

|   |                             |       |                         |          |                       |
|---|-----------------------------|-------|-------------------------|----------|-----------------------|
| COUNTY  | LEA                         | FIELD | Wildcat                 | STATE NM | 30-025-23475          |
| OPR   | UNION OIL CO. OF CALIFORNIA |       |                         | MAP      |                       |
|   | 1 Pipeline - Federal        |       |                         |          |                       |
|   | Sec 4, T-19-S, R-34-E       |       |                         | CO-ORD   |                       |
|   | 660' FSL, 760' FWL of Sec   |       |                         |          |                       |
|   | Spd 4-3-70                  |       | CLASS                   |          | EL 3881' <del>2</del> |
|   | Cmp 8-6-70                  |       | FORMATION               | DATUM    | FORMATION DATUM       |
| CSG & SX - TUBING   |                             |       |                         |          |                       |
| 13 3/8" at 420' w/460 sx                                    |                             |       |                         |          |                       |
| 9 5/8" at 5451' w/600 sx                                    |                             |       |                         |          |                       |
| 5 1/2" at 14,585' w/1350 sx.                                |                             |       |                         |          |                       |
|   |                             |       |                         |          |                       |
|   |                             |       |                         |          |                       |
| LOGS EL GR RA IND HC A                                      |                             |       |                         |          |                       |
|   |                             |       | TD 14,870'; PBD 14,485' |          |                       |
| IP (Morrow) Perfs 14,420-442' CAOF 26,400 MCFGPD. GOR 9080; |                             |       |                         |          |                       |
| Grav (gas) .668 (cond) 53.2; SIWHP 4390#                    |                             |       |                         |          |                       |

Distribution limited and publication prohibited by subscribers' agreement.  
Reproduction rights reserved by Williams & Lee Scouting Service, Inc.

|       |       |            |         |      |
|-------|-------|------------|---------|------|
| CONT. | McVay | PROP DEPTH | 14,500' | TYPE |
| DATE  |       |            |         |      |

F.R. 3-30-70; Opr's Elev. 3862' GL, 3881' KB  
PD 14,500' (Devonian)  
Contractor - McVay

|         |               |
|---------|---------------|
| 4-13-70 | Drlg. 3695'   |
| 4-20-70 | Drlg. 5185'   |
| 4-27-70 | Drlg. 7076'   |
| 5-4-70  | Drlg. 9524'   |
| 5-11-70 | Drlg. 10,313' |

DST 9724-58', open 2 hrs, rec 2000' GIDP +  
350' sli O&GCM + 300' HO&GCM, 1 hr ISIP 3980#,  
FP 270#, 4 hr FSIP 3956#

|         |                       |
|---------|-----------------------|
| 5-18-70 | TD 11,070'; Prep DST  |
| 5-25-70 | Drlg. 11,893' lm & sh |

DST 11,060-070', open 2 hrs, leak in DP,  
rec 2130' DM, 1 hr ISIP 4881#, FP 387-570#,  
4 hr FSIP 4860#

6-1-70 Drlg. 12,510' 1m & sh  
6-8-70 Drlg. 13,280' 1m & sh  
6-15-70 Drlg. 13,495' 1m, sh & sd  
DST 13,351-390', open 1 hr, rec 60' mud,  
1 hr ISIP 2258#, FP 1567-1567#, 2 hr FSIP  
2086#  
6-22-70 Drlg. 13,956' 1m & cht  
6-29-70 Drlg. 14,401' sh  
7-6-70 Drlg. 14,601' 1m & sh  
7-13-70 TD 14,659'; Prep Acid  
Set 5 1/2" at 14,585'  
DST 14,585-659', open 2 hrs 20 min, CTS 55  
min @ TSTM, rec 11,700' CIDP + 240' GCM,  
rev out 2540' oil, 30 min ISIP 5725#, FP  
623-1016#, 4 hr FSIP 5823#

7-20-70 TD 14,659'; SI FBU  
Acid (14,585-659') 1000 gals  
Swbd 54 BO in 5 hrs (14,585-659')  
Acid (14,585-659') 8000 gals  
Swbd 135 EF (80% oil + 20% AW) in 12 hrs  
7-27-70 TD 14,659'; Swbg  
Swbd 52 EF (80% oil + 20% AW) in 11 hrs  
8-3-70 TD 14,659'; Prep Drill  
Swbd 25 BO + 35 BAW in 11 hrs (14,585-659')  
8-10-70 TD 14,870'; FBD 14,485'; SI  
Deepened from 14,659' to 14,870'  
Swbd 69 BW in 1 hr 30 min (14,585-870')  
Sqzd (14,585-870') w/100 sx  
Perf (Morrow) 13,420-442' w/1 SPF  
Flwd 13,000 MCFUFD + wtr in 6 hrs (13,420-442')

