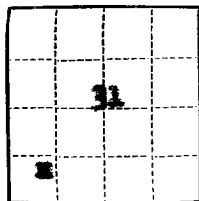


3 - WWS
2 - WWS
1 - State Land Office
1 - L. G. Truby (SUBMIT IN TRIPLICATE)
1 - File

Budget Bureau No. 42-11358.4.
Approval expires 12-31-60.

Land Office Santa FeLease No. 87-079732Unit 14-08-901-913

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.....	X
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)

September 6th, 1958

S.J. 28-4 Unit
Well No. 18-31 is located 990 ft. from [S] line and 990 ft. from [W] line of sec. 31

SW/4 SW/4 Sec. 31 28 North 4 West N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Blanco Mesa Verde Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the ground surface above sea level is 7321 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)

Spudded August 15th, 1958. Set 290.48' of 10-3/4", J-40, 31.75# casing @ 302.48', cemented w/300 sz Portland regular w/3% CaCl₂ plus 1/2 floccule per sz. Volume of cement slurry 244 cubic ft. Approximate temp. of cement slurry when mixed 60°F. Estimated formation temp. 70°F. Estimated strength of cement 2375# per square inch. Cement was in place 12 hrs before test. Tested OK.

Set 4407.24' of 7-5/8", J-55, 26.40# casing @ 4420.24', cemented w/150 sz Portland regular 8# gal w/1/2 floccule per sz and 50 sz w/2% CaCl₂ plus 1/2 floccule per sz. Cement was in place 24 hrs before test. Casing tested OK.

Set 2242.70' of 5-1/2", J-55, 15.50# liner @ 6560.00', Burns: liner hanger @ 4317.90', cemented w/200 sz Portland regular w/1/2 gal plus 1/2 floccule per sz. Cement was in place 16 hrs before test. Pressured to 2000#, held OK.

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

Company PACIFIC NORTHERN PIPELINE CORPORATION

Address 418 1/2 West Broadway

Farmington, New Mexico

By Original signed by Geo. E. Poppin

Title Dist. Production Engineer