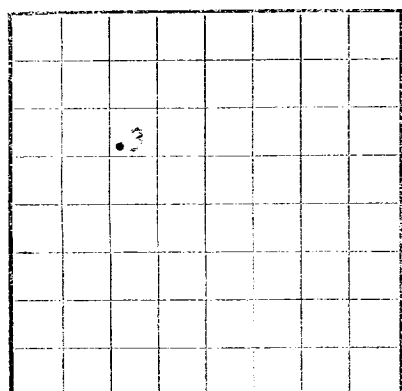


Navajo Tribal  
U. S. LAND OFFICE  
SPECIAL NUMBER Contr. 511-2-53-222  
Reel 11  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_  
"Navajo Pk"



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Karnell Petroleum Company Address San Rafael, Santa Fe, New Mexico  
Lessor or Tract Navajo Nat. Field Horneshee Hallam State New Mexico  
Well No. 3 Sec. 28 T. 31N R. 12E Meridian Mountain County San Juan  
Location 190 ft. N of 1 Line and 1910 ft. E of 1 Line of Sec. 28 Elevation 4821  
(Depth of base of the casing)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Henry J. Jr.  
Date April 2, 1961 Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 3-14 1962 Finished drilling 3-12 1962

OIL OR GAS SANDS OR ZONES  
(Depth and % to)

No. 1, from 1113 to 1544 No. 1, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 2, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 2, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

### CASTING REPORT

[illegible]

### MUDDING AND CEMENTING RECORD

| Size casting | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|--------------|-----------|------------------------|-------------|-------------|--------------------|
| 6-7/8        | 713       | 1                      | 1000        | 1000        |                    |
| 6-7/8        | 714       | 1                      | 1000        | 1000        |                    |
|              |           |                        |             |             |                    |
|              |           |                        |             |             |                    |
|              |           |                        |             |             |                    |
|              |           |                        |             |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
| 200  | 200        | 200            | 200      | 200  | 200        | 200               |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

### DATES

....., 19..... Put to producing ..... 19.....

The production for the first 24 hours was 14 barrels of fluid of which 10 % was oil; 1 % emulsion; 1 % water; and 1 % sediment. Gravity, °Bé. 10

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. ....

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

# FORMATION RECORD

| FROM--                                   | TO--                                                                     | TOTAL FEET | FORMATION       |
|------------------------------------------|--------------------------------------------------------------------------|------------|-----------------|
| 1323                                     | 1410                                                                     | 87         | Lower Gellu     |
| 1410                                     | 1524                                                                     | 114        | Lower Gellu 1st |
| 1524                                     | 1580                                                                     | 56         | Lower Gellu 2nd |
| <u>1580-1581</u>                         |                                                                          |            |                 |
| Perforated 1' 13-20" 1524-1544 w/2 . . . |                                                                          |            |                 |
| <u>1582-1583 0112-0113</u>               |                                                                          |            |                 |
| 3-10-50                                  | Spud 2100 ft.                                                            |            |                 |
| 3-11-50                                  | Set 4 1/2" cas.                                                          |            |                 |
| 3-13-50                                  | Schlumberger arc sonic, ind. . . . . logs. Set 5-1/2" casing.            |            |                 |
| 3-14-50                                  | Log cells and correlation logs (part 5) cas. 1' 13-20" 1524-14.          |            |                 |
| 3-15-50                                  | Log cells . . . . . Gibbins unit.                                        |            |                 |
| 3-17-50                                  | Towell sand oil frac w/35,000 psi. loc. crude.                           |            |                 |
| 3-18-50                                  | Run 15 lbs. of 40% . . . 1500', core sample 1500', seating nipple 1500'. |            |                 |
| 3-19-50                                  | Run rods . . . . .                                                       |            |                 |
| 3-19-50                                  | Released pulling unit 10:00 noon.                                        |            |                 |
| 3-22-50                                  | Install pump unit.                                                       |            |                 |
| 4-2-50                                   | Potential test completed.                                                |            |                 |

U. S. GOVERNMENT PRINTING OFFICE

[illegible]