COUNTY LEA FIELD Wildcat STATE NM 30-025-23475  
 OPR UNION OIL CO. OF CALIFORNIA MAP  
1 Pipeline - Federal  
Sec 4, T-19-S, R-34-E CO-ORD  
660' FSL, 760' FWL of Sec  
Spd 4-3-70 CLASS EL 3881-E  
Cmp 8-6-70

|                             | FORMATION | DATUM | FORMATION | DATUM |
|-----------------------------|-----------|-------|-----------|-------|
| CSG & SX - TUBING           |           |       |           |       |
| 13 3/8" at 420' w/460 sx    |           |       |           |       |
| 9 5/8" at 5451' w/600 sx    |           |       |           |       |
| 5 1/2" at 14,585' w/1350 sx |           |       |           |       |
|                             |           |       |           |       |
|                             |           |       |           |       |
| LOGS EL GR RA IND HC A      |           |       |           |       |

TD 14,870'; PBD 14,485'

IP (Morrow) Perfs 13,420-442' CAOF 26,400 MCFGPD. GOR 9080;  
 Grav (gas) .668 (cond) 53.2; SIBHP 4390#.

Distribution limited and publication prohibited by subscribers' agreement.  
 Reproduction rights reserved by Williams & Lee Scouting Service, Inc.

CONT. McVay PROP DEPTH 14,500' TYPE RT  
 DATE

F.R. 3-30-70; Opr's Elev. 3862' GL, 3881' KB  
 PD 14,500' (Devonian)  
 Contractor - McVay  
 10-8-70 AMEND PRODUCING INTERVAL ON COMPLETION TICKET  
 ONLY, Formerly reported as Perfs 14,420-442'  
 9-3-70 COMPLETION REPORTED

8-17-70 TD 14,870'; PBD 14,485'; SI PBU  
Flwd 8000 MCFGPD + 106 B cond in 1 hr 30 min  
thru 24/64" chk, TP 3275#

8-24-70 TD 14,870'; PBD 14,485'; WO OCC Potential  
CAOF 26,400 MCFGPD

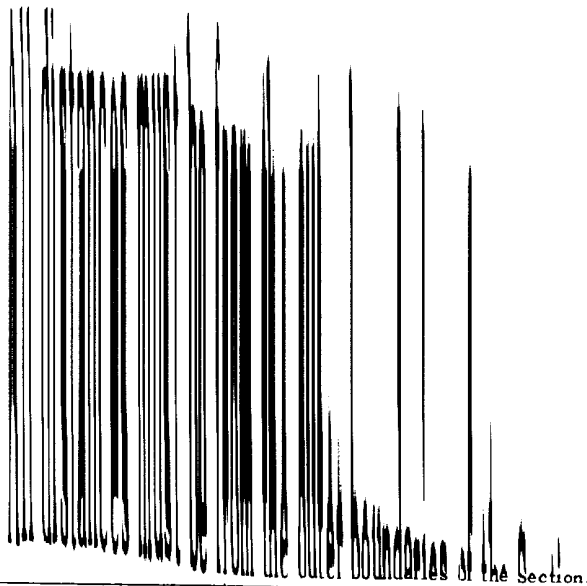
8-31-70 TD 14,870'; PBD 14,485'; COMPLETE  
(Morrow) FOUR POINT GAUGES:  
Flwd 3700 MCFGPD, chk NR, 1 hr, TP 4055#  
Flwd 5490 MCFGPD, chk NR, 1 hr, TP 3800#  
Flwd 7000 MCFGPD, chk NR, 1 hr, TP 3550#  
Flwd 8000 MCFGPD, chk NR, 1 hr, TP 3275#  
Morrow Discovery  
LOG TOPS: Anhydrite 1633', Yates 3239',  
Queen 4496', San Andres 5165', Delaware 5945',

8-31-70 Continued  
Bone Spring 7885', Wolfcamp 10,756',  
Cisco 11,880', Canyon 12,068', Strawn  
12,160', Atoka 12,424', Morrow 12,920',  
Barnett 13,497', Woodford 14,433', Devonian  
14,575'

