

N MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 102
Supersedes C-128
Effective 1-4-85

All distances must be from the outer boundaries of the Section

Operator Manzano Oil Corporation			Lease Fed. 31G		Well No. 1
Unit Letter H	Section 31	Township 19 south	Range 33 east	County Lea	
Actual Footage Location of Well: 1980 feet from the north line and 660 feet from the east line					
Ground Level Elev. 3574.38	Producing Formation Bone Spring		Pool Undesignated Bone Spring		Dedicated Acreage: 40 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 _____

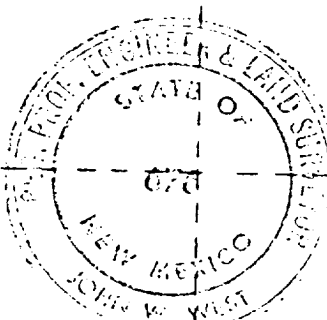
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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.

Resubmitted March 16, 1987
by Manzano Oil Corporation
for completion of reentry of
the above referenced well.

MANZANO OIL CORPORATION

by Jackie Midkiff
Asst. Sec.



CERTIFICATION

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

Arthur R. Brown
Name
Arthur R. Brown

Position
AGENT FOR

Company
UNION OIL CO. OF CALIFORNIA

Date
SEPTEMBER 25, 1980

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

9-20-80

Registered Professional Engineer
and/or Land Surveyor

John W. West
Certificate No. **JOHN W. WEST**
PATRICK A. ROMER
Ronald J. Eidson

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

RECEIVED
MAR 18 1987
OCCO
HCRBS OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-12
Effective 1-1-65

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

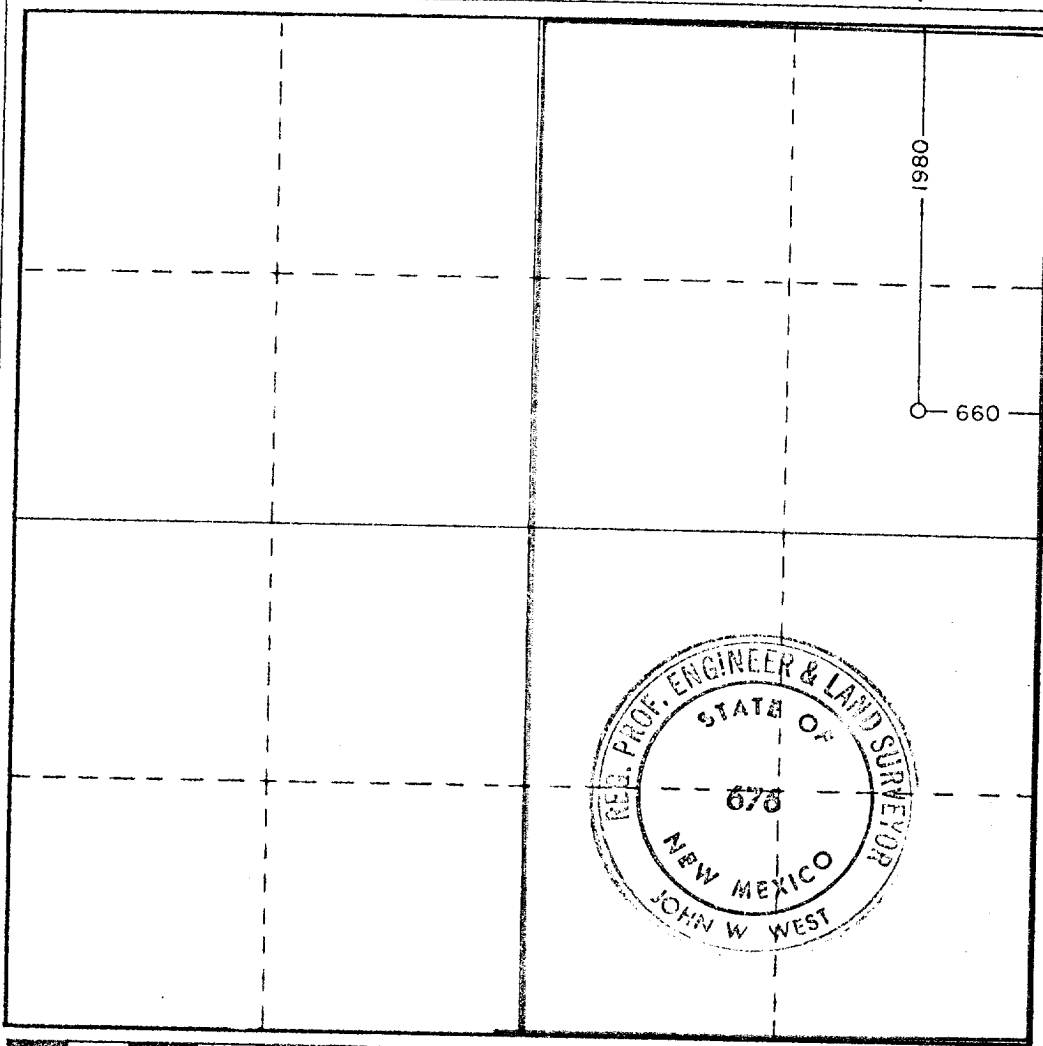
Operator Union Oil Co. of Calif.		Lease Fed. 31G		Well No. 1
Unit Letter H	Section 31	Township 19 south	Range 33 east	County Lea
Actual Footage Location of Well: 1980 feet from the north line and 660 feet from the east line				
Ground Level Elev. 3574.38	Producing Formation MORROW	Pool UNGESIGNATED GEM MORROW GAS	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
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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 *Arthur R. Brown*
Arthur R. Brown

