Copy to S. F.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Drawer 1857
Roswell, New Mexico 88201

January 29, 1965

Mr. G. W. Strake
3300 Gulf Building
Houston, Texas

Re: Hackberry Deep Unit

Dear Mr. Strake:

Your Notice of Intention to Drill well No. 1 Hackberry Deep Unit (copy attached) in the SW/4NW/4 sec. 31, T. 19 S., R. 31 E., N.M.P.M., Eddy County, New Mexico, lease New Mexico 06815-A, to a depth of 11,500' to test the Strawn formation, has been forwarded to this office for approval.

Pursuant to authority delegated to the Regional Oil and Gas Supervisor on May 10, 1962, 27 F.R. 4814, I hereby approve the Notice of Intention to Drill described in the foregoing.

Please notify the District Engineer, Geological Survey, Drawer U, Artesia, New Mexico, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

John A. Anderson
Regional Oil and Gas Supervisor

Attachment

cc:
Washington
Mining Branch (2)
NMOCC-Artesia (2) (w/2 cys Notice)
Artesia
Roswell (2)

JAKnauf/hb

RECEIVED
FEB 9 1965
O. C. C.
ARTESIA, OFFICE

N. M. O. C. C. COPY

Copy to S. F.

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Form 9-331a
(Feb. 1951)

X			

(SUBMIT IN TRIPLICATE)

Land Office .....

Lease No. NM-06815A

Unit "E"

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 21, 1965

Hackberry Deep Unit
Well No. 1 is located 1650 ft. from {N} line and 990 ft. from {W} line of sec. 31

SW/4 NW/4 of Sec. 31 (¼ Sec. and Sec. No.) 19S (Twp.) 31E (Range) NMPM (Meridian)

~~Undesignated~~ wc (Field) Eddy (County or Subdivision) New Mexico (State or Territory)

The elevation ~~of the derrick floor~~ above sea level is 3397 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

(See Attached Sheet)

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RECEIVED
JAN 22 1965

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company G. N. Strake

Address 3300 Gulf Building
Houston, Texas

By [signature]

Title Gen. Supt.

GPO 862040

DETAILS OF WORK

It is proposed to drill a well to test the Strawn Lime formation at a maximum depth of 11,500 feet. The drilling will be done with cable tool and rotary tool equipment.

Surface casing will be set to the top of the Massive Salt at approximately 600 feet. This casing will be 13-3/8" O.D., H-40 or equivalent. The surface casing will be cemented with a volume sufficient to circulate the annular space to the surface of the ground.

Intermediate casing will be set to case off the expected loss of circulation zones and will be set at approximately 4200 feet. This casing will be 8-5/8" O.D., J-55 or equivalent. The intermediate casing will be cemented with a volume equivalent to 150% of the annular space from the bottom of the casing to the base of the last loss of circulation zone, and with a volume equivalent to 150% of the annular space from the top of the loss of circulation zones, or the base of the Yates Sand formation, to the top of the Massive Salt.

Provided commercial oil and/or gas production is obtained, production casing will be set to total depth, plug back total depth, or top of Pay Zone. The production casing will be 4-1/2" O.D., 13.5# or 5-1/2" O.D., 17#, N80 grade or equivalent. Production casing will be cemented with a volume equivalent to 150% of the annular space from the bottom of the casing to 800 feet above the top of the Pay Zone, or a minimum of 150 sacks, and proceeded with mud-laden fluid.

N. 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	Lease	Well No.
G.W. Strake	Hackberry Deep Unit	1

Unit Letter	Section	Township	Range	County
E	31	19 South	31 East	Eddy

Actual Footage Location of Well: 1650 feet from the North line and 990 feet from the West line

Ground Level Elev:	Producing Formation	Pool	Dedicated Acreage:
3397	Strawn	~~Undesignated~~ Wc	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?

