

**DIAGRAMMATIC SKETCH SHOWING DUAL COMPLETION INSTALLATION  
(PROPOSED)**

**BEFORE EXAMINER NUTTER**

OIL CONSERVATION COMMISSION

EXHIBIT NO. 2

CASE NO. 2106

UPPER  
ZONE

Tubing 2-1/16" Hydril  
set at 8720'

Tubing 2-1/16" Hydril  
set at 8720'

Top at 8615 Feet

Name: Wolfcamp

Completion this  
Zone: Oil

Bottom at 8753 Feet

2-3/8" OD Tubing  
8720' - 9540'

LOWER  
ZONE

Top at 9547 Feet

Name: Strawn

Completion this  
Zone: Oil

Bottom at 9640 Feet

13-3/8" Casing set at 335'  
Cmt. Circ.

8-5/8" Casing set at 3589'

5-1/2" Casing set at 11,272'  
Top cmt. @ 8515'

Parallel Latching Sub @ 8720'

Perforated

8615' - 8620'; 8644' - 8653'

8675' - 8690'; 8708' - 8716'

8730' - 8753'

Baker Model "D" Packer @ 9430'

Perforated:

9547' - 9574'

9610' - 9640'

TD 11,272' PBTD 11,190'

Note: Devonian perforations  
11,236' to 11,250' squeezed with cmt.  
COMPANY: TEXACO Inc.

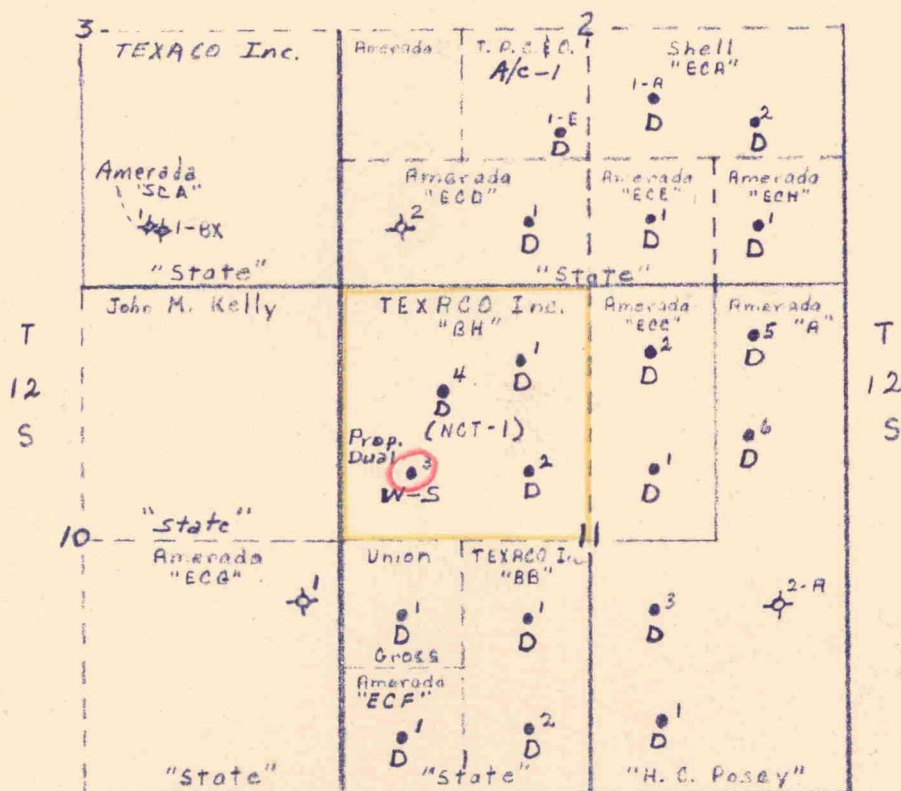
LEASE: State of New Mexico "BH" (NCT-1) Well No. 3

FIELD: Undesignated (Wolfcamp) and (Strawn) Field

DATE: September 13, 1960

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
EXHIBIT NO. 1  
CASE NO. 2106

R-32-E



R-32-E

PLAT OF TEXACO Inc. STATE OF NEW MEXICO "BH" (NCT-1) LEASE  
AND OFFSET LEASES

Lea County, New Mexico

Scale: 1" = 2000'

LMF September 13, 1960

LEGEND

- D - East Caprock  
Devonian Pool
- W - Undesignated  
Wolfcamp Pool
- S - Undesignated  
Strawn Pool

OFFSET OPERATORS

Amerada Petroleum Corp., P. O. Box 312,  
Midland, Texas  
John M. Kelly, P. O. Box 5671, Roswell,  
New Mexico  
Union Oil Company of California, Union Oil  
Building, 619 West Texas Ave., Midland,  
Texas

BEFORE THE  
OIL CONSERVATION COMMISSION  
Farmington, New Mexico  
October 13, 1960.  
Regular Hearing

I N T H E M A T T E R O F  
C A S E N O. 2 0 9 5

TRANSCRIPT OF PROCEEDINGS

DEARNLEY-MEIER REPORTING SERVICE, Inc.

