

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

10/30/09

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  SLOW  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>7/26/2007</u>	<u>7/27/2007</u>	<u>Pending</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31410-00-00  
County: Montgomery  
\_\_\_\_\_ NE SW Sec. 28 Twp. 32 S. R. 16  East  West  
1691 feet from  N (circle one) Line of Section  
1833 feet from E  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW  SW  
Lease Name: Barta Well #: 11-28  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 776' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1150' Plug Back Total Depth: 1137'  
Amount of Surface Pipe Set and Cemented at 21 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1137  
feet depth to Surface w/ 120 sx cmt.

Drilling Fluid Management Plan AK #NS 3-11-09  
(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.: \_\_\_\_\_

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**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: 10-30-07  
Subscribed and sworn to before me this 30 day of October  
2007  
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  
**RECEIVED**  
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**OCT 31 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: Barta Well #: 11-28  
 Sec. 28 Twp. 32 S. R. 16  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>527 GL</td> <td>249</td> </tr> <tr> <td>Excello Shale</td> <td>687 GL</td> <td>89</td> </tr> <tr> <td>V-Shale</td> <td>736 GL</td> <td>40</td> </tr> <tr> <td>Mississippian</td> <td>1092 GL</td> <td>-316</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	527 GL	249	Excello Shale	687 GL	89	V-Shale	736 GL	40	Mississippian	1092 GL	-316
Name	Top	Datum														
Pawnee Lime	527 GL	249														
Excello Shale	687 GL	89														
V-Shale	736 GL	40														
Mississippian	1092 GL	-316														

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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	# Sacs Used	Type and Percent Additives
Surface	11"	8.625"	24	21'	Class A	30	Type 1 cement
Casing	6.75"	4.5"	10.5	1137'	Thick Set	120	#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	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <b>SI - waiting on pipeline</b>		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  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

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<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Barta 11-28		
	Sec. 28 Twp. 32S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-31410-00-00		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
<b>Initial Perforations</b>			
4	Rowe 1024' - 1026'	2417 lbs 20/40 sand 249 bbls water 200 gals 15% HCl acid	1024' - 1026'
4	Weir 863.5' - 866'	3806 lbs 20/40 sand 295 bbls water 200 gals 15% HCl acid	863.5' - 866'
4	Mineral 776' - 777.5' Croweburg 738' - 740.5' Iron post 710' - 712'	9108 lbs 20/40 sand 695 bbls water 700 gals 15% HCl acid	710' - 777.5'
4	Mulky 688' - 691.5' Summit 667' - 669'	8684 lbs 20/40 sand 636 bbls water 500 gals 15% HCl acid	667' - 691.5'

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# GEOLOGIC REPORT

LAYNE ENERGY  
Barta 11-28  
NE SW, 1691 FSL, 1833 FWL  
Section 28-T32S-R16E  
Montgomery County, KS

Spud Date: 7/26/2007  
Drilling Completed: 7/27/2007  
Logged: 7/28/2007  
A.P.I. #: 15125314100000  
Ground Elevation: 776'  
Depth Driller: 1150'  
Depth Logger: 1144'  
Surface Casing: 8.625 inches at 20'  
Production Casing: 4.5 inches at 1137'  
Cemented Job: 0  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

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## Formation

	Tops	
	(below ground)	(subsea)
	Surface (Nellie Bly Formation)	776
Kansas City Group		
Pawnee Limestone	527	249
Excello Shale	687	89
"V" Shale	736	40
Mineral Coal	776	0
Mississippian	1,092	-316

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CONSOLIDATED OIL WELL SERVICES, LLC

P.O. BOX 884, CHANUTE, KS 66720

620-431-9210 OR 800-467-8676

TICKET NUMBER

12324

LOCATION EUREKA

FOREMAN RICK LOONAN

TREATMENT REPORT & FIELD TICKET  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-30-07	4258	BARTA 11-28				MG
CUSTOMER						
LAME EASY						
MAILING ADDRESS						
P.O. Box 1100						
CITY STATE ZIP CODE						
Syracuse KS						
TRUCK # DRIVER TRUCK # DRIVER						
463 Kyle CONFIDENTIAL						
502 Shannon OCT 31 2007						
434 Jim						
KPC						

