



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 Pinneo Operator The Texas Company
County Morgan Address Box 1346
City Casper State Wyoming
Lease Name Forbes-Marick Well No. 3 Derrick Floor Elevation 4485'
Location C SW NW (quarter quarter) Section 15 Township 2N Range 55W Meridian 6th PM
1980 feet from North Section line and 644 feet from West 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 2; 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 April 22, 1957

Signed Walter Rand
Title District Superintendent

The summary on this page is for the condition of the well as above date.
Commenced drilling March 8, 1957 Finished drilling March 14, 1957

CASING RECORD

SIZE	WT. PER FT.	GRADE	DEPTH LANDED	NO. SKS. CMT.	W.O.C.	PRESSURE TEST	
						Time	Psi
8-5/8"	24#	J-55	167'	100 2% CaCl ₂	16 Hrs.	15 min.	500
5-1/2"	14#	J-55	5068'	100 2% Gel	36 Hrs.	15 min.	1000
2-3/8" EUE	4.7#	J-55	4958'	--	--	--	--

CASING PERFORATIONS

Type of Charge	No. Perforations per ft.	From	Zone To
1/2" Jet Shots (McCullough)	6	4962'	4965'

TOTAL DEPTH 5102' KB

PLUG BACK DEPTH 5037' KB

Oil Productive Zone: From 4962' To 4965' Gas Productive Zone: From -- To --
Electric or other Logs run (See attached sheets) Date --
Was well cored? No Has well sign been properly posted? --

RECORD OF SHOOTING AND/OR CHEMICAL TREATMENT

DATE	SHELL, EXPLOSIVE OR CHEMICAL USED	QUANTITY	ZONE		FORMATION	REMARKS
			From	To		
	<u>None</u>					

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Results of shooting and/or chemical treatment:

DATA ON TEST

Test Commenced 7:00 A.M. or P.M. March 22, 1957 Test Completed 7:00 A.M. or P.M. March 23, 1957
For Flowing Well: For Pumping 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

Length of stroke used 54 inches.

Number of strokes per minute 14

Diam. of working barrel 1-1/2 inches

Size Tbg. 2-3/8 in. No. feet run 4947'

Depth of Pump 4927 KB 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 107 API Gravity --
Gas Vol. 171 Mcf/Day; Gas-Oil Ratio 1600 (est.) Cf/Bbl. of oil
B.S. & W. 5.0 %; Gas Gravity -- (Corr. to 15.025 psi & 60°F)

FORMATION RECORD

1. The first part of the document is a title page. It contains the title of the document, the author's name, and the date of the document. The title is "The first part of the document is a title page. It contains the title of the document, the author's name, and the date of the document." The author's name is "The author's name is the name of the person who wrote the document." The date of the document is "The date of the document is the date when the document was written." The title page is the first page of the document and it contains the title, author's name, and date of the document.

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GEOLOGICAL DATA AND DRILLING AND COMPLETION PROCEDURE

FORMATION OR DATE	TOP-DEPTH INTERVAL	REMARKS OR DESCRIPTION AND RESULTS OF WORK		
FORMATION RECORD				
		<u>Bottom</u>	<u>Amount</u>	<u>Description</u>
Derrick Elevation		9'	9'	Rotary bushing to ground
		1050'	1041'	Sand, Shale & Conglomerate
		4142'	3092'	Shale
		4530'	388'	Limestone
		4635'	105'	Shale
		4710'	75'	Limestone
		4953'	243'	Shale
		5054'	101'	Sandstone
		5102'	48'	Sandstone
FORMATION TOPS				
Tertiary		Surface		
Pierre		1050'		
Niobrara		4142'		
Carlisle		4530'		
Greenhorn		4635'		
Graneros		4710'		
Bentonite Marker		4860'		
Dakota "D"		4953'		
Dakota "J"		5036'		
Total Depth		5102'		
STRAIGHT HOLE SURVEYS				
60'	1/2°	Totco		
120'	1/2°	"		
170'	1/2°	"		
500'	3/4°	"		
1000'	1°	"		
1509'	1-1/4°	"		
2021'	1°	"		
2623'	1/4°	"		
3000'	3/4°	"		
3500'	1°	"		
4000'	1°	"		
4518'	1-1/4°	"		
5100'	3/4°	"		
SAMPLE DESCRIPTION OF PAY				
Dakota "D"	4950-4970	Sandstone, very fn. gr. to fine grn., white w/scattered blk. chert., calc., hd., good porosity and stn.		
	70 75	Sandstone, as above, w/blk. fissil sh.		
	75 90	Sandstone, fn. grnd., white w/scattered blk. chert., med-hd. good porosity, no stn.		
Dakota "J"	5035-5040	Sandstone, very fn. grnd., gry. to wh., hd., slightly calc. cement fair porosity, no stn.		
	40 50	Sandstone, gry., fn. grnd., hd., non-calc. cement, good porosity possible slight stn.		
	50 55	Shale, hd., blk., slightly fissil		
	55 80	Sandstone, wh., hd., fn. grnd., good porosity, no stn.		
	80 100	Sandstone as above with blk. sh.		

