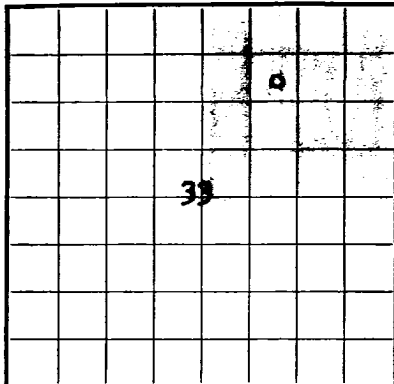
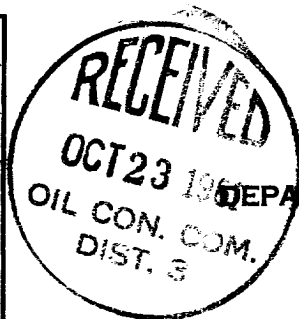


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 079352-A
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shar-Alan Oil Company Address 1402 Denver U.S. National Center
 Lessor or Tract Harrington-Federal Field Undesignated State Denver 2, Colorado
 Well No. 2 Sec. 33 T. 24N R. 14W Meridian NMPM County Rio Arriba
 Location 1165 ft. N of N Line and 1650 ft. E of E Line of NE 1/4 Elevation 7363
 (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 Richard S. Hunt
Date October 4, 1961
Title Mgr., Lands and Exploration

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

Commenced drilling November 9-----, 1960 Finished drilling November 14-----, 1960

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

No. 1, from ~~3054~~ to ~~3072~~ 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 ~~2704~~ to ~~2968~~ 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		Purpose
							From—	To—	
1*	2.5#	8V		3040*					
HISTORY OF OIL OK 2V2 METT									
							FD-3067-3	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
3 5/8	105'	100	Haliburton		
4 1/2	3100'	100	Haliburton		

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 311 feet, and from _____ feet to _____ feet

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

DATES

April 29 -----, 19 61 The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- % emulsion; ----- % water; and ----- % sediment. If gas well, cu. ft. per 24 hours ----- Rock pressure, lbs. per sq. in. -----	Put to producing Shut-in, no pipeline ¹⁹ ----- Gravity, °Bé. ----- Gallons gasoline per 1,000 cu. ft. of gas -----
---	---

EMPLOYEES

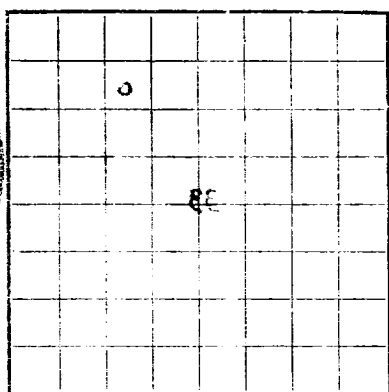
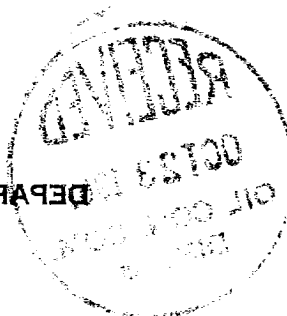
Rayco Drilling Company _____, Driller
Farmington, New Mexico _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Ojo Alamo	2704'		Subject well perforated 4-29-61, 3054'-72' with 5 1/2 holes. Fraced with 30,000# sand, 39,060 gallons water. Breakdown pressure 1800# PSI. Treatment pressure 1300# PSI. Injection rate 39.7 BPM. Ran 1" tubing to 3040'. Took 3 hour back pressure test <u>7-22-61</u> . Tested 2700 MCFD. Well shut-in, no pipeline.
Kirtland	2958'		
Fruitland	3034'		
Pictured Cliffs	3060'		
Pictured Cliffs Pay	3054-3072'		
2 Prints of Electric log mailed under separate cover.			
FROM—	TO—	TOTAL FEET	FORMATION

LEAD OR PERMIT TO PROSPECT
SERIAL NUMBER
U. S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 _____

Location of _____ of _____ Line and _____ W. _____ of _____ Line of _____ Elevation _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____ State _____

Lessor or Trust _____

Company _____

Address _____

Compressed drilling _____ 19____
The summary on this page is for the condition of the well at above date.
Date _____ 19____

OIL OR GAS SANDS OR ZONES

(I) (b) (7)(D)

No. 1, from ~~to~~ to

No. 2, from ~~to~~ to

No. 3, from ~~to~~ to

No. 4, from ~~to~~ to

No. 5, from ~~to~~ to

No. 6, from ~~to~~ to

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____

CASING RECORD

Casting Size	Weight Per foot	Threads Per inch	Mark	Amount Kind of shoe	Cut and drilled from	Perforated From To	Purpose
of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. marked or left in the well, give size and location. If there has been dynamited, give date, size, position, and number with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if casing was and to state a complete history of the well. Please state in detail the dates of re-drilling, together							

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

SLUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

[illegible]

TOOLS USED

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

DATES

Rock pressure, lbs. per sq. in.	
It gas well, cu. ft. per 24 hours	
Emulsion: % water; and % sediment	
Gravity, °Bé	
Gallons gasoline per 1,000 cu. ft. of gas	
Barrels of fluid of which % was oil:	
Put to producing days	

EMPLOYEES

Driller	Driller	Driller	Driller
Driller	Driller	Driller	Driller

FORMATION RECORD

[illegible]

FORMATION RECORD—Continued