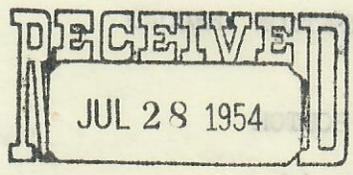


312-3

		21	0

Locate Well Correctly



OIL & GAS CONSERVATION COMMISSION

File in locate on Fee and Patented lands and in quadr. locate on State and School lands, with

OFFICE OF DIRECTOR

OIL AND GAS CONSERVATION COMMISSION, STATE OF COLORADO



LOG OF OIL AND GAS WELL

Field Walker Company J. Ray McDermott & Co. Inc. and Paul F. Barnhart
 County Logan Address Drawer 352, Sterling, Colorado
 Lease Whittier "A"
 Well No. 4 Sec. 21 Twp. 9N Rge. 53W Meridian 6th State or Pat. Pat.
 Location 2310 Ft. (S) of North Line and 1650 Ft. (W) of East line of Sec. Elevation 4152'
 (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.

Date 7-22-54

Signed Paul Speck, Jr.
 Title Dist. Clerk

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

Commenced drilling December 11, 19 53 Finished drilling December 23, 19 53

OIL AND GAS SANDS OR ZONES

No. 1, from 4785 to 4811 "D" sand No. 4, from _____ to _____
 No. 2, from 4888 to 4956 "J" sand 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
<u>10 3/4</u>	<u>29</u>	<u>S W</u>	<u>220</u>	<u>180</u>	<u>48</u>	<u>500</u>
<u>5 1/2</u>	<u>15.5</u>	<u>Smls</u>	<u>4971</u>	<u>300</u>	<u>72</u>	<u>1000</u>

COMPLETION DATA

Total Depth 4971 ft. Cable Tools from _____ to _____ Rotary Tools from 0 to 4971
 Casing Perforations (prod. depth) from 4934 to 4937 ft. No. of holes 12
 Acidized with _____ gallons. Other physical or chemical treatment of well to induce flow _____
 Shooting Record _____

Prod. began 1-9 19 54. Making 66 bbls./day of 38.5 A. P. I. Gravity Fluid on 3/4 Pump
 Tub. Pres. 0 lbs./sq. in. Csg. Pres. 0 lbs./sq. in. Gas Vol. 16 Mcf. Gas Oil Ratio 235 Choke.
 Length Stroke 54 in. Strokes per Min. 15 Diam. Pump 1 1/2 in.
 B. S. & W. _____ % 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 12-21 19 53 Straight Hole Survey Yes Type Totco
 _____ Date _____ 19 _____ Other Types of Hole Survey _____ Type _____
 Time Drilling Record Yes
 Core Analysis Yes Depth 4933 to 4971
 _____ to _____

FORMATION RECORD

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

FORMATION	TOP	BOTTOM	REMARKS
<u>Surface Clay</u>	<u>0</u>	<u>220</u>	
<u>Shale</u>	<u>220</u>	<u>3130</u>	
<u>Shale & Shells</u>	<u>3130</u>	<u>3375</u>	
<u>Shale</u>	<u>3375</u>	<u>3577</u>	

(Continue on reverse side)

Producer

R

FORMATION RECORD

FORMATION	TOP	BOTTOM	REMARKS
Shale & Lime	3577	3765	
Shale & Shells	3765	3985	
Shale	3985	4225	
Lime and Shale	4225	4450	
Shale	4450	4785	
Sand	4785	4811	"D" sand Not productive
Lime and shale	4811	4888	
Sand	4888	4956	"J" sand Oil producing zone
Lime and sand	4956	4971	Total depth

OIL AND GAS BANDS OR ZONES

No. 1 from	No. 2 from	No. 3 from	No. 4 from
to 1888	to 1888	to 1888	to 1888
to 1888	to 1888	to 1888	to 1888
to 1888	to 1888	to 1888	to 1888

IMPORTANT WATER BANDS

No. 1 from	No. 2 from
to 1888	to 1888
to 1888	to 1888

CASING RECORD

WT PER FOOT	MARK	WELLS LAID	NO. OF SECS	HOURS	INTEREST TIME
29	S W	1930	180	48	200
25.5	S L	1931	300	75	1000

COMPLETION DATA

Total depth 1931 ft
 Cable Tools from 1931 to 1931
 Rotary Tools from 0 to 1931
 No. of holes 12

WELL DATA

Indicate (Yes or No) whether or not the following information was obtained:

Core Analysis Yes
 Log Yes
 Date 12-21-32
 Electrical Log Yes
 Hydraulic Fracturing Yes
 Other Types of Hole Survey Yes
 Type of Hole Survey Yes
 Type of Cement Yes

FORMATION RECORD

Show all formations, especially all sands and contains thereof.

FORMATION	TOP	BOTTOM	REMARKS
Surface Clay	0	220	
Shale	220	2130	
Shale & Shells	2130	2375	
Shale	2375	2577	