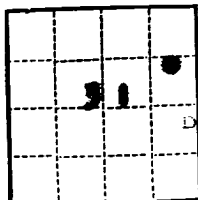


APPROVED

(SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-R258.4  
Approval expires 12-31-60.Land Office **LAS CRUCES**Lease No. **003483**

Unit \_\_\_\_\_



MAY 9 1960

E. W. STANLEY  
DISTRICT ENGINEER

UNITED STATES

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	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.....	NOTICE TO RE-ENTER PREVIOUSLY DRILLED WELL, RE-DEPTH & RE-COMplete WELL.....

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

MAY 7, 1960

Well No. **3** is located **1900** ft. from **N** line and **660** ft. from **E** line of sec. **31**  
**SE 1/4 NE 1/4 Section 31 T5S R30E N.M.P.M.**  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**SAN JUAN ANDRES** **LEA** **NEW MEXICO**  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **3929** ft. Est. (OL: 3927 ft.)

## DETAILS OF WORK

On or before May 31, 1960, (Indicate above 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)

**SOUTHWESTERN HYDROCARBON Co.** plans to re-enter the previously drilled **George P. Livermore No. 1 Crosby-Federal**, a open hole completion and shut-in gas well. **SOUTHWESTERN** will attempt to re-complete this well for one capable of producing gas and associated hydrocarbons in commercial quantities. It is our plan to re-run **2" EUE J-55** tubing to **10-to-20** ft. off bottom and re-test pay zone open hole. **NOTE-** Previous operator ran oil string to **1210** feet and subsequently failed-in with cable tools to TD of **1277** ft. If our open hole flow test proves to be non-commercial, it is our plan to re-log open hole portion of well with radio-active and/or electric logs to re-evaluate **San Andres** permeability. Should such an evaluation indicate not enough permeability previously drilled, it will be our intention to drill out to **3000** feet, set liner (**4" OD**) across open hole portion to new TD, circulate cement to bottom and up across pay zone, selectively perforate prospective pay zone, and acidize through perforations w/approx. **7500** gallons of regular acid.

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

**SOUTHWESTERN HYDROCARBON COMPANY**

Company \_\_\_\_\_

**P. O. DRAHER 1/287**

Address \_\_\_\_\_

**MIDLAND, TEXAS**

By \_\_\_\_\_

**J. A. SHELTON**

Title **Agent & Geological Consultant**