7/13/09

# 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

Name: Layne Energy Operating, LLC Address: 1900 Shawnee Mission Parkway  City/State/Zip; Mission Woods, KS 66205  ORIGINA  Operator Contact Person: M. Brent Nattrass  Operator: M. M. Brent Nattrass  Operator: Nattrass	Operator: License #_33365	API No. 15 - 049-22454-00-00
Address: 1900 Shawnee Mission Parkway  SE, SE, Se, 31 Twp, 28 S, R, 12		
City/Stafe/Zip. Mission Woods, KS 66205   Geet from (S) N (circle one) Line of Section Purchaser:		•
Sperator Confact Person. M. Brent Natirass   ORIGHN		660
Footages Calculated from Nearest Outside Section Corner:		
Contractor: Name Thornton Air Rotary  License: 33606  Well state Geologist: Cherokee Basin Coal  Well #: 16-31  Cherokee Basin Coal  Well #: 10-31  Cherokee Basin Coal  Cherokee Coals  Elevation: Ground: 10-85  Kelly Bushing: Total Depth: 1748.9'  Amount of Surface Pipe Set and Gemented at 44  Feet  Well Depth: 1775 Pipg Back hotal Depth: 1748.9'  If all anual Elevation: Ground: Invalidation of Surface Pipe Set and Gemented at 44  Feet  Well Depth: 1775 Pipg Back hotal Depth: 1748.9'  If all anual Elevation: Ground: Invalidation of Surface Pipe Set and Gemented at 44  Feet  Well Depth: 1775 Pipg Back and Gemented at 44  Feet  Well Depth: 1775 Pipg Back and Gemented at 44  Feet  Well Depth: 1775 Pipg Back and Gemented at 44  Feet  Well Invalidation of Surface Pipe Set and Gemented at 44  Feet  Well Back Pipe Back And Gemented at 44  Feet  Well Back Pipe Back And Gemented at 44  Feet  Well Back Pipe Back And Gemented at 44  Feet  Well Depth: 1776 Pipe Back And Gemented at 44  Feet  Well Back Pipe Back And Gemented at 44  Feet  Well Depth: 1776 Pipe Back And Gemented at 44  Feet  Well Depth: 1776 Pipe Back And Gemented at 44  Feet  Well Depth: 1776 Pipe Back And Gemented at 44  Feet  Well Depth: 1776 Pipe Back And Gemented at 44  Feet  W		1
Lease Name   Thomton Air Rotary   Lease Name   Thomton Air Rotary   Lease Name   Sado6		
Field Name.   Cherokee Basin Coal		
Producing Formation   Cherokee Coals		Field Name: Cherokee Basin Coal
Designate Type of Completion:    New Well		Producing Formation. Cherokee Coals
New Well		Elevation: Ground: 1085' Kelly Bushing:
Amount of Surface Pipe Set and Cemented at 44		
Multiple Stage Cementing Collar Used?	·	·
Bry		
If Alternate II completion, cement circulated from 1748.9' feet depth to. Surface		
Departor:		
Drilling Fluid Management Plan   Composition   Drilling Fluid Vollume   Drilling Fluid Vollume   Drilling Fluid Vollume   Drilling Fluid Vollume   Dewatering method used   N/A - Air Drilled   De	•	
Drilling Fluid Management Plan 44 10 1		
Depening 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.  Other (SWD or Enhr.?) Docket No.  Date Reached TD Completion Date or Recompletion Date or Recompletion Date  NSTRUCTIONS: 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 wing and submitted with the form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.  Interuments of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements erein are complete and porrect to the best of my knowledge.  Interuments of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements erein are complete and porrect to the best of my knowledge.  Interuments of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements erein are complete and porrect to the best of my knowledge.  Interuments of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements erein are complete and porrect to the best of my knowledge.  Interuments of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements erein are complete and porrect to the best of my knowledge.  Interuments of the statutes are provided and sworn to before me this 13 day of Public State of Kansas		Drilling Fluid Management Plan ALTIN 1809
Plug Back Plug Back No.  Commingled Docket No.  Dual Completion Docket No.  Other (SWD or Enhr.?) Docket No.  Machine Date Pending Completion Date or Recompletion Date or Recompletion Date  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.  Il requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements erein are complete and correct to the best of my knowledge.  KCC Office Use ONLY  Letter of Confidentiality Attached  If Denied, Yes Date:  Wireline Log Received  Geologist Report Received  Geologist Report Received  Wireline Log Received  Geologist Report Received  Wireline Log Received  Geologist Report Received  Wireline Log Received  UIC Distribution  KANSAS CORPORATION COMM		(Data must be collected from the Heserve Pit)
Commingled  Docket No.  Dual Completion  Docket No.  Other (SWD or Enhr.?)  Docket No.  Date Reached TD  Date Reached TD  Completion Date or Recompletion Date or Recompletion Date or Recompletion Date  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.  Ill requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements erein are complete and porrect to the best of my knowledge.  It requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements erein are complete and sorrect to the best of my knowledge.  KCC Office Use ONLY  Letter of Confidentiality Attached  If Denied. Yes Date:  Wireline Log Received  Geologist Report Received  Geologist Report Received  Notary Public State of Kansas  Notary Public State of Kansas		· ·
Dual Completion	•	Dewatering method used N/A - Air Drilled
Operator Name: Lease Name: License No.:    Completion Date or Recompletion Date   County:   Docket No.:		Location of fluid disposal if hauled offsite:
Control (SWD of Entirity)   Docket No.   D	,	Operator Name:
State   Stat	Other (SWD or Enhr.?) 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 to 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 erein are complete and correct to the best of my knowledge.  Signature:  Bate:    V	- Tollowing	
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Signature:	Kansas 67202, within 120 days of the spud date, recompletion, workoven information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline log	ver or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply.  12 months if requested in writing and submitted with the form (see rule 82-3-s and geologist well report shall be attached with this form. ALL CEMENTING
Letter of Confidentiality Attached  Subscribed and sworn to before me this 13 day of   Wireline Log Received  Geologist Report Received  RECEIVED  Notary Public - State of Kansas  Notary Public - State of Kansas	Il requirements of the statutes, rules and regulations promulgated to regulerein are complete and correct to the best of my knowledge.	late the oil and gas industry have been fully complied with and the statements
Subscribed and sworn to before me this 13 day of   Wireline Log Received  Geologist Report Received  Wireline Log Received  Geologist Report Received  RECEIVED  Notary Public - State of Kanasa	Signature: MS Works	KCC Office Use ONLY
Subscribed and sworn to before me this 13 day of   OOT  OOT  OOT  OOT  OOT  OOT  OOT  O	ritle: Agent Date: 7//3/07	Letter of Confidentiality Attached
Wireline Log Received  Geologist Report Received  Geologist Report Received  RECEIVED  Notary Public - State of Kenses	12 0 1	
Geologist Report Received  RECEIVED  Notary Public - State of Kanasa  Geologist Report Received  RECEIVED  Notary Public - State of Kanasa	_ // //	
lotary Public State of Kansas Corporation Communication Co	OI M I M. M. M.	Geologist Report Received
	lotary Public / account len La les Maria All	RECEIVED
	Willow a Notary Pu	blic - State of Kansas

