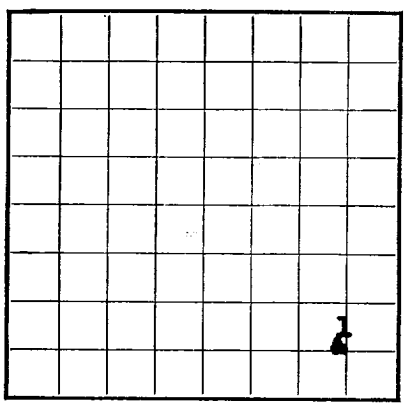
Form 9-330

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

(Nov) Santa Fe, N.M.
U. S. Land Office Las Cruces, N.M.
Serial Number 06918
Lease or Permit to Prospect Lease



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FEDERAL "A" LEASE

LOG OF OIL OR GAS WELL

Company Whaley Company, Inc. Address 1301-2-3 Continental Life Building Fort Worth 2, Texas

Lessor or Tract U.S.A. Federal Field Dagger Draw State New Mexico

Well No. 1 Sec. 15 T. 13-S R. 31-E Meridian N.M.P.M. County Chaves

Location 660 ft. {N./S.} of S. Line and 660 ft. {E./W.} of E. Line of SE/4 of SE/4 Elevation 4,425'
(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 WHALEY COMPANY, INC. By William D. Morris

Date April 1st, 1955 Title President

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

Commenced drilling February 12th, 19 55 Finished drilling March 16th, 19 55

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from [illegible] to [illegible] No. 5, from [illegible] to [illegible]

No. 2, from [illegible] to [illegible] No. 6, from [illegible] to [illegible]

IMPORTANT WATER SANDS

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

No. 2, from [illegible] to [illegible] No. 4, from [illegible] to [illegible]

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8-5/8" OD	24#	8 Round	CPI	1,485'	Larkin	None			
2-3/8" OD	4.7#	8 Round	CPI	3,060	Larkin	None			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1,485'	400 sacks	Halliburton		Circulated Mud Behind Pipe
7" OD	3,084'	500 sacks	Halliburton		Same

FOLD MARK

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

TOOLS USED

Rotary tools were used from 0 feet to 1425' feet, and from ---- feet to ---- feet

Cable tools were used from 1425' feet to 3084' feet, and from ---- feet to ---- feet

DATES

April 1st, 19 55 Put to producing April 1st, 19 55

The production for the first 24 hours was 150 barrels of fluid of which 0 % was oil; 100 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 35° (Est.)

If gas well, cu. ft. per 24 hours x Gallons gasoline per 1,000 cu. ft. of gas x

Rock pressure, lbs. per sq. in. ----

EMPLOYEES

O. E. Woods, Driller Floyd Martin, Driller

O. C. Purcell, Jr., Driller Glen Evans, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	36	36	
0	36	274	Caliche and Lime Rock
36	310	530	Hard Sand and Rock
310	840	200	Red Beds
840	1,040	95	Red Rock
1,040	1,135	217	Red Shale
1,135	1,352	73	Red Beds and Shale
1,352	1,425	5	Red Beds and Anhydrite
1,425	1,430	25	Anhydrite
1,430	1,455	115	Anhydrite and Shale
1,455	1,570	420	Salt and Shale
1,570	1,990	50	Salt and Red Rock
1,990	2,040	45	Salt and Anhydrite
2,040	2,085	70	Salt and Red Beds
2,085	2,155	15	Salt,anhydrite and shale
2,155	2,170	25	Red Shale
2,170	2,195	10	Anhydrite and Salt
2,195	2,205	30	Potash
2,205	2,235	55	Anhydrite and Potash
2,235	2,290	30	Anhydrite and Shale
2,290	2,320	20	Red Shale
2,320	2,340	150	Red Shale (Sandy)
2,340	2,490	255	Anhydrite and Shale
2,490	2,745	20	Anhydrite
2,745	2,765	258	Anhydrite and Shale
2,765	3,023	3	Shale and Anhydrite
3,023	3,026	TOTAL FEET	Lime Cap (Hard)

16—48094-3

(over)

FORMATION RECORD—Continued

Budget Bureau No. 42-R355.3.
Approval expires 12-31-55.

