

KANSAS COMPORATION COMMISSION

OIL & GAS CONSERVATION DIVISION ORIGINAL WEIL COMPLETION FORM

Form ACO-1 September 1999 Form Must Be Typed

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 3842	API No. 15 - 101-22093-00-00
Name: LARSON ENGINEERING, INC.	County:LANE
Address: 562 WEST STATE ROAD 4	SW NE NW NE Sec. 29 Twp. 18 S. R. 29 🗆 East 🖾 West
City/State/Zip: OLMITZ, KS 67564-8561	feet from NORTH Line of Section
Purchaser: NCRA	feet from EAST Line of Section
Operator Contact Person: TOM LARSON	Footages Calculated from Nearest Outside Section Corner:
Phone: (620) 653-7368	(circle one) NE SE NW SW
Contractor: Name: H.D. DRILLING, LLC	Lease Name: EHMKE Well #: 2-29
.icense: 33935	Field Name: REIFSCHNEIDER, SE
Nellsite Geologist: ROBERT LEWELLYN	Producing Formation: MARMATON
Designate Type of Completion:	Elevation: Ground: 2812' Kelly Bushing: 2817'
X New Well Re-Entry Workover	Total Depth: 4631' Plug Back Total Depth: 4584'
XOil SWD SIOW Temp Abd.	Amount of Surface Pipe Set and Cemented at Feet
Gas ENHR SIGW	Multiple State Cementing Collar Used? ☐ Yes ☐ No
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth set 2104 Feet
f Workover/Re-entry: Old Well Info as follows: CONFIDENTIAL	If Alternate II completion, cement circulated from 2104
Operator:	feet depth to SURFACE w/ 215 sx cmt.
Vell Name:	
Original Comp. Date: Original Total Depth:KCC	Drilling Fluid Management Plan ALTI NH 11-20-08 (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	(Data must be collected from the Reserve Pit)
Plug Back Plug Back Total Depth	Chloride content 9200 ppm Fluid volume 440 bbls
Commingled Docket No	Dewatering method used ALLOWED TO DRY
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
	Lease Name: License No.:
4/26/2008 5/7/2008 5/28/2008 Spud Date or Date Reached TD Completion Date or Recompletion Date	Quarter Sec. Twp. S. R. East West County: Docket No.:
Tecompetion bate	
Kansas 67202, within 120 days of the spud date, recompletion, workove information on side two of this form will be held confidential for a period of	ith the Kansas Corporation Commission, 130 South Market-Room 2078, Wichita, er 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- and geologist well report shall be attached with this form. ALL CEMENTING abmit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regulat herein are complete and correct to the best of my knowledge.	e the oil and gas industry have been fully complied with and the statements
$() \cap \bigcirc$	KCC Office Use ONLY
Signature: Usok Lee-	Letter of Confidentiality Attached
Title: SECRETARY/TREASURER Date: 8/20/08	
Subscribed and sworn to before me this 20th day of AUGUST	, Wireline Log Received
2008.	Geologist Report Received
	RECENTION
Notary Public: Allela Hudung	Wireline Log Received Geologist Report Received UIC Distribution WANGAS CORPORATION COMMISSION WANGAS CORPORATION CONDITION
Date Commission Expires: MAY 5, 2012	WORKING THE WARMAN
DEBRA J. LUDWIG Notary Public - State of Kansas My Appt. Expires 5/5/2012	UIC Distribution RECETYON RECETYON

Side Two

<u>.</u> . . . 5

Operator Name: _L	ARSON ENG	SINEERIN	G, INC.			Leas	se Name:	ЕНМ	KE		Well #: _	2-29
Sec. 29 T	wp. <u>18</u>	S. R.	29	_ 🗆 Ea	ast 🛛 Wes	t Cou	nty:	LANE				
tool open and close	d, flowing and to surface te	d shut-in p est, along v	ressures,	whether sl	hut-in pressi	ure reached s	tatic level, hy	/drosta	tic pressure	drill stem tests giving es, bottom hole temp of all Electric Wireling	erature, flu	id recovery,
Drill Stem Tests Tak			Yes	⊠ No		⊠ Log	F	ormati	ion (Top), [epth and Datum		☐ Sample
Sample Sent to Geo	•	ev 🗆	Yes	⊠ No		Name ANHYDRIT	Έ			Top 215	3	Datum +664
Cores Taken	-		Yes	⊠ No	o	BASE ANH HEEBNER				2189 3914	4	+628 -1097
Electric Log Run (Submit Copy)				□ No		LANSING - STARK SH BASE KAN PAWNEE		TY		395(423) 431 442(3 1	-1139 -1416 -1494 -1609
List All E. Logs Run	DUAL BORE	INDUCTIC COMP PC HOLE COI DRESISTIN	ROSITY MP SONI	С		FORT SCO CHEROKE MISSISSIP	E			447! 450! 456!	0	-1658 -1683 -1749
			• • • • •	ING RECC		New or, surface, int	Used		on etc			
Purpose of string	Size Hole Drilled	Size Ca Set (in	asing	Weight Lbs./Ft.	Setting Depth	-	Type of Cement	- Coddoll	# Sacks Used	Type and	l Percent A	additives
SURFACE	12-1/4"	8-5/	8"	23#	272'	CLASS A			175	2% GEL, 3% CC		
PRODUCTION 7-7/8" 5-1/2"			15.5#	4630'								
CONT	200 200	A.				EA-2			100	7#/SK GILSONITE, 3/4% CFR-2	1/4#/SK F	LOCELE,
AUC) (<u>f</u> () <u>toe</u>			AD	DITIONAL C	CEMENTING/	SQUEEZE R	ECOR	D			
Purpose:	KCC	De Top	pth Bottom		Туре	of Cement		# Sa	cks Used	Type and	Percent A	Additives
Perforate Protect Cas	sing	SURF	2104'	SMD					215	1/4#/SK FLOCELE		
Plug Back 1												
Shots per Foot					e Plugs Set/ al Perforated					e, Shot, Cement, Squ d of Material Used)	ueeze Rec	ord Depth
4	4379-82					·	250 GAL 15	5% MC	A			4379-82
					<u></u> :					·		
				<u></u>						,		
TUBING RECORD		Size 2-	3/8"	Set At 457		acker At	Liner Run		Yes	⊠ No		
Date of First, Resur		on, SWD o	or Enhr.	Produc	ing Method		Flanda	157	Duranina	□ Coo Lift	П 0*	hor (Evolain)
Estimated Production	5/28/08 on	Oil	Bbls.	Gas	s Mo		Flowing ter Bbl	<u>⊠</u> s.	Pumping Ga	☐ Gas Lift as-Oil Ratio	U Ot	her (Explain) Gravity
Per 24 Hours		65			0		0					40
Disposition of Gas Vented If vented, subn] Sold nit ACO-18.)	☐ Us			ION COMPUS	SIPIOle	OF COMPLET		oually Comp	o. 🔲 Comming		Production Interval 4379-4382
				400 2	i Zuagou	er (Specify)				***		

