



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Land Office **Santa Fe**
Lease No. **081102**
Unit **None**

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	X
NOTICE OF INTENTION TO ABANDON WELL		

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

July 8, 1957

Gov't Walker

Well No. **1** is located **660** ft. from **{N}** line and **1980** ft. from **{E}** line of sec. **5**

C NW 1 NE 1 Sec. 5 **26N** **12 E** **100W**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Undesignated **San Juan** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5898' Ground Level**
5910' St. 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)

An 8-3/4" hole was drilled from 231' to 4969'KB. The interval from 4969-5063 1/2' was cored. DST #1: 5011-53 1/2, open 60 minutes, shut in 30 minutes; tool open with good blow continuing throughout test. Recovered 1930' fluid; top part very heavily gas-cut drilling mud with rainbow of oil, becoming slightly more gas cut and oily at bottom. IFP - 660; FFP - 940; SIP - 1800. The cored interval was reamed to 8-3/4 and 8-3/4" hole was carried to TD of 5100'KB.

5 1/2" casing was set at 5099'KB and cemented with 100 sacks 50% Pozmix plus 45 gal and 1/2 lb per sack Floccale added. A temperature survey indicated top of cement at 4451'KB. A Lane Wells gamma ray log was run and the casing perforated with 4 "F" Bullets per foot from 5006 - 5034' (Lane Wells measurements). The perforated interval was treated with sand-oil frac as follows: broke formation at 1800 PSI; pumped in 48,000 gallons crude

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

(cont.)

Company **The Frontier Refining Company**

Address **4940 East Louisiana Avenue**

Denver 22, Colorado

By **E. B. Granville**
E. B. Granville
Title **Drilling & Production Supt.**



**Supplementary Well History
Government Walker #1
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mixed with 55,000# 20-40 sand; used 90 balls, 7 stages. Pressures maximum 2300, minimum 2000. Average rate 45 barrels per minute, 40 barrels over-flush.

The load oil was swabbed through the casing for approximately three days, then the same interval was re-perforated with four cone shots per foot. After recovering load oil, this zone swab tested approximately 57 barrels oil per day. The zone was then acidized with 1000 gallons 15% mud acid. After load oil recovery, the zone then swab tested at the rate of 37 barrels oil per day. The zone was re-treated with sand-oil frac using 10 gallons Freflo, 10,000 gallons crude, 10,000# sand; did not use balls. Flushed with 120 barrels crude. Pressures 2500 maximum, 2200 minimum, 41 barrels per minute. Set bridge plug at 5,000'KB; perforated 4967-4997' gamma ray measurements with 4 jets per foot. Treated upper perforations with sand-oil frac using 32,000 gallons crude; 45,000# 20-40 sand; 110 balls in 5 stages; flushed with 120 barrels; pressures 3100 maximum, 2300 minimum, 38 barrels per minute average rate. Upper zone swab tested approximately 94 barrels oil per day. Drilled out bridge plug, recovered all load oil except 78 barrels. Ran 2" KUE tubing set at 5072'KB. Shut well in to await completion of tank battery as of June 30, 1957.

[illegible][illegible][illegible]