PHONE CH 3-6691

ALBUQUERQUE, NEW MEXICO



OIL CONSERVATION  
EXHIBIT NO. 1  
CASE NO. 2106

[illegible]

R-32-E

LMF September 13, 1960

## OFFSET OPERATORS

Amerada Petroleum Corp., P. O. Box 312,  
Midland, Texas  
John M. Kelly, P. O. Box 5671, Roswell,  
New Mexico  
Union Oil Company of California, Union Oil  
Building, 619 West Texas Ave., Midland,  
Texas



DIAGRAMMATIC SKETCH SHOWING DUAL COMPLETION INSTALLATION  
(PROPOSED)

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 2

CASE NO. 2106

Tubing 2-1/16" Hydril  
set at 8720'

Tubing 2-1/16" Hydril  
set at 8720'

Top at 8615 Feet

Name: Wolfcamp

Completion this  
Zone: Oil

Bottom at 8753 Feet

2-3/8" OD Tubing  
8720' - 9540'

Top at 9547 Feet

Name: Strawn

Completion this  
Zone: Oil

Bottom at 9640 Feet

13-3/8" Casing set at 335'  
Cmt. Circ. ✓

8-5/8" Casing set at 3589'

5-1/2" Casing set at 11,272'  
Top cmt. @ 8515'

Parallel Latching Sub @ 8720'  
Perforated

8615' - 8620' ✓; 8644' - 8653' ✓  
8675' - 8690' ✓; 8708' - 8716' ✓  
8730' - 8753' ✓

Baker Model "D" Packer @ 9430' ✓

Perforated:

9547' - 9574' ✓  
9610' - 9640' ✓

2 jets / 8"  
will acidize  
separately

TD 11,272' PSTD 11,190'

cmt w/ 500 x  
top cmt 8515

Note: Devonian perforations  
11,236' to 11,250' squeezed with cmt.

LEASE: State of New Mexico "BH" (NCT-1) Well No. 3

FIELD: Undesignated (Wolfcamp) and (Strawn) Field

DATE: September 13, 1960

UPPER  
ZONE

LOWER  
ZONE

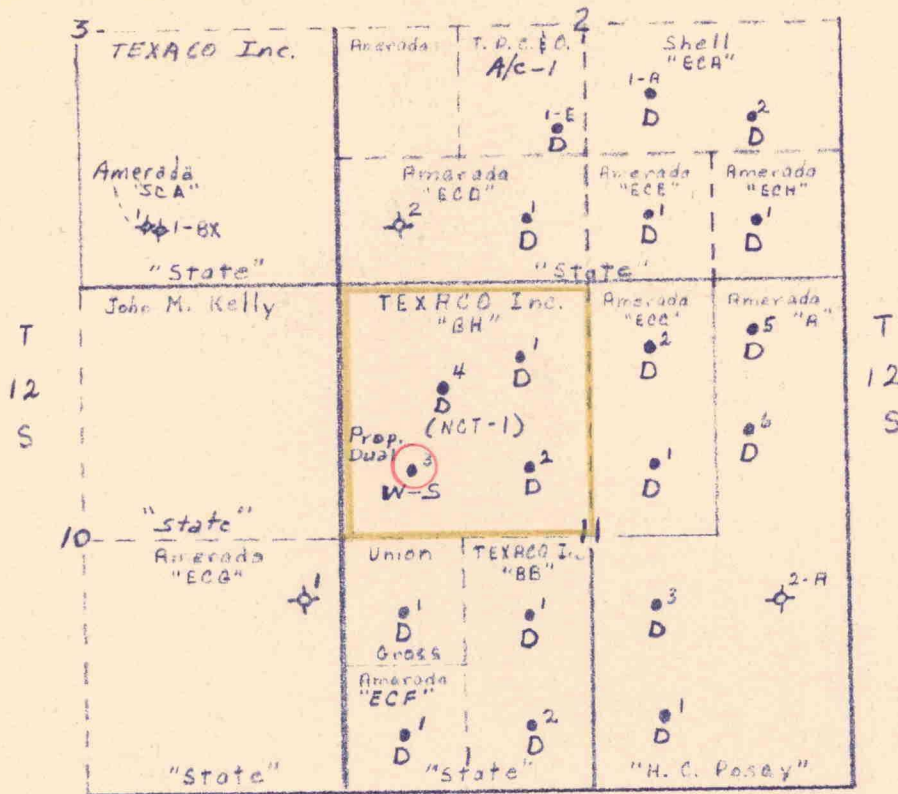
BHP  
15 Min  
SI Press  
of DST 7.50  
intermediate

will squeeze just  
below WC to shut off  
a water zone there.  
expect top accow 124 BPD

