

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

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

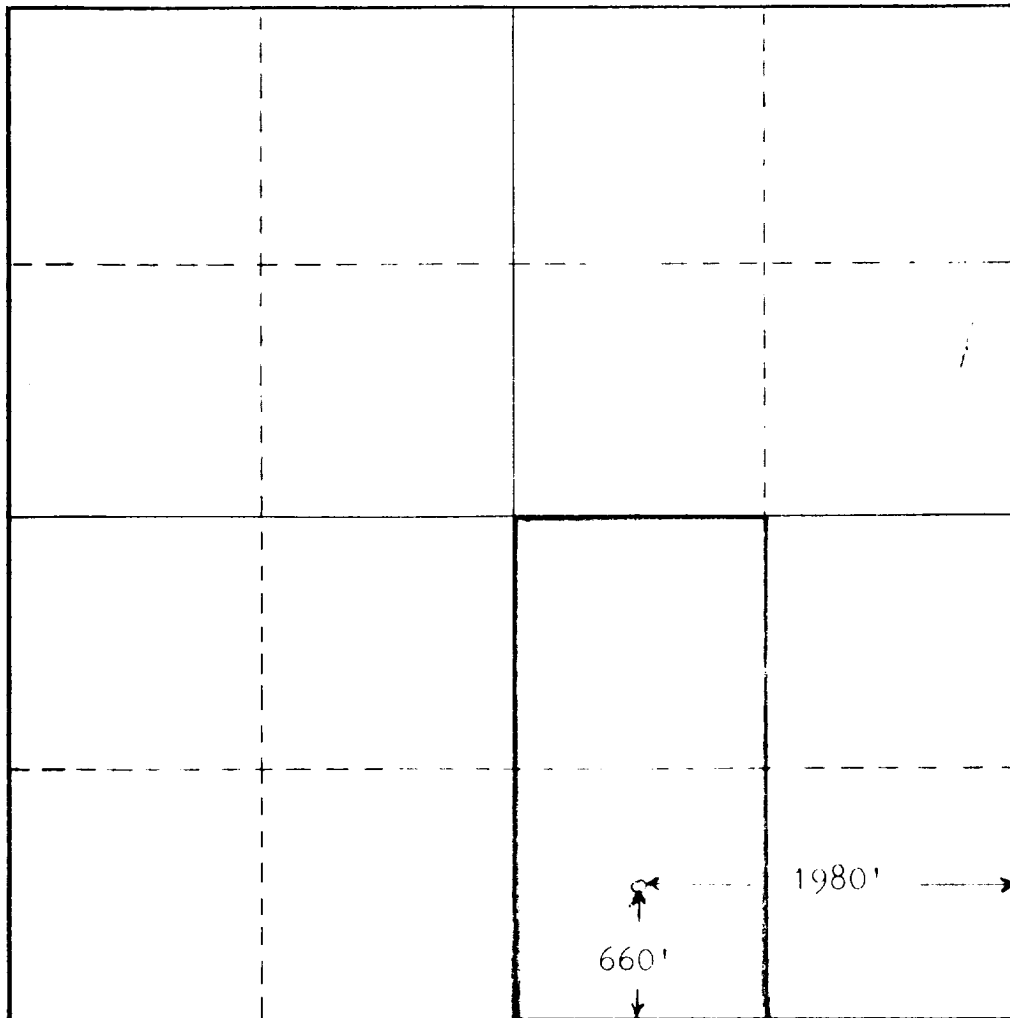
Operator WESTERN OIL PRODUCERS, INC.			Lease Union State		Well No. 2
Unit Letter 0	Section 29	Township 16 South	Range 33 East	County Lea	
Actual Footage Location of Well: 660 feet from the South line and 1980 feet from the East line					
Ground Level Elev. 4222.8	Producing Formation West Kemnitz		Pool lower Wolfcamp		Dedicated Acreage: 80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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

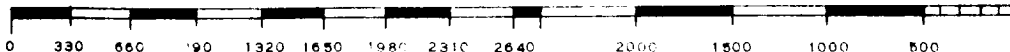
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name *Charles Hewitt*
Position _____
Supt.
Company **WESTERN OIL PROD., INC.**
Date **11-29-77**

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 _____
See Original
Registered Professional Engineer
and/or Land Surveyor

Certificate No. _____



RECEIVED

JUN 10 1977

OIL CONSERVATION COMM.
HOBBS, N. M.

