KANSAS CORPORATION COMMISSION ORIGINAL

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365	API No. 15 - 125-30977 - 00-00
Name: Layne Energy Operating, LLC	County: Montgomery
400001 111 1 5 1 5 6	NW_NW Sec. 16 Twp. 31 S. R. 15 V East West
Mission Woods KS 66205 5 3 7	660 feet from S / N (circle one) Line of Section
Purchaser:	660 feet from E / W (circle one) Line of Section
Operator Contact Person: Victor H. Dyal	Footages Calculated from Nearest Outside Section Corner:
SO N ZM	•
Phone: (913) 748-3987	(circle one) NE SE NW SW Lease Name: Blake Well #: 4-16
2 =	Field Name: Jefferson-Sycamore
Ç	Producing Formation: Cherokee Coals
Wellsite Geologist:	Elevation: Ground: 992 Kelly Bushing:
Designate Type of Completion:	·
New Well Re-Entry Workover	Total Depth: 1482 Plug Back Total Depth: 1477
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 21 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth set Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1477
Operator:	feet depth to Surface w/ 150 sx cmt.
Well Name:	RH2-DIg-11-D4-08
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content N/A ppm Fluid volume bbls
Plug BackPlug Back Total Depth	Dewatering method used N/A - Air Drilled
Commingled Docket No	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
	Lease Name: License No.:
2/24/2006 2/28/2006 3/9/2006 Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date	County: Docket No.:
INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 1: 107 for confidentiality in excess of 12 months). One copy of all wireline logs at TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	r or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3-and geologist well report shall be attached with this form. ALL CEMENTING
All provides and the state of t	to the oil and goe industry have been fully complied with and the statement
All requirements of the statutes, rules and regulations promulgated to regular herein are complete and correct to the pest of my knowledge.	te the oil and gas industry have been fully compiled with and the statements
1/ tall//	
Signature: 4/4/0174 Way V	KCC Office Use ONLY
Title: Agent Date: 5/30/06	Letter of Confidentiality Attached
Subscribed and sworn to before me this day of	If Denied, Yes Date:
MO O O O O O O O O O O O O O O O O O O	Wireline Log Received
20 000	Geologist Report Received
Notary Public: 1 V V V V V V V V V V V V V V V V V V	UIC Distribution
Date Commission Expires: 12 2 109	

BROOKE C. MAXF My Appt. Exp. 12 2

Operator Name: Layne Energy Operating, LLC				Lease	Lease Name: Blake County: Montgomery			Well #: 4-16			
ec. 16 Twp. 31 S. R. 15 Fast West			County								
NSTRUCTIONS: She ested, time tool open emperature, fluid reco electric Wireline Logs	and closed, flowing overy, and flow rates	g and shut-in s if gas to si	n pressures, urface test, a	whether st long with f	nut-in pre	ssure reache	d static level, hydro	ostatic pressure	es, bottom hole		
Orill Stem Tests Taker		☐ Yes	√ No		 ▼Lo	og Forma	ation (Top), Depth a	and Datum	Sample		
(Attach Additional S			. ☑No	Name Pawnee Lime				Тор	Datum		
Samples Sent to Geo Cores Taken	logical Survey	∐ Yes ☐ Yes	_					886 GL	106		
lectric Log Run		✓ Yes			Exce	llo Shale		1005 GL	-13		
(Submit Copy)	•				V Sh	ale		1061 GL	-69		
ist All E. Logs Run:					Mine	eral Coal		1102 GL	-110		
Compensated Density Neutron Dual Induction					Miss	sissippian		1386 GL	-394		
		Report		RECORD	✓ Neurface, inte	ew Used	uction, etc.				
Purpose of String	Size Hole Drilled		Casing 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 cemen		
Casing	6.75	4.5		10.5		1477' Thick Set		150	150		
			ADDITIONAL	CEMENT	NG / SQL	JEEZE RECOI	RD				
Purpose: Perforate	Depth Top Bottom	Туре	of Cement	#Sacks	s Used Type and Percent Additives						
Protect Casing Plug Back TD Plug Off Zone											
Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type)	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth					
Specify Footage of Each Interval Perforated See Attached						RECEIVED KANSAS CORPORATION COMMISSION					
					···		10.042	MAY 3			
		·						CONSERVATION WICHIT			
TUBING RECORD 2 3	Size	Set At 1228'		Packer	At	Liner Run	Yes V				
Date of First, Resumero	d Production, SWD or E	Enhr.	Producing Me	thod	Flowin	g 🗸 Pun	nping Gas L	.ift	er (Explain)		
Estimated Production Per 24 Hours	Oil O	Bbls.	Gas 5	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity		
	Disposition of Gas METHOD OF COMPLETION					Production In					

