

13 JUN 1979

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OIL CONSERVATION COMM.
MOBILE, AL.

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

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

All distances must be from the outer boundaries of the Section

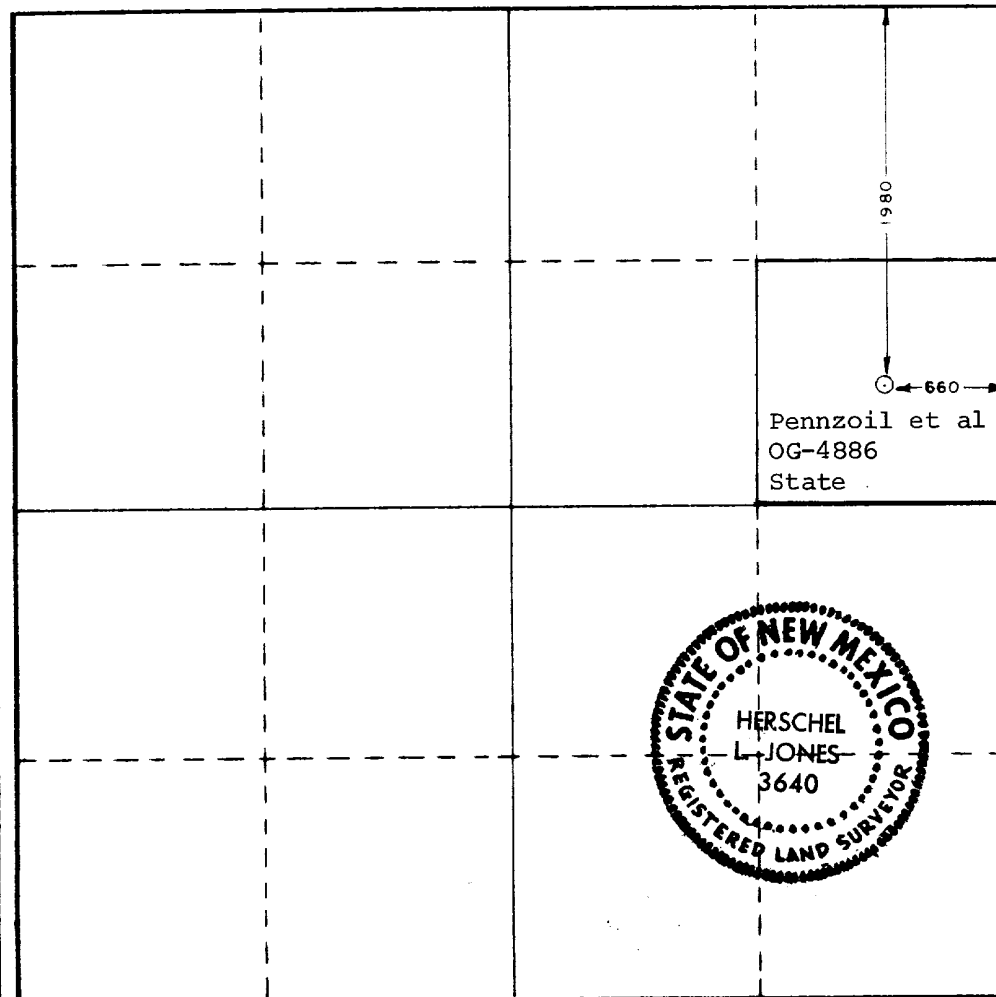
| | | | | | |
|---|-------------------------------------|-----------------------------|----------------------------------|--|----------------------|
| Operator HEAD and STEVENS, INC. | | | Lease [REDACTED] State | | Well No. 2 |
| Tract Letter "H" | Section 11 | Township 19 South | Range 34 East | County Lea | |
| Actual Footage Location of Well: 1980 feet from the North line and 660 feet from the East line | | | | | |
| Ground Level Elev. 3966.5 | Producing Formation Queen | Pool Quail Queen | | Dedicated Acreage: 40.00 Acres | |

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

John L. Anderson, Jr.
Name

John L. Anderson, Jr.

Position

Agent

Company

Read & Stevens, Inc.

Date

June 5, 1979

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

May 31, 1979

Registered Professional Engineer and/or Land Surveyor

Herschel L. Jones
Certificate No. **3640**

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

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**OIL CONSERVATION COMM.
NOBBS. N. M.**

WELL PROGNOSIS

OPERATOR: READ & STEVENS, INC.
WELL: #2 Wainoco State
FIELD & DEPTH: Quail Queen - 6200'
LOCATION: 1980' FNL & 660' FEL Sec. 11, T-19-S, R-34-E, Lea County, New Mexico
CONTRACTOR: WEK Drilling Company - Rig #3
ELEVATION: 3966.5' GR - 3977' RKB

ESTIMATED FORMATION TOPS

| | |
|-----------------|---------------|
| T/Anhydrite | 1799' (+2178) |
| T/Salt | 1917' (+2060) |
| B/Salt | 3262' (+715) |
| T/Yates | 3527' (+450) |
| T/Queen Sand | 4697' (-720) |
| T/Penrose sands | 4972' (-995) |

CASING PROGRAM

| <u>Hole Size</u> | <u>Casing Size</u> | <u>Wt. Per foot</u> | <u>Setting Depth</u> | <u>Cement</u> |
|------------------|--------------------|---------------------|----------------------|--------------------|
| 11" | 8 5/8" | 24# | 1850' | 575 sx. circulated |
| 7 7/8" | 4 1/2" | 10.5# | 6200' | 700 sx. |

MUD PROGRAM

0' - 1,850' Spud mud with gel/lime slurry. Mud wt. 9.0#-9.5#, Vis. 32-34, WL no control.

1,850' - 4,600' Clear water and native mud. Mud wt. 10.0#-10.2#, Vis. 28-32, WL no control.

4,600' - 6,200' Salt gel mud system. Mud wt. 9.5#-10.2#, Vis. 36-38, WL 20.

DRILLING AND CEMENTING PROGRAM

1. Drill 11" hole to 1850' and set 8 5/8", 24#, S.T. & C. casing at 1,850' cemented with 575 sx. Class C. Cement with 2% CaCl₂ and 8# salt per sx. Cement will be circulated.
2. Drill 7 7/8" hole to 6,200' and, if production is indicated, set 4 1/2" casing to total depth. Cement from total depth to 3,200' with 700 sx. Class C pozmix with 1/4# floseal and 6# salt per sx. with .5 of 1% CFR-2.

EVALUATION PROGRAM

Start salt gel mud system at 4,600' for increased sample quality. Drill to total depth and run logs. Take selected sidewall cores for additional formation evaluation.

LOGGING PROGRAM

Run Simultaneous Gamma Ray-Caliper, Compensated Neutron Formation Density as porosity tool with Dual laterolog as Resistivity tool. Detail from 3,400' to total depth.

BLOWOUT PREVENTER SYSTEM

Drilling rig will be equipped with a 10" Shaffer Type E Series 900, blowout preventer with double rams and rated to 3,000# working pressure with Payne dual control 3,000# closing unit and Payne dual control 300# accumulator.

WELL SUPERVISION

Well site supervision will be maintained from surface to total depth. Samples will be caught, washed and sacked from below surface string to 1,850' to total depth at 10 foot intervals. Mechanically recorded drilling time will be maintained from surface to total depth. Blowout preventer stack and casing head will be independently pressure tested before drilling into the Queen formation. A daily check of the blowout preventer system will be made from 4,600' to total depth.

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**OIL CONSERVATION COMM.
HOBBS, N. M.**