Operator Ñame: Layr	ne Energy Oper	ating, LL	С	Lease	e Name:	Kelly		Well #: <u>16</u> -	31
Sec. 31 Twp. 28	S. R. 12	_ ✓ Eas	st 🗌 West		y: Elk				
INSTRUCTIONS: Sho tested, time tool open temperature, fluid reco Electric Wireline Logs	and closed, flowin	g and shu s if gas to	t-in pressures, surface test,	, whether s along with	hut-in pre	essure reache	d static level, hydr	ostatic pressu	res, bottom hole
Orill Stem Tests Taken (Attach Additional S			′es ✓ No		<b>√</b> L	.og Forma	ation (Top), Depth	and Datum	Sample
Samples Sent to Geol	•		′es ☑ No		Nam	ne		Тор	Datum
Cores Taken	ogical cultoy				Paw	nee Lime		1398 GL <sup>-</sup>	-313
Electric Log Run (Submit Copy)		<b>✓</b> Y	_		Exce	Excello Shale		1472 GL	-387
List All E. Logs Run:	•				V Sh	nale		1540 GL	-455
Compensated De	nsity Neutron				Mine	eral Coal		0 GL	1085
Dual Induction					Miss	sissippian		1761 GL	-676
		Repo	CASING	RECORD	✓ Neurface, inte		action, etc.		· · · · · · · · · · · · · · · · · · ·
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Wei		Setting Depth	Type of Cement	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"		24		44'	Class A	10	Type 1 cement
Casing	6.75"	4.5"		10.5		1748.9	Thick Set	185	#10 KOL seal @ s
			ADDITIONAL	CEMENTI	NG / SOI	JEEZE RECOR	ND .		
Purpose:         Depth           —— Perforate         Top Bottom           —— Protect Casing         Plug Back TD		Туре	of Cement .	#Sacks				Percent Additives	\$
Plug Off Zone							· · · · · · · · · · · · · · · · · · ·		
Shots Per Foot			RD - Bridge Plug Each Interval Per			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			rd Depth
		-					·		
								50 50 100 50	
TUBING RECORD	Size	Set At		Packer A	<b>At</b>	Liner Run	Yes 🗸 No	,	
Date of First, Resumerd I		inhr.	Producing Met	hod [	Flowing	) Pump	oing Gas Li	ft Othe	er (Explain)
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er .	Bbls. (	Gas-Oil Ratio	Gravity
Disposition of Gas	METHOD OF (	OMPLETIC	)N			Production Inte	erval		RECEIVED
Vented Sold (If vented, Subr	Used on Lease mit ACO-18.)		Open Hole Other (Spec	Perf.	c	oually Comp.	Commingled _		RPORATION COMMISS

