

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
OG-4886	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name	
2. Name of Operator		9. Well No.	
Read & Stevens, Inc.		1	
3. Address of Operator		10. Field and Pool, or Wildcat	
P.O. Box 2126, Roswell, New Mexico 88201		Quail Queen	
4. Location of Well		12. County	
UNIT LETTER <u>B</u> LOCATED <u>660'</u> FEET FROM THE <u>North</u> LINE		Lea	
AND <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>11</u> TWP. <u>19S</u> RGE. <u>34E</u> NMPM			
		19. Proposed Depth	
		5,500'	
		19A. Formation	
		Queen	
		20. Rotary or C.T.	
		Rotary	
21. Elevations (Show whether DF, RT, etc.)		21B. Drilling Contractor	
3973' GR - 3983' RKB		WEK Drilling Co.	
21A. Kind & Status Plug. Bond		22. Approx. Date Work will start	
Statewide		March 27, 1978	

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	12 3/4"	34#	30'	10 sx.	Circulated
11"	8 5/8"	24#	1900'	375 sx.	Circulated
7 7/8"	4 1/2"	9.5# & 10.5#	5500'	440 sx.	3200'

See attached well prognosis for proposed drilling program and blowout preventer data. Casinghead gas from this proration unit is dedicated to Warren Petroleum Company.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed John R. Anderson Title Agent Date 3-22-78

(This space for State Use)

SUPERVISOR DISTRICT I

MAR 23 1978

APPROVED BY Leopoldo TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

MAR 23 1978

OIL CONSERVATION COMM.
HOBBS, N. M.

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

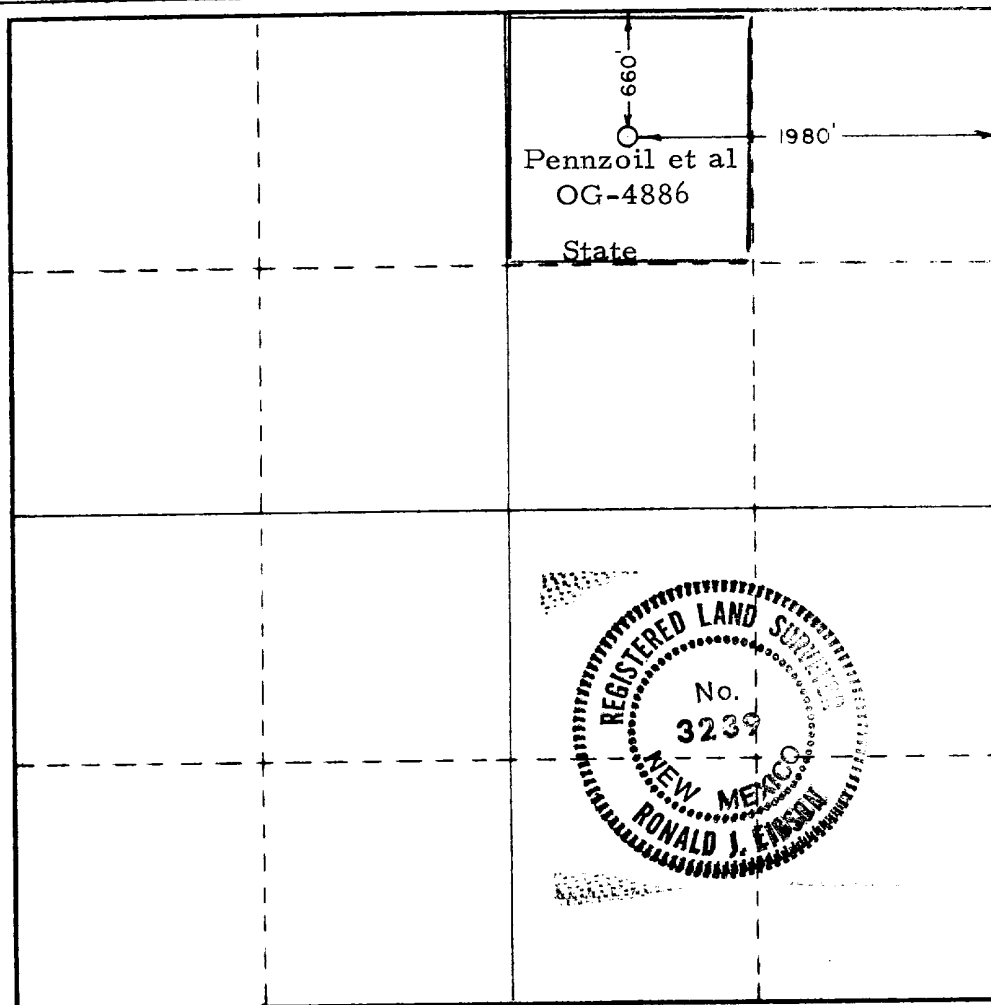
Operator Read & Stevens, Inc;		Lease Wainoco State		Well No. 1
Unit Letter B	Section 11	Township 19 South	Range 34 East	County Lea
Actual Footage Location of Well: 660 feet from the North line and 1980 feet from the East line				
Ground Level Elev. 3973.0	Producing Formation Queen	Pool Quail Queen	Dedicated Acreage: 40.00 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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

