

Operator Name: Layne Energy Operating, LLC Lease Name: Darbro Well #: 4-14
 Sec. 14 Twp. 32 S. R. 13 East West County: Montgomery

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>1007 GL</td> <td>-162</td> </tr> <tr> <td>Excello Shale</td> <td>1144 GL</td> <td>-299</td> </tr> <tr> <td>V-Shale</td> <td>1193 GL</td> <td>-348</td> </tr> <tr> <td>Mineral Coal</td> <td>1238 GL</td> <td>-393</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	1007 GL	-162	Excello Shale	1144 GL	-299	V-Shale	1193 GL	-348	Mineral Coal	1238 GL	-393
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KCC 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	# Sacs Used	Type and Percent Additives
Surface	11"	8.625"	24	100'	Class A	50	Type 1 cement
Casing	6.75"	4.5"	10.5	1450'	Thick Set	200	50/50 posmix w/2% gel

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
	See Attached Page		

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>1327'</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. <u>4/23/2008</u>	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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	RECEIVED
	0	43	0		KANSAS CORPORATION COMMISSION

Disposition of Gas _____ METHOD OF COMPLETION _____ Production Interval _____

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, Submit ACO-18.) Other (Specify) _____

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Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Darbro 4-14		
	Sec. 14 Twp. 32S Rng. 13E, Montgomery County		
API:	15-125-31480-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (April 2008)			
4	Mineral 1237.5' - 1239'	2500 lbs 20/40 sand 195 bbls water 300 gals 15% HCl acid	1237.5' - 1239'
4	Croweburg 1194' - 1197' Iron Post 1173.5' - 1174.5'	5300 lbs 20/40 sand 362 bbls water 400 gals 15% HCl acid	1173.5' - 1197'
4	Mulky 1144.5' - 1148' Summit 1121.5' - 1123'	7900 lbs 20/40 sand 433 bbls water 400 gals 15% HCl acid	1121.5' - 1148'

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WICHITA, KS

Daily Well Work Report

DARBRO 4-14

2/26/2008

Well Location:
MONTGOMERY KS
32S-13E-14 NW NW
696FNL / 357FWL

Cost Center G01069800100
Lease Number G010698
Property Code KSLE32S13E1404
API Number 15-125-31480

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
2/22/2008	2/26/2008	4/4/2008	4/23/2008	4/23/2008	DARBRO_4_14

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1455	1450	100	1450	0	0

Reported By KRD **Rig Number**
Taken By KRD
Present Operation DRILL OUT FROM UNDER SURFACE

Date 2/22/2008

Down Time

Contractor

2/22/2008

THORNTON

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Narrative

MIRU THORNTON, DRILLED 11" HOLE, 100' DEEP, RIH W/ 5 JTS 8 5/8" SURFACE CASING, MIRU CONSOLIDATED TO 8-5/8" CSG. BREAK CIRCULATION W/WATER. MIXED 50 SKS CLASS A CEMENT W/2% GEL AND 2% CACLZ @ 15#/GAL. DISPLACE WITH 5 BBLs WATER. SHUT CASING IN W/GOOD CEMENT TO SURFACE. DWC:\$5,340 CWC:\$5,340

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

TICKET NUMBER 13562
 LOCATION EUREKA
 FOREMAN RICK LEBRON

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
2-27-08	4258	<i>DARBRO</i> 4-14				<i>MA</i>																
CUSTOMER <i>Layne Energy</i> <i>DARBRO</i>			<table border="1"> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> <tr> <td><i>463</i></td> <td><i>Kyle</i></td> <td></td> <td></td> </tr> <tr> <td><i>439</i></td> <td><i>Jim</i></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	<i>463</i>	<i>Kyle</i>			<i>439</i>	<i>Jim</i>						
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<i>463</i>	<i>Kyle</i>																					
<i>439</i>	<i>Jim</i>																					
MAILING ADDRESS <i>P.O. Box 160</i>																						
CITY <i>Sycamore</i>	STATE <i>KS</i>	ZIP CODE																				
Gus Jones																						

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1455' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1450' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.9" SLURRY VOL 50 bbl WATER gal/sk 6.1 CEMENT LEFT IN CASING 0'
 DISPLACEMENT 23 bbl DISPLACEMENT PSI 600 PSI 1100 RATE _____

REMARKS: *Safety meeting Rig up to 4 1/2" casing. Break circulation w/ 30 gal fresh water. Pump 6 sacs gel-flush w/ hulls, 15 gal water spacer, 5 gal dye water. Mixed 200 sacs 50/50 premix cement w/ 270 gal, 2% cacl2, 4" cat-sol, 3" cat-sol, 1/4" flake, 1/2" R-110, 1/4" cat-38 @ 13.9" w/c, yield 1.0. Washout pump + lines. shut down. release plug. Displace w/ 23 bbl fresh water. Final pump pressure 600 PSI Pump plug to 1100 PSI. wait 2 mins. release pressure. float hold. Good cement returns to surface = 7 bbl slurry to pit. Job complete. Rig down.*

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"Thank You"

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	875.00	875.00
5406	40	MILEAGE	3.45	138.00
1124	200 sacs	50/50 Premix cement	9.30	1860.00
1118A	340"	2% gal	.16	54.40
1102	290"	2% cacl2	.76	238.00
1110A	800"	Kat-sol 4" w/c	.40	320.00
1101	600"	cat-sol 3" w/c	.35	210.00
1107	50"	1/4" flake w/c	1.98	99.00
1135	84"	R-110 1/2"	7.15	600.60
1146	42"	cat-38 1/4"	7.30	306.60
1118A	300"	gel-flush	.16	48.00
1105	50"	hulls	.37	18.50
5402A	8.4	ten mileage bulk tax	1.14	323.04
4404	1	4 1/2" top rubber plug	42.00	42.00
			Subtotal	5193.14
			SALES TAX	201.84
			ESTIMATED TOTAL	5394.98

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200462

AUTHORIZATION *Jacob Melzer*

TITLE _____

DATE _____

5394.98

GEOLOGIC REPORT

LAYNE ENERGY
Darbro 4-14
NW NW, 696 FNL, 357 FWL
Section 14-T32S-R13E
Montgomery County, KS

Spud Date: 2/22/2008
Drilling Completed: 2/26/2008
Logged: 2/26/2008
A.P.I. #: 15125314800000
Ground Elevation: 845'
Depth Driller: 1455'
Depth Logger: 1455'
Surface Casing: 8.625 inches at 100'
Production Casing: 4.5 inches at 1450'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

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Formation	Tops	
	(below ground)	(subsea)
Quaternary	Surface (Alluvium)	845
Pawnee Limestone	1,007	-162
Excello Shale	1,144	-299
"V" Shale	1,193	-348
Mineral Coal	1,238	-393
Mississippian		

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