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1150' CASING SIZE & WEIGHT 4 1/2" 10.5"  
 CASING DEPTH 1137' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2" SLURRY VOL 37 bbl WATER gal/sk 8.0 CEMENT LEFT IN CASING 0'  
 DISPLACEMENT 18 bbl DISPLACEMENT PSI 500 PSI 1000 RATE \_\_\_\_\_

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 85 bbl fresh water. Pump 8 sacks gel-flush w/ hulls, 10 bbl water spacer. 20 bbl metasilicate pre-flush, 9 bbl dye water. Mixed 180 sacks thicket cement w/ 10" Kelzon 10" @ 13.2" w/ local washout pump & lines shut down, release plug. Displace w/ 18 bbl fresh water. Final pump pressure 500 PSI. Pump plug to 1000 PSI wait 2 mins. release pressure. Cement returns to surface - 7 bbl slurry to pit. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	40	MILEAGE	3.50	140.00
1126A	120 SXS	thicket cement	15.00	1800.00
1110A	1200 "	Kelzon 10" @ 10" / sk	.38	456.00
1118A	400 "	gel-flush	.15	60.00
1105	50 "	hulls	.36	18.00
1102	80 "	casel	.62	50.00
1111A	100 "	metasilicate pre-flush	1.05	105.00
5407A	6.6	600-mileage bulk tax	1.10	726.00
4404	1	4 1/2" top rubber plug	40.00	40.00
5502C	4 hrs	80 bbl WAX TRX	75.00	300.00
1123	3000 gals	city water	12.00	36.00
				5.32
				SALES TAX
				ESTIMATED TOTAL
				4443.39

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WICHITA, KS

215115

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TITLE Co. Rep.

DATE \_\_\_\_\_

4443.39

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

TICKET NUMBER 12320  
 LOCATION FLORA  
 FOREMAN RICK LAMM

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-26-07	4758	BARTA 11-28				MC
CUSTOMER LAME Energy			TRUCK # DRIVER			
MAILING ADDRESS P.O. Box 100			502 Kyle			
CITY STATE ZIP CODE Sycamore KS			502 Shannon			
			OCT 30 2007			
			KCC			

JOB TYPE Surface HOLE SIZE 11" HOLE DEPTH 21' CASING SIZE & WEIGHT 8 5/8"  
 CASING DEPTH 20' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15" SLURRY VOL \_\_\_\_\_ WATER gal/sk 6.5 CEMENT LEFT in CASING 5'  
 DISPLACEMENT 3/4 gbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting. Rig up to 8 5/8" casing. Break circulation w/ 5 gbl fresh water. Mixed 30 sacks class "A" cement w/ 220 sacks, 220 gal & 1/4" flocc @ 15-100 lb. Displace w/ 3/4 gbl fresh water. Shut casing in w/ good cement returns to surface. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	650.00	650.00
5406	40	MILEAGE	3.50	132.00
11045	30	class "A" cement	12.20	366.00
1102	55"	220 CCKLE	.67	36.85
11184	55"	220 gal	.18	9.25
1107	8"	1/4" flocc 100/lb	1.90	15.20
5407		ten-mileage bulk tx	22.50	225.00
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			S. Lamm	1478.30
			5.5%	SALES TAX 78.60
				ESTIMATED TOTAL 1515.90

AUTHORIZATION called by Dick TITLE Diller DATE \_\_\_\_\_

# Daily Well Work Report

BARTA 11-28

7/27/2007

**Well Location:**  
MONTGOMERY KS  
32S-16E-28 NE SW  
1691FSL / 1833FWL

**Cost Center** C01033700100  
**Lease Number** C010337  
**Property Code** KSCV32S16E2811  
**API Number** 15-125-31410

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
7/26/2007	7/27/2007				
TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1150	1137	21	1137		

<b>Reported By</b> krd	<b>Rig Number</b>	<b>Date</b> 7/26/2007
<b>Taken By</b> krd		<b>Down Time</b>
<b>Present Operation</b> Drill out from under surface		<b>Contractor</b> McPherson

## Narrative

MIRU McPherson Drilling, drilled 11' hole, 21' deep, rih w/2jt 8-5/8" surface casing. RU Consolidated to csg, break circulation with 5 bbls fresh water. Mixed 30 sks class "A" cement with 2% CALCZ, 2% gel and 1/4# Flocele per sk @ 15 #. Displace with 3/4 bbl freish water. Shut casing in w/good cement returns to the surface. Mixed 10 sxs type 1 cement, dumped dn the back side. SDFN. DWC:\$4,316

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