### **Daily Well Work Report**

**KELLY 16-31** 3/22/2007

Well Location:

Elk KS

28S-12E-31 SE SE 660FSL / 660FEL

**Cost Center** 

G01030400100 G010304

**Lease Number Property Code** 

KSEC28S12E3116

**API Number** 

15-049-22454

**Spud Date RDMO Date First Compl First Prod EFM Install** CygnetID

3/19/2007

3/22/2007

4/30/2007

PBTD Sf Csg Depth Pr Csg Depth

Tbg Size 0

Csq Size 0

1775

TD

1748.9

44

1748.9

Reported By KRD

**Rig Number** 

**Date** 

3/19/2007

**Taken By KRD** 

**Present Operation** Drill Out from under Surface **Down Time** Contractor

Thornton Drilling

#### **Narrative**

MIRU Thorton Drilling, drilled 11'hole, 44' deep, rih w/2 jts 8-5/8" surface casing. Mixed 10 sxs type 1 cement, dumped dn the back side. SDFN. DWC \$3,160

> RECEIVED KANSAS CORPORATION COMMISSION

> > JUL 16 2007

CONSERVATION DIVISION WICHITA, KS

MAR-25-2007 08:54 AM Consolidated Oil Well Su 6205835679

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

TICKET WMBER LOCATION SUREKA FOREMAN KEUIN MCCOY

T) + 7:07	CUSTOMER#	·WFL I	NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
DATE			16-31					ELK
-29-07	4758	Merch	- W - W -				70	00000
, , , , , , , , , , , , , , , , , , ,	Ayre EN	BRGY		Gus	TRUCK#	DRIVER	TRUCK #	DRIVER
LING ADDRE				Jones	445	Justin		·
P.O.	Box 160			Rig 1	4/39	JARRID		
Y		STATE	ZIP CODE	•	434	Jim		
Sycam	ore	Ks			4/36	Shawow		- 56 4
	Igstring	HOLE SIZE	63/4	HOLE DEPTH	1775	CASING SIZE & W		
SING DEPTH		550 L 0/55		TURING			OTHER	<del></del> -
IDOV MEION	T /2 & #	SLURRY VOL	TO BLL	WATER gails	k <u><b>8</b>-0</u>	CEMENT LEFT IN	CASING O	<del></del>
	22.8 BLL	DISPLACEMEN	T PSI 200	HE PSI 120	o Bump Ph	SE PIT WATE		
		• 1. In	Constant	A AA~~ 7	'a <i>FIT WAT</i> E	CIRCULATE A  A. CIRCULATE  NO: UK COM		,, , m
		• 1. In	Constant	A AA~~ 7	'a <i>FIT WAT</i> E	な。 しんていいけん		,, , m
		70000	I Sill in	(c) 1749	. RAU //	<i>70 71</i> 2 6191	~y. nry we	<del>, , , , , , , , , , , , , , , , , , , </del>
MOIND	~04. VAA	<del>~~~ ~~ 77</del> 89				is Don Frich	18 86 2	SUP WAT
7 · 9.		o L CKE	GOL TRUSH	. IN RISE	NOTE WAS ILLE	INC PICE INCOM	10 004 -	
ump 30		R 6 SKS	t Comen	. IN RISE	NOTE WAS ILLE	Person @ 15	7.2 Per/9	AL VIELO
	BBL WATE	<del></del>	t Comen	+ W/ 10"	METASICICAL KOL-SEAL	perisk a is	1.4 PSE/9	WE THE
Mixed	185 SKS	HICK SE	t Cemen	+ w/ 10 +	KOL-SEAL Release Pl	ug. Displac	e w/ 27.	8 BEC
Mixed 1.75. u	185 SKS TURSH OUT P	wanp & Li	ves. Shu	t w/ 10 t down.	MENNSICION KOL-SEAL Release Pl O ASI- BU	ug. Displace	1200 PSI	8 BEL WRIT
