

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator Llano, Inc.			Lease Grama Ridge Morrow Unit		Well No. 4
Unit Letter F	Section 4	Township 22 South	Range 34 East	County Lea	
Actual Footage Location of Well: 2310 feet from the North line and 2310 feet from the West line					
Ground Level Elev. 3630	Producing Formation Morrow		Pool Grama Ridge Morrow (Gas)	Dedicated Acreage: 320 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO X. ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES X NO _____. If answer is "yes," Type of Consolidation Unit Agreement
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B

NM-058678
Llano et al (WI)
US (1/8 Royalty)

2310'

2310'

CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name Al Klaar
Position Mgr. Pet. & N.G. Engr.
Company Llano, Inc.
Date May 2, 1979

I hereby certify that the well location shown on the plat in SECTION B 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 knowledge and belief.

Amended plat submitted due to O.C.D. Order R-5995 contracting pool limits and changing pool rules to 320 acre spacing.

Date Surveyed 11-23-64
Registered Professional Engineer and/or Land Surveyor

T. E. Chapman, Jr.

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT. C.

Form C-102
 Supersedes C-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

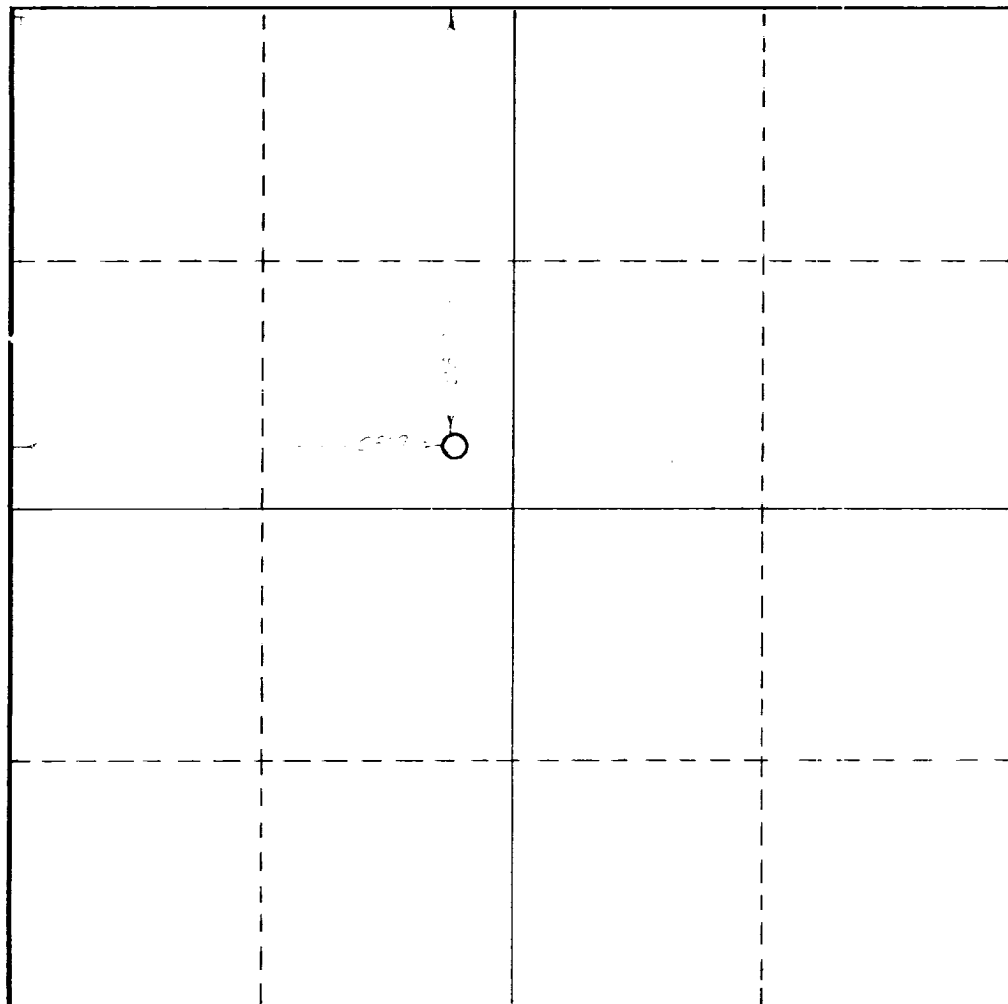
Operator Well Oil Company - Western Division			Lease 38		Well No. 1
Unit Letter F	Section 4	Township 22N	Range 34E	County Lea	
Actual Footage Location of Well: 2310 feet from the North line and 2310 feet from the West line					
Ground Level Elev. 3030'	Producing Formation Pennsylvanian (Horro)		Pool Gran Ridge-Horro Gas		Dedicated Acreage: 0.40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Witnessed By
A. D. HUGHES J. D. Durell
 Position
Chief Exploration Engineer
 Company
Well Oil Company
 Date
December 9, 1965

