

(SUBMIT IN TRIPLICATE)
PLAIN OFFICE OCC
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. Northeast Blanco
Unit 079082
Unit Agent No. 1, Sec. 929

8:40

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	Subsequent Report of Sand-Water Frac

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

DAKOTA-MESAVERDE DUAL

June 14, 1960

Well No. 12-18 is located 2500 ft. from N line and 2500 ft. from E line of sec. 18
NE/4 Section 18 30N 7W 101M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Blanco Mesaverde-S. Los Pinos San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6295 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)

On 5/25/60, 500 gals of 7 1/2% MC Acid was spotted on bottom and the Dakota Formation was perforated thru 5" casing with 4 holes per foot 7590'-7598', 7670'-7674', 7705'-7709', 7723'-7733', 7742'-7747' & 7757'-7776'. Sand-water fraced with 55,300 gals. water with 2% calcium chloride & 7# WG-3 per 1000 gallons (including 6300 gals. flush) and 35,000 lbs. sand. Injected 20 rubber balls during treatment. Maximum treating pressure 2650 PSI. Final Pressure 2650 PSI. Average injection rate 31 barrels per minute.

On 5/28/60, set a cast iron bridge plug at 7695' and spotted 500 gals. of 7 1/2% MC Acid on plug. Perforated additional zones in Upper Dakota Formation 4 holes per foot 7603'-7627', 7636'-7642', 7652'-7666' & 7678'-7683'. Sand-water fraced thru all perforations with 44,800 gals. water with 2% calcium chloride & 7# WG-3 per 1000 gals and 42,500 lbs. of sand. Injected 45 rubber balls during treatment. Perforations (Over)

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

Company Blackwood & Nichols Company (Unit Operator)

Address P. O. Box 1237

Durango, Colorado

Original Signed
By by DeLasso Loos DeLasso Loos

Title Field Superintendent

sanded off with 1134 gallons flush in hole. Maximum treating pressure 3300 PSI. Minimum treating pressure 2700 PSI. Final pressure 3300 PSI. Average injection rate 27 barrels per minute.

On 6/2/60, set bridge plugs at 7560' & 5548' and perforated the Point Lookout Zone thru 5" casing with 2 holes per foot 5419'-5427', 5442'-5455', 5480'-5486' & 5514'-5549'. Sand-water fraced with 61,100 gallons water (including 6300 gals. flush) and 37,500 lbs. of sand. Injected 15 rubber balls during treatment. Maximum treating pressure 3000 PSI. Minimum treating pressure 1900 PSI. Final pressure zero PSI. Average injection rate 30 barrels per minute.

Set bridge plug at 5100' and perforated the Cliffhouse Zone thru 5" casing with 2 holes per foot 5054'-5090'. Sand-water fraced with 56,150 gallons of water (including 4200 gals. flush) and 40,000 lbs. of sand. Injected 20 rubber balls during treatment. Maximum treating pressure 1900 PSI. Minimum treating pressure 1700 PSI. Final pressure zero PSI. Average injection rate 37 barrels per minute.

DRILLING OF MOBY

The character of the drilling fluid used was as follows:

(NAME) (ADDRESS OF OPERATOR) (CITY AND STATE)
(FACILITY) (FAC) (STATE) (CITY AND STATE)

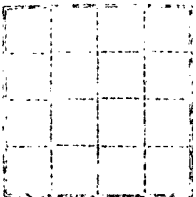


DATE OF DRILLING (M) TIME OF DRILLING (E) NO. OF HOURS (E) NO. OF DAYS (E)

(INDICATE SOURCE OF EACH DRILLING FLUID OR MATERIAL USED IN DRILLING)

DRILLING FLUID TO SOURCE	DRILLING FLUID TO SOURCE
DRILLING FLUID TO SOURCE	DRILLING FLUID TO SOURCE
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STANDARD NOTICES AND RECORDS ON METTS



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