

Thomas J. Funk  
Petroleum Geologist  
Eudora, Kansas

Geologist's Report  
Drilling Time and Sample Log  
BRITO OIL CO., INC.  
WELL NO #1-7  
ELEVATION  
KB 2781

OPERATOR Brito Oil Co., Inc.  
LEASE F-G Unit  
FIELD W-Unit  
APR 15-09-210293  
LOCATION 2573' FSL & 1553' FEL  
SEC. 7 TWP. 15S RGE. 32W  
COUNTY Logan STATE Kansas  
COUNCIL Loggan

CONTRACTOR Martin Riggs Co. Rig #2  
COWAN 4112011  
CAMPUS 2020111  
SAMPLES SAVED FROM 3400 TO TD  
DRAILING TIME FROM 3400 TO TD  
SAMPLES EXAMINED FROM 3400 TO TD

GEOLOGICAL SUPERVISION FROM 3550 TO TD  
MUD GP 3580 TYPE MUD Chemical

FORMATION LOG SAMPLE STRUCUT  
TOP DATUM TOP DATUM COMP Log Tech  
Almyville 2190 (4581) 2193 (4588) +11  
Barnyard 2213 (4589) 2215 (4599) +12  
Henderson Sh 3703 (4227) 3703 (4227) +14  
Mancos Creek 3802 (4122) 3805 (4124) +16  
SINK Sh 3897 (4219) 3899 (4219) +18  
BHC 4073 (4282) 4075 (4284) +25  
Barnard 4076 (4283) 4113 (4332) +25  
Cowan Sh 4206 (4328) 4211 (4333) +29  
Cherokee Sh 4211 (4333) 4233 (4352) +29  
Jensen Zone 4312 (4331) 4315 (4334) +32  
Mississippi 4312 (4331) 4315 (4334) +32

ELECTRICAL SURVEYS  
Log Tech  
DIL CN/COL  
MEL

CASING RECORD  
SURFACE 8" @ 2273' W/1553'  
PRODUCTION

5 1/2" @ 4470' @ W/1553'

REFERENCE WELL FOR STRUCUTURAL COMPARISON: BRITO OIL CO. #1-7 F-Unit  
NW SW SW sec. 7-15S-32W Logan Co. KS

Day Progress

Date	Depth	NOI	Stroke	Make	Type	Depth Out	Feet	Hours
6/2/11	3400	1	12 1/4"	HTC	RR	223	233	2
6/4/11	750'	2	7 7/8"	HTC	DF-506F	488	385	4
6/5/11	3385'	3	7 7/8"	HTC	G2251	3400	47	3
6/8/11	3899'	3899'						
6/8/11	4108'							
6/9/11	4235'							
6/10/11	4467'							
6/11/11	4697'							

Remarks and Recommendations:  
Based upon log analysis, DST recovery, and sample examination, it was recommended that casing be set to further test the #1-7-G Unit.

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LEGEND

	Anhydrite
	Salt
	Sandstone
	Shale
	Carb Shale
	Limestone
	Ool Limestone
	Chert
	Dolomite

Depth

DRILLING TIME IN MINUTES PER FOOT

Sample Descriptions

Remarks

Lithology

Deviation Surveys:  
0 deg @ 223'  
14 deg @ 2505'  
14 deg @ 3511'  
1/2 deg @ 4467' TD

Bit trip @ 3508';  
Pipe Strip: 0.77 Short

DST #1 3820-3883  
30'-45'-45'-60'  
Blow built to BCB in 13" on IFP  
No return on ISF  
Blow built to BCB in 17" on FFP  
Blow built to 1 inch on FSP  
REC: 80' FSP 108  
IHP 183 FHP 1799  
128' CWM (6%g, 11%w, 39%w, 44%w)  
257 MW whr oil (86%w, 14%w)  
100' CO (7%g, 88%w, 6%w)  
60' WACO (3%g, 60%w, 10%w, 27%w)  
IHP 183 FHP 1799  
Oil Temp: 22.6 deg F  
Temp: 114 deg F  
Chis: 62,000 ppm

DST #2 3902-3969  
30'-45'-45'-60'  
Blow built to BCB in 9" on IFP  
No return on ISF  
Blow built to BCB in 33" on FFP  
No return on FSP  
REC: 80' FSP 108  
IHP 183 FHP 1799  
128' CWM (6%g, 11%w, 39%w, 44%w)  
257 MW whr oil (86%w, 14%w)  
100' CO (7%g, 88%w, 6%w)  
60' WACO (3%g, 60%w, 10%w, 27%w)  
IHP 183 FHP 1799  
Oil Temp: 22.6 deg F  
Temp: 114 deg F  
Chis: 62,000 ppm