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GEOLOGICAL DATA AND DRILLING AND COMPLETION PROCEDURE

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<u>DRILL STEM TEST</u>																							
None																							
<u>PERFORATIONS</u>																							
6	5-1/2" OD casing perforated 4962-4965' KB (Schlumberger measurement) with Jet perforations per foot by McCullough.																						
<u>CASING COUPLING MEASUREMENTS</u>																							
		<table border="0"> <thead> <tr> <th></th> <th><u>Driller</u></th> <th><u>McCullough</u></th> </tr> </thead> <tbody> <tr> <td>Top of Float Collar</td> <td>5037.13'</td> <td>5037.00' PBTB</td> </tr> <tr> <td>First Coupling</td> <td>5005.41'</td> <td>5007.00'</td> </tr> <tr> <td>Second Coupling</td> <td>4973.76'</td> <td>4974.25'</td> </tr> <tr> <td>Third Coupling</td> <td>4945.41'</td> <td>4946.00'</td> </tr> <tr> <td>Fourth Coupling</td> <td>4914.31'</td> <td>4915.00'</td> </tr> <tr> <td>Fifth Coupling</td> <td>4882.80'</td> <td>4883.75'</td> </tr> </tbody> </table>		<u>Driller</u>	<u>McCullough</u>	Top of Float Collar	5037.13'	5037.00' PBTB	First Coupling	5005.41'	5007.00'	Second Coupling	4973.76'	4974.25'	Third Coupling	4945.41'	4946.00'	Fourth Coupling	4914.31'	4915.00'	Fifth Coupling	4882.80'	4883.75'
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<u>CASING SETTING</u>																							
1.80'	8-5/8" OD 8R HOWCO Float Shoe																						
154.69'	8-5/8" OD 24# J-55 8R ST&C R-2 Casing	5 Jts.																					
156.49'	Total																						
9.00'	Derrick elevation																						
165.49'	Total																						
1.51'	Set below surface																						
167.00'	Setting depth																						
Cemented with 100 sacks (50/50) pozmix cement with 2% Gel and 2% CaCl ₂ . After 16 hrs. tested casing with 500# pressure for 15 min. No drop in pressure was observed and drilling was resumed.																							
<u>CASING SETTING</u>																							
1.85'	5-1/2" 8R HOWCO Float Shoe																						
28.04'	5-1/2" OD 14# J-55 8R ST&C Casing	1 Jt.																					
1.55'	5-1/2" 8R HOWCO Float Collar																						
5028.14'	5-1/2" OD 14# J-55 8R ST&C Casing	158 Jts.																					
5059.58'	Total	159 Jts.																					
9.00'	Derrick elevation																						
5068.58'	Setting depth																						
Cement with 100 sacks (50/50) pozmix cement, with 2% Gel. After 36 hrs., tested casing with 1000# pressure for 15 min. No drop in pressure was observed and operations were resumed.																							
Ran Schlumberger induction-electrical log to bottom on 3-13-57.																							
Schlumberger TD 5102' KB; Drillers TD 5102' KB.																							
Ran Schlumberger micro-log to 5100' KB on 3-13-57.																							
Ran McCullough gamma ray log to PBTB, (5037'KB) on 3-17-57.																							
<u>TUBING SETTING</u>																							
27.96'	2-3/8" EUE 8R 4.7# J-55 R-2 Tubing (Anchor)	1 Jt.																					
3.50'	2-3/8" Perforated Nipple																						
.60'	2-3/8" Seating Nipple																						
4919.26'	2-3/8" EUE 8R 4.7# J-55 R-2 Tubing	161 Jts.																					
4951.32'	Total	162 Jts.																					
9.00'	Derrick elevation																						
4960.32'	Total																						
2.00'	Set above surface																						
4958.32'	Setting depth																						

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