

CONFIDENTIAL

ORIGINAL 1/29/11

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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: CONFIDENTIAL
Operator Contact Person: Timothy H. Wright
Phone: (913) 748-3960
Contractor: Name: Thornton Air Rotary
License: 33606

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. _____

10/24/2008	10/27/2008	12/8/2008
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31783-00-00
County: Montgomery
 SW NW Sec. 6 Twp. 31 S. R. 17 East West
1895 feet from S / (circle one) Line of Section
644 feet from E / (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Tucker Well #: 5-6
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 881' Kelly Bushing: _____
Total Depth: 1225' Plug Back Total Depth: 1205'
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 1205
feet depth to Surface w/ 125 sx cmt.

Drilling Fluid Management Plan AK IJV 4-13-09
(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.: _____

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: Project Engineer Date: 1/29/09
Subscribed and sworn to before me this 29 day of January,
2009.
Notary Public: MacLaughlin Darling
Date Commission Expires: 1-4-2013

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
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CONSERVATION DIVISION
WICHITA, KS

MacLAUGHLIN DARLING
Notary Public - State of Kansas
My Appt. Expires 1-4-2013

KCC

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Side Two

Operator Name: Layne Energy Operating, LLC Lease Name: Tucker CONSERVATION Well #: 5-6
Sec. 6 Twp. 31 S. R. 17 [X] 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 [] Yes [X] No
Samples Sent to Geological Survey [] Yes [X] No
Cores Taken [] Yes [X] No
Electric Log Run [X] Yes [] No
List All E. Logs Run:
Compensated Density Neutron
Dual Induction

Table with 3 columns: Name, Top, Datum. Rows include Pawnee Lime (597 GL, 284), Excello Shale (734 GL, 147), V-Shale (791 GL, 91), Mineral Coal (828 GL, 53), Mississippi (1134 GL, -253).

CASING RECORD table with columns: Purpose of String, Size Hole Drilled, Size Casing Set, Weight Lbs. / Ft., Setting Depth, Type of Cement, # Sacs Used, Type and Percent Additives. Rows for Surface and Casing.

ADDITIONAL CEMENTING / SQUEEZE RECORD table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD - Bridge Plugs Set/Type table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record, Depth.

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TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run, Date of First, Resumerd Production, SWD or Enhr., Producing Method, Estimated Production Per 24 Hours.

Disposition of Gas METHOD OF COMPLETION Production Interval
[] Vented [X] Sold [] Used on Lease [] Open Hole [X] Perf. [] Dually Comp. [X] Commingled
[] Other (Specify)

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Tucker 5-6		
	Sec. 6 Twp. 31S Rng. 17E, Montgomery County		
API:	15-125-31783-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (December 2008)			
4	Riverton 1123.5' - 1126.5'	3600 lbs 20/40 sand 225 bbls water 300 gals 15% HCl acid	1123.5' - 1126.5'
4	Neutral 1077' - 1078.5' Rowe 1067.5' - 1069'	4800 lbs 20/40 sand 382 bbls water 400 gals 15% HCl acid	1067.5' - 1078.5'
4	Mineral 828' - 829.5'	2800 lbs 20/40 sand 174 bbls water 100 gals 15% HCl acid	828' - 829.5'
4	Croweburg 791' - 794.5' Iron Post 766.5' - 768.5'	6700 lbs 20/40 sand 424 bbls water 520 gals 15% HCl acid	766.5' - 794.5'
4	Mulky 735.5' - 741.5'	7200 lbs 20/40 sand 320 bbls water 300 gals 15% HCl acid	735.5' - 741.5'
4	Summit 713.5' - 716'	2400 lbs 20/40 sand 168 bbls water 300 gals 15% HCl acid	713.5' - 716'

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GEOLOGIC REPORT

LAYNE ENERGY
Tucker 5-6
SW NW, 1895 FNL, 644 FWL
Section 6-T31S-R17E
Montgomery County, KS

Spud Date: 10/24/2008
Drilling Completed: 10/27/2008
Logged: 10/27/2008
A.P.I. #: 15125317830000
Ground Elevation: 881'
Depth Driller: 1225'
Depth Logger: 1227'
Surface Casing: 8.625 inches at 22'
Production Casing: 4.5 inches at 1205'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

Formation	Tops	
	(below ground)	(subsea)
Quaternary	Surface (Alluvium)	881
Pawnee Limestone	597	284
Excello Shale	734	147
"V" Shale	791	91
Mineral Coal	828	53
Mississippian	1,134	-253

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Daily Well Work Report

TUCKER 5-6
10/24/2008

Well Location:
MONTGOMERY KS
31S-17E-6 SW NW
1895FNL / 644FWL

Cost Center C01030100100
Lease Number C010301A
Property Code COLT-0188
API Number 15-125-31783

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnelID
10/24/2008	10/27/2008	12/8/2008	12/12/2008	12/11/2008	TUCKER_5_6

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1225	1205	22	1205		

Reported By KRD	Rig Number	Date 10/24/2008
Taken By KRD		Down Time
Present Operation DRILL OUT SURFACE		Contractor THORNTON ROTARY

Narrative

MIRU THORNTON DRILLING, DRILLED 11" HOLE, 22' DEEP, RIH W/1 JT 8 5/8" SURFACE CASING, MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN.
DWC:\$2880

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CONSOLIDATED
ON VULB SERVICES, L.L.C

ENTERED

TICKET NUMBER 20303

LOCATION EURORA

FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-28-09	4758	TUCKER 5-6				CG
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Layne Energy			4163	Shannon		
MAILING ADDRESS			429	John		
P.O. Box 1100						
CITY	STATE	ZIP CODE				
Sycamore	KS					

JOB TYPE longstring HOLE SIZE 6 3/4" HOLE DEPTH 1225' CASING SIZE & WEIGHT 4 1/2" 22.5"
 CASING DEPTH 1205' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 12.4" SLURRY VOL 38 Bbl WATER gal/sk 8.0" CEMENT LEFT IN CASING 0'
 DISPLACEMENT 19.2 Bbl DISPLACEMENT PSI 500 PSI 900 RATE _____

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Some circulation of 45 Bbl fresh water. Pump 10 sec gel-flush w/ hulls. 5 Bbl water spacer. Mixed 125 lbs thickset cement w/ 8" Kal-seal, 1/2" phenoseal, 1/2" 20 FL-110 + 1/4" 20 CAI-38 @ 12.4" yield 1.25. Washout pump + lines, shut down, release plug. Output w/ 19.2 Bbl fresh water. Final pump pressure 500 PSI. Pump plus to 900 PSI. Wait 2 minutes, release pressure, float held. Good cement returns to surface. 2 Bbl slurry to pit. Job complete. Rig down.

Thank You"

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	925.00
5406	40	MILEAGE	3.65	146.00
1126A	125 lbs	thickset cement	17.00	2125.00
1168	1000'	8" Kal-seal	1.10	1100.00
1167A	1.5'	1/2" phenoseal	1.15	17.25
1135	62'	1/2" 20 FL-110	7.50	465.00
1146	31'	1/4" 20 CAI-38	7.20	223.20
1118A	500'	gel-flush	17	85.00
1115	50'	hulls	39	1950
5407A	6.88	tan-mileage bulk trk	1.20	825.60
4404	1	4 1/2" top rubber plug	45.00	45.00
			5.32	4816.69
				181.00
				4997.70

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SALES TAX ESTIMATED TOTAL 4997.70

Ravin 3737

806945

AUTHORIZATION _____ TITLE _____ DATE 4997.70