Mixed 1.75. u Fresh u	185 SKS T URSH OUT F URTUR FIN	THICK SE	ves. Shu owg Pes Float	10 862 1 w/ 10 1 down. 1544 70 Held.	MENNSICION KOL-SEAL Release Pl O ASI- BU	ug. Displac	1200 PSI	8 BEL WRIT
Mixed 1.75. U fresh U 2 minus 86L SI	185 SKS VASH OUT FIN VATURE FIN VASE RE KASE VARRY. JOE	Wick Se ump of Li iAL Pump Ressure Complete	ves shu ong Pres . Float Le. Rig C	t w/ 10 t down.  Sure 70  Held. (	Methskirk Kol-Seal Aslanse Pl o Asl- Bu Good Came	reask @ 13 ug. Displace up Plug to nt Returns	1200 PSI. 1200 PSI. To SURF	8 866 wait Ace = 8
Mixed 1.75. u Fresh u	185 SKS T URSH OUT F URTUR FIN	Wick Se ump of Li iAL Pump Ressure Complete	ves shu ong Pres . Float Le. Rig C	t w/ 10 t down.  Sure 70  Held. (	MENNSICION KOL-SEAL Release Pl O ASI- BU	reask @ 13 ug. Displace up Plug to nt Returns	1200 PSI. To SURF	8 BEC WRITE FOR = 8
Mixed 1.75. U fresh U 2 minut BLL 51 ACCOUNT CODE	185 SKS VASH OUT FIN VATURE FIN VASE RE KASE VARRY. JOE	Wick Se ump of Li iAL Pump Ressure Complete	ves shu ong Pres . Float Le. Rig C	t w/ 10 t down.  TSWE 70  Held. ( Hown.	Methskirk Kol-Seal Aslanse Pl o Asl- Bu Good Came	reask @ 13 ug. Displace up Plug to nt Returns	1200 PSI. 1200 PSI. 1200 PSI. 1200 PSI. 1200 PSI. 1200 PSI.	8 866 WRITE = 8  TOTAL  840-0
Mixed 1.75. U fresh U 2 minus 86L ST ACCOUNT CODE 5401	185 SKS  URSH OUT FIN  WATER - FIN  WATER - FIN  WARRY - OF	Wick Se ump of Li iAL Pump Ressure Complete	PUMP CHARE	Held. (SESCRIPTION O	KOL-SERL REPERSE PL O RSI- BUIL GOOD CRMO	refsk @ 13 ug. Displace up Plug to nt Returns  1000UCT	1200 PSI. 1200 PSI. 1200 PSI. 1300 PSI. 240.00	# # # # # # # # # # # # # # # # # # #
Mixed 1.75. U fresh U 2 minus BLL ST ACCOUNT CODE 5401 5406	185 SKS  URSH OUT FINA  WATER - FINA  WATER	Wick Se ump of Li iAL Pump Ressure Complete	PUMP CHARE	Held. (SESCRIPTION O	Methskirk Kol-Seal Aslanse Pl o Asl- Bu Good Came	refsk @ 13 ug. Displace up Plug to nt Returns  1000UCT	1200 PSI. 1200 PSI. 1200 PSI. 1200 PSI. 1200 PSI. 1200 PSI.	8 866 WRITE = 8  TOTAL  840-0
Mixed 1.75. U FRESH U 2 MINUS BLL ST ACCOUNT CODE 5401	185 SKS  URSH OUT FINA  WATER - FINA  WATER	Wick Se ump of Li iAL Pump Ressure Complete	PUMP CHARI	Held. ( DESCRIPTION O	METHSICTOR  KOL-SERL  Release Pl  O PSI- BU  GOOD CRM  I SERVICES OF PR	refsk @ 13 ug. Displace up Plug to nt Returns  1000UCT	1200 PSI. 1200 PSI. 1200 PSI. 150 SURFA  UNIT PRICE 840.00 3.30 160.00	# # # # # # # # # # # # # # # # # # #
Mixed 1.75. U fresh U 2 MINUS BLL STA ACCOUNT CODE 5401 5406 5609	185 SKS 185 SKS 185 SKS 185 SKS 185 OUT F  WATER - FIN  WERRY. Joh  QUANTITY  1 40 3 185	Thick Setump & Ling & L	PUMP CHARI	Held. ( GE  Set Ceme	KOL-SERL  RELEASE PL  O PSI- BUIL  GOOD GROOT  I SERVICES OF PR  AND ALTON OF	peysk @ 13  ug. Displace  up Plug to  NT Returns  1000UCT	UNIT PRICE  840.00  15.40	# # # # # # # # # # # # # # # # # # #
