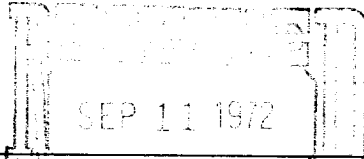


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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

30-001-20001



Form C-101
Revised 1-1-65

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Laguna-Wilson Trust	
2. Name of Operator Shell Oil Company (Rocky Mountain Division Production)		9. Well No. 1	
3. Address of Operator 1700 Broadway, Denver, Colorado 80202		10. Field and Pool, or Wildcat Cactus Area (WC)	
4. Location of Well UNIT LETTER <u>F</u> LOCATED <u>2080</u> FEET FROM THE <u>north</u> LINE AND <u>1780</u> FEET FROM THE <u>west</u> LINE OF SEC. <u>8</u> TWP. <u>9N</u> RGE. <u>1W</u> NMPM		12. County Bernalillo	
21. Elevations (Show whether DE, RT, etc.) 5394 GL		19. Proposed Depth 11,000'	19A. Formation Pre-Cambrian
21A. Kind & Status Plug. Bond \$10,000 Plugging		21B. Drilling Contractor Noble	20. Rotary or C.T. Rotary
		22. Approx. Date Work will start 9-11-72	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP

As per attached drilling prognosis and legal description of well.

cc: U. S. Geological Survey - Roswell, New Mexico
w/attachments

cc: Laguna Pueblo Indian Reservation w/attachments
P. O. Box 194
Laguna, New Mexico 87826

APPROVAL VALID
FOR 90 DAYS UNLESS
CANCELED OR REVOKED

SEP 13 1972

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 R. J. Gaudin Title Division Operations Engineer Date September 7, 1972

(This space for State Use)

APPROVED BY J. E. Lupton TITLE Oil & Gas Inspector DATE 9/14/72
CONDITIONS OF APPROVAL, IF ANY: None

COLLECT AND SACK SAMPLES
NEW MEXICO BUREAU OF
AT AT LEAST TWO WEEKS

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 SHELL OIL COMPANY		Lease LAGUNA		SEP 11 1972	Well No. 1
Unit Letter F	Section Eight	Township 9 N.	Range 1 W	County Santa Fe Bernalillo	

Actual Footage Location of Well:

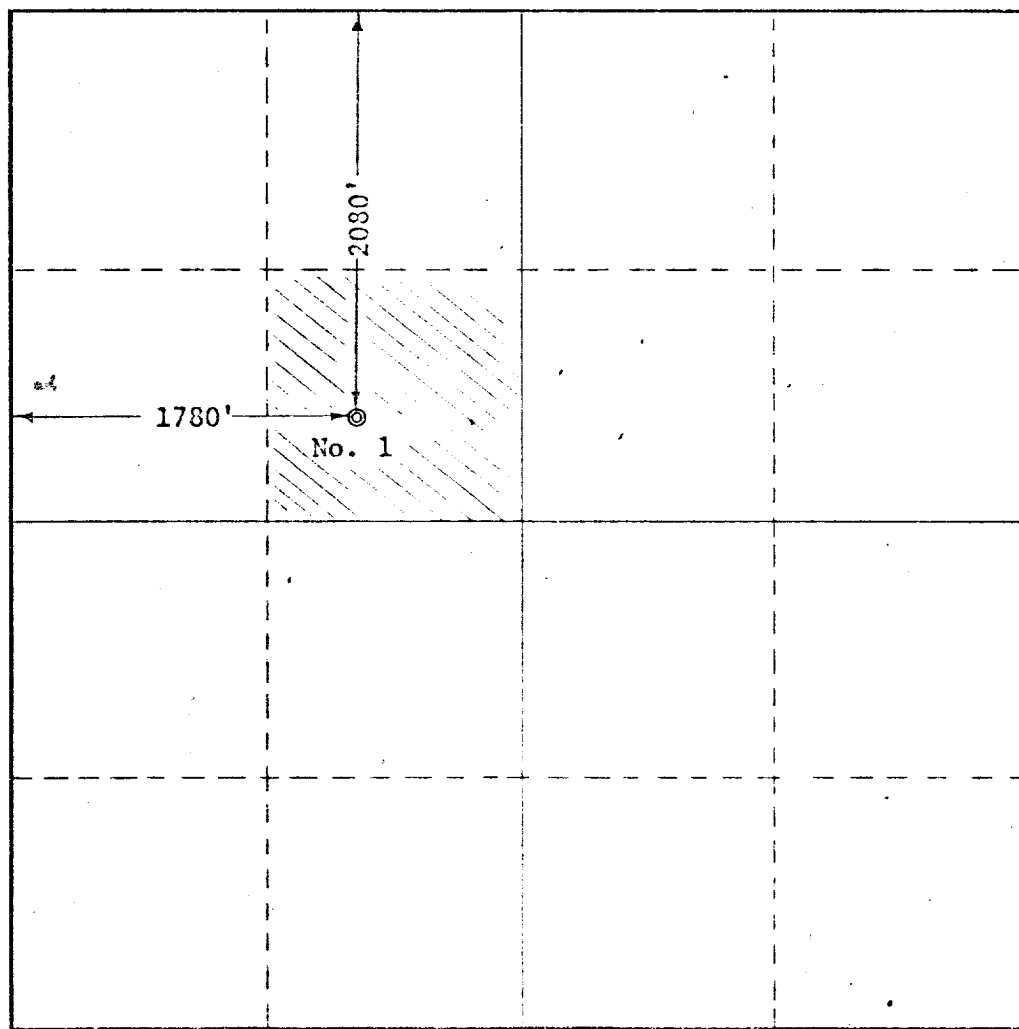
2080	feet from the	North	line and	1780	feet from the	West	line
Ground Level Elev. 5394	Producing Formation Pre-Cambrian		Pool Wild Cat	Dedicated Acreage: 40		Acres	

