

391-P-35

SIDE TWO

Operator Name Jerry Lutz Lease Name Bolinger Well# 3 SEC 25 TWP 9S RGE 19 ☒ East ☐ West

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
Samples Sent to Geological Survey
Cores Taken

☐ Yes ☒ No
☒ Yes ☐ No
☒ Yes ☐ No

Formation Description
☐ Log ☐ Sample

Name Top Bottom

See attached sheet.

See attached sheet.

TUBING RECORD size <u>none</u> set at _____ packer at _____		Liner Run ☐ Yes ☐ No	
Date of First Production	Producing method ☒ flowing ☐ pumping ☐ gas lift ☐ Other (explain) _____		
Estimated Production Per 24 Hours	Oil 0 Bbls	Gas 175 MCF	Water 0 Bbls
		Gas-Oil Ratio 0 CFPB	Gravity -

Disposition of gas: ☐ vented
☒ sold
☐ used on lease

METHOD OF COMPLETION

☐ open hole ☒ perforation
☐ other (specify) _____

☐ Dually Completed.
☐ Commingled

PRODUCTION INTERVAL

1552-1562

CONV

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	12 1/4"	8.5/6"	19.5	125	Portland	30	3% calcium
Production	6 1/2"	4 1/2"	5 9.5	932	Poz Mix	176	6% gilsonite
				1666	OWC	80	5% salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
3	1552-1562			none			

Released

25-9-19E

Summary

Bolinger #3

cSW SW SW Sec. 25, T9S, R19E, Jefferson County, Kansas
Surface elevation: 1109 s.c. KB 1114.2
All depths from surface elevation.

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Electric Log Picks

<u>Geologic Section</u>	<u>Depth</u> (feet)	<u>Datum</u> (ft. ASL)	<u>Remarks</u>
T. Oread limestone			
T. Douglas Group (T. Lawrence Fm.)			
T. Stranger Formation			
T. Lansing Group (T. Stanton lm.)	507	602	
T. Vilas shale	539	570	
T. Plattsburg limestone	560	549	
T. Kansas City (T. Bonner Springs)	579	+530	
T. Wyandotte limestone	604	+505	
T. Lane shale	683	+426	
T. Iola limestone	694	+415	
T. Chanute shale	728	+381	
T. Drum limestone	743	+366	
T. Cherryvale shale	748	+361	
T. Dennis limestone	768	+341	
T. Galesburg shale	794	+315	
T. Swope limestone	799	+310	
T. Ladore shale	828	+281	
T. Hertha limestone	832	+277	
B. Kansas City (B. Hertha/ T. Pleasanton Group)	856	+253	
T. Marmaton Gp. (T. Lenapah lm.)	982	+127	
T. Nowata shale	996	+113	
T. Altamont limestone	1004	+105	
T. Bandera shale	1028	+ 81	
T. Pawnee limestone	1032	+ 77	
T. Labette shale	1056	+ 53	
T. Fort Scott limestone	1062	+ 47	
T. Cherokee Group	1074	+ 35	
T. Squirrel sandstone			Not Present
T. Bevier coal bed	1162	- 53	
T. Ardmore limestone	1184	- 75	
T. Croweburg coal bed	1195	- 86	
T. Upper Cattleman sandstone	1204	- 95	12' shaly sandstone, 6-7 ohmm water sand
T. Fleming coal bed	1240	-131	
T. Mineral coal bed	1250	-141	
2nd Upper Cattleman Sandstone	1273	-164	15' sandstone, shaly in 3-7 ohmm water sand
T. Scammon coal bed	1311	-202	
T. Middle Cattleman ss.	1314	-205	15' sandstone, shaly, 8-10 ohmm water, sand
T. Lower Cattleman ss.			
T. Tebo coal bed			
T. Weir-Pittsburg coal bed	1384	-280	

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Not Present

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Summary Continued

<u>Geologic Section</u>	<u>Depth</u>	<u>Datum</u>	<u>Remarks</u>
T. Dry Wood coal bed	1452	-343	
T. Rowe coal bed	1464	-355	
T. Neutral coal bed	1471	-362	
T. Upper McLouth sandstone			Not Present
T. Middle McLouth sandstone	1523	-414	14' shaly sandstone, 6 ohmm
T. Lower McLouth sandstone	1550	-441	water sand, show of oil in smple
T. Burgess sandstone	Not Present		43' clean sandstone, gas & heavy
T. Mississippian limestone	1594	-484	oil sand, 30-40 ohmm Top 28 ft.,
T. 40 foot dolomite zone	1626	-517	good how in samples, core, & hot
			wire
T. Osage (Burlington/Keokuk)	1726	-617	water zone 3 ohmm
T.D.			

Lower McLouth Sandstone

Core #1 1565-1592 Cored 28 ft. Recovered 27

1565-1565.3	.3	sandstone, shaly, medium grained, broken, carbon zone, no bleed
1565.3-1568.0	2.7	sandstone, medium grained, very clean, no shale, hard 1-1½ broken pores, gassy sand
1568.0-1568.5	.5	sandstone, broken 2-4 inch pieces, horizontal fracture through core, minor oil bleed, gassy
1568.5-1570	1.5	sandstone, medium grained, clean zone, gassy, minor tar bleed
1570-1571.0	1.0	sandstone, coarser grained, clean gassy
1571.0-1571.3	.3	sandstone, clean, broken, tar horizontal fractures medium grained, gassy
1571.3-1572.4	1.1	sandstone, clean, medium grained, hard, gassy

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25-9-19E

Driller's Log: Caney Valley

J. Bolinger #3

API # 15-087-20,132

cSW, SW, SW, Sec. 25, T9S, R19E, 330'N and 4950'W

Jefferson County, Kansas

0-4	4	clay	694-705	11	limestone
4-8	4	sand	705-722	17	shale
8-40	32	clay	722-729	7	limestone
40-62	22	shale	729-743	14	shale
62-70	8	sandy shale	743-749	6	limestone
70-76	6	limestone	749-753	4	shale
76-168	92	sandy shale	753-756	3	limestone
168-171	3	limestone	756-759	3	shale
171-192	21	shale	759-763	4	limestone
192-232	40	limestone (Oread)	763-772	9	shale
232-508	276	shale	772-790	18	limestone
508-511	3	limestone	790-803	13	shale
511-518	7	shale	803-854	51	limestone
518-530	12	limestone	854-1167	313	shale & broken lm
530-534	4	shale	1167-1170	7	limestone
534-539	5	limestone	1170-1212	42	shale
539-561	22	shale	1212-1234	22	sand
561-579	18	limestone	1234-1284	55	shale
579-605	26	shale	1284-1288	4	limestone
605-610	5	limestone	1288-1319	25	shale
610-614	4	shale	1319-1329	16	sandy sand
614-622	8	limestone	1329-1344	15	sand
622-649	27	shale	1344-1358	14	sandy shale
649-665	16	limestone	1358-1375	17	sand
665-679	14	shale	1375-1565	190	sandy shale
679-684	5	limestone	1565-1592	27	core #1 Lower
684-694	10	shale			McLouth Sandstone
705	11	limestone			sand s7.5 ft.
705-722	17	shale			Mississippi Limest
			1592-1780 T.D.	188	

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