Mixed 1.75. U fresh U 2 minut 8 bl SI ACCOUNT CODE 5401 5406 5609	185 SKS 185 SKS 185 SKS 185 SKS 185 OUT F  WATER - FIN  WERRY. Joh  QUANTITY  1 40 3 185	Thick Setump & Ling & L	PUMP CHARI	t w/ 10 t down.  Source 70  Held. (  Jown.  DESCRIPTION O	KOL-SERL  RELEASE PL  O PSI- BUIL  GOOD GROOT  I SERVICES OF PR  AND ALTON OF	reask @ 13 ug. Displace up Plug to nt Returns  1000UCT	UNIT PRICE  840.00  15.40	# # # # # # # # # # # # # # # # # # #
Mixed 1.75. U fresh U 2 MINUS BLL STA ACCOUNT CODE 5401 5406 5609	185 SKS  URSH OUT FIN  WASH. RELASE  URRY. DE  QUANTITY  40  3	Thick Setump & Ling & L	PUMP CHARLE  PUMP THICK	t w/ 10 t down.  Source 70  Held. (  Jown.  DESCRIPTION O	RELEASE PLO PSI- BUILDES OF PRINCES OF PRINC	DISPLACE  TO Plug to  NOT RETURNS  TODUCT  TO HOLE  CRATION COMMISSION	2 W/ 27. /200 PS/. 76 SURF  UNIT PRICE  840.00  3.30 /60.00  /5.40  .38	# # # # # # # # # # # # # # # # # # #
Mixed 1.75. U fresh U 2 minut 8bL 5/ CCOUNT CODE 5401 5406 5609	185 SKS  URSH OUT FINA  WATER - FINA  WATER	Thick Setump & Lings &	PUMP CHARE  PUMP TI  THICK  KOL-SE	Held. Come to Co	RELEASE PLO PSI- BUILDES OF PRINCES OF PRINC	persk @ 13  ug. Displace  up Plug to  NT Returns  1000UCT	UNIT PRICE  840.00  15.40	# # # # # # # # # # # # # # # # # # #
Mixed 1.75. U fresh U 2 minus 8bL 57 ACCOUNT CODE 5401 5406 5609	BBL WATER 185 SKS VASH OUT F VATURE FIN  WARRY DE  QUANTITY  1 40 3 185 1850	Thick Setump & Lings &	PUMP CHARLE  FUMP TI  THICK  KOL-SE	t w/ 10 t down.  Some 70  Held. (  Town.  DESCRIPTION O	KOL-SERL  RELEASE PL  O ASI- BUIL  SERVICES OF PR  WALTON OF  THE FULL MARKET CORPORATE  THE FULL MARK	PEYSK (2) 13  Lug. Displace  Lug. Plug to  LUG	2 W/ 27. /200 PS/. 76 SURF  UNIT PRICE  840.00  3.30 /60.00  /5.40  .38	707AL  8 40-0  132.0  480.0  2849.0  703.0
Mixed 1.75. 4 fresh 4 2 minut 86L 57 ACCOUNT CODE 5401 5406 5609	BBL WATER 185 SKS VASH OUT F VATURE FIN  WERRY DE  QUANTITY  1 40 3 185 1850 300 50	Thick Setump & Ling & L	PUMP CHARM MILEAGE PUMP TI  THICK  KOL-SE  METAS	Held. Of the to Co.  Set Ceme of 10 m.  Shows.	KOL-SERL  ROLESSE PL  O ASI- BU  GOOD CEME  I SERVICES OF PR  AND ALTHON OF  THE POLYMONE CORPO  JUL  TO FILLS ANSERV	DISPLACE  TO Plug to  NOT RETURNS  TODUCT  TO LOCATION COMMISSION  16 2007	UNIT PRICE  840.00  3.30  160.00  15.40  .38**  .15*  1.65**	# # # # # # # # # # # # # # # # # # #