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 _____

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

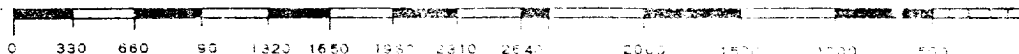
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name **M. G. Gray**
Position **Reg. Foreman**
Company **Shell oil co**
Date **8-31-72**

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
August 31, 1972
Registered Professional Engineer
and/or Land Surveyor

F. J. Munn
Certificate No. **2031**



DRILLING WELL PROGNOSIS

PRIVATE & CONFIDENTIAL

SEP 11 1972

WELL NAME	Shell-Laguna-Wilson Trust #1
TYPE WELL	Exploration Wildcat
FIELD/AREA	Cactus Area, Albuquerque Basin

Oil Conservation Comm

APPROX. LOCATION (SUBJECT TO SURVEY) SE/4 NW/4 Section 8-T9N-R1W, Bernalillo County, New Mexico

EST. G. L. ELEVATION 5,400' PROJECTED TO 11,000 OBJECTIVE Precambrian

HOLE SIZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
	20"	Conductor		30' minimum	
17 1/4"	13 3/8"	Surface	1°	300' ±	SAMPLES: 10' surface to TD
		BHC Sonic GR/CAL CNL-FDC PML DIL Dipmeter			CORES: conventional: 5-30' cores sidewalls: as needed for evaluation plus 100 shale shot core
12 1/4"	9 5/8"	* * * * * *	2°	3,200' ±	DST'S: Six possible from Dakota Sands to TD
8 3/4"	7" or 5 1/2" if required	BHC Sonic/GR/CAL (Seismic check shot survey) CNL-FDC PML DIL 2 Man Mud Logging Unit Dipmeter		Precambrian 10,700' (-5,300') TD 11,000'	DEVIATION CONTROL Dogleg severity not to exceed 1 1/2° per any 100' interval. Deviation not more than 5° average in any 500' interval. CEMENT Circulate Class "G" to surface on 13 3/8" casing. See casing & cement prognosis for 9 5/8" detail. (WOC minimum 18 hours) MUD Surface to 3,200' - water, mud up as necessary for logs and casing. 3,200' to TD - water, circulate res pit to keep clean, flocculate as necessary. When mud up is necessary use low solids, lightly dispersed mud. Treat out anhydrite with soda ash.