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 knowledge and belief.

Date Surveyed _____

Registered Professional Engineer
 and/or Land Surveyor

Certificate No. _____

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

WC CDD. TY. LEA. FIELD Wildcat STATE NM

OPR SHELL OIL COMPANY MAP

4-1 "GR" Federal

Sec. 4, T-22-S, R-34-E CO-ORD

2310' fr N & W Lines of Sec.

Spd 12-9-64

Cmp 6-1-65	CLASS			
	FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING 16" 330' 400	LOG:			
10 3/4" 5711' 1000	Yates 3914			
7 5/8" 11895' 500	7-R 4334			
5 1/2" 1nr 11638-14199' 305	Del Mt 5610			
3 1/2" 1nr 13859-14870' 100	B Spg 8343			
	Wolfc 11359			
LOGS EL GR RA IND HC A	Strwn 11722			
	TD 14870', PBD 13500'			

IP Morrow Perfs 12886-13111' CAOF 4900 MCFGPD + 8.1 B Cond.
per MM. Pot. Based on 4-point test. Gravity (Gas) .595,
Gravity (Cond.) 47.

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CONT. McFarland
DATE

PROP DEPTH 14,800' TYPE

F.R. 12-3-64; Oper's Elev. 3643' Df
PD 14,800' - Devonian
Contractor - McFarland

12-14-64 Drlg. 2900'.
12-21-64 Drlg. 4760'.
1-4-65 Drlg. 6790'.
DST 6245-6350' mis-run.
DST 6030-6350', open 2 hrs 5 mins,
rec 2000' DM + 2185' salt wtr,
1 hr ISIP 2653#, FP 661-2080#,
2 hr FSIP 2611#.

1-11-65 Drlg. 8282' 1m & sd.
DST 7184-7273', open 1 hr 37 mins,
rec 270' SGCM + 1890' salt wtr,
1 hr 11 min ISIP 3013#, FP 475-1100#,
2 hr FSIP 2927#.

1-18-65 Drlg. 9200'.

18-65 Continued
DST 8830-8981', open 1 hr 40 mins,
Rec 930' gas in DP + 180' GCM,
1 hr ISIP 231#, FP 105-147#,
2 hr FSIP 253#.

1-25-65 Drlg. 10365'.
2-1-65 Drlg. 11285' lm & sh.
2-8-65 TD 11890', running logs.
DST 11265-505', open 1 hr,
GTS 31 mins @ TSTM,
rec 1890' SGCM,
1 hr ISIP 829#, FP 395-572#,
1 hr 30 min FSIP 1007#.
DST 11505-630', open 2 hrs 20 mins,
GTS 9 mins @ 275 MCFGPD decreasing to TSTM,
rec 773' GCM,

2-15-65 2 hr ISIP 4670#, FP 210-231#,
3 hr FSIP 4051#.
Drlg. 11965'.
DST 11744-894', open 1 hr 45 mins,
rec 2500' gas in DP + 180' SGCM,
1 hr 45 min ISIP 691#, FP 197-197#,
3 hr FSIP 217#.

2-23-65 Drlg. 12445'.
DST 11895-12287', open 1 hr 36 mins,
GTS 2 hrs 30 mins @ TSTM,
rec 954' GCM,
1 hr ISIP 1605#, FP 632-632#,
2 hr FSIP 738#.

3-1-65 Drlg. 12672' lm & sd.
3-8-65 Drlg. 12963'.