LKE
KDR
AFN
LS
BN
LA
FC

SHOP

WELL FILE

FILE

MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the well

WESTERN OIL PRODUCERS, INC.

Union-State

2

0

29

16 South

33 East

Lea

660

feet from the

south

1980

east

4222.8

Pennsylvanian Marrow

Malheur Penn

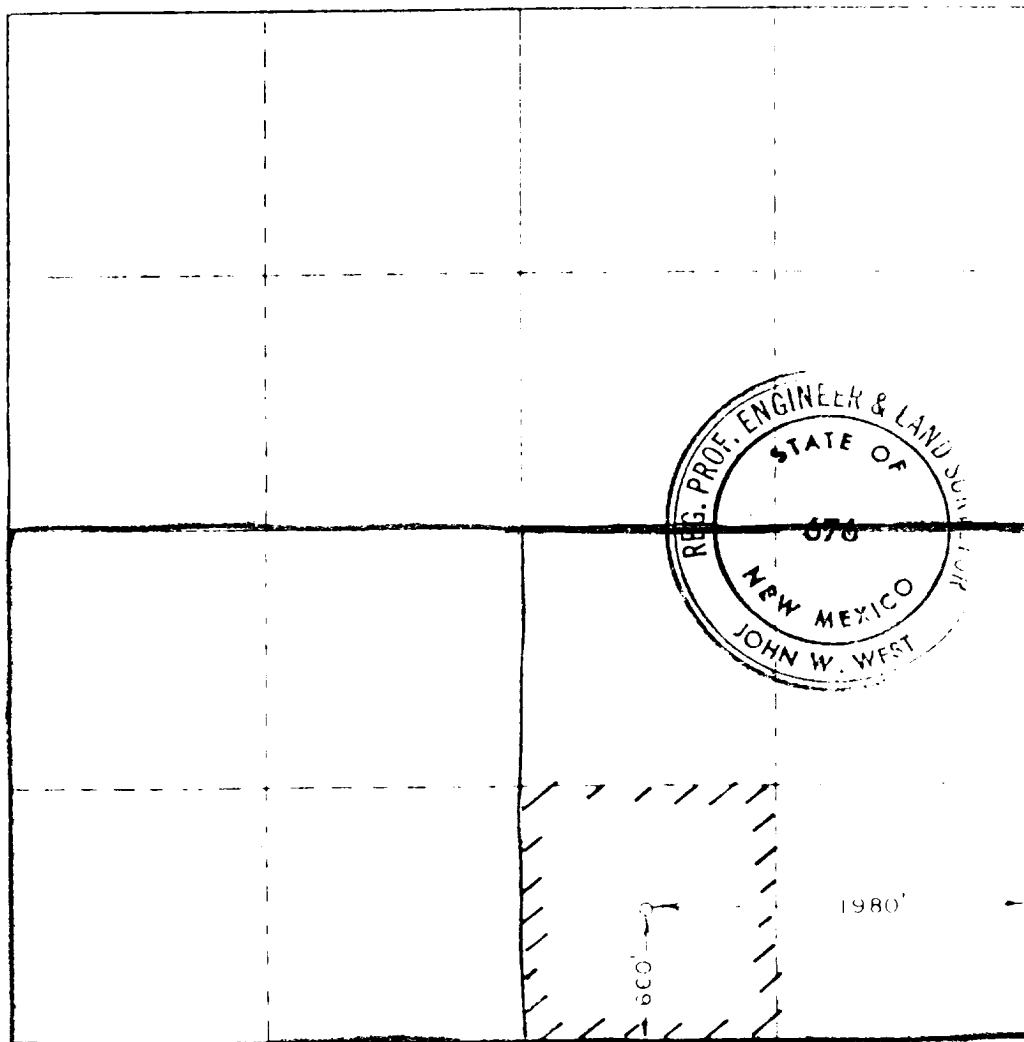
360

- 1 Outline the acreage dedicated to the subject well by colored pencil or black ink on the plat (show interest and royalty).
- 2 If more than one lease is dedicated to the well, outline each and identify the ownership (include 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 (on 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 some interests, has been approved by the Commission.



Agent

John W. West
Western Oil Producers, Inc.

1-6-1977

I hereby certify that the well location shown on this plat was plotted from field notes of a topographic survey made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Jan. 6, 1977

John W. West
676

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APR 11 1977

U.S. DEPARTMENT OF COMMERCE
WASHINGTON, D.C.

