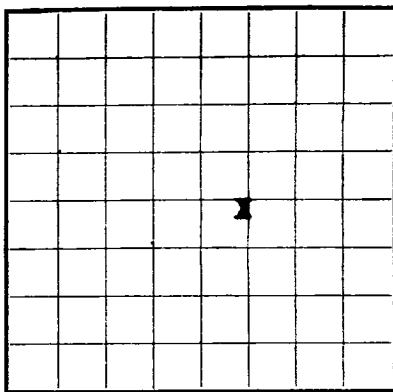


1-Redfern 1-File
1-Rescue
1-Standard of TexasBudget Bureau No. 42-E356.4.
Approval expires 12-31-60.U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **SF 078342**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY.

Company **Redfern & Nord** Address **Box 1747, Wilcox, Texas**
Lessor or Tract **Large Spur** Field **Wilcox** State **New Mexico**
Well No. **1** Sec. **18** T. **24N** R. **6W** Meridian **NMP** County **San Juan**
Location **2150** of **18** Line and **1770** ft. of **18** Line of **Sec 18** Elevation **6540**
(Denote feet below ground 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 _____ Original signed by **T. A. Dugan**
Date **9-18-59** Title **Consulting Engineer**

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

Commenced drilling **7-21-59** Finished drilling **7-25-59**

OIL OR GAS SANDS OR ZONES

(Denote feet by G)

No. 1, from **3470** to **3494** No. 4, from _____ to _____
No. 2, from **3422** to **3434** 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	Apparent	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
9-5/8	32.30	8	100000	100000	100000	100000			
5	25.30	8	100000	100000	100000	100000			
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	242	135	Pump Plug		
5	6650	285	Pump Plug		

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
		See other side				

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ 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. **6,517,000**

81 Csg 1737 psig **CAFE 10,466 MCF**
_____, Driller _____, Driller
Jim Lawrence, Driller **Jack Thornton, Geologist**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2025			Fractured Cliffs
2074			Lewis
3576			Cliff House
3596			Manatee
4202			Point Lookout
4434			Maneas
5350			Gallup
6190			Greenhorn
6241			Iraneros
6272			Dakota
6626			Morrison

FORMATION RECORD—CONTINUED

U. S. LAND OFFICE
SERIAL NUMBER
NAME OF PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

HISTORY OF OIL OR GAS WELL

FORMATION RECORD			
FROM-	TO-	TOTAL FEET	FORMATION
0-10			Shale
10-20			Shale
20-30			Shale
30-40			Shale
40-50			Shale
50-60			Shale
60-70			Shale
70-80			Shale
80-90			Shale
90-100			Shale
100-110			Shale
110-120			Shale
120-130			Shale
130-140			Shale
140-150			Shale
150-160			Shale
160-170			Shale
170-180			Shale
180-190			Shale
190-200			Shale
200-210			Shale
210-220			Shale
220-230			Shale
230-240			Shale
240-250			Shale
250-260			Shale
260-270			Shale
270-280			Shale
280-290			Shale
290-300			Shale
300-310			Shale
310-320			Shale
320-330			Shale
330-340			Shale
340-350			Shale
350-360			Shale
360-370			Shale
370-380			Shale
380-390			Shale
390-400			Shale
400-410			Shale
410-420			Shale
420-430			Shale
430-440			Shale
440-450			Shale
450-460			Shale
460-470			Shale
470-480			Shale
480-490			Shale
490-500			Shale
500-510			Shale
510-520			Shale
520-530			Shale
530-540			Shale
540-550			Shale
550-560			Shale
560-570			Shale
570-580			Shale
580-590			Shale
590-600			Shale
600-610			Shale
610-620			Shale
620-630			Shale
630-640			Shale
640-650			Shale
650-660			Shale
660-670			Shale
670-680			Shale
680-690			Shale
690-700			Shale
700-710			Shale
710-720			Shale
720-730			Shale
730-740			Shale
740-750			Shale
750-760			Shale
760-770			Shale
770-780			Shale
780-790			Shale
790-800			Shale
800-810			Shale
810-820			Shale
820-830			Shale
830-840			Shale
840-850			Shale
850-860			Shale
860-870			Shale
870-880			Shale
880-890			Shale
890-900			Shale
900-910			Shale
910-920			Shale
920-930			Shale
930-940			Shale
940-950			Shale
950-960			Shale
960-970			Shale
970-980			Shale
980-990			Shale
990-1000			Shale