



OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF COLORADO

APR 14 1958

WELL COMPLETION REPORT

OIL & GAS 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 Wildcat - Curtis Anticline Operator Tennessee Gas Transmission Company
County Routt Address P. O. Box 1772 City Casper State Wyoming
Lease Name USA - S. Marvin James Well No. 1 Derrick Floor Elevation 7009'
Location NE NE NE Section 25 Township 6N Range 86W Meridian 6th PM
334 feet from N Section line and 334 feet from E Section Line

Drilled on: Private Land [ ] Federal Land [X] State Land [ ]
Number of producing wells on this lease including this well: Oil 1; Gas 0
Well completed as: Dry Hole [ ] Oil Well [X] 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 February 25, 1958 Signed Patterson Lay District Superintendent
Commenced drilling October 4, 1957 Finished drilling December 4, 1957

CASING RECORD

Table with columns: SIZE, WT. PER FT., GRADE, DEPTH LANDED, NO. SKS. CMT., W.O.C., PRESSURE TEST (Time, Psi)

CASING PERFORATIONS

Table with columns: Type of Charge, No. Perforations per ft., From, Zone, To

TOTAL DEPTH 5620' PLUG BACK DEPTH 4800' K.B.

Oil Productive Zone: From 4094' To 4800' Gas Productive Zone: From 10-19, 11-11, 11-20, 12-6, 9, 57
Electric or other Logs run See reverse side Date 10-19, 11-11, 11-20, 12-6, 9, 57
Was well cored? Yes (See reverse side) Has well sign been properly posted? Yes

RECORD OF SHOOTING AND/OR CHEMICAL TREATMENT

Table with columns: DATE, SHELL, EXPLOSIVE OR CHEMICAL USED, QUANTITY, ZONE (From, To), FORMATION, REMARKS

Results of shooting and/or chemical treatment:

DATA ON TEST

Test Commenced 7:00 A.M. 1-26 1958 Test Completed 7:00 A.M. 1-27 1958
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 54 inches, Number of strokes per minute 17, Diam. of working barrel 1-1/2 inches, Size Tbg. 2-3/8 in. No. feet run 4107', Depth of Pump 4047 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 187 API Gravity 38.5° A. P. I., Gas Vol. 112.2 Mcf/Day, Gas-Oil Ratio 600 Cf/Bbl. of oil, B.S. & W. 1.0 %, Gas Gravity 0.75 (Corr. to 15.025 psi & 60°F)

SEE REVERSE SIDE

25-60-86W

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
<p>Due to lost circulation, log tops are the only formation record available to a depth of 4100'. Schlumberger Log Tops are as follows:</p>			<p><u>LOGS:</u> (Schlumberger)            ES - 4505-358            ES Induction - 5615-4092            ML - 4505-358 and 5618-4092            GRN - 4506-325            Lost Circulation Detector - 796-298</p>
Mancos	-	Surface	
Niobrara	3795	(+3218)	
Frontier	5049	(+1964)	
Mowry	5110	(+1903)	
Dakota	5502	(+1511)	
<u>CORES:</u>			
Core #1	4117-4127'		Cored 10'. Recovered 6-1/2' shale, hard, black, calcareous, micaceous. No show.
Core #2 & #3,	4491-4496' & 4496-4506'		respectively. Niobrara. Cored 15'. Recovered 15' shale, dark gray, mottled w/pyrite streaks and carbonaceous streaks w/2 to 3 vertical fractures throughout. No shows, no odor, no visible porosity in matrix. Sand streaked at 4495' with fluorescence.
Core #4	5508-5517'		Dakota. Cored 9'. Recovered 9'.
	5508-10' (2')		Shale, hard, dark gray to black. No show.
	5510-12' (2')		Sandstone, dark gray, silty. No show.
	5512-15' (3')		Quartzite, hard gray. No show.
	5515-17' (2')		Siltstone, hard, dark gray. No show.
	Complete Core hard and tight with no fractures, no shows.		
<u>DST:</u>			
DST #1	4464-4491'		Niobrara. Tool open 2 hours, gas to surface in 11 min. Continued strong blow gas throughout test. Recovered 3,802' clean dark greenish brown oil and 60' oil and gas cut mud. IFBHP 153 psi, FFBHP 1137 psi, FSIBHP 1408 psi.
DST #2	4200-4300'		Niobrara. Straddle Test. Initial shut-in 20 min. Tool open 1-1/2 hours. Final shut-in 30 min. Immediate strong blow decreasing steadily to weak blow at end of flow period. No gas to surface. Recovered 2200' heavily gas and slightly oil cut mud. ISIBHP 1799 psi, FSIBHP 1247 psi, IFBHP 193 psi, FFBHP 931 psi.
DST #3	5044-5080'		Frontier. Initial shut-in 20 min., tool open 2 hours, final shut-in 30 min. Opened w/good blow decreasing throughout test. Gas to surface in 37 min. Recovered 120' heavily oil and gas cut mud with 1' free green oil on top. ISIBHP 1679 psi, FSIBHP 200 psi, IFBHP 67 psi. FFBHP 78 psi.
DST #4	5080-5120'		Frontier. Initial shut-in 20 min., tool open 1-1/2 hours, final shut in 30 min. Opened with good blow decreasing to dead in 1-1/2 hours. Recovered 75' slightly oil cut mud and 1 pint free oil on top. ISIBHP 433 psi, FSIBHP 83 psi, FFBHP 41 psi, IFBHP 41 psi.
DST #5	5565-5593'		Dakota. Initial shut-in 20 min, tool open 2 hours, final shut-in 30 min. Opened w/ weak blow air, gradually increasing to good blow at end of test. No gas to surface. Recovered 1840' very slightly gas cut muddy water. ISIBHP 2324 psi, FSIBHP 2308 psi, IFBHP 5 psi, FFBHP 697 psi.