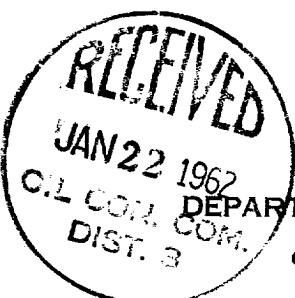


$E/2$ $E/2$

○

Sec. 10

Sec. 11



U. S. LAND OFFICE - Santa Fe
SERIAL NUMBER - 080724-4
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
PRIOR
JAN 19 1962

U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

LOG OF OIL OR GAS WELL

Company SOUTHERN OIL PRODUCTION CO. Address P.O. BOX 308-Farrington, N.M.
Lessor or Tract Zachary Field Basin Dakota State New Mexico
Well No. 12 Sec 11 T. 28N R. 10W Meridian NMPM County San Juan
Location 794 ft. NE of N Line and 805 ft. E of W Line of Section 11 Elevation 5650
(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 G. D. Noland Jr.
Date January 15, 1962 Title G. D. Noland, Jr., Sr. Supt.

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

Commenced drilling 11/29, 19 61 Finished drilling 12/26, 19 61

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

No. 1, from 6392 to 6412 G No. 4, from 6230 to 6240 G
No. 2, from 6372 to 6280 G No. 5, from _____ to _____
No. 3, from 6296 to 6312 G No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

Size casting	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	J-55	100	Ball	100			Production
8 5/8	21.50	8 rd	J-55	100	Ball	100			Production
4 1/2	10.50	8 rd	J-55	100	Ball	100			Production
2 3/5	4.70	8 rd	J-55	100	Ball	100			Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	206 IG	200 sacks	circ		
5/8	1047 IB	250 sacks	Pump plug		
1/2	0405 IG	1150 cu. ft.	Circ. (1st. stage w/150 cu. ft. 20% Bimol "P")		
3/8	6312 IB	Collar & 2030'	Stage 2nd stage w/1000 cu. ft. 20% Bimol "P")		

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
Perf. 4 shots / ft. 6372-6412, 6372-6200.					Sand water frac w/30,000 20-lb sand & 750 bbls water.	
Perf 1 shots / ft 6296-6312.					Sand water frac w/30,000 20-lb sand & 550 bbls water.	
Perf 1 shots / ft. 6236-6240.					Sand water frac w/20,000 20-lb sand & 350 bbls water.	

TOOLS USED

Rotary tools were used from 0 feet to 6.05 feet, and from - feet to - feet
Cable tools were used from - feet to - feet, and from - feet to - feet

DATES

January 7, 1962 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 25,600 cu. ft. Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. CA08-7217-2-1

EMPLOYEES

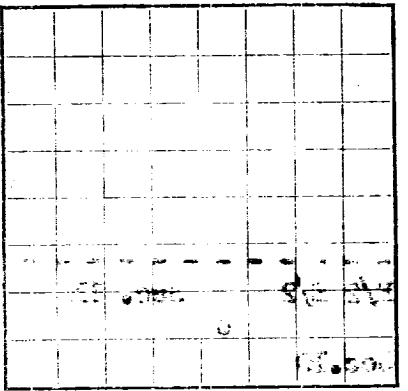
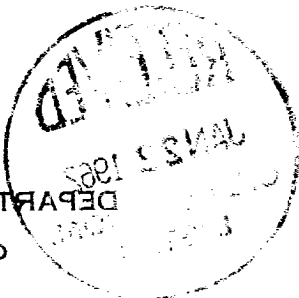
Huron Drilling Co.	, Driller	H. W. Leach, Jr.	, Driller
Wayne Hanson	, Driller	Seldon McShum	, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1310	1310	Tertiary Sds & shales
1310	1634	324	Kirtland shale
1634	1836	202	Fruitland Sd, sh, & coal
1836	1890	54	Pictured Cliffs SS
1890	3498	1608	Lewis Shale
3498	4398	900	Mesa Verde SS, shale & coal
4398	5347	949	Mancos Shale
5347	6124	777	Gallup Siltstone & shale
6124	6174	50	Greenhorn Lgy shale
6174	6226	52	Graneros Shale
6226	6480	254	Dakota sand & shale
6480	6487	7	Morrison shale
			Tops: PC 1836
			RMV 3498
			Gallup 5347
			Kd. 6236

U.S. Land Office
Serial Number
Lease or Permit to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Name
Lessor or Trust
Well No.
Location
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
Date

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

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

No. 1, from
No. 2, from

CASING RECORD

Casing size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
							From - To -	

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Casing size	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

PLUGS AND ADAPTERS

Adapter - Material	Size	Length	Depth set

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from
Cable tools were used from

DATES

The production for the first 24 hours was
emulsion; % water; and % sediment.
If gas well, cu. ft. per 24 hours
Rock pressure, lbs. per sq. in.
Gallons gasoline per 1,000 cu. ft. of gas
Gravity, °Bé.
% was oil; %
Put to producing
19

EMPLOYEES

Driller
Driller

FORMATION RECORD

FROM -	TO -	TOTAL FEET	FORMATION

FORMATION RECORD—Continued