

371-P-28 SIDE TWO

Operator Name Jerry Lutz Lease Name Vanderweide Well# 3 SEC 36 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 ☐ Yes ☒ No
 Samples Sent to Geological Survey ☐ Yes ☒ No
 Cores Taken ☐ Yes ☒ No

Formation Description
☐ Log ☐ Sample

Name Top Bottom

See attached sheet.

See attached sheet.

TUBING RECORD		size none 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
 1560-1566

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 5/8"	19.5	125	Portland	94	3% cal.
Production	6 1/2"	4 1/2"	9.5	1115	Poz Mix	204	6% gilsonite
				1665	OWC	60	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	1560-1566			none			

36-9-19E

Vanderweide #3
Jefferson County, Kansas

API#15-087-20,135

DRILLER'S LOG

CANEY VALLEY

0-34	34	clay	811-851	40	limestone
34-63	29	shale	851-992	141	shale
63-82	19	sand	992-997	5	limestone
82-128	46	shale	997-1001	4	shale
128-169	41	gravel	1001-1004	3	limestone Lenapa
169-184	15	limestone	1004-1011	7	shale
184-201	17	shale	1011-1019	8	limestone Altam
201-205	4	limestone	1019-1032	13	shale
205-210	5	shale	1032-1035	3	limestone Pawnee
210-228	18	limestone	1035-1042	7	shale
228-234	6	shale	1042-1049	7	limestone
234-236	2	limestone			Ft. Scott
236-244	8	shale	1049-1057	8	shale
244-249	5	sandy shale	1057-1060	3	limestone
249-257	8	limestone	1060-1068	8	shale
257-401	144	sandy shale	1068-1072	4	limestone
401-430	29	sand	1072-1176	104	shale
430-514	84	shale	1176-1179	3	limestone
514-547	33	limestone	1179-1214	35	shale
547-570	23	shale	1214-1229	15	sandy shale
570-589	29	limestone	1229-1254	25	shale
589-618	29	shale	1254-1300	46	sandy shale
618-634	16	limestone	1300-1312	12	sand (Oil show)
634-690	56	shale	1312-1439	127	sandy shale
690-718	28	limestone	1439-1449	10	limestone
718-730	12	shale	1449-1534	85	sandy shale
730-740	10	limestone	1534-1541	7	sand
740-755	15	shale	1541-1552	11	sandy shale
755-800	45	limestone	1552-1586	37	sand gas odor
800-811	11	shale	1586-1680	TD	Miss. Limestone

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36-1-176

S. Vanderweide #3
4290'N & 4950'W
cSW NW NW Sec. 36 , T9S, R13E Jefferson County, Kansas
Surface elevation: 1114.3 feet ASL (survey surface casing)
All depths from surface elevation.

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.)	519	596	
T. Vilas shale	550	565	
T. Plattsburg limestone	562	543	
T. Kansas City (T. Bonner Springs)	590	525	
T. Wyandotte limestone	619	496	
T. Lane shale	696	419	
T. Iola limestone	706	409	
T. Chanute shale	742	372	
T. Drum limestone	756	359	
T. Cherryvale shale	761	354	
T. Dennis limestone	679	436	
T. Galesburg shale	806	309	
T. Swope limestone	809	306	
T. Ladore shale	836	279	
T. Hertha limestone	840	275	
B. Kansas City (B. Hertha/ T. Pleasanton Group)	865	250	
T. Marmaton Gp. (T. Lenapah lm.)	992	+123	
T. Nowata shale	1005	+110	
T. Altamont limestone	1012	103	
T. Bandera shale	1036	79	
T. Pawnee limestone	1043	72	
T. Labette shale	1064	51	
T. Fort Scott limestone	1070	45	
T. Cherokee Group	1082	+32	
T. Squirrel sandstone			Not present
T. Bevier coal bed	1172	-57	
T. Ardmore limestone			Not present
T. Croweburg coal bed	1205	-90	
T. Fleming coal bed	1251	-136	
T. Mineral coal bed	1261	-146	
T. Upper Cattleman sandstone	1284	-166	12' shaly water sandstone
T. Scammon coal bed	1318	-203	4-7 ohmm
T. Middle Cattleman ss.	1322	-206	16' shaly water sandstone
			5 ohmm
T. Lower Cattleman ss.	1360	-245	14' shaly water sandstone
			5-7 ohmm
T. Tebo coal bed			Not present
T. Wier-Pittsburg coal bed	1396	-287	

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Not present
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30-9-19E
S. Vandeweide
3

Summary Continued

<u>Geologic Section</u>	<u>Depth</u>	<u>Datum</u>	<u>Remarks</u>
T. Dry Wood coal bed	1463	-348	
T. Rowe coal bed	1473	-358	
T. Neutral coal bed	1478	-363	
T. Upper McLouth sandstone			Not present
T. Middle McLouth sandstone	1528	-413	14' shaly water sandstone 6-7 ohmm
T. Lower McLouth sandstone	1553	-438	33' gas sandstone, good shc of gas, 20' 61 ohmm sand, bottom 10' 45-10 ohmm
T. Burgess sandstone			Not present
T. Mississippian limestone	1585	-470	
T. Warsaw limestone	1610	.495	
T. 40 foot dolomite zone	1640	-525	
T. Osage (Burlington/Keokuk)			T.D. Above this zone
T.D.	1680		

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