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Indian Agency .....

UNITED STATES

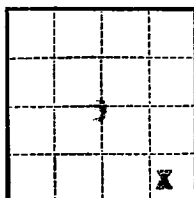
Jicarilla Apache

DEPARTMENT OF THE INTERIOR

Allottee .....

GEOLOGICAL SURVEY

Lease No. 38



## 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 REDRILL OR REPAIR WELL .....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR .....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE .....	SUBSEQUENT REPORT OF ABANDONMENT .....
NOTICE OF INTENTION TO PULL OR ALTER CASING .....	SUPPLEMENTARY WELL HISTORY - Casing .....
NOTICE OF INTENTION TO ABANDON WELL .....	

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

October 3, 1963

ANT Apache "H"  
Well No. 12 is located 700 ft. from ~~N~~<sub>S</sub> line and 915 ft. from ~~E~~<sub>W</sub> line of sec. 5

SE/4 Sec. 5 T23N R5W T1PM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Ballard Pictured Cliffs Rio Arriba New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6590 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 9-13-63. Drilled w/Rotary tools to 308'. Ran 9 joints 8 5/8" casing, landed @ 308' - cemented w/150 sacks regular. Drilled out from under surface casing. Drilled sand & shale to 2125' TD. Ran 67 joints 4 1/2" casing, landed @ 2125'. Cemented w/200 sacks regular. Moved off Rotary 9-19-63. Moved in cable tool rig 9-22-63. Ran Gamma Ray correlation log, corrected PBTD 2093'. Perforated Upper Pictured Cliffs w/Lane Walls from 2026' to 2045', 2 jets/foot (19' 38 holes). Sand-water fraced w/30,000# 20-40 sand, 33,390 gallons CaCl water, 1500# "ADOMITE AQUA" additive and 5 gallons "ADOMALL" additive. Perforated Lower Pictured Cliffs from 2054'-2086' w/2 shots/foot. Sand-water fraced w/30,000# sand, 34,000 gals. water & 5 gals. "ADOMALL" additive & 100 nylon ball sealers. Frac job preceded by pumping in 350 gals. of sol-gel to block off sand fracs of Upper Pictured Cliffs. Ran tubing, snubbing load water on 10-3-63.

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

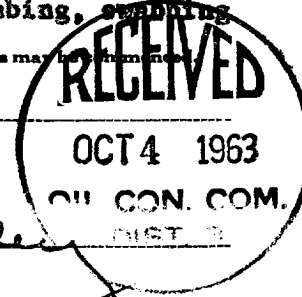
Company Continental Oil Company

Address Box 3312

Durango, Colorado

By H. D. Hale

Title District Manager



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