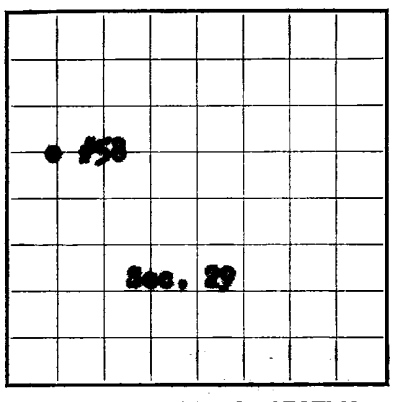
Form 9-330

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

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029395-b
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED
MAR 2 1960
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
MAR 31 1960
O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company Sinclair Oil & Gas Company Address 520 E Broadway, Hobbs, New Mexico

Lessor or Tract Turner "B" SP Field Wildcat State New Mexico

Well No. 58 Sec. 29 T. 17S R. 31E Meridian NMPM County Eddy

Location 1650 ft. {N. / S.} of N Line and 660 ft. {E. / W.} of W Line of Sec. 29 Elevation 3614
(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 [illegible]

Date March 23, 1960 Title Dist. Supt.

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

Commenced drilling August 27, 1959 Finished drilling December 14, 1959

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from None to No. 4, from to

No. 2, from to 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 From—	Perforated To—	Purpose
13-3/8	35.6	Rd. Rd.	Armco	230	Reg.				Surface
9-5/8	36 lb	8R	Ind. Sp.	3825	Reg.				Intermediate
5-1/2	17	8R	N-80	9900	Reg.		9763	9765	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	230	300	Halliburton		
9-5/8	3825	2500	"		
5-1/2	9900	150	"		

FOLD MARK

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
None						

TOOLS USED

Rotary tools were used from 0 feet to 13714 feet, and from feet to feet

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

DATES

, 19 Put to producing Shut In - Held for Future development, 19

The production for the first 24 hours was 0 barrels of fluid of Dry Hole % 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.

EMPLOYEES

W. K. Barnett, Driller Bob Burk, Driller

Virgil Lyons, Driller L. P. Richardson, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	230	230	Surface
230	581	351	Redbed & Anhydrite
581	1349	768	Anhydrite & Salt
1349	2566	1217	Anhydrite & Gyp
2566	2919	353	Anhydrite, Gyp & Sand
2919	2956	37	Anhydrite, Sand & Lime
2956	2994	38	Anhydrite & Lime
2994	3099	105	Anhydrite, Lime & Gyp
3099	3196	97	Anhydrite & Lime
3196	3377	181	Lime
3377	3559	182	Lime & Anhydrite
3559	4373	814	Lime
4373	4969	596	Lime & Chert
4969	5510	541	Lime
5510	5640	130	Lime & Chert
5640	5826	186	Lime
5826	5945	119	Lime, Sand & Chert
5945	6026	81	Lime
6026	6501	475	Lime, Sand & Chert
6501	7639	1138	Lime & Chert
7639	10302	2663	Lime & Shale
10302	11940	1638	Sandy Lime & Shale
11940	13001	1061	Lime & Chert
13001	13165	164	Lime & Dolomite
13165	13210	45	Dolomite & Chert
13210	13714 TD	504	Dolomite & Sand

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			GEOLOGICAL TOPS
			Yates 1521 ≠ 2123
			7 Rivers 1880 ≠ 1764
			Queen 2522 ≠ 1122
			Grayburg 2909 ≠ 735
			San Andres 3333 ≠ 311
			Glorieta 5020 - 1376
			Tubbs 6552 - 2908
			Wolfcamp 8600 - 4756
			Pennsylvanian 9624 - 5780
			Strawn 10515 - 6871
			Atoka 10754 - 7110
			Miss. 11890 - 8246
			Woodford 12365 - 8721
			Devonian 12622 - 8778
			Montoya 13160 - 9516
			Simpson 13440 - 9796
			Kilmichael 13572 - 9928
			Granite 13705 - 10061
			(Ground Level Elevation: 3644)

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

HISTORY OF OIL OR GAS WELL

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.

12-12-59 13714 Total Depth. Ran 9900' of 5-1/2" OD Casing, 150 sks cement.

12-21-59 9845PB. Bullet perforated 5-1/2"Csg f/9759-9767 w/4 holes per foot. Ran 2" tubing to 9749 w/Halliburton Packer @ 9683 to swab & test. Swabbed 40 bbls load oil, swabbed dry - no show oil.

12-22-59 Acidized perfs 9759-67 w/500 gals mud acid. Max Press 4800#.

12-23-59 Acidized perfs 9759-67 w/10000 gals LST acid. Max Press 5900, Min Press 5600.

12-27-59 Acidized perfs 9759-67 w/20000 gals LST acid. Max Press 5750, Min Press 5050. Swabbed & tested 52 bbls sulphur water in 3 hrs. Pulled tbg & packer.

12-30-59 Set Baker CI Drillable Cement Retainer @ 9725'. Squeezed off perfs 9759-67 w/300 sks cement.

1-1-60 Drilled out retainer & cement to 9845'.

1-2-60 Perforated 5-1/2"Csg @ 9765 w/2 3/16" holes & @ 9763 w/2 3/16" holes.

