



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Santa Fe

Land Office

Sec 20, T-31N, R-12W, N.M.P.M., San Juan  
County, New Mexico

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

OCT 17 1959

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO
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.....		

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

October 20, 1959

Well No. 1 Federal is located 1085 ft. from N line and 4373 ft. from E line of sec. 20  
SW/4 SW/4 20 32N 12W N.M.P.M.  
 (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 6074 ft.

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)

1. Cut off 5 1/2" casing at 2510'. Squeeze top of liner with 175 sx regular cement 1/2 flo-seal on Sept. 19, 1959.
2. Pressure up on top of liner to 2,000 psi on Sept. 20, 1959 - Pressure held.
3. Clean out to Bridge Plug at 7082'. Set Baker Model "D" production packer at 6500' h.k.s. on Sept. 25, 1959.
4. Perf. 2 shots/ft. 4780-4870', 4916-4920', 4931-4951', 4968-4982. Sand-water frac. with 100,000# sand and 84,000 gallons water on Sept. 25, 1959.

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

Company SOUTHERN UNION GAS COMPANY

Address 1001 Burt Building

Dallas, Texas

Original signed by  
VERNON J. LOWE

By Vernon J. Lowe

Title Drilling Superintendent

# MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	271' CL	200			
7-5/8	2686' ID	150			
5-1/2	2510-7183' liner	345			
2"	6948'	Dakota			
1"	4789'	Heavyweight			
PLUGS AND ADAPTERS					
Heaving plug—Material		Length		Depth set	
Adapters—Material		Size			

# SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Part. 7068-7079', 7005-7044', fraced w/14,597 gals. wtr. 12,300' sand, IR-39.9 RPM. Re-fraced w/12097 gals. wtr. 7,000' sand. Set IR @ 7082'. Part. 5948-6948', fraced w/30,189 gals. wtr., 18,000' sand. IR-15.2 RPM. Set Packer @ 6500'. Part. 4780-4982' Fraced w/84,000 gals. wtr., 100,000' sand, dropped 150 rubber balls. IR = 60.2 RPM. Rotary tools were used from 0- feet to 7176' feet, and from feet to feet Cable tools were used from feet to feet, and from feet to feet						

# DATES

September 29, 1959 Put to producing \_\_\_\_\_, 19\_\_\_\_  
 The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ %  
 emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ SIPP 2097# Gallons gasoline per 24 hours \_\_\_\_\_ ft. of gas \_\_\_\_\_  
 (Dual) Rock pressure \_\_\_\_\_ in \_\_\_\_\_ CAOP 554 MCFFD, SICP 1106# (31 days)

# EMPLOYEES

\_\_\_\_\_, Driller  
 Huron Drilling Company  
 \_\_\_\_\_, Driller  
 R. H. Dowlarn  
 \_\_\_\_\_, Driller  
 C. E. Phillips  
 \_\_\_\_\_, Driller  
 E. M. Bunnell

# FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0-	345	345	Surface
345	5407	5062	Sand and shale
5407	5785	378	Sandy shale
5785	7029	1244	Sand and shale
7029	7156	127	Sand
7156	7176	20	Sand and shale
			TOPS: Cliff House 3992' Point Lookout 4782' Muncos 5187' Gallup 6080' Greenhorn 6820' Dakota 6943'