

Operator Name: Kevin F Carothers Lease Name: Carothers Well #: 2
 Sec. 23 Twp. 20 S. R. 23 East West County: Lian

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, Submit Copy) List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name <u>Sea land</u> Top Datum <u>+459</u>
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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	8 3/4	8 3/4 6 1/4		20' 6"	portland	5	
Long string	3 5/8	2 3/8		44 1/2'	portland	58	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

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TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>11-28-10</u>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: TD = <u>449</u> Packer = <u>44 1/2</u>
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Lease:
 Owner: Kevin + Clayton Carothers
 OPR #: 34336
 Contractor: Dale Jackson Production Co.
 OPR #: 4339
 Surface: 20' cfb
 Cemented: 5
 Hole Size: 8 3/4
 Longstring 44 1/2
 Cemented: 56
 Hole Size: 5 5/8

Dale Jackson Production Co.
 Box 266, Mound City, Ks 66056
 Cell # 620-363-2683
 Office # 913-795-2991

Location: SE NE NW S23 T20R2
 County: Linn
 FSL: 1086
 FEL: 2,122
 API#: 15-107-24142-00-00
 Started: 3-8-10
 Completed: 3-11-10
 TD: 449'

SN: None
 Packer: 44 1/2
 Plugged:
 Bottom Plug:

Well Log

TKN	BTM Depth	Formation	TKN	BTM Depth	Formation
2	2	Top soil	4	403	Sandy shale slight odor
5	7	Lime	2	405	Sand (Strong odor) some oil show
7	14	Clay			
1	15	Black shale	20	420	Shale
17	32	Lime	8	436	Gas sand (Fair odor) some shale
5	37	Shale			
2	39	Black shale	1 1/2	443	Gas sand
2	41	Lime	2	445	Sand (shaly) (Gas & some oil)
9	50	Shale	TD	449	Shale
3	53	Lime			
1	54	Black shale			
4	58	Shale			
8	66	Light shale (Lime)			
98	164	Shale			
1	165	Coal			
11	176	Shale			
6	183	Red Bed			
2	185	Shale			
1	186	Coal			
8	194	Shale			
16	210	Sandy shale			
18	229	Shale			
8	236	Lime (Strong odor)			
14	240	Light shale			
1	241	Sand			
12	253	Sand (Strong odor)			
3	255	Sand (Fair odor)			
4	259	Sand (some shale) Fair odor			
2	261	Light sandy shale (Sand str) Fair odor			
4	265	Sand (shaly) (Strong odor)			
15	290	Shale			
2	292	Coal			
5	297	Shale			
8	295	Lime			
13	308	Shale			
4	312	Lime (Strong odor)			
3	315	Black shale			
19	339	Shale			
6	345	Lime			
8	353	Shale (lime str)			
6	359	Shale			
5	364	Lime (Strong odor)			
3	367	Shale			
3	370	Black shale			
7	377	Shale			
3	380	Lime			
19	399	Shale			

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