3-15-65 Drlg. 13139'.
DST 12681-13027', open 5 hrs 55 mins,
GTS 2 hrs 3 mins @ 4900 MCFGPD thru
48/64" chk., SFP 950#; Flwd 4580 MCFGPD
thru 16/64" chk., SFP 2175#,
2 hr 5 min ISIP 7597#, FP 1703-2792#,
1 hr 20 min FSIP 7597#.

3-22-65 Drlg. 13680' lm & sh.
DST 13051-180', open 5 hrs 30 mins,
GTS 1 hr @ 3500 MCFGPD decreasing to
1500 MCFGPD,
rec 1 gal cond. + 1116' HGCM,
2 hr 4 min ISIP 7530#, FP 1529-913#,
2 hr FSIP 7498#.

3-29-65 Drlg. 13974'.
4-5-65 TD 14199' lm., WOC.

4-12-65 Drlg. 14497'
DST 14240-461', open 1 hr 10 mins,
leak in DP,
Rec 6696' gas in DP + 7533' HGCM,
1 hr ISIP 5926#, FP 1645-1800#,
1 hr 30 min FSIP 5727#.

4-19-65 TD 14870', on DST.
DST 14430-669', open 2 hrs 40 mins,
GTS 34 mins, Flwd to pits for 25 mins
@ 100 MCFGPD thru 3/4" chk.,
rec 5300' HGCM (Leak in DP)
1 hr 15 min ISIP 5762#, FP 639-1555#,
3 hr FSIP 5671#.

4-26-65 TD 14870', PBD 14836', prep to perf.
DST 14668-870', open 1 hr 50 mins,
rec 3800' SGCM + 9300' sul wtr,
1 hr 30 min ISIP 6280#, FP 2685-4955#,
2 hr FSIP 6039#.

5-3-65

TD 14870', PBD 13500', tstg.
Perf 14424-429', 14440-460', 14466-474',
14479-492', 14508-520, 14526-531',
14534-540', 14544-550', 14562-570' W/2 SPF
Ac. 4000 gals.

Swbd load

Swbd 270 BFW in 16 hrs.

Set CIBP @ 13500'

Perf 12886-892', 12894-903', 13093-111'
W/2 SPF

Flwd 3 B Cond. + 7 BW in 9½ hrs thru 1"
chk., gas volume 1800 MCFGPD, TP 275#.

Ac. 1500 gals. 12886-13111'

Flwd 12 B Cond. + 14 BAW in 14 hrs thru 1"
chk., gas volume 3300 MCFGPD, TP 275#.

5-10-65

TD 14870', PBD 13500', tstg.

Re-Ac. 3000 gals. 12886-13111'

Flwd 1½ BFPH (40% AW), gas volume 2300 MCFGPD.

Re-Perf 12886-892', 12894-903', 13093-111'

W/4 SPF

Flwd 26 BO + 8 BAW in 20 hrs thru 1" chk.,
gas volume 2800 MCFGPD, TP 275#.

Re-Ac. 8000 gals. 12886-13111'

Flwd 14 BO + 14 BAW in 12 hrs thru 24/64"
chk., gas volume 1500 MCFGPD.

5-17-65

TD 14870', PBD 13500', tstg.

Flwd 13 BO + 2 BAW in 7 hrs thru 48/64" chk.,
TP 450#, gas volume 4400 MCFGPD.

LEA Wildcat NM Sec. 4-22S-34E
SHELL OIL CO., #4-1 "GR" Federal Page #5

5-24-65 TD 14870', PBD 13500', WO Potential.
6-1-65 TD 14870', PBD 13500', WO Potential.
6-7-65 TD 14870', PBD 13500', COMPLETED.

FOUR-POINT TEST:

<u>Gas Volume</u>	<u>Time</u>	<u>Choke</u>	<u>TP</u>	<u>BHP</u>	<u>Bbls Cond.</u>
1268 MCFGPD	3 hrs	6/64"	5517#	7012#	2.1
1700 MCFGPD	2 hrs	7/64"	5319#	6799#	1.25
2109 MCFGPD	3 hrs	8/64"	5045#	6519#	0.84
2467 MCFGPD	3 hrs	9/64"	4724#	6172#	2.90

SAMPLE TOP: Morrow 12786'.

LOG TOPS: Atoka 11993', Morrow 12780',
Mississippian lime 13830', Silurian 14414'.