

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

KCC
SEP 01 2005

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM **CONFIDENTIAL**

WELL HISTORY - DESCRIPTION OF WELL & LEASE
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Operator: License # 33365
 Name: Layne Energy Operating, LLC
 Address: 1900 Shawnee Mission Parkway
 City/State/Zip: Mission Woods, KS 66205
 Purchaser: _____
 Operator Contact Person: M. B. Natrass
 Phone: (913) 748-3987
 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. _____

5/11/2005	5/12/2005	6/8/2005
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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API No. 15 - 125-30747 - 00 - 00 ORIGINAL
 County: Montgomery
 _____ SW SW SW Sec. 21 Twp. 32 S. R. 16 East West
330 feet from (S) N (circle one) Line of Section
330 feet from E (W) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Dunbar Well #: 13-21
 Field Name: Brewster
 Producing Formation: Cherokee Coals
 Elevation: Ground: 780 Kelly Bushing: _____
 Total Depth: 1178 Plug Back Total Depth: 1167
 Amount of Surface Pipe Set and Cemented at 20' Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 1175
 feet depth to Surface w/ 135 sx cmt.

Drilling Fluid Management Plan
 (Data must be collected from the Reserve Pit) *Act II within 8-27-05*
 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: MB Natrass
 Title: Agent Date: 9/1/05
 Subscribed and sworn to before me this 1st day of September
2005
 Notary Public: Mr. Ahn
 Date Commission Expires: 10/14/2008

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

MARGARET ALLEN
 Notary Public - State of Kansas
 My Appt. Expires: 10/14/08

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Side Two

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Operator Name: Layne Energy Operating, LLC

Lease Name: Dunbar Well #: 13-21

Sec. 21 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Pawnee Lime	493	287
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	646	134
List All E. Logs Run:		V Shale	693	87
Compensated Density Neutron		Mineral Coal	731	49
Dual Induction		Mississippian	1088	-308

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	# Sacks Used	Type and Percent Additives
Surface	11"	8.625"	23	20'	Class A	4	Type 1 Cement
Casing	6 3/4"	4.5"	10.5	1175'	Thick Set	135	

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		
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TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes	<input checked="" type="checkbox"/> No
	2 3/8"	1093.5'				
Date of First, Resumed Production, SWD or Enhr.	Producing Method					
8/6/2005	Flowing		<input checked="" type="checkbox"/> Pumping	Gas Lift	Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	0	.8	55			

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, Sumit ACO-18.) Other (Specify) _____

15-125-30747-00-00

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GEOLOGIC REPORT

ORIGINAL

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LAYNE ENERGY

Dunbar 13-21

SW 1/4, SW 1/4, 330' FSL, 330' FWL

Section 21-T32S-R16E

MONTGOMERY COUNTY, KANSAS

Drilled: May 11-12, 2005

Logged: May 16, 2005

A.P.I.# 15-125-30747

Ground Elevation: 780'

Depth Driller: 1,178'

Depth Logger: 1,180'

Surface Casing: 8 5/8" @ 20'

Production Casing: 4 1/2" @ 1,175'

Cemented Job: Consolidated

Open Hole Logs: Compensated density neutron log, dual induction sfl/gr log

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FORMATION.....TOPS (in feet below ground surface)

Kansas City Group.....Surface (Nellie Bly Formation)

Lenapah Lime.....290

Altamont Lime.....334

Weiser Sand.....366

Pawnee Lime.....493

Anna Shale.....518

Lexington Coal.....522

Peru Sandstone.....537

First Oswego Lime.....585

Little Osage Shale.....618

Excello Shale.....646

Mulky Coal.....650

Iron Post Coal.....669

"V" Shale.....693

Croweburg Coal.....696

Mineral Coal.....731

AW Coal.....1,011

Riverton Coal.....1,066

Mississippian.....1,088

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SEP 17 2005
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ORIGINAL

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Dunbar 13-21		
	Sec. 21 Twp. 32S Rng. 16E, Montgomery County		
API:	15-125-30747		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1066-1068, 731-732.5, 693.5-697	Riverton, Mineral, Croweberg - 1,500gal 15% HCL + 375 bbls water + 3,700# 20/40 Sand	693.5-1068
4	668.5-670, 646-650, 618-620.5	Ironpost, Mulkey, Summit - 1,700gal 15% HCL + 460 bbls water + 4,800# 20/40 Sand	618-670

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CONSO ID: TED OIL WELL SERVICES,
 211 W. 14TH STREET, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

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TIC # NUMBER 3844
 LOCATION EUREKA
 FOREMAN Kevin McCay

CONFIDENTIAL TREATMENT REPORT & FIELD TICKET
CONFIDENTIAL CEMENT

ORIGINAL

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-17-05	0028	DUNBAR 13-21				MG
CUSTOMER <u>Layne Energy</u>						
MAILING ADDRESS <u>P.O. Box 160</u>						
CITY <u>Sycamore</u>		STATE <u>KS</u>	ZIP CODE			
		Gus Jones				
		TRUCK #	DRIVER	TRUCK #	DRIVER	
		445	RICK			
		442	Anthony			
		452-763	Jim			
		437	Calvin			

JOB TYPE Logstring HOLE SIZE 6 3/4 HOLE DEPTH 1178' CASING SIZE & WEIGHT 4 1/2 10.5# new
 CASING DEPTH 1175' DRILL PIPE _____ TUBING _____ OTHER P.B.T.P. 1167'
 SLURRY WEIGHT 13.2 # SLURRY VOL 42 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 8'
 DISPLACEMENT 18.5 BBL DISPLACEMENT PSI 600 MIX PSI 1100 Bump Plug RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break circulation w/ 40 BBL fresh water. Pump 10 BBL Metasilicate Pre flush, 10 BBL Dy-water. Mixed 135 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/ 18.5 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 = 8 BBL Slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	765.00	765.00
5406	0	MILEAGE IN field 2 nd well of 2	0	0
1126 A	135 SKS	Thick Set Cement	13.00	1755.00
1110 A	27 SKS	KOL-SEAL 10# per/sk	16.90	456.30
1111 A	50 #	Metasilicate Pre Flush	1.55 #	77.50
5407 A	2.4 TONS	25 miles	.72	170.20
5502 C	3 HRS	80 BBL VAC TRUCK	82.00	246.00
5501 C	3 HRS	TRANSPORT	88.00	264.00
5605 A	4 HRS	Welder	75.00	300.00
4311	1	4 1/2 weld on Collar	48.00	48.00
1123	6700 gals	City water	12.20 / 1000	80.74
11404	1	4 1/2 Top Rubber Plug	38.00	38.00
			Sub TOTAL	4202.34
		Thank you	SALES TAX 5.3%	130.21
			ESTIMATED TOTAL	4332.55

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AUTHORIZATION Called By John Ed TITLE 17201 DATE 09/31/05