(New) Santa Fe, N.M.
U.S. Land Office Las Cruces, N.M.
Serial Number 059184
Lease or Permit to Prospect Lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

FEDERAL "A" LEASE

LOG OF OIL OR GAS WELL

Company Whaley Company, Inc. Address Fort Worth 2, Texas
1301-2-3 Continental Life Building

Lessor or Tract U.S.A. Federal Field Brickey-Queen State New Mexico

Well No. 2 Sec. 15 T. 15-S R. 31-E Meridian N.M.P.M. County Chaves

Location 330 ft. N of S. Line and 660 ft. E of E Line of SE/4 of SE/4 Elevation 4,427'

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 WHALEY COMPANY, INC. William D. Morris

Date April 1st, 1955 Title President

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

Commenced drilling February 12th, 1955. Finished drilling March 15th, 1955.

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from .... to .... No. 4, from .... to ....
No. 2, from 3,025 to 3,048 No. 5, from .... to ....
No. 3, from .... to .... No. 6, from .... to ....

IMPORTANT WATER SANDS

No. 1, from None to None No. 3, from None to None
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—	To—	Purpose
2-3/8"	4.7#								

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 its results. If there were any changes made in the casing, state fully, and if any casing was "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.

This well was drilled with rotary tools to 1,425', and from 1,425' to 3,048' total depth with cable tools. Custer Drilling Company, San Angelo, Texas, was the Drilling Contractor. All new materials used throughout.

This well was Sandfraced by Dowell Inc. using 5,000 pounds sand and 5,000 gallons lease crude oil and flushed with 523 barrels lease crude oil. oil obtained from Whaley Company, Inc., No. 6 State Lease, being SW/4 of NE/4 Sec. 15, Twp. 15-S, Range 31-E, Chaves County, New Mexico. It quickly recovered load oil and then flowed at rates of between 120 and 180 barrels per day. Gas/oil later estimated at 600,000 cubic feet gas to barrel of oil.

16—43094-2 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
8-5/8"	1,425'	400 sacks	Halliburton		Circulated Mud Behind Pipe
7" OD	3,024'	500 sacks	Halliburton		Same

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

TOOLS USED

Rotary tools were used from 0 feet to 1425' feet, and from .... feet to .... feet

Cable tools were used from 1425' feet to 3048' feet, and from .... feet to .... feet

DATES

April 1st, 1955 Put to producing April 1st, 1955

The production for the first 24 hours was 150 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, °Bé. 35° (Est.)

If gas well, cu. ft. per 24 hours x Gallons gasoline per 1,000 cu. ft. of gas x

Rock pressure, lbs. per sq. in. ....

EMPLOYEES

C. E. Woods, Driller Floyd Martin, Driller
O. C. Purcell, Jr., Driller Glen Evans, Driller

FORMATION RECORD

From—	To—	Total feet	Formation
0	35	35	Caliche and Lime Rock
35	310	274	Hard Sand and Rock
310	840	530	Red Beds
840	1,040	200	Red Rock
1,040	1,135	95	Red Shale
1,135	1,352	217	Red Beds and Shale
1,352	1,425	73	Red Beds and Anhydrite
1,425	1,430	5	Anhydrite
1,430	1,455	25	Anhydrite and Shale
1,455	1,570	115	Salt and Shale
1,570	1,990	420	Salt and Red Rock
1,990	2,040	50	Salt and Anhydrite
2,040	2,085	45	Salt and Red Beds
2,085	2,155	70	Salt, anhydrite and shale
2,155	2,170	15	Red Shale
2,170	2,195	25	Anhydrite and Salt
2,195	2,205	10	Potash
2,205	2,235	30	Anhydrite and Potash
2,235	2,290	55	Anhydrite and Shale
2,290	2,320	30	Red Shale
2,320	2,340	20	Red Shale (Sandy)
2,340	2,490	150	Anhydrite and Shale
2,490	2,745	255	Anhydrite
2,745	2,765	20	Anhydrite and Shale
2,765	3,023	258	Shale and Anhydrite
3,023	3,026	3	Cap Rock (Hard)

FORMATION RECORD—Continued

From—	To—	Total feet	Formation
3,026	3,030		
3,030	3,048	18	
	3,048		Total depth

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