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Blake 4-16		
	Sec. 16 Twp. 31S Rng. 15E, Montgomery County		
API:	15-125-30977		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1061.5-1064, 1101.5-1105.5, 1168.5-1170, 1041- 1044	Weir, Mineral, Croweberg, Ironpost-ATP 931, 15 min SI 511, 5900# 20/40 sand, 1650 gal 15% HCl acid, 589 bbls wtr	1041-1064
4	1005-1011, 986.5-990.5, 878.5-880	Mulky, Summit, Mulberry-ATP 1050, 15 min SI 703, 5200# 20/40 sand, 1725 gal 15% HCl acid, 447 bbls wtr	

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MAY 3 1 2006

CONSERVATION DIVISION WICHITA, KS

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CONSERVATION DIVISION WICHITA, KS

MORNING COMPLETION REPORT

Report Called in by: : JES

Report taken by:

KRD

LEASE NAME & #		AFE#	DATE	DAYS	CIBP DEPTH	PBTD TYPE FLUID
BLAKE #4-16		G01017100200	2/24/2006	1		
PRESENT OPERAT	ION:			1		WT
			DRILL OUT	FROM UNDER	SURFACE	VIS
DEEPEST CASING	LINERS OD TOP & SHO	E DEPTH	REPAIR DOWN TIME HRS		CONTRACTO	
OD SHOE DEPTH					RIG NO	
	8 5/8" 24# J-55 Set 20		TES	T PERFS		
PACKER OR ANCHOR	FISHING TOOLS	OD ID		то	SQUEEZE	D OR PLUG BACK PERFS
		 	 	то		<u> </u>
		· · · · · · · · · · · · · · · · · · ·		TO		TO TO
			1	то		TO TO
			011			
HRS	BRIEF DESCRIPTION	ON OF OPERATI	ON			
	MIRU THORTON D	RILLING, DRILL	ED 11" HOLE	, 21' DEEP, RI	H W/ 1 JT 8 5/8" SURFACE CA	ASING,
		. !			, , , , , , , , , , , , , , , , , , , ,	
	141755		18 4PPP		ODEN.	,
	MIXED 4 SXS TYPE	E 1 CEMENT, DL	MPED DN T	HE BACKSIDE	, SUFN.	
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		<u> </u>				
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		1		- 1		
 						
						
2444400074444	<u> </u>			 		
DAILY COST ANAL	YSIS			···		
					DETAILS OF RENTALS, SE	RVICES, & MISC
RIG					DRILLING @ 7.00/ft	
		 -			(CEMENT)	80
DI IDED\ (C.C.)		_				
SUPERVISION	200	J			DIRTWORKS (LOC,RD, PIT)	400
		i			SURFACE CASING	200
RENTALS					LAND/ LEGAL	2000
SERVICES	400	<u> </u>				
MISC	2280	.				
	2200					
					L _.	
		1				
DAILY TOTALS	288) <i>DDE\#A</i>	US TCTD	0	TCTD	2880

