

Operator Name: Tailwater, Inc. Lease Name: Kempnich Well #: 12-T
 Sec. 22 Twp. 20 S. R. 20 East West County: Anderson

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Gamma Ray/Neutron	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Bartlesville Driller's Log Attached
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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	9 7/8"	7"		25'	Portland	6	
Completion	5 5/8"	2 7/8"		724.05'	Portland	117	50/50 POZ

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 <i>(Amount and Kind of Material Used)</i>	Depth
2	672' - 678' (13 perfs)	Acid spot 15% HCL 100 gal.	
		30 sx sand - 150 bbls H2O	

TUBING RECORD	Size <u>2 7/8"</u>	Set At <u>724.05'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. 6/30/08	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. 10	Gas Mcf 0	Water Bbls. none	Gas-Oil Ratio n/a	Gravity
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Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled _____
 Other (Specify) _____

Production Interval

HAT DRILLING
12371 KS HWY 7
MOUND CITY, KS 66056
LICENSE # 33734

KEMPNICH #12-T
API# 15-003-24518-00-00
SPUD DATE 4-30-08

Footage	Formation	Thickness
2	Topsoil	2
20	clay	18
84	shale	64
113	lime	29
130	shale	17
134	red bed	4
156	shale	22
167	sandy shale	11
181	shale	14
191	lime	10
197	shale	6
227	lime	30
235	shale	8
238	blk shale	3
288	lime	50
420	shale	132
453	sandy shale	33
456	shale	3
458	lime	2
460	shale	2
461	sandy shale	1
462	lime	1
464	red bed	2
466	shale	2
468	lime	2
473	shale	5
483	lime	10
490	sandy shale	7
499	lime	9
501	shale	2
502	coal	1
504	shale	2
520	sandy shale	16
527	shale	7
530	coal	3
531	shale	1

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CONSERVATION DIVISION
WICHITA, KS

Kempnich #12-T

Footage	Formation	Thickness	
541	lime	10	
543	sandy shale	2	
546	shale	3	
548	lime	2	
551	shale	3	
558	lime	7	
563	blk shale	5	
570	shale	7	
572	white shale	2	
576	shale	4	
592	lime	16	
597	sandy shale	5	
606	shale	9	
610	lime	4	
616	blk shale	6	
637	white shale	21	
640	sandy shale	3	
673	shale	33	
674	sandy shale	1	
678	sand	4	good odor and bleed
679	sandy shale	1	
728	shale	49	

TD 728'

Run 724.05' of 2 7/8

Set 25' of 7" and cement with 6 bags of cement

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CONSERVATION DIVISION
WICHITA, KS