ORIGINATOR: JNC

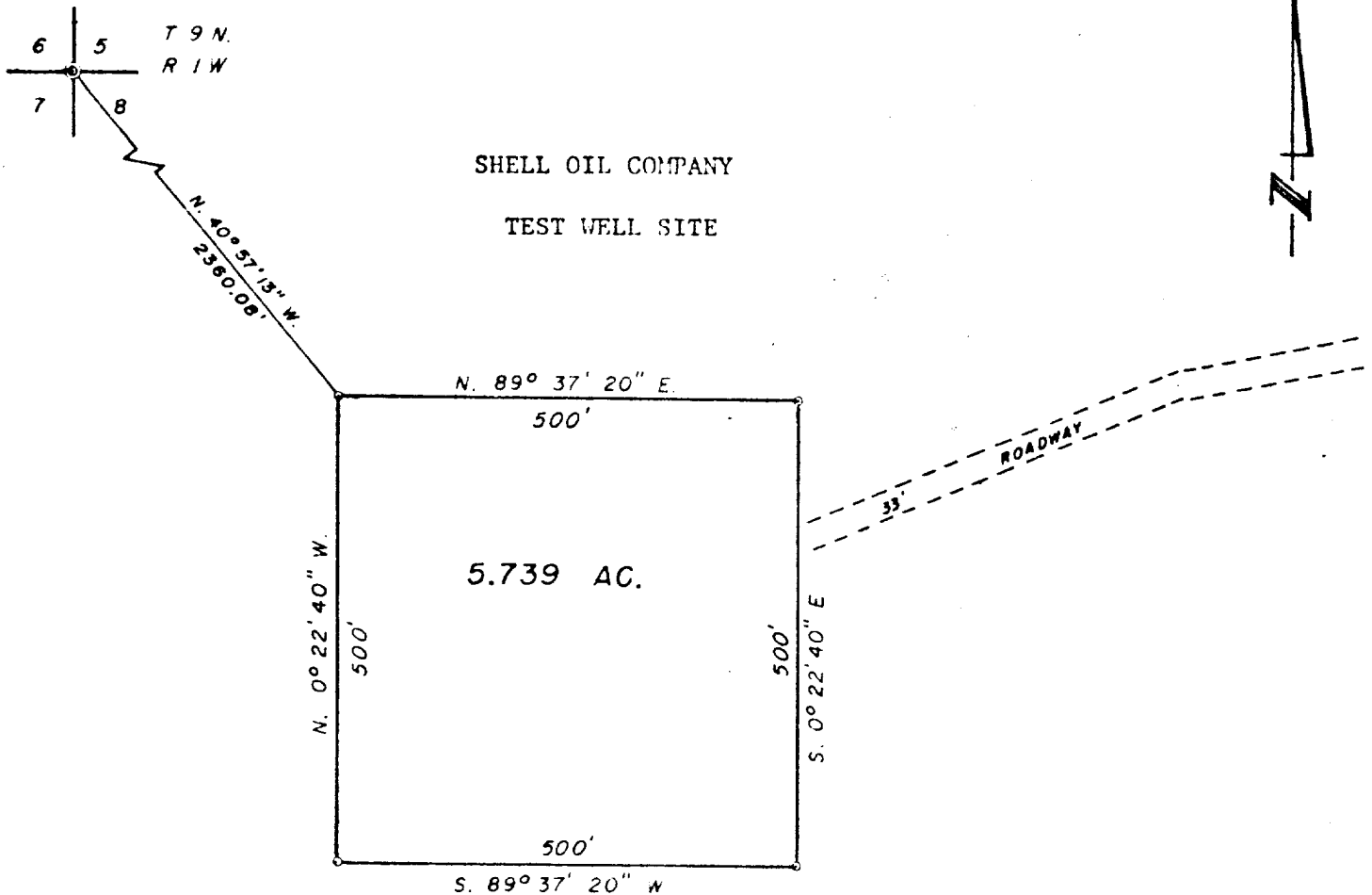
DATE 8/15/72

ENGINEERING APPROVAL:

PETROLEUM:

OPERATIONS APPROVAL

N.W. 1/4, Sec. 8, T.9 N., R.1 W.
N.M.P.M.



LEGAL DESCRIPTION

A tract of land situated in the northwest quarter of Section 8, T.9 N., R.1 W., N.M.P.M., Bernalillo County, New Mexico, and being more particularly described as follows:

From the point of beginning, being the northwest corner of said tract, the northwest corner of Section 8, being a marked stone, bearing N. 40° 57' 13\"/>



AREA ACCESS ROADWAY = 1.268 A.C.

LEGAL DESCRIPTION:

A tract of land situated in the North half of Section 8, T.9 N., R.1 W..