

5-USGS

1-MD

1-Sanray Mid-Cont.

1-Sinclair

1-D

1-F

Budget Bureau No. 42-R355.4.

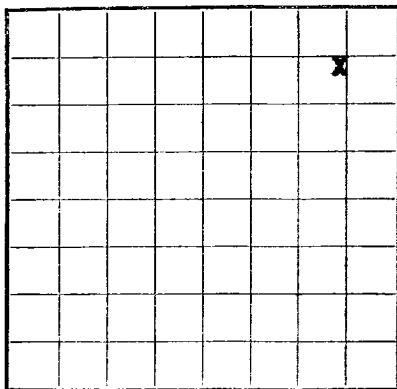
Approval expires 12-31-60.

14-20-603

U. S. LAND OFFICE

SERIAL NUMBER 1444

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Southwest Production Company** Address **207 Petr. Club Plaza
Farmington, New Mexico**
Lessor or Tract **Markes Navajo** Field **Basin Dakota** State **New Mexico**
Well No. **1** Sec. **23** T. **26N** R. **11W** Meridian **NMPN** County **San Juan**
Location **790** ft. **N.** of **S.** Line and **990** ft. **E.** of **W.** Line of **Sec. 23** Elevation **6332** GL
(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. Original signed by
Signed **Carl W. Smith**

Date **8/3/61** Title **Production Supt.**

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

Commenced drilling **6/24**, 19**61** Finished drilling **7/6**, 19**61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **G 6224** to **6244** No. 4, from _____ to _____
No. 2, from **G 6308** to **6316** 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—	
10 3/4	32.80		Lane Star	7 fts.					Surface Production
4 1/2	10.80		ORCA	201 fts.			6224	6316	
1 1/2	1bg. landed @ 6291								

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	210	150	Pump & Plug		
4 1/2	6340	300 (200 sx 50/50 pozmix 4% gel, 100 sx neat 1% halad 9)			

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 **6340** feet, and from _____ feet to _____ feet

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

DATES

Tested **8/1**, 19**61** 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 **2,649** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **3825 AOF, SICP & TP after 7 days 2000#, 3 hr. flow press.**
EMPLOYEES tbq. 211#, csg. 1280#.

C. B. Cagle _____, Driller **S. H. Roberson** _____, Driller

Ira Armstrong _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			Electric Log Tops:
			Ojo Alamo 640
			Pictured Cliffs 1710
			Cliff House 2564
			Menefee 3261
			Point Lookout 4103
			Mancos 4372
			Gallup 5207
			Greenhorn 6059
			Graneros 6117
			Dakota 6220

(OVER)

16-48094-4

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.

[illegible]