BHP  
602834  
on off  
DST  
2875 20 min  
SI Press  
gro 45.7° intermediate sweet

Dev:  
SBOPD  
900 BWPD  
perf 11,236 to  
11,250'  
PSTD  
11,190.  
cmt upon  
cmt rest  
w/ 1505x

R-32-E



R-32-E

PLAT OF TEXACO Inc. STATE OF NEW MEXICO "BH" (NCT-1) LEASE  
AND OFFSET LEASES

Lea County, New Mexico

Scale: 1" = 2000'

LMF September 13, 1960

LEGEND

- D - East Caprock  
Devonian Pool
- W - Undesignated  
Wolfcamp Pool
- S - Undesignated  
Strawn Pool

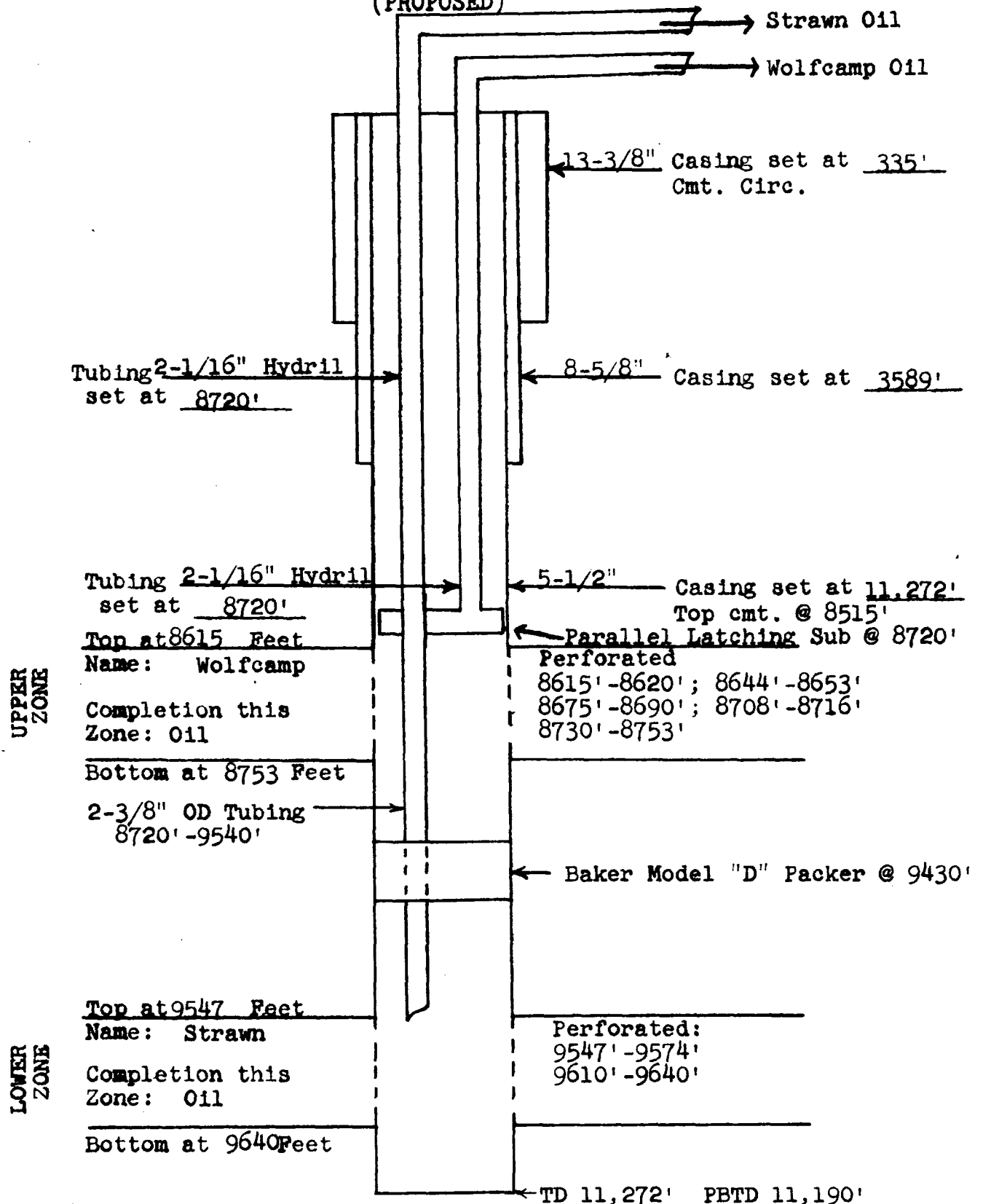
OFFSET OPERATORS

Amerada Petroleum Corp., P. O. Box 312,  
Midland, Texas

John M. Kelly, P. O. Box 5671, Roswell,  
New Mexico

Union Oil Company of California, Union Oil  
Building, 619 West Texas Ave., Midland,  
Texas

**DIAGRAMMATIC SKETCH SHOWING DUAL COMPLETION INSTALLATION  
(PROPOSED)**



**Note:** Devonian perforations 11,236' to 11,250' squeezed with cmt.

**COMPANY:** TEXACO Inc.

**LEASE:** State of New Mexico "BH" (NCT-1) Well No. 3

**FIELD:** Undesignated (Wolfcamp) and (Strawn) Field

**DATE:** September 13, 1960

# LANE RADIOACTIVITY LOG WELLS

## COMPANY

|                                       |                                   |                                   |
|---------------------------------------|-----------------------------------|-----------------------------------|
| Location of Well                      | COMPANY: THE TEXAS COMPANY        | FILE NO.                          |
|                                       | WELL: STATE OF N. MEX. "BH" NO. 3 | WELL: STATE OF N. MEX. "BH" NO. 3 |
|                                       | FIELD: EAST CAPROCK               | FIELD: EAST CAPROCK               |
|                                       | COUNTY: LEA STATE: N. MEX.        | COUNTY: LEA STATE: N. MEX.        |
|                                       | LOCATION: 1980' FNL & 663' FWL    |                                   |
|                                       | SECTION 11 T-12-S RANGE-32-E      |                                   |
| LOG MEAS. FROM DRIVE BUSHING          | ELEV.*                            |                                   |
| DRIG. MEAS. FROM DRIVE BUSHING        | ELEV.*                            |                                   |
