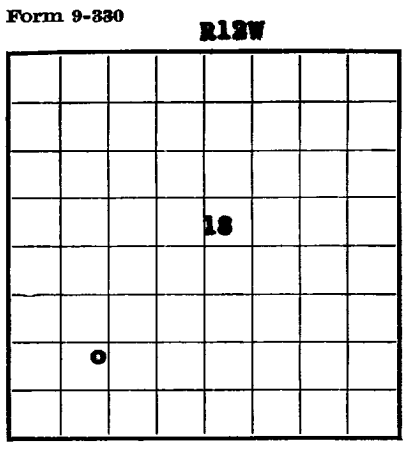
Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078243
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

FILED SEP 12 1956 OIL CON. COM. DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED SEP 11 1956 U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company The New Drilling Co. Address 1018 Patterson Bldg., Denver, Colo.
Lessor or Tract Government-Reid "18" Field Wildcat State New Mexico
Well No. 1 Sec. 18 T. 31N R. 12W Meridian N.M.P.M. County San Juan
Location 990 ft. {N.} of S Line and 953 ft. {E.} of W Line of Section 18 Elevation 5859 KB
(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 Herman High
Date August 8, 1956 Title Production Engineer

The summary on this page is for the condition of the well at above date.
Commenced drilling June 15, 19 56 Finished drilling July 19, 19 56

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4558 G to 4761 No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from None to No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10-3/4	32.75	8	Republic	163	None	None	-	-	Surface Casing
7"	20	8	CF&I	4460	Rector	None	-	-	Intermediate String
5-1/2	15.5	8	CF&I	4850	Baker	None	4558	4761	Production String

HISTORY OF OIL OR GAS WELL

(Describe in detail the dates of commencement, progress and stoppages, with causes, and results of all tests, fishing jobs, jarring and shooting operations, and any other important work done in the well and on the hole. Please state in detail the dates of perforating, fracturing, or treating, and the results before and after such operations. If a drill-stem test is made, state the time, the amount of tool open, and the recovery. If a core is taken, give its size and location. If the well has been abandoned, give date, size, position, and number of plugs used, and the condition of the hole at the time of abandonment. If a dry hole, give the date of abandonment, and the reason therefor. If a producing well is to be abandoned, give date of last production, and the reason for abandonment. If a change of owner is to be made, give name of former owner, and date of change. If any other important work has been done on the well, give date and character of work done, and results obtained. If a change of operator is to be made, give name of former operator, and date of change. If any other important work has been done on the well, give date and character of work done, and results obtained. If a change of operator is to be made, give name of former operator, and date of change. If any other important work has been done on the well, give date and character of work done, and results obtained.)

U. S. GOVERNMENT PRINTING OFFICE 16—43094-3

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	173	125	Pump & Plug	9	Hole Full
7"	4471	200	Pump & Plug	10	Hole Full
5-1/2	4850	50	Pump & Plug	Water	Hole Full

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
40,000 Gals.	Fractured	Perfs.4714-4759		7-23-56		4813
40,000 Gals.	Fractured	Perfs.4558-4644		7-24-56		
30,000 Gals.	Fractured	Perfs.3979-3991		8-19-56		

TOOLS USED

Rotary tools were used from 0 feet to 4850 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

8/6/56, 19 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 3445 MCF (GAOF) Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. ~~1100 P.S.I.~~ 1033 Estimated

EMPLOYEES

Homer Davis, Driller Roy Hetherington, Driller
G. G. Nelson, Driller John Hetherington, Driller
Tool Pusher

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
*Perforations:		4558-4562; 4569-4574; 4588-4608; 4630-4634; 4639-4644; 4714-4719; 4723-4729; 4740-4744; 4751-4759.	
0	370	370	Surface sand and shale
370	394	24	Ojo Alamo Sand
394	650	256	Kirtland Shale
650	1314	664	Farmington series, sand and shale
1314	1708	394	Lower Kirtland Shale
1708	2079	371	Fruitland Shale
2079	2268	189	Pictured Cliff Sand and Shale
2268	3756	1488	Lewis Shale
3756	4761	1005	Mesa Verde Sand and Shale
4761	4850	89	Mancos Shale
Total Depth	4850		
Plug Back Total Depth		4813	

No cores or drill stem tests.

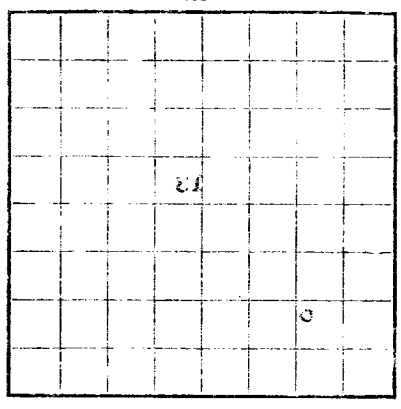
Perforations 3979-3991 was fraced with 30,000 gallons of water and 30,000 pounds of sand. Produced approximately 6 barrels of water per hour. The perforations were squeezed with 150 sacks of cement.

FROM— TO— TOTAL FEET FORMATION
FORMATION RECORD—CONTINUED

Form 9-330

Budget Bureau No. 42-R-355.5
Approval expires 12-31-55.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078213
LEASE OR PERMIT TO PROSPECT



RECEIVED
SEP 12 1956
OIL CON. COM.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The New Drilling Co. Address 1018 Patterson Bldg., Denver, Colo.
Lessor or Tract Government-Reid "B" Field Wildcat State New Mexico
Well No. 1 Sec. 19 T. 31N R. 12W Meridian N.M.P.M. County San Juan
Location 990 ft. N. of S. Line and 990 ft. E. of W. Line of Section 19 Elevation 5859 KB (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

Date August 6, 1956 Title Production Engineer

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

Commenced drilling June 18, 1956 Finished drilling July 19, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4556 G to 4761 No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from None to No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10-3/4	32.75	8	Republic	183	None	None	-	-	Surface Casing
7	20	8	CMI	4460	Reactor	None	-	-	Intermediate

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and results. If there were any changes made in the casing, state fully the nature of the change, "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

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10—48084-8 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	175	125	Pump & Plug	9	Hole Full
7	4471	200	Pump & Plug	10	Hole Full
5-1/2	4530	50	Pump & Plug	Water	Hole Full

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
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30,000 Gals.	Fractured	Perfs.3979-3991		8-19-56		

TOOLS USED

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

DATES

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Rock pressure, lbs. per sq. in. Estimated

EMPLOYEES

Homer Hyde, Driller Driller
G. G. Nelson, Driller Driller
Joe Netherington, Driller Driller
Tool Pusher

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			4578-4588; 4609-4615; 4688-4696; 4830-4834; 4938-4944; 4714-4719; 4723-4729; 4740-4744; 4751-4759.
0	370	370	Surface sand and shale
370	394	24	Ojo Alamo Sand
394	650	256	Kirtland Shale
650	1314	664	Farmington series, sand and shale
1314	1708	394	Lower Kirtland Shale
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Total Depth	4850		
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No core or drill stem tests.

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FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued