



WELL COMPLETION REPORT

APR 14 1958

**OIL & GAS
CONSERVATION COMMISSION**

(3) Within thirty (30) days after the completion of any well, the owner or operator shall transmit to the Director three 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.

Lease Name USA - S. Marvin James City Castro State Wyoming
 Location NE NE NE Section 25 Well No. 1 Derrick Floor Elevation 7009'
 (quarter quarter) Township 6N Range 86W Meridian 6th PM
334 feet from N Section line and 334 feet from E Section Line
 N or S

Drilled on: Private Land ☐ Federal Land ☒ State Land ☐ Section Line
 Number of producing wells on this lease including this well: Oil 1; Gas 0
 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 February 25, 1958 Signed Patterson Lay
 Title District Superintendent
 The summary on this page is for the condition of the well as above date.
 Commenced drilling October 4, 1957 Finished drilling December 4, 1957

SIZE	WT. PER FT.	GRADE	DEPTH LANDED	NO. SKS. CMT.	W.O.C.	PRESSURE TEST	
						Time	Psi
9-5/8"	32.3	H-40	360' K.B.	240	28	15 min.	500
7-5/8"	26.4	N-80 XL	4094' K.B.	72	28	30 min.	1500

[illegible]

PLUG BACK DEPTH 4800' K.B.

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

DATE	SHELL, EXPLOSIVE OR CHEMICAL USED	QUANTITY	ZONE		FORMATION	REMARKS
			From	To		
	- NONE -					<div style="border: 1px solid black; padding: 5px; display: inline-block;"> AJI DVR WRS </div>

Results of shooting and/or chemical treatment:

Test Commenced 7:00 A.M. ~~XXXX~~ 1-26 1958 Test Completed 7:00 A.M. ~~XXXX~~ 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 _____

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

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.

SEE REVERSE SIDE

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)

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
Due to lost circulation, log tops are the only formation record available to a depth of 4100'. Schlumberger Log Tops are as follows:			LOGS: (Schlumberger) ES - 4505-358 ES Induction - 5615-4092 ML - 4505-358 and 5618-4092 GRN - 4506-325 Lost Circulation Detector - 796-298
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.