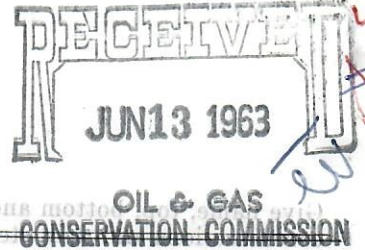


OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO

WELL COMPLETION REPORT

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 Wildcat Operator NORTHERN NATURAL GAS PRODUCING COMPANY
County Washington Address P. O. Box 1284
City Billings State Montana
Lease Name Tuttle Well No. 1-A Derrick Floor Elevation 4610
Location C SW/4 SW/4 Section 29 Township 2 North Range 54 West Meridian 6
660 (quarter quarter) feet from S Section line and 662 feet from W Section Line
Nor S E or W

Drilled on: Private Land ☒ Federal Land ☐ State Land ☐

Number of producing wells on this lease including this well: Oil None; Gas None

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 June 10, 1963

Signed Adam E. Tucker
Title Denver District Land Superintendent

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

Commenced drilling May 25, 1963 Finished drilling May 31, 1963

CASING RECORD

SIZE	WT. PER FT.	GRADE	DEPTH LANDED	NO. SKS. CMT.	W.O.C.	PRESSURE TEST	
						Time	Psi
8 5/8"	24#	J55	102-KB	130	12		

CASING PERFORATIONS

Type of Charge	No. Perforations per ft.	Zone	
		From	To

TOTAL DEPTH 5025 KB

PLUG BACK DEPTH _____

Oil Productive Zone: From _____ To _____

Gas Productive Zone: From _____ To _____

Electric or other Logs run IES-Minilog

Date May 31, 19 63

Was well cored? Yes

Has well sign been properly posted? No

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 _____ A.M. or P.M. _____ 19____ Test Completed _____ A.M. or P.M. _____

For Flowing Well:

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

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

Size Tbg. _____ in. No. feet run _____

Size Choke _____ in.

Shut-in Pressure _____

For Pumping Well:

Length of stroke used _____

Number of strokes per minute _____

Diam. of working barrel _____ inches

Size Tbg. _____ in. No. feet run _____

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? _____

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

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.

INSTRUCTIONS

FORMATION NAME	TOP	BOTTOM	DESCRIPTION AND REMARKS
Surface	0	4000	No samples
Pierre	4000	4078	Shale, black, compact, sub-splintery
Niobrara	4078	4446	Shale, brown, grey, white calcareous specked
Ft. Hays	4446	4499	Lime, white, chalky, slightly sandy
Carlisle	4499	4581	Shale, dark brown-grey, black mottled, splintery
Greenhorn	4581	4892	Shale & lime, dark brown, grey, some sandy lime, hard
"D" Sand	4892	4951	Sandstone, white-hard-grey, very fine grain, quartzose, abundant thin shale partings, re-worked in part. Some poor oil staining in sand lenses.
Core No. 1	4899	4940	Cur & recovered 41'-Sand and shale as above
DST No. 1	4902	4925	Tool open 1 hour; Shut-in 60 min.; Recovered 720' slightly brackish water, trace of oil seum. IFP-FFP-77-241#, ISIP-PSIP-931-892#, IHP-FHP-2459-2380#
Huntsman	4951	4973	Shale, dark grey-black, sub-splintery, pyritic
"J" Sand	4973	5025	Sandstone, white, medium fine grained, quartzose, slight glauconitic, interbedded with black shale. No shows of oil or gas
TOTAL DEPTH	5025		

RECORD OF SHOOTING AND/OR CHEMICAL TREATMENT

DATE	SHELL EXPLOSIVE OR CHEMICAL USED	QUANTITY	FORMATION	REMARKS

DATA ON TEST

Test Completed	Test Completed	Test Completed	Test Completed	Test Completed
Flowing Well	Flowing Well	Flowing Well	Flowing Well	Flowing Well
Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure
Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure
Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure
Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure
Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure
Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure
Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure
Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure	Flowing Pressure

TEST RESULTS: Rate of flow	API Gravity	Gas Gravity	Gas Gravity	Gas Gravity
Gas Gravity	Gas Gravity	Gas Gravity	Gas Gravity	Gas Gravity
Gas Gravity	Gas Gravity	Gas Gravity	Gas Gravity	Gas Gravity
Gas Gravity	Gas Gravity	Gas Gravity	Gas Gravity	Gas Gravity
Gas Gravity	Gas Gravity	Gas Gravity	Gas Gravity	Gas Gravity