

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365
Name: Layne Energy Operating, LLC
Address: 1900 Shawnee Mission Parkway
City/State/Zip: Mission Woods, KS 66205
Purchaser: _____
Operator Contact Person: Timothy H. Wright
Phone: (913) 748-3960
Contractor: Name: McPherson Drilling
License: 5675
Wellsite Geologist: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>6/26/2007</u>	<u>6/28/2007</u>	<u>8/6/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-27218-00-00
County: Wilson
____ NE SE Sec. 20 Twp. 30 S. R. 17 East West
1791 feet from S / N (circle one) Line of Section
350 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Worthy Well #: 9-20
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 951' Kelly Bushing: _____
Total Depth: 1229' Plug Back Total Depth: 1224'
Amount of Surface Pipe Set and Cemented at 22 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1224
feet depth to Surface w/ 110 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content N/A ppm Fluid volume _____ bbls
Dewatering method used N/A - Air Drilled
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]
Title: Agent Date: 10-12-07
Subscribed and sworn to before me this 18 day of October
20 07
Notary Public: MacLaughlin Darling
Date Commission Expires: 1-4-2009

KCC Office Use ONLY
 Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
UIC Distribution
RECEIVED
KANSAS CORPORATION COMMISSION
OCT 19 2007

MacLAUGHLIN DARLING
Notary Public - State of Kansas
My Appt. Expires 1-4-2009

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Worthy Well #: 9-20
 Sec. 20 Twp. 30 S. R. 17 East West County: Wilson

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: Compensated Density Neutron Dual Induction	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>596 GL</td> <td>355</td> </tr> <tr> <td>Excello Shale</td> <td>719 GL</td> <td>232</td> </tr> <tr> <td>V Shale</td> <td>780 GL</td> <td>171</td> </tr> <tr> <td>Mineral Coal</td> <td>819 GL</td> <td>132</td> </tr> <tr> <td>Mississippian</td> <td>1118 GL</td> <td>-167</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	596 GL	355	Excello Shale	719 GL	232	V Shale	780 GL	171	Mineral Coal	819 GL	132	Mississippian	1118 GL	-167
Name	Top	Datum																	
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Mississippian	1118 GL	-167																	

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CASING RECORD <input checked="" 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	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"	24	22'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1224'	Thick Set	110	#10 KOL seal @ sx

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
	See Attached Page		

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>973'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>8/9/2007</u>		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>8</u>	Water Bbls. <u>41</u>	Gas-Oil Ratio Gravity

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 _____

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Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Worthy 9-20		
	Sec. 20 Twp. 30S Rng. 17E, Wilson County		
API:	15-205-27218-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations			
4	Bluejacket 946' - 949' Weir 907' - 910'	5800 lbs 20/40 sand 469 bbls water 650 gals 15% HCl acid	907' - 949'
4	Mineral 819' - 821' Croweburg 782' - 786' Iron Post 754' - 756.5'	8900 lbs 20/40 sand 629 bbls water 750 gals 15% HCl acid	754' - 821'
4	Mulky 719.5' - 726' Summit 701' - 706' Mulberry 592' - 596'	10800 lbs 20/40 sand 705 bbls water 730 gals 15% HCl acid	592' - 726'

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GEOLOGIC REPORT

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LAYNE ENERGY
Worthy 9-20
NE SE, 1791 FSL, 350 FEL
Section 20-T30S-R17E
Wilson County, KS

Spud Date: 6/26/2007
Drilling Completed: 6/28/2007
Logged: 6/28/2007
A.P.I. #: 15205272180000
Ground Elevation: 951'
Depth Driller: 1229'
Depth Logger: 1223'
Surface Casing: 8.625 inches at 21'
Production Casing: 4.5 inches at 1224'
Cemented Job: 0
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

Formation

Tops

	(below ground)	(subsea)
Surface (Chanute Shale)		951
Kansas City Group	596	355
Pawnee Limestone	719	232
Excello Shale	780	171
"V" Shale	819	132
Mineral Coal	1,118	-167
Mississippian		

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WICHITA, KS

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Daily Well Work Report

WORTHY 9-20
6/28/2007

Well Location:
WILSON KS
30S-17E-20 NE SE
1791FSL / 350FEL

Cost Center C01031400100
Lease Number C010314
Property Code KSCV30S17E2009
API Number 15-205-27218

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
6/26/2007	6/28/2007	8/6/2007	8/9/2007	8/9/2007	WORTHY_9_20
TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1229	1224	22	1224		

Reported By krd	Rig Number	Date 6/26/2007
Taken By krd		Down Time
Present Operation Drill out from under surface		Contractor McPherson

Narrative

Miru McPherson Drilling, drilled 11" hole, 22' deep, rih w/ 1 jt 8-5/8" surface casing, mxd 4 sxs type 1 cmt, dumped dn the backside, sdfn.
DWC: \$ 2,880

Monday, October 15, 2007

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REGISTRATION DIVISION
WICHITA, KS

CONSOLIDATED OIL WELL SERVICES, LLC
 P.O. BOX 884, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

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TICKET NUMBER 12079
 LOCATION EUREKA
 FOREMAN KEVIN MCCOY

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-28-07	4758	Worthy 9-20				WILSON
CUSTOMER <u>Layne Energy</u>			Gus Jones Rig 1			
MAILING ADDRESS <u>P.O. Box 160</u>						
CITY <u>Sycamore</u>	STATE <u>Ks</u>	ZIP CODE	TRUCK # <u>445</u>	DRIVER <u>CLIFF</u>	TRUCK #	DRIVER
			<u>515</u>	<u>CALIN</u>		

JOB TYPE Logging HOLE SIZE 6 3/4 HOLE DEPTH 1229' CASING SIZE & WEIGHT 4 1/2 10.5# new
 CASING DEPTH 1224' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.2# SLURRY VOL 34 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 0'
 DISPLACEMENT 20 BBL DISPLACEMENT PSI 600 PSI 1100 Bump Plug RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break Circulation w/ 20 BBL Fresh water. Pump 8 sig gal flush w/ HULLS, 5 BBL water spacer, 20 BBL Metasilicate Pre Flush, 5 BBL water spacer, 10 BBL Dye water. mixed 110 SKS Thick Set Cement w/ 10" Kol-Seal per/sk @ 13.2# per/gal. Yield 1.75. wash out Pump & Lines. Shut down. Release Plug. Displace w/ 20 BBL Fresh water. Final Pumping Pressure 600 psi. Bump Plug to 1100 psi. wait 2 minutes. Release Pressure. FLOAT Held. Good Cement Returns to Surface = 4 BBL Slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	0	MILEAGE 2 nd well 2	0	0
1126 A	110 SKS	THICK SET Cement	15.40	1694.00
1110 A	1100 #	KOL-SEAL 10" per/sk	.75	825.00
1118 A	400 #	Gel Flush	.15 #	60.00
1105	50 #	HULLS	.36 #	18.00
1102	80 #	CABLE	.67 #	53.60
1111 A	100 #	Metasilicate Pre Flush	1.65	165.00
5407 A	6.05 TONS	40 miles Bulk TRUCK	1.10	66.55
4404	1	4 1/2 Top Rubber Plug	40.00	40.00
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			OCT 19 2007	
			CONSERVATION DIVISION OKS	
			SALES TAX	157.26
			ESTIMATED TOTAL	3709.06

THANK YOU
 014416

AUTHORIZATION Called By Gus Jones TITLE Contractor DATE _____
 3709.06