9-3-70 COMPLETION REPORTED

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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



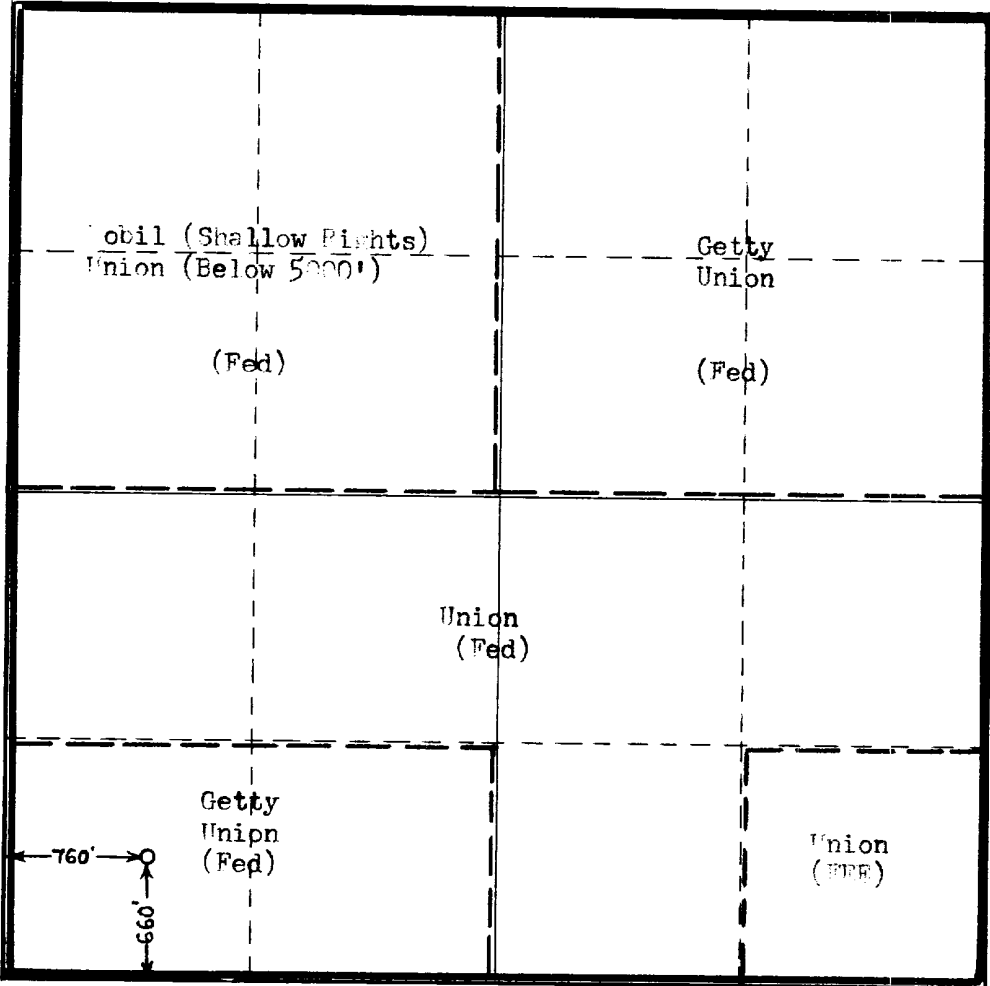
|  |   |                             |                                   |                      |  |
|--|---|-----------------------------|-----------------------------------|----------------------|--|
| Operator<br><b>Union Oil Company of California</b>   |   |                             | Lease<br><b>Pipeline Federal</b>  |                      | Well No.<br><b>1</b>                   |
| Unit Letter<br><b>M</b>  | Section<br><b>4</b>                           | Township<br><b>19 South</b> | Range<br><b>34 East</b>           | County<br><b>Lea</b> |  |
| Actual Footage Location of Well:<br><b>660</b> feet from the <b>South</b> line and <b>760</b> feet from the <b>West</b> line |   |                             |                                   |                      |  |
| Ground Level Elev.<br><b>Unknown</b>   | Producing Formation<br><b>Siluro-Devonian</b> |                             | Pool<br><b>LA RICA-MO NOW GAS</b> |                      | Dedicated Acreage:<br><b>640</b> 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 Voluntary Operator Pooling  
(Communitization for USGS in Preparation)

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  
*[Signature]*  
Position  
**District Drilling Supt.**  
Company  
**Union Oil Company of Calif.**  
Date  
**November 20, 1970**

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.