Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.

Land Office Las Cruces
Lease No. 069469 (a) A
Unit W.E. & Ida Harper

(SUBMIT IN TRIPLICATE)

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 REDRILLING 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)

Loco Hills, New Mexico, March 3, 1952

Well No. 1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 26

SE¼ Section 26 (¼ Sec. and Sec. No.) | 25-S (Twp.) | 35-E (Range) | NMPM (Meridian)

Wildcat (Field) | Lea (County or Subdivision) | New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 3114 ft. (Kelly Bushing)

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)

RECAP OF WELL HISTORY TO DATE:

PRESENT TOTAL DEPTH: 5130' in Delaware Sand.

PRESENT STATUS: Reaming 8-3/4" hole to 12-1/4" at 4017'. Hole was originally reduced from 12-1/4" to 8-3/4" at TD 3713'.

METHODS OF DRILLING: Cable Tools from surface to 970'. Rotary from 970' to 5130'.

(Continued on Sheet -2-)

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

Company GENERAL AMERICAN OIL COMPANY OF TEXAS

Address Box 416, Loco Hills, New Mexico

By R. V. Heard, R. V. Heard

Title Field Supt.

U. S. GOVERNMENT PRINTING OFFICE 16-8437-4

RECAP OF WELL HISTORY TO DATE (Continued):

GEOLOGICAL MARKERS (Depths from top of Kelly Bushing):
Top Rustler: 714' (+2400', by Cable Tool Samples).
Top Salado: 941' (+2173', by Cable Tool Samples).
Top Castile: 2870' (+244', by Schlumberger).
Salt breaks in Castile: 3237-94' (-123' to -180', by Schlumberger).
3533-56' (-419' to -442', by Schlumberger).
4197'-4500' (-1083' to -1386', by Schlumberger).
Top Delaware Lime: 5019' (-1905', tentative by Schlumberger).
Top Delaware Sand: 5112' (-1998', by drilling time).

WATER ZONES (Depths from top of Kelly Bushing):
Show Salt Water: 884-97' (+2230' to +2217', by Cable Tool Driller. Bailed at rate of 172 BWPD.
Show Salty Sulpher Water: 3077-84' (+37' to +30', by Schlumberger. (Fair flow gradually diminishing to very slight flow. Flow killed upon mudding up at TD 5130').
NOTE: No potable water encountered while drilling with Cable Tools from surface to 970' (37' into Salado Formation).

WE PROPOSE TO CHANGE 9-5/8" OD CASING PROGRAM AS FOLLOWS:

Since several salt stringers were encountered in the Castile Formation it is proposed to ream hole to 12-1/4" to 5085' (approximately 65' into Delaware Lime) and set 9-5/8" OD casing at this point and cement with 210 sacks of cement (125% of calculated volume required to fill annulus to base of last salt stringer logged at 4500'). A temperature survey will be run to determine the top of this cement within twelve hours after completion of cement job.

In the event that commercial production is obtained the following cement squeeze jobs will be made on 9-5/8" OD casing string:
At depth of 3150' will squeeze 100 sacks cement (125% of calculated volume required to fill annulus thru sulpher water zone to base of Salado Formation).
At depth of 950' will squeeze 75 sacks cement (125% of calculated volume required to fill annulus to a point 200' above top of Salado Formation).
Temperature surveys will be run within twelve hours after completion of cement jobs to determine top of cement in each of these cases.

In the event that hole is dry 9-5/8" casing will be knocked off and pulled from 4475'. Hole will be filled with heavy mud and the following cement plugs (in addition to any others that later may be deemed necessary below present total depth of 5130') will be spotted.
At depth of 3135' will spot 100 sacks of cement.
At depth of 950' will spot 100 sacks of cement.