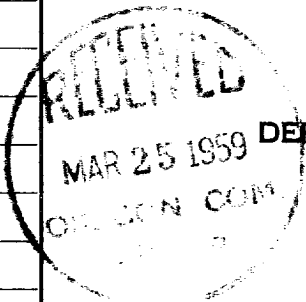
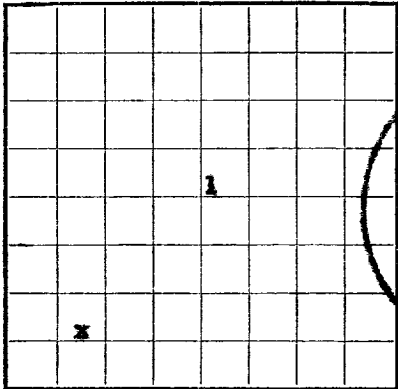


USGS - 5
WJ - 1
File - 1

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.



U. S. LAND OFFICE
SERIAL NUMBER **CONFIDENTIAL #126**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Johnston & Shear** Address **3010 Monte Vista NE, Albuquerque, N. M.**
Lessor or Tract **Jicarilla** Field **Wildcat CR-DK** State **New Mexico**
Well No. **1-1** Sec. **1** T. **24N** R. **4W** Meridian **RUPM** County **Rio Arriba**
Location **220** ft. **N.** of **3** Line and **990** ft. **E.** on **1** Line of **Section 1** Elevation **6903** **ungr**
(Derrick floor relative to sea level) **grnd**

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 **RAY PHILLIPS** **Ray Phillips**

Date **March 20, 1959** Title **Representative**
The summary on this page is for the condition of the well at above date.

Commenced drilling **Feb. 3,** 19 **59** Finished drilling **March 7,** 19 **59**

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

No. 1, from **7312** to **7340** **G** No. 4, from **7504** to **7512** **G**
No. 2, from **7352** to **7360** **G** No. 5, from _____ to _____
No. 3, from **7382** to **7392** **G** 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—	
10-3/4	32.75	8 RD	-	233.5	Howco	-	-	-	Surface
5-1/2	144.15.5	8 RD	-	7524.20	Howco	-	7312	7512	Compl
2-3/8	4.7	8 RD	-	7484	-	-	-	-	-

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	246	425	Howco	-	-
5-1/2	7610	350	Howco	-	-

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 **7695** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 20, 19 **59** Put to producing _____, 19 _____
The production for the first **24** hours was **27.92** barrels of fluid of which **100** % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **51.8 @ 60°**
If gas well, **60** ft. per 24 hours **CAOP 3,180** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **SI TP 1830, SI CP 2154**

EMPLOYEES

John Garrett, Driller **KI** Supt. _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2600	2600	Surface
2600	2768	168	Ojo Alamo
2768	2943	175	Kirtland
2943	3106	163	Fruitland
3106	3173	67	Pictured Cliffs
3173	3960	787	Lewis
3960	4746	786	Chacara
4746	4794	48	Cliff House
4794	5265	471	Manatee
5265	5412	147	Point Lookout
5412	6394	982	Manaos
6394	7232	838	Gallup
7232	7292	60	Greenhorn
7292	7310	18	Graseros Shale
7310	7425	115	Graseros Sand
7425	7695 TD	270	Dakota

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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (a), 10⁷ cells/ml (b), 10⁸ cells/ml (c), and 10⁹ cells/ml (d). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (a), 10⁷ cells/ml (b), 10⁸ cells/ml (c), and 10⁹ cells/ml (d). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (a), 10⁷ cells/ml (b), 10⁸ cells/ml (c), and 10⁹ cells/ml (d). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (a), 10⁷ cells/ml (b), 10⁸ cells/ml (c), and 10⁹ cells/ml (d).

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 balling.

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