Position
AGENT FOR

Company
UNION OIL CO. OF CALIFORNIA

Date
SEPTEMBER 25, 1980

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

9-20-80

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6
Ronald J. Eidson 3

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

WRS COMPLETION REPORTREISSUES SEC 31 TWP 19S RGE 33E
PI# 30-T-0007 06/22/87 30-025-27131-0001 PAGE 1

NMEX LEA * 1980FNL 660FEL SEC SE NE
STATE COUNTY FOOTAGE SPOT
MANZANO OIL WFX WFD
OPERATOR WELL CLASS INIT FIN
1 FEDERAL "31-G"
WELL NO. LEASE NAME
3576GR GEM
OPER ELEV FIELD/POOL/AREA
API 30-025-27131-0001
LEASE TYPE/NO. PERMIT OR WELL I.D. NO.
01/15/1987 03/15/1987 ROTARY OIL-WO
SPUD DATE COMP. DATE TYPE TOOL STATUS
11450 BONE SPG NOT RPTD
PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 13653 PB 11564 OTD 13653 FM/TD MORROW
DRILLERS T.D. LOG T.D. PLUG BACK TO OLD T.D. FORM T.D.

LOCATION DESCRIPTION

5 MI NE HALFWAY, NM

WELL IDENTIFICATION/CHANGES

FIELD CHGD FROM WILDCAT
FIELD CHGD FROM UNNAMED
PROJ FM CHGD FROM WOLFCAMP

CASING/LINER DATA

CSG 5 1/2 @ 4508 W/ 1885 SACKS
PULLED 4489 FT OF ORIGINAL 5 1/2 CSG & RERAN

INITIAL POTENTIAL

IPF 15BOPD 12 MCFD 24/64CK 24HRS
BONE SPG PERF W/ 40/IT 10500-10540
PERF 10500-10540
ACID 10500-10540 1500GALS
20% NEFE
SWFR 10500-10540 30000GALS 650000LBS SAND ADDTVGELA
40# 70 TONS CO2
20/40
TP 320
GTY 38.5 GOR 800
FCP PKR

CONTINUED IC# 300257000487

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Petroleum Information

PI-WRS-GET
Form No 187

DB a company of
The Dun & Bradstreet Corporation

REISSUES SEC 31 TWP 19S RGE 33E
PI# 30-T-0007 06/22/87 30-025-27131-0001 PAGE 2

MANZANO OIL WFX WFD
1 FEDERAL "31-G"

