OGCC Form 5

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 Curtis — Operator Tennessee Gas Transmission Company
County Routt — Address P. O. Box 1772
City Casper — State Wyoming

Lease Name State of Colorado "A" — Well No. 1 — Derrick Floor Elevation 6742 KB
Location SW/4 NW/4 (quarter quarter) — Section 30 — Township 6N — Range 85W — Meridian 6th PM
2025 feet from N (N or S) Section line and 655 feet from W (E or W) Section Line

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.

Signed
Date October 3, 1958 — Title Patterson Lay, District Superintendent

The summary on this page is for the condition of the well as above date.
Commenced drilling May 29, 1958 Finished drilling July 24, 1958

CASING RECORD

SIZE	WT. PER FT.	GRADE	DEPTH LANDED	NO. SKS. CMT.	W.O.C.	PRESSURE TEST Time	PRESSURE TEST Psi
13-3/8"	48	H-40	987.80	720	24 hrs.	30 min.	500
7"	20	J-55	3849.85	103	36 hrs.	35 min.	1200
	(Abandoned with casing in hole)						

*Circulated 150 sacks to surface.
**Top cement 3250' by temperature survey.

CASING PERFORATIONS

Type of Charge	No. Perforations per ft.	Zone From	Zone To
	None		

AJJ
DVR
WRS
HHM
JAM ✓
FLP ✓
JED ✓
FILE

TOTAL DEPTH 5826' — PLUG BACK DEPTH 4451'

Oil Productive Zone: From None To — Gas Productive Zone: From None To
Electric or other Logs run Induction ES, ML and CDM — Date July 26, 1958
Was well cored? Yes — Has well sign been properly posted?

RECORD OF SHOOTING AND/OR CHEMICAL TREATMENT

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

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. ____ 19____.

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 ____ inches.
- 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? ____

SEE REVERSE SIDE

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)

30-6N-58W

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
Mancos Formation			
Upper Mancos	Surface	1300'	Broken shale, siltstone and sand (water).
	1300'	3450'	Shale and siltstone.
Niobrara	3450'	4731'	Shale (slight oil shows in fractures).
Frontier Formation	4731'	4794'	Sand, tight, show of oil in fractures.
Mowry Formation	4794'	5192'	Shale, medium to dark grey shale.
Dakota Formation	5192'	5320'	Sandstone and shale, oil shows in fractures.
Morrison	5320'	5772'	Sandstone and siltstone and varicolored shale.
Entrada	5772'	5823'	Sandstone, white.
Chinle	5823'	5826' TD	Siltstone, red.
Drill Stem Test #1	3453'	3525'	Niobrara Formation. ISI 30 minutes. Tool open 15 min. Open w/no blow, dead throughout test. FSI 30 minutes. Recovered 10' drlg. mud, NS. ISI, IFP, FFP and FSIP all 20#. FHP 1880#.
Drill Stem Test #2	3804'	4035'	Niobrara Formation. ISI 30 minutes. Tool open 30 minutes. Opened w/weak blow, dead in 30 minutes. Swabbed DP for 5-1/2 hours. Rec 170' oil used for drlg. IHP 1452, IFP 52, FSIP 89, FHP 1452. No initial. open
Drill Stem Test #3	3850'	4165'	Niobrara Formation. ISI 1 hour. Tool/9 hours and 37 minutes. Opened w/weak blow, decreasing throughout test. Swabbed 7 hours and 30 minutes w/no gas to surface. Rec 200' drlg. oil. FSIP 104, IFP 37, FFP 86, FHP 1400. 5/8" bottom hole choke.
Drill Stem Test #4	3850'	4519'	Niobrara Formation. ISI 1 hour. Tool open 677 minutes. Weak blow throughout test. Swabbed 1 hour and 30 minutes from 3700'. Rec 122' drlg. oil. ISIP 694, FSIP 72, IFP 28, FFP 54, IHP 1558, FHP 1444.
Drill Stem Test #5	4732'	4792'	Frontier Formation. ISI 30 minutes. Tool open 2 hours. Opened w/strong blow air, dead after 1 hour 40 minutes. No gas to surface. Rec 20' drlg. mud.
Drill Stem Test #6	5258'	5280'	Dakota Formation. ISI 30 minutes. Tool open 1 hour 30 minutes. Opened w/medium blow air, increasing to strong and remaining strong throughout test. No gas to surface. Rec 5200' fresh water, no oil. ISIP 2298, IFP 98, FFP 2228, FSIBHP 2320 static, IHP 2478, FHP 2455.
Note: Core No. 1 through Core No. 9 Niobrara cut with lease crude oil as circulating medium.			
Core No. 1	3852'	3902'	Recovered 50', shale, dark grey, hard w/vertical fractures 3852-85 and 3892-3902. Bleeding oil and gas from horizontal hairline fractures along bedding plane. Vertical fractures in top half of core, irregular and wavy. Mud contaminated from 3852-67.
Core No. 2	3902'	3952'	Niobrara Shale. Recovered 50' shale, dark grey, hard w/ vertical fractures from 3904-18. Bleeding oil and gas from hairline fractures along bedding plane.
Core No. 3	3952'	3983'	Niobrara Shale. Recovered 31' dark grey, hard, shale w/ following fracture system: 3952-61, no vertical fractures 3961-62, single vertical fracture; 3962-64, no vertical fractures; 3964-65½, single vertical fracture, no bleeding oil or gas; 3965½-74', no vertical fracture; 3974-76½, single vertical fracture, slightly bleeding oil and gas. 3976½-79½, shale fragments, slightly bleeding oil and gas; 3979½-81, no vertical fracture; 3981-83, two sets vertical fractures, slight bleeding of oil and gas.
Core No. 4	3983'	4035'	Niobrara Shale. Recovered 52', shale, dark grey, hard calcareous w/bentonite streaks. Single vertical fracture at 3983-92, 4005½-11½. Blacky frac at 4022½-4024. Slight bleeding of oil and gas.