| PERM. DATUM DRIVE BUSHING IS 9' ABOVE | ELEV.*                            |                                   |

|                                  |               |          |
|----------------------------------|---------------|----------|
| GROUND LEVEL                     |               |          |
| TYPE OF LOG                      | GAMMA RAY     | NEUTRON  |
| RUN NO.                          | ONE-NW        | ONE-NW   |
| DATE                             | 3-8-53        | 3-8-53   |
| TOTAL DEPTH (DRILLER) STRAIN     | 11,272        | 11,272   |
| EFFECTIVE DEPTH (DRILLER)        | 11,270        | 11,270   |
| TOP OF LOGGED INTERVAL           | SURFACE       | SURFACE  |
| BOTTOM OF LOGGED INTERVAL        | 11,268        | 11,268   |
| TYPE OF FLUID IN HOLE            | WATER         | WATER    |
| FLUID LEVEL                      |               | 80'      |
| MAXIMUM RECORDED TEMP.           |               | 600N     |
| NEUTRON SOURCE STRENGTH & TYPE   |               | 8.25     |
| SOURCE SPACING — IN.             |               | 9"       |
| LENGTH OF MEASURING DEVICE — IN. | 36"           | 3 5/8"   |
| O.D. OF INSTRUMENT — IN.         | 3 5/8"        | 3 5/8"   |
| TIME, CONSTANT — SECONDS         | 6.0           | 4.0      |
| LOGGING SPEED FT. MIN.           | 25-50         | 25-65    |
| STATISTICAL VARIATION — IN.      |               |          |
| SENSITIVITY REFERENCE            | 274           | 275      |
| RECORDED BY                      | SCHLOTTERBACK |          |
| WITNESSED BY                     | WILLIAMS      | WILLIAMS |

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
CASE NO. 206

### CASING RECORD

| RUN NO. | BIT SIZE | CASING  | WT.—LB. | FROM WELL RECORD  | FROM R A LOG      |
|---------|----------|---------|---------|-------------------|-------------------|
| ONE     | 17 1/4"  | 13 3/8" |         | SURFACE TO        | SURFACE TO 323    |
| CNE     | 10 1/4"  | 8 5/8"  |         | SURFACE TO 3544   | SURFACE TO 3539   |
| ONE     | 7 7/8"   | 5 1/2"  |         | SURFACE TO 11,270 | SURFACE TO 11,270 |
|         |          |         |         | TO                | TO                |
|         |          |         |         | TO                | TO                |