WRS COMPLETION REPORT

REISSUES SEC 29 TWP 16S RGE 33E
PI# 30-T-0004 04/27/87 30-025-25432-0000 PAGE 1

NMEX LEA * 660FSL 1980FEL SEC SW SE
STATE COUNTY FOOTAGE SPOT
WESTERN OIL PRODUCERS D WPD
OPERATOR WELL CLASS NIT FIN
2 UNION-STATE
WELL NO. LEASE NAME
4236KB 4222GR KEMNTIZ W
OPER ELEV FIELD POOL AREA
API 30-025-25432-0000

LEASE TYPE NO. PERMIT OR WELL I.D. NO.
01/14/1977 08/27/1977 ROTARY 10&1G
SPUD DATE COMP. DATE TYPE TOOL STATUS
13800 WLFCMP L MORANCO
PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 13751 LTD 13679 FM/TD MSSP
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORV T.D.

LOCATION DESCRIPTION

4 1/2 MI NE MALJAMAR, NM

WELL IDENTIFICATION/CHANGES

FINAL CLASS CHGD FROM DO

CASING/LINER DATA

CSG 13 3/8 @ 985 W/ 600 SACKS
CSG 9 5/8 @ 4390 W/ 250 SACKS
CSG 5 1/2 @ 13751 W/ 1425 SACKS

TUBING DATA

TBG 2 3/8 AT 10529 2 3/8 AT 13515

INITIAL POTENTIAL

IPP 133BOPD 24HRS
WLFCMP L PERF W/ 1/FT 10702-10777 GROSS
PERF 10702-10706 10740-10743 10749-10760 10772-10777
ACID 10702-10777 10000GALS
15% NEFE HCL
GOR 1954 GTY (NR)

FIELD /RESERVOIR
KEMNITZ WEST WOLFCAMP L
PPD 133 BO + MCFG (NR) IN 24 HRS

IPF 235BCPD 1800 MCFD 12/64CK 24HRS

CONTINUED IC# 300257000877

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Petroleum Information

BB a company of
The Dun & Bradstreet Corporation

PI-WRS-GET
Form No 187

REISSUES SEC 29 TWP 16S RGE 33E
PI# 30-T-0004 04/27/87 30-025-25432-0000 PAGE 2

WESTERN OIL PRODUCERS D WPD
2 UNION-STATE

INITIAL POTENTIAL

MORROW PERF W/ 2/FT 13652-13662
TP 3300
GTY 60.0 GOR 36724 GTY (GAS) (NR)
P/L CON NATURAL GAS PIPELINE OF AMERICA
FIELD /RESERVOIR
MALJAMAR MORROW
POT BASED ON 5 HR TEST, FLWD @ 1800 MCFG + 49 BC IN
24 HRS

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	RUSTLER		1440 2796	
LOG	SALT		1550 2686	
LOG	YATES		2595 1641	
LOG	QUEEN		3620 616	
LOG	GRAYBURG		4235 1	
LOG	SN ANDRS		4415 -179	
LOG	GLORIETA		5870 -1634	
LOG	TUBB		7145 -2909	
LOG	ABO		7872 -3636	
LOG	WOLFCAMP		9645 -5409	
LOG	PNNSYLVN	11460	-7224	
LOG	ATOKA	12350	-8114	
LOG	MSSP	13698	-9462	

FORMATION TEST DATA

DST 1 10710-10850 WOLFCAMP S
GAS TS IN 1H10M
REC 1200.0 FT HGCM .0 TR OIL
REC 1400.0 CC OIL
INIT OP 30M IFP 87 FFP 283
FINAL OP 2H IFP 283 FFP 392 BHT 134F
ISIP 1676 1H30M FSIP 2440 5H IHP 5031 FHP 4955
SPL CHAM PRESS FINAL 240
SPL REC 1.15 CFT GAS

DST 2 11480-11580 PNNSYLVN S
GAS TS IN 51M
REC 590.0 FT HO&GCM 1.0 CFT GAS
REC 900.0 CC OIL 900.0 CC GCM
INIT OP 30M IFP 152 FFP 217

