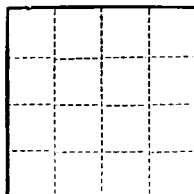


(SUBMIT IN TRIPLICATE)

Land Office Santa Fe  
Lease No. 075233  
Unit Herfano Unit

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.....            | <u>Water frac. &amp; Oil frac.</u>              | <u>X</u> |

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

February 10, 1961

Well No. 113 (SD) is located 900 ft. from N line and 1700 ft. from W line of sec. 33  
W Sec. 33 27-N 10-W N.H.P.M.  
Angel Peak Gallup (Twp.) (Range) (Meridian)  
Angel Peak Dakota Ext. San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5117 ft.

DETAILS OF WORK

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

11-13-60 Total Depth 6548'. C.O.T.D. 6484'. Water fractured Dakota perforated intervals 6418-6434'; with 30,000 gallons water and 20,000 # sand. BDP 3100 #, max pr 4500 #, avg tr pr 4000-4200-4500 #. I. R. 15.5 BPM. Flush 1000 gallons. 200 gal Acid spotted when pumping cement plugs down.  
11-18-60 Total Depth 6548'. C.O.T.D. 5880'. Oil fractured Gallup perforated intervals 5678-5698; 5709-5714'; with 19,000 gallons oil and 17,000 # sand. BDP 1500 #, max pr 4500 #, avg tr pr 4000-4500 #. Injection rate 14 BPM. Sanded off when 12,000 gal oil in & 17,000 # sand. 200 gal Acid spotted when pumping down cement plugs.  
12-3-60 Re-oil fractured Gallup perforated intervals 5678-5698; 5709-5714' with 27,904 gallons oil w/1/2 strength Petro-del, and 30,000 # sand. BDP 2000 #, max pressure 4500 #, average treating pressure 4500-4200 #. Injection rate 12 BPM. Flush 2000 gallons.

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

Company El Paso Natural Gas Company  
Address Box 900  
Farmington, New Mexico  
By Original Signed By: D. H. Ohlson  
Title Petroleum Engineer