



SIDE TWO

Operator Name .. Hughes Drilling Co. - RCD ..... Lease Name .. South McMillen ..... Well # .. 3 .....

Sec. .... 11 ... Twp. .... 16 S. ... Rge. .... 20 .....  East  West County .... Franklin .....

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name Top Bottom

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
→ .42	Bbls	MCF	Bbls	CFPB	24

**CASING RECORD**  New  Used  
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface		6 1/2"		20'	Portland	5	
Production	5 1/8"	2 7/8"		820			

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
11 shots	775.0' - 780.0' Perforations 2-1/8" Glass	AY-2 MUTUAL SOLVENT POTASSIUM CHLORIDE ROCK SALT WATER JEL	3.25 UNITS 625 UNITS 150 UNITS 63 UNITS

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First Production	Producing Method
12/6/85	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....

HUGHES DRILLING COMPANY  
122 NORTH MAIN  
WELLSVILLE, KANSAS 66092

11-16-20F

Hughes Drilling Comp  
122 North Main  
Wellsville, Kansas 66092

LOG

SOUTH McMILLEN

WELL NO. 3  
SEC. 11, TWP. 16S, RNG. 20E  
SW NE NE

API # 15-059-23,89

4280' N from SE cor  
1320' W from SE cor

FRANKLIN CO., KS.

of Section

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	
2	Soil	2	1	Sand "WAYSIDE"	61
48	Clay	50		(Very lamin. w/shale, oil trace)	
18	Shale	68	10	Shale	62
29	Lime(Slate 75-76)	97	11	Lime	63
7	Shale (Darl) (Slate 102-103)	104	8	Shale	64
10	Lime	114	4	Lime	64
6	Shale	120	6	Shale(Slate 652-653)	65
19	Lime	139	9	Lime	66
33	Shale	172	14	Shale	67
26	Lime	198	3	Lime	67
3	Shale	201	5	Shale(Slate 683-684)	68
	Sand	207	10	Lime(Broken)	69
67	Shale	274	12	Shale	70
26	Lime	300	6	Lime (Oil show 706-709)	71
10	Shale	310	5	Shale(White 715-717)	71
9	Lime	319	8	Oil Sand (#1 Squirrel)	72
23	Shale	342			
11	Lime	353	12	Broken Sand	73
26	Shale(Lime 363-364)	379	36	Shale	77
26	Lime 30'	405	1	Lime	77
6	Shale(Slate 409-410)	411	1	Gray Sand	77
24	Lime 20'	435	7	Oil Sand #2 SQUIRREL	78
5	Shale (Slate 439-440)	440			
4	Lime	444	43	Shale	82
2	Shale	446			
7	Lime "HERTHA"	453			
116	Shale(Brk. 455-458)	569			
2	Sdy. Lime "PERU"	571			
2	Shale(Slate 602-603) (Brk. 603-612)	613			

Drilled 825 ft. of 5 1/8" hole.  
 Set 20 ft. of used 6 1/2" surface pipe  
 Cemented in with 5 sacks cement.  
 Cored #1 SQUIRREL 718'-738'.  
 Set 820 ft. of 2 7/8" 10 rd. reg. p  
 (Thick wall)  
 Used 4 centralizers--Bolt in bottom  
 Seating Nipple 771.75'

11-16-20E



X

- ✓1) McMillen South #1, 11-16-20E, Franklin County, KS
- Not Drilled 2) McMillen South #2, 11-16-20E, Franklin County, KS
- ✓3) McMillen South #3, 11-16-20E, Franklin County, KS
- X ✓4) McMillen South #5, 11-16-20E, Franklin County, KS
- 5) McMillen #1, 2-16-20E, Franklin County, KS
- Not Drilled 6) McMillen #3, 2-16-20E, Franklin County, KS
- ✓7) McMillen #5, 2-16-20E, Franklin County, KS
- ✓8) McMillen #6, 2-16-20E, Franklin County, KS
- ✓9) McMillen #2, 2-16-20E, Franklin County, KS
- ✓10) McMillen #7, 2-16-20E, Franklin County, KS
- ✓11) Broers #2, 2-16-20E, Franklin County, KS
- Not Drilled 12) N McMillen #4, 2-16-20E, Franklin County, KS
- 13) Broers #1, 2-16-20E, Franklin County, KS

HUGHES DRILLING CO.-RCD  
 Wellsville, Kansas 66092  
 Operator # 4439

HUGHES DRILLING COMPANY  
 WELLSVILLE, KANSAS 66092  
 Operator # 5682

STATE OF KANSAS

DEC 5 1961  
 CONSERVATION DIVISION  
 Wichita Kansas