March 22, 1978

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.

3/20/78

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Ronald J. Eidson

Certificate No. **John W. West 676**
Ronald J. Eidson 3239

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

RECEIVED

MAR 23 1978

OIL CONSERVATION COMM.
HOBBS, N. M.

WELL PROGNOSIS

OPERATOR: READ & STEVENS, INC.
WELL: #1 Wainoco State
FIELD & DEPTH: Quail Queen - 5,500'
LOCATION: 660' FNL & 1980' FEL, Sec. 11, T-19-S, R-34-E,
Lea County, New Mexico
CONTRACTOR: WEK Drilling Company - Rig #3
ELEVATION: 3973' GR - 3983' RKB

ESTIMATED FORMATION TOPS

T/Anhydrite	1833' (+2150)
T/Salt	1958' (+2025)
B/Salt	3283' (+ 700)
T/Yates	3543' (+ 440)
T/Queen Sand	4703' (- 720)
T/Penrose sands	4985' (-1002)

CASING PROGRAM

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt. Per Foot</u>	<u>Setting Depth</u>	<u>Cement</u>
17 1/2"	12 3/4"	34#	30'	10 sx. Circulated
11"	8 5/8"	24#	1,900'	375 sx. Circulated
7 7/8"	4 1/2"	9.5# & 10.5#	5,600'	440 sx.

MUD PROGRAM

0' - 1,900'	Spud mud with gel/lime slurry. Mud wt. 9.0#-9.5#, Vis. 32-34, WL no control.
1,900' - 4,600'	Clear water and native mud. Mud wt. 10.0#-10.2#, Vis. 28-32, WL no control.
4,600' - 5,500'	Salt gel mud system. Mud wt. 9.5#-10.2#, Vis. 36-38, WL 10-20.

DRILLING AND CEMENTING PROGRAM

1. Drill 17 1/2" hole to 30' and set 12 3/4", 34# conductor casing at 30' cemented to surface with ready mix.
2. Drill 11" hole to 1,900' and set 8 5/8", 24#, S.T.&C. casing at 1,900' cemented with 500 sx. Class "C" cement with 2% CaCl₂ and 8# salt per sx. Cement will be circulated.
3. Drill 7 7/8" hole to 5,500' and, if production is indicated, set 4 1/2" casing to total depth. Cement from total depth to 3,200' with 440 sx. Class "C" pozmix with 1/4# floreal 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 and in preparation for coring operations. Cut 60' core of Queen sand at tentative coring point of 4,710'. Cut second 60' core at tentative coring point of 4985'. Cut third 60' core at tentative coring point of 5035'. Cut additional cores as necessary. Drill to total depth and run logs.

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.

CONFIDENTIAL

RECEIVED
OIL CONSERVATION COMM.
BUREAU, W. M.

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 at 1,900' 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 fo the blowout preventer system will be made from 4,600 to total depth.