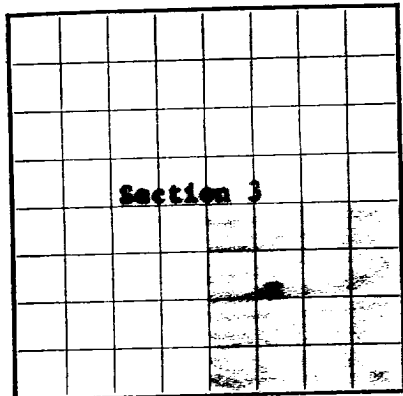
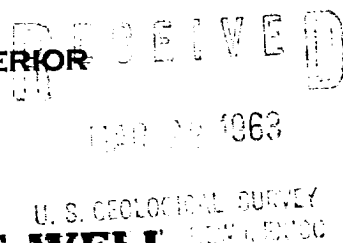


Form 9-330



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shar-Alan Oil Company Address 1402 Denver U. S. National Center
Lessor or Tract Jicarilla "C" No. 156 Field Undesignated PC State New Mexico
Well No. 2 Sec. 3 T. 23N R. 2W Meridian NMPM County Rio Arriba
Location 790 ft. N. of 8 Line and 1850 ft. E. of 1 Line of SE/4 Elevation 7295
(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 Title Mgr. of Land & Explorations
Date March 11, 1963

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

Commenced drilling 11-21-62, 19____ Finished drilling 11-25-62, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2978 to 2983 (G) No. 4, from _____ to _____
No. 2, from 2992 to 3012 (G) No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ 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		Purpose
							From—	To—	
8 5/8"	2.57	8V	CPI	100'	100'	2978	2983	2983	Prod.
4 1/2"	2.57	8V	CPI	100'	100'	2983	3012	3012	Prod.
1 1/4"	2.57	8V	CPI	2983	2983				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	100'	68	Halliburton		
4 1/2"	3068'	75	H"		

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from -0- feet to 3090' feet, and from _____ feet to _____ feet

DATES

_____, 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. _____

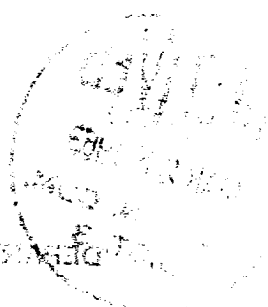
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2565 MCF/d
829 EMPL Back Pressure test run 3-2-63

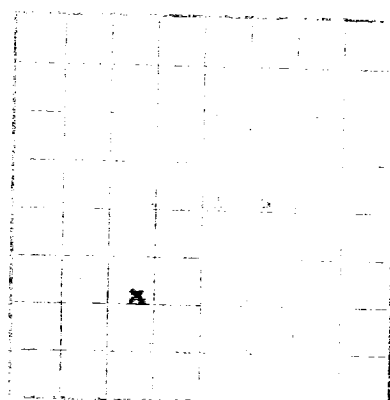
_____, Driller _____, Driller
Rayco Drilling Company, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2600	2810		Ojo Alamo
2810	2924		Kirtland
2924	2974		Fruitland
2974			Pictured Cliffs
3038			Lewis Shale
			Subject well sand-fraced with 40,000 gallons of water and 30,000# sand. Breakdown pressure 1400#. Treatment pressure 1500-2100#. Injection rate 43.0 BPM. Five Minn shut-in pressure 200#.
			3 hr Back Pressure test run 3-2-63 Charts attached.



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



NEW 240 40 40 40 40

[illegible]

CONFIDENTIAL

ON 20 JAN 68

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No. 1 from	No. 1 from	No. 1 from	No. 1 from
No. 2 from	No. 2 from	No. 2 from	No. 2 from
No. 3 from	No. 3 from	No. 3 from	No. 3 from

GENERAL RETAIN TATTERS

(a) $\mathcal{Z}(\mathcal{A}) = \mathcal{Z}(\mathcal{B})$ and $\mathcal{Z}(\mathcal{A}) \neq \mathcal{Z}(\mathcal{C})$ if and only if $\mathcal{A} \sim \mathcal{B}$ and $\mathcal{A} \not\sim \mathcal{C}$.
 (b) $\mathcal{Z}(\mathcal{A}) \neq \mathcal{Z}(\mathcal{B})$ and $\mathcal{Z}(\mathcal{A}) \neq \mathcal{Z}(\mathcal{C})$ if and only if $\mathcal{A} \not\sim \mathcal{B}$ and $\mathcal{A} \not\sim \mathcal{C}$.

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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.

HISTORY OF OIL OR GAS WELL

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

FROM-	TO-	TOTAL FEET	FORMATION
			FORMATION