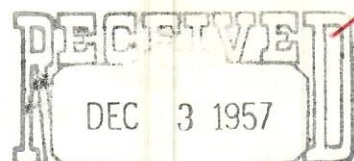




00621875

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO

WELL COMPLETION REPORT

CONSERVATION COMMISSION

INSTRUCTIONS

Within thirty (30) days after the completion of any well, the owner or operator shall transmit to the Director three (3) copies of this form, for wells drilled on Patented or Federal lands and four (4) copies for wells drilled on State lands. Upon request, geological information will be kept confidential for six months after the filing thereof.

Field Atwood East Operator Rock Island Refining Corporation
County Logan Address 717 Colorado Building
City Denver 2, State Colorado

Lease Name H. Brotzman Well No. 1 Derrick Floor Elevation 3990'
Location Southeast Quarter Section 23 Township 7N. Range 53W. Meridian 6th
(quarter quarter)
330 feet from S Section line and 330 feet from E Section Line
N or S E or W

Drilled on: Private Land ☒ Federal Land ☐ State Land ☐
Number of producing wells on this lease including this well: Oil 1; Gas

Well completed as: Dry Hole ☐ Oil Well ☒ Gas Well ☐

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 November 27, 1957

Signed L. B. Schwartz
Title District Manager

The summary on this page is for the condition of the well as above date.
Commenced drilling November 10, 1957 Finished drilling November 15, 1957

CASING RECORD

SIZE	WT. PER FT.	GRADE	DEPTH LANDED	NO. SKS. CMT.	W.O.C.	PRESSURE TEST	
						Time	Psi
8 5/8"	28#		248'	250	24 hrs.		
5 1/2"	15.5#		4478'	125	1 week		

CASING PERFORATIONS

Type of Charge	No. Perforations per ft.	Zone	
		From	To
McCullough bullets	4	4438	4439

TOTAL DEPTH 4483' PLUG BACK DEPTH

Oil Productive Zone: From 4433' To 4446' Gas Productive Zone: From --- To ---
Electric or other Logs run Yes -- Elgen Log Date November 15, 1957
Was well cored? Yes Has well sign been properly posted? Now post-
ing.

RECORD OF SHOOTING AND/OR CHEMICAL TREATMENT

DATE	SHELL, EXPLOSIVE OR CHEMICAL USED	QUANTITY	ZONE		FORMATION	REMARKS
			From	To		

Results of shooting and/or chemical treatment:

DATA ON TEST

Test Commenced 11 A.M. or P.M. Nov. 25, 1957 Test Completed 11 A.M. or P.M. Nov. 26, 1957
For Flowing Well: For Pumping Well:

Flowing Press. on Csg. 450 lbs./sq.in.

Length of stroke used inches.

Flowing Press. on Tbg. lbs./sq.in.

Number of strokes per minute

Size Tbg. 2 7/8 in. No. feet run 4450'

Diam. of working barrel inches

Size Choke Open in.

Size Tbg. in. No. feet run

Shut-in Pressure

Depth of Pump feet.

If flowing well, did this well flow for the entire duration of this test without the use of swab or other artificial flow device?
Yes

SEE REVERSE SIDE

TEST RESULTS: Bbls. oil per day 216 API Gravity 37.5
Gas Vol. Mcf/Day; Gas-Oil Ratio 900 est. Cf/Bbl. of oil
B.S. & W. .1 of 1 %; Gas Gravity --- (Corr. to 15.025 psi & 60°F)

Gas-Oil ratio estimated. Official test to be made immediately for December, 1957, and First Quarter 1958 allowable.

FORMATION RECORD

Give name, top, bottom and description of all formations encountered, and indicate oil, gas and water bearing intervals, cored sections and drill stem tests.

FORMATION NAME	TOP	BOTTOM	DESCRIPTION AND REMARKS
	0	65	Sand
Pierre	65	3650	Shale
Niobrara	3650	4034	Limey shale
	4034	4357	Shale
Bentonite	4357	4360	
	4360	4412	Shale
"D" Sand	4412	4433	Siltstone and sand.
"D" Sand	4433	4446	Oil bearing.
Shale	4446	4483	Total Depth.
Core #1	4418	4435	Rec. 17'. 4418 - 33 Reworked sand and shale. 4433 - 34 Hard, tight sand. 4434 - 35 Oil sand.
Core #2	4435	4443	Rec. 8'. 4435 - 42 Oil sand. 4442 - 42½ Gray shale. 4442½ - 43 Sand
D.S.T. #1	4433½	4440	Open 2 hours, 10 minutes. Shut in 20 minutes. Good gas blow in 5 minutes, Rec: 510' of free, clean oil. 30' water.
			I. Hydrostatic 2285# F. " 2255# I. Flow 0# F. " 350# F. Shut In 985#