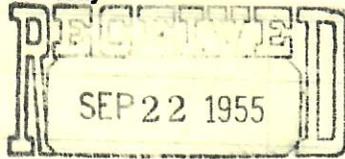




Locate Well Correctly



File in triplicate on Fee and Patented lands and in quadruplicate on State and School lands, with
OFFICE OF DIRECTOR
OIL AND GAS CONSERVATION COMMISSION,
STATE OF COLORADO

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OIL & GAS CONSERVATION COMMISSION

LOG OF OIL AND GAS WELL

Field Cliff County Logan Company T. & T. Oil Company
 Lease UPRR - Casement Address National Oil Bldg., 609 So. Grand Ave., Los Angeles 17, Calif.
 Well No. 4 Sec. 33 Twp. 12N Rge. 54W Meridian 6 P.M. State or Pat. Pat.
 Location (N) Ft. (S) of _____ Line and _____ Ft. (W) of _____ line of _____ Elevation 4453
 (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 E. W. Olson
 Title Petroleum Counselor

Date September 15, 1955

The summary on this page is for the condition of the well as above date.
 Commenced drilling August 20, 1955 Finished drilling August 26, 1955

OIL AND GAS SANDS OR ZONES

No. 1, from 5390 to 5425 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	WT. PER FOOT	MAKE	WHERE LANDED	NO. OF SKS. CEMENT	STOOD HOURS	PRESSURE TEST PSI
9-5/8		Lapweld	228	175	36	500
5-1/2	15.5	Spang	5550	175	40	750

COMPLETION DATA

Total Depth 5550 ft. Cable Tools from _____ to _____ Rotary Tools from 0 to 5550
 Casing Perforations (prod. depth) from 5414 to 5420 ft. No. of holes 36
 Acidized with _____ gallons. Other physical or chemical treatment of well to induce flow None
 Shooting Record -

Prod. began Sept. 2, 1955. Making 234 bbls./day of _____ A. P. I. Gravity Fluid on _____ Pump
 Tub. Pres. 50 lbs./sq. in. Csg. Pres. 50 lbs./sq. in. Gas Vol. _____ Mcf. Gas Oil Ratio Unknown Choke.
 Length Stroke 54 in. Strokes per Min. 14 Diam. Pump 1-3/4 in.
 B. S. & W. 2/10 % Gas Gravity _____ BTU's/Mcf. _____ Gals. Gasoline/Mcf. _____

WELL DATA

Indicate (yes or no) whether or not the following information was obtained.
 Electrical Log Yes Date August 26, 1955 Straight Hole Survey Yes Type Sperry
 _____ Date _____ 19 _____ Other Types of Hole Survey _____ Type _____
 Time Drilling Record Yes
 Core Analysis Yes Depth 5401 to 5407
5411 to 5424 (Note—Any additional data can be shown on reverse side.)

FORMATION RECORD

Show all formations, especially all sands and character and contents thereof.

FORMATION	TOP	BOTTOM	REMARKS
Shale	0	5390	Shale with lime streaks
"D" Sand	5390	5425	Sand oil and gas productive with shale streaks
Shale	5425	5499	Shale
"J" Sand	5494	5550	Sand with shale streaks, untested

AJJ
DVR
FJK
CPS
HRK
AH
JJD
FILE

(Continue on reverse side)

Produce