

U. S. LAND OFFICE New MexicoSERIAL NUMBER 013706

LEASE OR PERMIT TO PROSPECT

Unit Agreement No. 1 Sec. 989

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Blackwood & NicholsAddress P.O. Box 1237, Durango, Colorado~~Tract~~ Tract 15Field Blanco Mesaverte State New MexicoWell No. 24-17 Sec. 17 T. 30N R. 7W Meridian NMPNCounty Rio ArribaLocation 480 ft. ^{N.}_{S.} of 2 Line and 2515 ft. ^{E.}_{W.} of 2 Line of Section 17 Elevation 6296'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed De Lasso DE 14889 1003Date June 13, 1955Title Field Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling May 1, 1955 Finished drilling May 22, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3000 to 3180 (G) No. 4, from 5420 to 5550' (G)No. 2, from 3180 to 3390 (G) No. 5, fromNo. 3, from 5030 to 5110 (G) No. 6, from

IMPORTANT WATER SANDS

No. 1, from to No. 3, from

No. 2, from to No. 4, from

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4	28.75	8rd	Natl	173'	Guide	- -	-	-	Surface
7-5/8	26.50	8rd	CF & I	3307'	Float	- -	-	-	Intermediate
5-1/2	15.50	8rd	CF & I	5015'	Float	- -	-	-	Production
2-3/8	4.7	8rd REG	CF & I	5527'		- -	-	-	Taking

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	185'	180	Pump & Plug	Water	Cement Circulated
7-5/8	3399'	200	Pump & Plug	Water	Top of Cement, 2070'
5-1/2	5025'	125	Pump & Plug	Dry	Top of Cement, 3010'
2-3/8	5538'	Production Taking			

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
Well completed by sandfree method						

TOOLS USED

Rotary tools were used from 0 feet to 5560 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

Comp: 5-29, 1955Put to producing Not Connected, 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 4340 MCF Gallons gasoline per 1,000 cu. ft. of gasRock pressure, lbs. per sq. in. 1099 PSI

EMPLOYEES

, Driller , Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	1110'	1110'	San Jose
1110'	2070'	960'	Animas
2070'	2210'	140'	Ojo Alamo SS
2210'	3000'	790'	Kirtland
3000'	3180'	180'	Fruitland SS
3180'	3390'	210'	Pictured Cliffs SS
3390'	4760'	1370'	Lewis Shale
4760'	5030'	270'	Massive Cliffhouse
5030'	5110'	80'	Cliffhouse SS
5110'	5420'	310'	Mamsee Sh
5420'	5550'	130'	Point Lookout SS
5550'	5560	10	Mamsee Shale