1-3-60 Ran 2"tubing to 9749' w/Halliburton Packer @ 9683'. Acidized perfs 9763-65 w/500 gals breakdown acid. Max Press 6000#, Min Press 6000#.

1-4-60 Acidized perfs 9763-65 w/10000 gals LST acid. Max Press 6000, Min Press 5500.

1-6-60 Swabbed & tested 7 bbls new 38 gravity oil & 13 bbls acid water in 5 hrs. Well shut in- unable to develope commercial production.

1-7-60 Set 10 sack cement plug in 5-1/2"OD Casing from 9845' to 9757'. Filled hole with heavy mud. Well Shut In - Held for future development as water injection well.

SINCLAIR OIL & GAS COMPANY
Turner "B" SP Unit #98 (Lea Grants 089385(b)) Eddy County, New Mexico
1650 ft s/North line and 660 ft s/West line of Sec 29-17S-31E

RECORD OF DRILL STEM TEST

DST #1 5590-5640 Glorieta 5/8"bottom & 1"top choke. No water blanket. Tool open 1½ hrs. Opened w/weak blow increasing to strong blow in 3 mins throughout test. Recovered 180 ft. drilling mud & 760 ft sulphur water. IFP 180#, FFP 500#, 30 min SIP 1780#, Hydrostatic in & out 2660#. Bottom hole temp. 130 deg.

DST #2 7384-7431 Abo 5/8"bottom & 1"top choke. No water blanket. Open 1½ hrs. Opened w/weak blow increasing to strong blow in 45 mins. Gas to surface in 43 mins. TSTM. Recovered 58' drlg mud, 314 ft water cut oil, 96' free 30 grvty oil & 90' sulphur water. IFP 120#, FFP 240#, 15 min SIP 2810#, XXXXXX ISIP & FSIP 2350#. Hydrostatic in 3430, out 3430.

DST #3 7460-7484 Abo 5/8"bottom & 1"top choke. No water blanket. Open 1½ hrs. Opened w/weak blow increasing in 15 mins throughout test. Recovered 63' sulphur water & 61' slightly oil cut drlg mud. IFP-Zero, FFP 90#, ISIP-Zero, 30 min SIP 2800#, Hydrostatic in & out 3500#, Temp. 160 deg.

DST #4 7560-7634 Abo 5/8" bottom & 1"top choke. No water blanket. Open 1½ hrs. Opened w/strong blow decreasing at end of test. Gas to surface in 13 min. (TSTM). Recovered 7416' slightly oil & gas cut sulphur water. IFP 1235, FFP 2925, 15 min SIP 2970. 30 min SIP 2985. Hydrostatic in & out 3515#. Temp 112 deg.

DST #5 7815-7840 Abo 5/8"bottom & 1"top choke. No water blanket. Open 1½ hrs. Strong blow immediately decreasing to fair blow in 13 mins. Gas to surface in 32 mins. TSTM. Recovered 20' oil & gas cut mud. 369' oil & gas cut sulphur water. 1086' salty sulphur water. IFP 130#, FFP 685#, 15 min SIP 3140#, 30 min SIP 2685#, Hydrostatic in & out 3615#. Temp 116 deg.

DST #6 8180-8210 Abo 5/8"bottom & 1"top choke. No water blanket. Open 1½ hrs. Opened w/strong blow decreasing to fair blow in 45 mins. Recovered 43' heavy oil & gas cut drlg mud. 465' oil & gas cut sulphur water. IFP 105#, FFP 270#, 15 min ISIP 3105, 30 min FSIP 2995, Hydrostatic in & out 3930. Temp 114 deg.

DST #7 9770-9790 Pennsylvanian 5/8"bottom & 1"top choke. No water blanket. Open 1½ hrs. Opened w/strong blow thru throughout test. Gas to surface in 8 mins. Tested 37 mcf per day. Recovered 319' of 40 grvty oil & 30' heavy oil & gas cut drlg mud. IFP 70#, FFP 150#, 30 min SIP 3395#, Hydrostatic pressure 4875#. Temp. 122 deg.

DST #8 11030-11051 Atoka 5/8"bottom & 1"top choke. 1100' water blanket. Open 1 hr. Opened w/slight blow & died in 5 mins. Recovered 1100' water blanket & 30' drilling mud. No show oil or gas. IFP 522, FFP 522, 30 min SIP 710. Hydrostatic 5341. Temp. 140 deg.

DST #9 12415-12439 Devonian 5/8"bottom & 1"top choke. 2439' water blanket. Tool open 1 hr & 15 mins. Opened w/weak blow immediately increasing to fair blow in 5 mins. Steady throughout test. Recovered 2439' water blanket. 90' drlg mud and 360' salty sulphur water. IFP 1200#, FFP 1300#, 15 min SIP 5200#, 30 min SIP 5000#, Hydrostatic in 6350#, out 6200#, Temp. 171 deg.

DST #10 13639-13714 Ellenburger. 5/8"bottom &1" top choke. 3714' water blanket. Open 30 min Weak blow for 5 mins & died. Recovered 3714' water blanket & 30' drlg mud. No oil, gas or water. IFP 1805, FFP 1805, I 15 min SIP 5205, Final 30 min SIP 4165. Temp. 174 deg.