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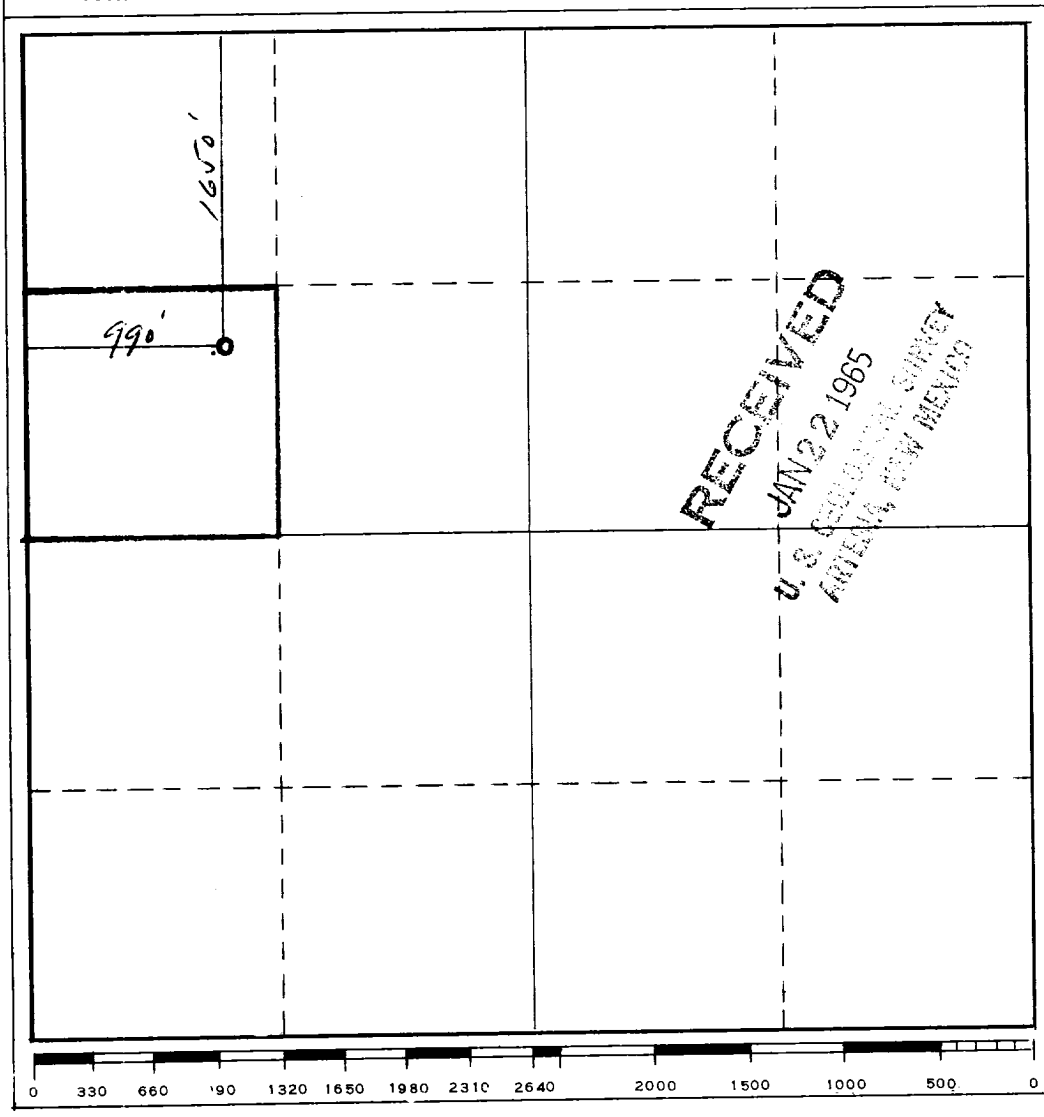
ARTESIA, OFFICE

☐ 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: John L. Davis

Position: Div Geologist

Company: G.W. Strake

Date: Jan. 22, 1965

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: January 21, 1965

Registered Professional Engineer and/or Land Surveyor: John A. Morris Jr.

Certificate No. 1502