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

TICKET NUM	BER	<u> 08366</u>
LOCATION_	Eur	·ka
FOREMAN	Trov	Strickler

TREATMENT REPORT & FIELD TICKET

CEMENT

DATE	CUSTOMER#	WELI	L NAME & NUME	BER	SECTION	TOWNSHIP	RAI	GE	COUNTY
3-1-06	4758	Blo	ike 4-11	<i>'</i> o					MG
CUSTOMER	, , , , ,			T	.757.279/8886			.7577777327 2434747747	Aller William
La MAILING ADDRÉ	yne Ene	rgy	· · · · · · · · · · · · · · · · · · ·	Gus	TRUCK #	DRIVER	TRU	K#	DRIVER
MAILING ADDRÉ	ÉSS	•		Jones	463	Alon			
P.O	. Box 16	0		#2	479	Calin			
CITY		STATE	ZIP CODE		436	John			
Sucam	Sior	Ks	<u> </u>		452/163				
	ngstring	HOLE SIZE	644	HOLE DEPT	гн <u>/482'</u>	CASING SIZE & W	EIGHT_	45"	10.5 M
CASING DEPTH	1477'	DRILL PIPE		_TUBING					
SLURRY WEIGH						CEMENT LEFT in (CASING	<u>o'</u>	
DISPLACEMEN'	T 23.5861	DISPLACEMEN	IT PSI_ 700 _	PSI_12	00 Bump Plus	RATE			
REMARKS: 5	afety Me	ection:	Ria up 7	o 45"	Casing.	Break Cirau	<u>btion</u>	<u> </u>	30BN
Frach 1	1. 2 ter Pi	ins 45	it Gol	FluxL.	SBAI wat	er spacer.	10.86	m.	ctusilicate
Pre-Flu	sh. 14 Rb1	Dur u	ater. 1	7: xed	150sks Ti	hick Set	Ceme	2+ L	1 10 # Per
Kol-Sea	1 @ 13.	2 H Acres	VIEL	1.75 L	Jash out	Pump +1	ines.	Shu	t Down.
Released	Plus.	Nisobered	12/ 13.5	IRM /	Fresh Wate	r. Final	Run	o f	tessure
700 01	- Rum	Olya +	2 1200	PST.	120it 20	nins. Check	F	set.	Float
		ement	40 C.	chace	= 7 Rh) 5/4	My to Pit	-		
nee.	USOC L	emen	<u> </u>	I Jule -	7 (10) (1/2	7 70	<u></u>		
	1, 1, 1				Joh	Complete.			
						CONDIC ICS			
ACCOUNT	CHANTIT	Y or UNITS	T	ESCRIPTION	of SERVICES or Pf	RODUCT	UNIT	RICE	TOTAL
CODE	QUANTII	TOTORIS		LOCKII HON					-
5401			PUMP CHARC					<u>3.00</u>	800.00
5406	40		MILEAGE	1st of 2	?	<u> </u>	ق	15	126.00
		 							2017.55
1126A	/ 50	Osks			Cement		$\overline{}$.45	2047.50
1110 A	30	osks	Kol-Se	al 10	# Por/sk		<u> </u>	75	532.SO
1118 A	45	ks	Gel - F	Tush				<u> 30</u>	28.00
IIIIA	50	A	Metas	ilicate	Pre-Flush		1.	<u>45"</u>	82.50
54074	· · · · · · · · · · · · · · · · · · ·	25 Ton			Bulk -	Truck	1.	25	346.50
5501 C	34			Transp			98.	20	294.00
5502 C	340		BORLI	Vac	Truck		90	00	270.00
	6000			Water			1281	Pel/an	
1123	-600	3=	 /						
4404	,		41/2 "	Too Ru	ibber flug		40	00	40.00
7707	 		- · · · · ·						
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·				114011	- 100	532		3 TAX	148.78
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	_1			203	461			ATED	4792.58

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GEOLOGIC REPORT MAY

MAY 3 1 2006

CONSERVATION DIVISION WICHITA, KS

LAYNE ENERGY
Blake 4-16
NW NW, 660 FNL, 660 FWL
Section 16-T31S-R15E
Montgomery County, KS

 Spud Date:
 2/24/2006

 Drilling Completed:
 2/28/2006

 Logged:
 2/28/2006

 A.P.I. #:
 15-125-30977

 Ground Elevation:
 992'

Ground Elevation: 992'
Depth Driller: 1482'
Depth Logger: 1482'

Mississippian

Surface Casing: 8.625 inches at 20'
Production Casing: 4.5 inches at 1477'

Cemented Job: Consolidated

Open Hole Logs: Dual Induction SFL/GR, High Resolution

Compensated Density/Neutron

Formation Lansing Group Pawnee Limestone Excello Shale "V" Shale Mineral Coal Tops (in feet below ground level) Surface (Stoner Limestone Member) 886 1,005 1,005 1,061 1,102

1,386