PRODUCTION TEST DATA

WOLFCAMP PERF W/ 17/IT 11434-11450
PERF 11434-11540
ACID 11434-11450 2500GALS
20% NEFE
RBP 11434-11450 DEPTH 10639

DRILLING PROGRESS DETAILS

MANZANO OIL
BOX 571
ROSWELL, NM 88201
505-623-6862
OWWO: OLD INFO: FORMERLY UNION OIL OF CALIF
#1 FEDERAL "31-G". ELEV 3576 GR, 3599 KB. SPUD
12/26/80. 13 3/8 @ 1350 W/1100 SX, 9 5/8 @ 5250
W/2600 SX, 5 1/2 @ 13653 W/1760 SX. LOG TOPS:
MORROW 12973, MORROW MIDDLE 13213, MORROW LOWER
13500. OTD 13653. PB 13600. COMP 4/8/81.
IPCAOF 13879 MCFGPD. PROD ZONE: MORROW
13373-13403. PLUGGED PRODUCER 3/31/83.
01/05 LOC/1987/
03/23 DOC TO 11564
REPLACED OLD CSG
03/23 13653 TD, PB 11564
COMP 3/15/87, IPF 15 BO, 12 MCFG, 24/64 CK
GOR 800, GTY 38.5, FTP 320,
FCP PKR
03/23 PROD ZONE - BONE SPRING 10500-10540
BONE SPRING DISCOVERY - NEW FIELD
FIELD DESIGNATED GEM
04/14 REISSUED TO CORRECT IP & ADD PROD TEST &
IP TRMT
REPLACEMENT FOR CT ISSUED 3/30/87
06/15 REISSUED TO CORRECT FIELD, PROJ FM, DISC
STMT
REPLACEMENT FOR CT ISSUED 4/20/87

COUNTY **LEA** FIELD **GEM** STATE **NM**
OPR **UNION OIL CO. OF CALIFORNIA** API **30-025-27131**
NO **1** LEASE **Federal "31-G"** MAP
Sec **31, T19S, R33E** CO-ORD
1980 FNL, 660 FEL of Sec **5-2-13 NM**
17 mi SW/Buckeye SPD **12-26-80** CMP **4-8-81**

CSC	WELL CLASS: INIT D FIN DG LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
13 3/8-1350-1100 sx				
9 5/8-5250-2600 sx				
5 1/2-13,653-1760 sx				
2 3/8-13,305				
	TD 13,653 (MRRW)	PBD	13,600	

IP (Morrow) Perfs 13,373-403 CAOF 13,879 MCFGPD. GOR 23,558;
gty (Gas) . 668; (Cond) 48.5; SIWHP 4330; SIBHP (NR)

CONTR **McVay #9** OPRS ELEV **3576 GL, 3599 KB PD 13,800 RT**

F.R. 11-10-80
(Morrow)
1-6-81 Drlg 4300
1-20-81 Drlg 8751
2-3-81 Drlg 11,431
Mud wt 9.7, vis 28
DST (Bone Spring) 10,525-759, op 35 mins, GTS in
23 mins w/4 FT flare, rec 5390 FT FLUD (Sampler
rec 2200 CC FLUD), 1 hr ISIP 4893, FF 153-175,
FSIP (NR), HP 5002-5002
DST (Bone Spring) 10,510-765, op 1 hr 15 mins, GTS
in 23 mins w/4 FT flare @ 37 MCFGPD, rec 518 FT
FLUD (1.25 BO + 2.60 BDF) (Sampler rec .68 CFT
GAS + 700 CC OIL @ 150), 1 hr ISIP 4871, FF 44-154,
4 hr FSIP 5024, HP 5134-5134
2-10-81 Drlg 12,492 sh & 1m
Mud wt 9.8, vis 35
2-24-81 TD 13,575; Trip

5-2-13 NM

LEA
UNION OIL OF
CALIFORNIA

GEM
1 Federal "31-G"
Sec 31, T19S, R33E

NM
Page #2

2-24-81 Continued
Mud wt 10.2, vis 33
Cored (Morrow) 13,246-276, rec 30 FT, no descr
Cored (Morrow) 13,392-436, rec 43 FT, no descr
3-3-81 TD 13,653; WOCU
3-26-81 TD 13,653, MICU
3-31-81 TD 13,653; PBD 13,600; Prep Perf
4-8-81 TD 13,653; PBD 13,600; Tstg
Perf (Morrow) 13,373-403 (overall)
Natural
4-13-81 TD 13,653, PBD 13,600; WOSP
5-4-81 TD 13,653; PBD 13,600; Complete

5-2-13 NM

5-4-81 Continued
(Morrow) FOUR POINT GAUGES:
Flwd 1140 MCFGPD, chk (NR), 42 mins, TP 4110
Flwd 1994 MCFGPD, chk (NR), 102 mins, TP 3960
Flwd 2991 MCFGPD, chk (NR), 102 mins, TP 3810
Flwd 4307 MCFGPD, chk (NR), 120 mins, TP 3510
LOG TOPS: Bone Spring 7903, 3rd Bone Spring
10,933, Cisco 11,810, Canyon 12,029, Strawn
12,141, Atoka 12,481, Morrow 12,973, Middle
Morrow 13,212, Lower Morrow 13,500
LOGS RUN: DILL, MICL, SONL, FOCL, CNL, FDC
BHT 177 deg @ 13,373, 210 deg @ 13,544, 179
deg @ 13,641
5-9-81 COMPLETION ISSUED
5-16-81 RE-ISSUE TO ADD LOG TOPS

5-2-13 NM