CONTINUED

REISSUES SEC 29 TWP 16S RGE 33E
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WESTERN OIL PRODUCERS
2 UNION-STATE

D WPD

FORMATION TEST DATA

FINAL OP 2H IFP 174 FFP 239 BHT 150F
ISIP 1019 2H FSIP 868 4H IHP 5485 FHP 5400
SPL CHAM PRESS FINAL 175

DST 3 12020-12065 PNNSYLVN S
REC 135.0 FT GCM .0 TR OIL
REC .0 TR WTR
INIT OP 30M IFP 46 FFP 69
FINAL OP 1H IFP 92 FFP 92
ISIP 3347 2H FSIP 2479 3H IHP 5943
SPL CHAM PRESS FINAL 50
SPL REC .175 CFT GAS
FHP NOT RPTD

DST 4 12981-13013 PNNSYLVN
REC 50.0 FT MUD 500.0 FT FWTR
REC 2000.0 CC WTR
INIT OP 30M IFP 44 FFP 110
FINAL OP 1H IFP 176 FFP 264 BHT 160F
ISIP 6025 1H30M FSIP 6025 3H IHP 6604 FHP 6604
SPL CHAM PRESS FINAL 250

DST 5 13030-13055 PNNSYLVN S
GAS TS IN 1H50M @ TSTM
REC 9765.0 FT SWTR
INIT OP 30M IFP 831 FFP 2251
FINAL OP 1H30M IFP 2365 FFP 4305 BHT 166F
ISIP 5738 1H30M FSIP 5443 3H FHP 6691
IHP NOT RPTD

DST 6 13638-13727 MORROW S
OVERLAPS MSSP
GAS TS IN 11M
REC 15.9 CFT GAS 300.0 CC COND
INIT OP 30M IFP 1914 FFP 2694
FINAL OP 2H IFP 1859 FFP 3947
ISIP 7042 1H30M FSIP 6651 5H FHP 7180
SPL CHAM PRESS FINAL 2800
IHP NOT RPTD

CONTINUED

REISSUES
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WESTERN OIL PRODUCERS
2 UNION-STATE D WPD

PRODUCTION TEST DATA

MORROW PERF W/ 2/FT 13652-13662
PERF 13652-13662
SWBD DOWN

PTF 200 MCFD 48/64CK 24HRS
MORROW PERF W/ 2/FT 13652-13662

PTF 2500 MCFD 23/64CK 24HRS
MORROW PERF W/ 2/FT 13652-13662
ACID 13652-13662 500GALS
TP 925

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS DENL NEUT DILL

DRILLING PROGRESS DETAILS

WESTERN OIL PRODUCERS
BOX 2055
RCSWELL, NM 88201
505-623-3131
PROJ FM - WOLFCAMP L & MORROW
FIELD - KEMNITZ WEST & MALJAMAR
04/20 LCC/1987/
01/18 DRLG 3815 (LM)
01/26 DRLG 6200 (LM, SH)
02/01 DRLG 8560
02/08 10850 TD, CIRC
02/15 DRLG 11700
02/22 DRLG 12480
03/01 DRLG 13055
03/08 DRLG 13480
03/15 13751 TD, WOC
03/22 13751 TD, PREP PERF
03/29 13751 TD, TSTG
04/05 13751 TD, TSTG
04/12 13751 TD, WOPT (MORROW), TSTG (WOLFCAMP L)
10/18 13751 TD, WOPT (MORROW), WOPT (WOLFCAMP L)
04/20 13751 TD, PB 13679
COMP 8/27/77, IPP 133 BO, MCFGPD (NR), GOR

CONTINUED

REISSUES
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WESTERN OIL PRODUCERS D WPD
2 UNION-STATE

DRILLING PROGRESS DETAILS

1954, GTY (NR)
PROD ZONE - WOLFCAMP L 10702-10777
COMP 4/12/77, IPF 235 BC, 1800 MCFGPD,
12/64 CK, GOR 36724, GTY
60, GTY (GAS) (NR), FTP 3300
PROD ZONE - MORROW 13652-13662
(DUAL PRODUCER)
NO CORES, SIX DSTS RPTD
04/20 MORROW DISCOVERY - DEEPER POOL
MORROW GAS DISCOVERY IN THE MALJAMAR FIELD
REISSUED TO CORRECT PERFS, WOLFCAMP L IP
DATE & ADD MORROW ZONE IP, MORROW DISC
STMT
REPLACEMENT FOR CT ISSUED 12/10/77

CSG.