Mixed 1.75. 4 fresh 4 2 minut 86L 57 ACCOUNT CODE 5401 5406 5609	BBL WATER 185 SKS VASH OUT F VATURE FIN  WERRY DE  QUANTITY  1 40 3 185 1850 300 50	Thick Setump & Lings &	PUMP CHARLE  FUMP TI  THICK  KOL-SE	Held. Of the to Co.  Set Ceme of 10 m.  Shows.	KOL-SERL  RELEASE PL  O ASI- BUIL  SERVICES OF PR  WALTON OF  THE FULL MARKET CORPORATE  THE FULL MARK	PEYSK (2) 13  Lug. Displace  Lug. Plug to  LUG	UNIT PRICE  840.00  3.30  /60.00  .38  .15	# # # # # # # # # # # # # # # # # # #
Mixed 1.75. 4 fresh 4 2 minut 8bL 57 ACCOUNT CODE 5401 5406 5609 1116 A 1118 A 1111 A 5407 A	BBL WATER 185 SKS VASH OUT F VATURE FIN VALUE FOR VARRY SO  QUANTITY  1 40 3 185 1850 50 10.17	Thick Setump & Ling & L	PUMP CHARLE  MILEAGE  PUMP TO  THICK .  KOL-SE  Yo mike	TO BOL T W/ 10 T W/ 10 T W/ 10 Held. () Held. () H	RELIGION OF  SERVICES OF PR  SERVICES OF PR  JUL  REFILIATION OF  TRUCK	CEIVED PATION COMMISSION CHITA, KS	UNIT PRICE  840.00  3.30  160.00  15.40  .38**  .15*  1.65**	# # # # # # # # # # # # # # # # # # #
Mixed 1.75. U fresh U 2 minut 86L 57 ACCOUNT CODE 5401 5406 5609 1126 A 1118 A 1118 A 1118 A	BBL WATER 185 SKS VASH OUT F VATURE FIN  WERRY DE  QUANTITY  1 40 3 185 1850 300 50	Thick Setump & Ling & L	PUMP CHARLE  FUMP TI  THICK  KOL-SE  YO MILE  GEL FOLL  GEL TO  GEL TO	Fet Ceme of Buck  Condit	RETURNSERY  RETURNSERY  TRUCK	CEIVED PATION COMMISSION CHITA, KS	2 W/ 27.  1200 PS1.  70 SURF  UNIT PRICE  840.00  3.30  160.00  15.40  .38  .15  1.65  1.10	# #66 WAIT #CE = 8 TOTAL 840-0 132.0 480.0 2849.0 703.0 45.0 82.5 447.4 300.0
Mixed 1.75. U fresh U 2 minus 8 L ST  ACCOUNT CODE 5401 5406 5609 1118 A 1118 A 1118 A 1118 A	185 SKS  185 SKS  185 SKS  185 SKS  185 OUT F  WATER - FIN  WATER - FI	Thick Setump & Ling & L	PUMP CHARE  PUMP TI  THICK  KOL-Se  GEL TO  HYD TO	TO BOL T W/ 10 T SOUR 70 Held. () Held. ()	RELIGION OF  RELIGION OF  TRUCK  METASE PI  O PSI- BU  GOOD GROW  SERVICES OF PR  JUL  PE FILLSPINSERN  TRUCK	CEIVED PATION DIVISION CHITA, KS	UNIT PRICE  840.00  3.30  /60.00  /5.40  .38  .15  /.65  /.10	707AL  8 40-0  107AL  840-0  132.0  480.0  45.0  82.5  447.4  300.0
Mixed 1.75. 4 fresh 4 2 minus 86L 57 ACCOUNT CODE 5401 5406 5609	185 SK5  185 SK5  185 SK5  185 SK5  185 OUT F  WATER - FINA  WERRY DO  QUANTITY  1  40  3  185  1850  300  50  10.17	Thick Setump & Ling & L	PUMP CHARLE  FUMP TI  THICK  KOL-SE  GEL FU  METAS  40 MILE  80 Bbb	Fet Ceme of Buck  Condit	RELIGION OF  RELIGION OF  TRUCK  TRUCK  THUS  TRUCK  THUS  THUS  TRUCK  THUS	DISPLACE  LODUCT  CEIVED  PRATION COMMISSION  THIRA, KS  CHICAL  CHICA	1200 PSI. 1200 PSI. 1200 PSI. 1200 PSI. 1200 PSI. 1200 PSI. 1300  140.00  15.40  .38 **  1.65 **  1.10  .15 **  40.00	# # # # # # # # # # # # # # # # # # #