DST #3 4118-4200  
30'-45'-45'-60'  
Strong blow BCB in 9" on IFP  
No blow on ISF  
Strong blow BCB in 22" on FFP  
No blow on FSP  
REC: 80' FSP 108  
IHP 183 FHP 1799  
128' CWM (6%g, 11%w, 39%w, 44%w)  
257 MW whr oil (86%w, 14%w)  
100' CO (7%g, 88%w, 6%w)  
60' WACO (3%g, 60%w, 10%w, 27%w)  
IHP 183 FHP 1799  
Oil Temp: 22.6 deg F  
Temp: 114 deg F  
Chis: 14,000 ppm

DST #4 4186-4235  
30'-45'-45'-60'  
Blow built to 3 inches on IFP  
No blow on ISF  
Weak blow built to 1/2 inch on FFP  
No blow on FSP  
REC: 80' FSP 108  
IHP 183 FHP 1799  
128' CWM (6%g, 11%w, 39%w, 44%w)  
257 MW whr oil (86%w, 14%w)  
100' CO (7%g, 88%w, 6%w)  
60' WACO (3%g, 60%w, 10%w, 27%w)  
IHP 183 FHP 1799  
Oil Temp: 22.6 deg F  
Temp: 114 deg F  
Chis: 14,000 ppm

DST #5 4209-4263  
30'-45'-45'-60'  
Blow built to 3 inches on IFP  
No blow on ISF  
Weak blow built to 1/2 inch on FFP  
No blow on FSP  
REC: 80' FSP 108  
IHP 183 FHP 1799  
128' CWM (6%g, 11%w, 39%w, 44%w)  
257 MW whr oil (86%w, 14%w)  
100' CO (7%g, 88%w, 6%w)  
60' WACO (3%g, 60%w, 10%w, 27%w)  
IHP 183 FHP 1799  
Oil Temp: 22.6 deg F  
Temp: 114 deg F  
Chis: 14,000 ppm

DST #6 4286-4333  
30'-45'-45'-60'  
Blow built to 3 inches on IFP  
No blow on ISF  
Weak blow built to 1/2 inch on FFP  
No blow on FSP  
REC: 80' FSP 108  
IHP 183 FHP 1799  
128' CWM (6%g, 11%w, 39%w, 44%w)  
257 MW whr oil (86%w, 14%w)  
100' CO (7%g, 88%w, 6%w)  
60' WACO (3%g, 60%w, 10%w, 27%w)  
IHP 183 FHP 1799  
Oil Temp: 22.6 deg F  
Temp: 114 deg F  
Chis: 14,000 ppm

DST #7 4333-4382  
30'-45'-45'-60'  
Blow built to 3 inches on IFP  
No blow on ISF  
Weak blow built to 1/2 inch on FFP  
No blow on FSP  
REC: 80' FSP 108  
IHP 183 FHP 1799  
128' CWM (6%g, 11%w, 39%w, 44%w)  
257 MW whr oil (86%w, 14%w)  
100' CO (7%g, 88%w, 6%w)  
60' WACO (3%g, 60%w, 10%w, 27%w)  
IHP 183 FHP 1799  
Oil Temp: 22.6 deg F  
Temp: 114 deg F  
Chis: 14,000 ppm

DST #8 4412-4461  
30'-45'-45'-60'  
Blow built to 3 inches on IFP  
No blow on ISF  
Weak blow built to 1/2 inch on FFP  
No blow on FSP  
REC: 80' FSP 108  
IHP 183 FHP 1799  
128' CWM (6%g, 11%w, 39%w, 44%w)  
257 MW whr oil (86%w, 14%w)  
100' CO (7%g, 88%w, 6%w)  
60' WACO (3%g, 60%w, 10%w, 27%w)  
IHP 183 FHP 1799  
Oil Temp: 22.6 deg F  
Temp: 114 deg F  
Chis: 14,000 ppm

DST #9 4461-4500  
30'-45'-45'-60'  
Blow built to 3 inches on IFP  
No blow on ISF  
Weak blow built to 1/2 inch on FFP  
No blow on FSP  
REC: 80' FSP 108  
IHP 183 FHP 1799  
128' CWM (6%g, 11%w, 39%w, 44%w)  
257 MW whr oil (86%w, 14%w)  
100' CO (7%g, 88%w, 6%w)  
60' WACO (3%g, 60%w, 10%w, 27%w)  
IHP 183 FHP 1799  
Oil Temp: 22.6 deg F  
Temp: 114 deg F  
Chis: 14,000 ppm

Depth

DRILLING TIME IN MINUTES PER FOOT

Sample Descriptions

Remarks

Lithology

COMPANY Brito Oil Co, Inc. ELEVATION 2781 KB  
LEASE #1-7 F-G Unit  
LOCATION 2573' FSL & 1553' FEL Sec 7 TWP 15S RGE 32W  
COUNTY Logan STATE Kansas