[illegible]

CONTR Moranco

OPRS ELEV 4222' GL, 4236' KB PD 13,800' RT

F.R. 1-10-77
(Pennsylvanian)
12-10-77 AMEND FIELD NAME & PD: Formerly reported as
Maljamar and 11,900' RT
1-18-77 Drlg 3815' lm
1-26-77 Drlg 6200' lm & sh
2-1-77 Drlg 8560'
2-8-77 TD 10,850'; Circ
2-15-77 Drlg 11,700'
DST (WFMP) 10,710-850', open 2 hrs, 30 mins,
GTS in 1 hr 10 mins, rec 1200' HGCM w/trace of
oil (Sampler rec 1.15 CFG + 1400 cc's oil @
240#), 1 hr 30 min ISIP 1676#, FP 283-382#,
5 hr FSIP 2440#, HP 5031-4953#, BHT 134 deg
DST (PSLV) 11,480-580', open 2 hrs 30 mins,
GTS in 51 mins, no est, rec 590' HO&GCM, (Sampler
rec 1.0 CFG + 900 cc's oil + 900 cc's mud @
175#), 2 hr ISIP 1019#, FP 174-239#, 4 hr FSIP
868#, HP 5485-5400#, BHT 150 deg 12-2-6 NM

LEA
WESTERN OIL PRODUCERS, INC. 2 Union-State
Sec 29, T16S, R33E

NM
Page #2

2-22-77 Drlg 12,480'
DST (PSLV) 12,020-065', open 1 hr 30 mins.
rec 135' GCDF w/trace of oil (Sampler rec
1.175 CFG w/trace wtr @ 50#), 2 hr ISIP
3347#, FP 92-92#, 3 hr FSIP 2479#

3-1-77 Drlg 13,055'
DST (PSLV) 12,981-13,013', open 1 hr 30 mins.
rec 50' DM + 500' wtr (Sampler rec 1300 cc's
SW @ 250#), 90 min ISIP 6025#, FP 176-164#,
3 hr FSIP 6025#, HP 6604-6604#, BAT 10-10

3-8-77 Drlg 13,480'
DST (PSLV) 13,030-055', open 2 hrs, GTS in
1 hr 50 mins @ TSTM, rec 9765' 12-2-5 NM

3-8-77 SW (Sampler rec 2300 cc's SW @ 100#), 90 min
ISIP 5738#, FP 2365-4305#, 3 hr ISIP 4448#
HP 6691-6691#

3-15-77 TD 13,751'; WOC
DST (MSSP) 13,638-727', open 2 hrs 30 mins,
GTS in 11 mins, rec 1200' Cond (Sampler rec
15.9 CFG + 300 cc's Cond @ 2800#), 1 hr
30 min ISIP 7042#, FP 1859-3947#, 5 hr FSIP
6651#, HP 7235-7180#

3-22-77 TD 13,751'; Prep Perf

3-29-77 TD 13,751'; Tstg
Perf (MSSP) 13,652-662' w/2 SPF
Swbd down
Flwd @ 200 MCFGPD thru 3/4" chk (13,652-662')
Acid (13,652-662') 500 gals
Flwd @ 2500 MCFGPD thru 23/64" chk, TP 925#
(13,652-662') 12-2-5 NM

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WESTERN OIL PRODUCERS, INC. 2 Union-State
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NM
Page #3

4-5-77 TD 13,751'; Tstg
4-12-77 TD 13,751'; WOSP
Flwd 49 BO + Gas @ 1800 MCFGPD thru 12/'64"
chk, 24 hrs, GOR 36,727', TP 3300#, gty
60; SITP 4550#
Mississippian Zone Depleted
BP @ 10,841'
Perf (WF MPL) 10,702-706', 10,740-743',
10,749-760', 10,772-777' w/1 SPF
Acid (10,702-777') 10,000 gals
10-18-77 TD 13,751'; PBD 10,841'; Tstg
12-5-77 TD 13,751'; PBD 10,841'; Complete
12-2-6 NM

12-5-77 Continued
LOG TOPS: Rustler 1440', Salt 1550', Yates
2595', Queen 3620', Grayburg 4235', San Andres
4415', Glorieta 5870', Tubb 7145', Abo 7872',
Wolfcamp 9645', Pennsylvanian 11,460', Atoka
12,350', Mississippian 13,698'
12-10-77 COMPLETION ISSUED

12-2-6 NM
IC 30-025-70008-77

Non-Standard Loc. for
H. Semnitz Lower shelf.