ALITUMOITATION WITHOUTH BY GUS JOMES

TITLE CONTRACTOR

SALES TAX ESTIMATED

TOTAL

6.3%

261.29

7208.27

A.D wat Dump

### **GEOLOGIC REPORT**

LAYNE ENERGY
Kelly 16-31
SE SE, 660 FSL, 660 FEL
Section 31-T28S-R12E
Elk County, KS

Spud Date:	3/19/2007
Drilling Completed:	3/22/2007
Logged:	3/23/2007
A.P.I. #:	1504922454
Ground Elevation:	1085'
Depth Driller:	1775'
Depth Logger:	1754'
Surface Casing:	8.625 inches at 41'
Production Casing:	4.5 inches at 1748.9'
Cemented Job:	0
Open Hole Logs:	Dual Induction SFL/GR, High Resolution
,	Compensated Density/Neutron

Formation	Tops				
	(below ground) Surface	(subsea)			
	(Lecompton	-			
Shawnee Group	Limestone)	1,085			
Pawnee Limestone	1,398	-313			
Excello Shale	1,472	-387			
"V" Shale	1,540	-455			
Mineral Coal	0	1085			
Mississippian	1,761	-676			

RECEIVED KANSAS CORPORATION COMMISSION

JUL 16 2007

CONSERVATION DIVISION WICHITA, KS