

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

2A. Indicate Type of Lease
STATE ☒ FEE ☐
3. State Oil & Gas Lease No.

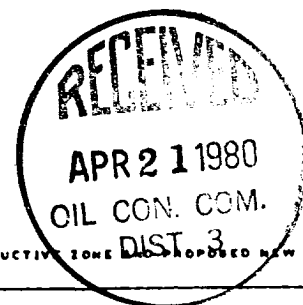
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Geophysical Test SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Shell Development Co.		8. Term or Lease Name
3. Address of Operator 3737 Bellaire Blvd., Houston, Texas		9. Well No. VA-1
4. Location of Well UNIT LETTER <u>A</u> LOCATED <u>1153.77</u> FEET FROM THE <u>North</u> LINE <u>401.44</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>36</u> TWP. <u>23N</u> RGE. <u>13W</u> N.M.P.M.		10. Field and Pool, or Wildcat Wildcat
11. Proposed Depth 870'		12. County San Juan
19A. Formation Cliff House		20. History or C.T. Rotary
21. Elevations (Show whether D.F., K.I., etc.) 6082.57' GR	21A. Kind & Status Plug. Bond Halliburton Lite	22. Approx. Date Work will start October 1, 1979

23. Cement
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
6-3/4"	none	---	---		GR

A well will be drilled to a TD of 870'. Cores will be taken from near surface to 800'. Logs will be run by Schlumberger (neutron, electrical, sonic, GR). Cement (Halliburton Lite) will be pumped in the well and a vertical array of geophones lowered through the cement. After allowing the cement to set 2-4 weeks various dynamite and airgun shots will be recorded into the array. The site will then be cleaned up and the cables buried below ground level with the intention of coming back within a year. At that time we will perform additional experiments in seismic techniques using the cemented geophone array.



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 Kathleen Title Supervisor Date 4/19/80

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DATE FEB 17 1980

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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All distances must be from the outer boundaries of the Section.

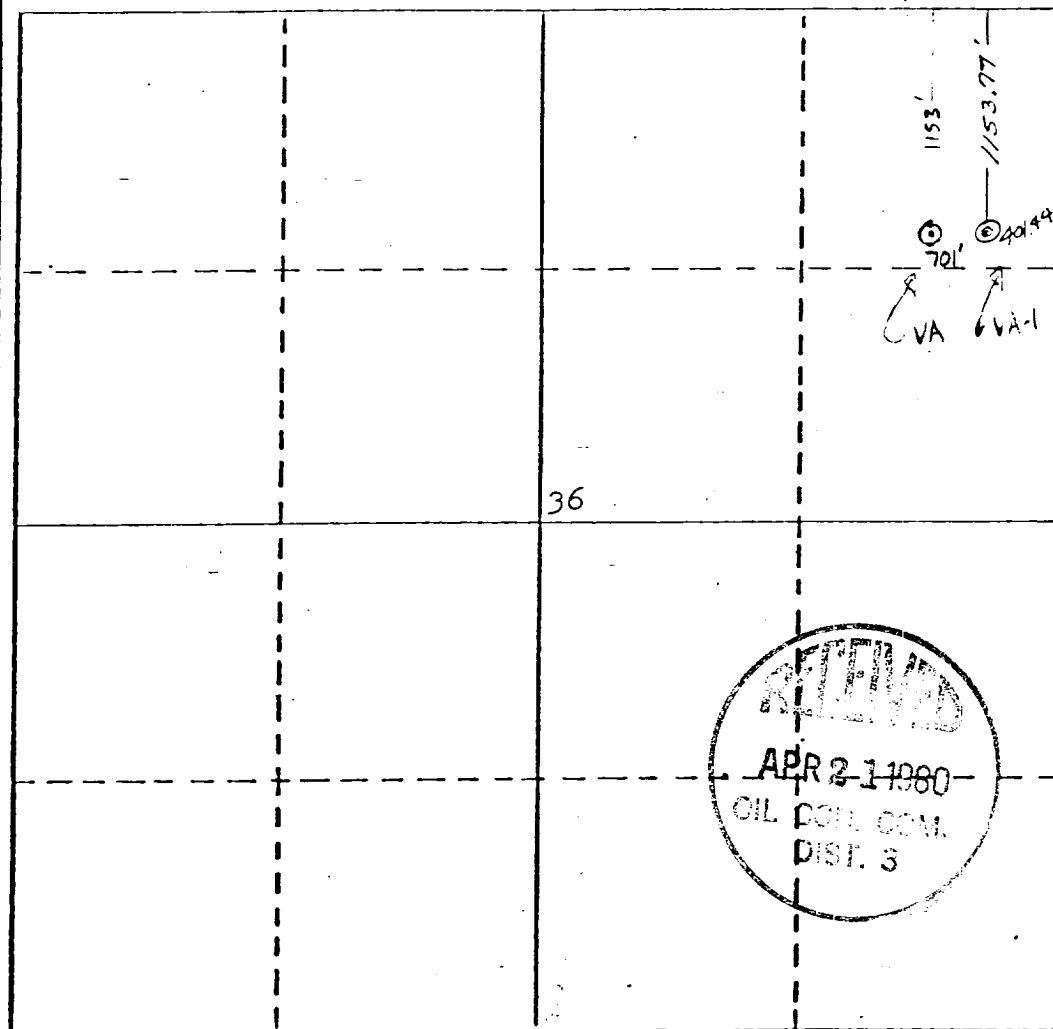
Operator SHELL OIL COMPANY			Lease		Well No. VA-1
Unit Letter A	Section 36	Township 23 NORTH	Range 13 WEST	County SAN JUAN	
Actual Footage Location of Well: 1153.77 feet from the NORTH line and 401.44 feet from the EAST line					
Ground Level Elev. 6082.57	Producing Formation		Pool		Dedicated Acreage: 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 Division.



CERTIFICATION

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

Name

Position

Company

Date

I hereby certify that the 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

March 20, 1980

Registered Professional Engineer
and/or Land Surveyor

James P. Leese

Certificate No.

1463