32
30-025-39421	COG OPERATING LLC	GC FEDERAL	35	LEA	S:19, T:17S, R:32E	6,920	O	Active Permit	Dec 2010	Jan 2011	141.81
30-025-08047		MCA UNIT BATTERY 1	103	LEA	S:19, T:17S, R:32E	0	O	Pumping	Jan 1967	Dec 1976	149.77
30-025-12770		MCA UNIT BATTERY 1	058	LEA	S:19, T:17S, R:32E		O	Active	Jan 1970	Dec 1971	209.13
30-025-08043	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	101	LEA	S:19, T:17S, R:32E		O	Pumping	Jan 1963	Dec 1971	238.74
30-025-08035	CONTINENTAL OIL COMPANY	MCA UNIT BATTERY 1	060	LEA	S:19, T:17S, R:32E	3,970	O	Shut-in	Jan 1963	Dec 1971	326.13

Producing Wells in Sec 19, T17S, R32E, LEA County



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NMLC 029405-A
NMLC 029405-B



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TO 0887

Mack Enr

Richfield

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