



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa FeLease No. I-49-100-52Unit 100 Section 19-29-16

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 REPAIR REPAIR	X
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		
<u>Notice of Intention to Repair</u>	X	

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

Farmington, New Mexico, February 17, 1954

Well No. 13 is located 2050 ft. from N line and 1810 ft. from E line of sec. 19

NE 1/4 of Section 19 T-29-N R-16-W NMPN
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5033 ft. (G.L.)

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)

Well originally completed 10/13/52 in lower Mississippian thru perforations 6930-7030 and potential 147 BO (Gr. 69.5° API @ 60°) X 6IN X 14,900 MCFD (non-inflammable), but in approximately two months water production increased to 300 M X oil production decreased to 10 BO. In later part of March, 1953, well worked over by squeezing perforated interval 6930-7030 w/200 sacks EM Cement. The section from 6930-6980 was re-perforated and acidized w/2000 gallons 15% acid. Well then produced approximately 650 MCF of gas with 9 BOFD X 189 MCF. The section 6930-6980 was later reacidized when production declined with an additional 500 gallons 15% acid with no increase in production. Well subsequently shut-in due to excessive water production. In January, 1954, moved in rotary tools in attempt to shut off water. Three unsuccessful attempts with a total of 600 sacks Trinity Inferno Cement were made to shut-off perforations 6930-6980. The perforations were finally closed after Brandhead squeeze with 12 sacks cement (Cont. on back)

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

Company Shamolin Oil and Gas CompanyAddress Box 1487Farmington, New MexicoBy H. O. JewellTitle Field Superintendent

and 12 sacks Bentonite and 6 Hbl. diesel mixture followed with another 50 sacks cement Broadhead squeeze. The casing was perforated 7050-7054' below the producing zone with 4 shots/ft. The perforations 7050-54' squeezed with 100 sacks. The section 6930-6955 was reperforated with 4 jet shots/ft. and acidized with 500 gallons regular acid. The well was produced for approximately 15 days and averaged 130 BWPD, no oil and 85 MCFD. FTP - 1254, FCP - 1975.

It is proposed to recomplete this well in Pennsylvania as follows:

- (1) Set retainer at approximately 6830 and squeeze perforations 6930-6955 with 150 sacks leaving approximately 50' cement cap above retainer. Perforate intervals 6166 - 6178; 6198 - 6214; 6330-6342; 6380 - 6400; 6514 - 6524; and 6620 - 6632, with two jet shots per foot.
- (2) If stimulation necessary perforations will be acidized selectively.