

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 33365  
Name: Layne Energy Operating, LLC  
Address: 1900 Shawnee Mission Parkway  
City/State/Zip: Mission Woods, KS 66205  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Victor H. Dyal  
Phone: ( 913 ) 748-3987  
Contractor: Name: MOKAT Drilling  
License: 5831  
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. \_\_\_\_\_  
2/14/2006    2/16/2006    3/8/2006  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

RECEIVED  
KANSAS CORPORATION COMMISSION  
MAY 25 2006  
CONSERVATION DIVISION  
WICHITA, KS

API No. 15 - 125-30947 - 00-00  
County: Montgomery  
\_\_\_\_\_ SW SW Sec. 34 Twp. 32 S. R. 16  East  West  
660 feet from  N (circle one) Line of Section  
660 feet from E /  W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Bustos Well #: 13-34  
Field Name: Brewster  
Producing Formation: Cherokee Coals  
Elevation: Ground: 778 Kelly Bushing: \_\_\_\_\_  
Total Depth: 1143' 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 1144'  
feet depth to Surface w/ 120 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: Victor H. Dyal  
Title: Agent Date: 5/24/06  
Subscribed and sworn to before me this 24<sup>th</sup> day of May  
20 Brooke C. Maxfield  
Notary Public: \_\_\_\_\_  
Date Commission Expires: 12/28/09

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

NOTARY PUBLIC -- State Of Kansas  
BROOKE C. MAXFIELD  
My Appt. Exp. 12/28/09

Operator Name: Layne Energy Operating, LLC Lease Name: Bustos Well #: 13-34  
 Sec. 34 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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

Compensated Density Neutron  
 Dual Induction

**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**MAY 2 5 2006**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Pawnee Lime	471 GL	307
Excello Shale	630 GL	148
V Shale	679 GL	99
Mineral Coal	721 GL	57
Mississippian	1058 GL	-280

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	8.65	24	21'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1144'	Thick Set	120	

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		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	1007'			
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
Waiting on pipeline			<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 (If vented, Submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval  Other (Specify) \_\_\_\_\_

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Bustos 13-34		
	Sec. 34 Twp. 32S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-30947		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	981.5-983, 796.5-799.5, 720-722	Rowe, Weir, Mineral - ATP 918, 15 min 372, 3500# 20/40 sand, 1000 gal 15% Hcl acid, 334 bbls wtr	720-983
4	690-691, 678.5-684.5, 654-655.5, 630-635, 600.5-604	Fleming, Croweberg, Ironpost, Mulky, Summit-ATP 811, 15 min 386, 7500# 20/40 sand, 2550 gal 15% HCl acid, 596 bbls wtr	600.5-691

**RECEIVED**  
**KANSAS CORPORATION COMMISSION**

**MAY 25 2006**

**CONSERVATION DIVISION**  
**WICHITA, KS**

**MORNING COMPLETION REPORT**

Report Called in by: : JES

Report taken by: KRD

LEASE NAME & #		AFE#	DATE	DAYS	CIBP	PBTD
BUSTOS 13-34		G01013100100	2/14/2006	1	DEPTH	TYPE FLUID
PRESENT OPERATION:						WT
DRILL OUT FROM UNDER SURFACE						VIS
DEEPEST CASING	LINERS OD TOP & SHOE DEPTH	REPAIR DOWN TIME HRS		CONTRACTOR MOKAT		
OD SHOE DEPTH	8 5/8" 24# J-55 — Set 20'	TEST PERFS		RIG NO BILLY		
PACKER OR ANCHOR	FISHING TOOLS OD ID	TO		SQUEEZED OR PLUG BACK PERFS		
		TO		TO		
		TO		TO		
		TO		TO		
		TO		TO		
HRS	BRIEF DESCRIPTION OF OPERATION					
	MIRU THORNTON DRILLING, DRILLED 11" HOLE, 21' DEEP, RIH W/ 1 JT 8 5/8" SURFACE CASING,					
	MIXED 4 SXS TYPE 1 CEMENT, DUMPED DN THE BACKSIDE, SDFN.					
	<b>RECEIVED</b>					
	<b>KANSAS CORPORATION COMMISSION</b>					
	<b>MAY 2 5 2006</b>					
	<b>CONSERVATION DIVISION</b>					
	<b>WICHITA, KS</b>					

**DAILY COST ANALYSIS**

RIG	_____
SUPERVISION	_____ 200
RENTALS	_____
SERVICES	_____ 400
MISC	_____ 2280

**DETAILS OF RENTALS, SERVICES, & MISC**

MOKAT DRILLING @ 6.50/R	
MOKAT (CEMENT)	80
DIRTWORKS (LOC, RD, PIT)	400
SURFACE CASING	200
LAND/ LEGAL	2000

**DAILY TOTALS**      2880      **PREVIOUS TCTD**      0      **TCTD**      2880

CONSOLIDATED OIL WELL SERVICES, INC.

MAY 25 2006

TICKET NUMBER 08296

P.O. BOX 884; CHANUTE, KS 66720  
620-431-9210 OR 800-467-8676

CONSERVATION DIVISION  
WICHITA, KS

LOCATION Eureka  
FOREMAN Brad Butler

TREATMENT REPORT & FIELD TICKET  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-16-06	41558	Bustas 13-35				Montgomery
CUSTOMER <u>Layne Energy</u>			TRUCK #			
MAILING ADDRESS <u>P.O. Box 160</u>			DRIVER			
CITY <u>Sycamore</u>	STATE <u>Ks.</u>	ZIP CODE	TRUCK #			
			DRIVER			
			<u>446</u> <u>SCOTT</u>			
			<u>442</u> <u>Rick P.</u>			
			<u>436</u> <u>J.P.</u>			

JOB TYPE Logstring HOLE SIZE 6 3/4" HOLE DEPTH 1146' CASING SIZE & WEIGHT 4 1/2" - 10.5 lb  
 CASING DEPTH 1144' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER PBTD 1137'  
 SLURRY WEIGHT 13.2 lb SLURRY VOL 37 Bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 7'  
 DISPLACEMENT 18 Bbl DISPLACEMENT PSI 500 PSI 900 Bump Plug RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2" casing, Break circulation with 30 Bbls water  
Pump 10 Bbl Gel Flush, 10 Bbl water spacer, 10 Bbl Metasilicate Preflush, 8 Bbl Dry water  
Mixed 120 sks Thick Set cement w/ 10" 1 1/4" sk of KOL-SEAL or 13.2 lb 1/4 gal (yield 1.75)  
Shut down - wash out pump lines - Release Plug - Displace Plug with 18 Bbls water.  
Final pump at 500 PSI - Bump Plug to 900 PSI - wait 2 minutes - Release Pressure  
Float Held - Good cement returns to surface with 8 Bbls slurry

"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	3.15	126.00
1126 A	120 SKS.	Thick Set cement	13.65	1638.00
1110 A	24 SKS.	KOL-SEAL 10" 1 1/4"	17.75	426.00
1118 A	4 SKS.	Gel Flush	7.00	28.00
1111 A	50 lbs.	Metasilicate Preflush	1.65 lb.	82.50
5407A	6.6 Ton	40 miles - Bulk Truck	1.05	277.20
5502 C	5 Hrs.	80 Bbl VAC Truck	90.00	450.00
1123	3000 GAL	City water	12.80	38.40
5605 A	4 Hrs.	Welder	78.00	312.00
4404	1	4 1/2" Top Rubber Plug	40.00	40.00
			5.32	SALES TAX
				ESTIMATED TOTAL
				119.40
				4337.50

203101

AUTHORIZATION Called by John Ed

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

MAY 25 2006

CONSERVATION DIVISION  
WICHITA, KS

**GEOLOGIC REPORT**

LAYNE ENERGY  
Bustos 13-34  
SW SW, 660 FSL, 660 FWL  
Section 34-T32S-R16E  
Montgomery County, KS

Spud Date: 2/14/2006  
Drilling Completed: 2/16/2006  
Logged: 2/16/2006  
A.P.I. #: 15-125-30947  
Ground Elevation: 778'  
Depth Driller: 1143'  
Depth Logger: 1146'  
Surface Casing: 8.625 inches at 21'  
Production Casing: 4.5 inches at 1143'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

**Formation**

Quaternary  
Pawnee Limestone  
Excello Shale  
"V" Shale  
Mineral Coal  
Mississippian

**Tops (in feet below ground level)**

Surface (Terrace Deposits)  
471  
630  
679  
721  
1,058