CONSERVATION DIVISION WICHITA, KS

ALLIED CEMENTING CO., INC.

30220

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 SERVICE POINT: Great Bond DATEH-27-08 SEC 29 CALLED OUT LEASE Ch MK e WELL # 2-29 LOCATION DIghton 5w 25 1e IN OLD OR NEW (Circle one) NWINTO **OWNER CONTRACTOR** TYPE OF JOB **CEMENT** HOLE SIZE AMOUNT ORDERED 180 M Common DEPTH 2751 **CASING SIZE** 3 200 28 gal **TUBING SIZE DEPTH** DRILL PIPE TOOL 180 200 @12.30 8214,00 COMMON **MINIMUM** PRES. MAX POZMIX MEAS. LINE SHOE JOINT @18,40 55,20 CEMENT LEFT IN CSG. GEL **CHLORIDE** 16,5662 DISPLACEMENT ASC **EQUIPMENT** @ KANSAS CORPORATION COMMISSIO PUMP TRUCK CEMENTER JONY SENIUS HELPER BULKITRUCK 160 **DRIVER** BULK TRUCK DRIVER @2:10 MILEAGE _ 1881401.09 676,80 TOTAL **3598.30 REMARKS:** Still Drilling when got Here rorun Surface pipe 85 **SERVICE** C'raulatetta Hole With DEPTH OF JOB PUMP TRUCK CHARGE **EXTRA FOOTAGE** (a) <u>®</u> Z∞ play Down with water MILEAGE 40 Circulate To Sunfamanifold_ @ **@** CHARGE TO: Largon TOTAL 1180,00 STREET _____ STATE_ CITY_ PLUG & FLOAT EQUIPMENT Thank @ To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was TOTAL 62.00 done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND TAX ---CONDITIONS" listed on the reverse side. TOTAL CHARGE _____ DISCOUNT -_____ IF PAID IN 30 DAYS

by Robert



CHARGE TO: LAKSON OPERATING	
ADDRESS	AU
CITY, STATE, ZIP CODE	天 2 0

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PAGE OF

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	· 	TICKET TYPE CON			_		RIG NAME/NO.	R.		DELIVERED TO			0	RDER NO.			
) .		SALES VELL TYPE	<u> ۵</u>			DELL SERVICE	OB PURPOSE		VIA	WELL PERMIT	OSTA NO	لم:	_	VELL LOCATION			
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REFERRAL LOCATION		INVOICE INSTRUCTI	ONS		<u>Q</u> C	150011 (751	CVIVOITI	KI WW	<u> </u>	l		·		אסייושט, פב	<u> </u>	123,15,	122,4
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						,											
330			1			SWEFT MUL	IT- DEUSTY STA	SPAGE		215	SKS			15	SO	3332	SO
276			1			FLOCELE				56	280		 	j	50	84	00
290			1	<u> </u>	1_	D-ADR				2	GAL		<u>i</u>	35	∞	70	00
<u> </u>	<u> </u>		1			SERVICE CH	ARGE COMPUT			225	SVS			1	90	<u> </u>	50
		KANSAS COA	1	ļ	_	DRYVAGE				22376	28	447.52	m	1	75	783	116
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MUST BE SIGNED BY C			OR TO		\dashv		ERVICES, INC.			THOUT DELAY			<u> </u>				$\dot{m{-}}$
START OF WORK OR D	ELIVERY OF GOOD	DS					. BOX 466		PERFORMI CULATIONS	THE EQUIPMEN ED JOB	"			Lanc TAX	7	184	178
X						NESS C	ITY, KS 67560	ARE	SFACTORIL YOU SATIS	FIED WITH OUR	SERVIC			10001	-		1
DATE SIGNED 5-16	_&o-	TIME SIGNED 0830		AM D P.M		785-798-2300			☐ YES		□ NO		TOTAL		6521	194	
										ISTOMER DID N							<u>L</u>
SWIFT OPERATOR		CUSTOM	ER AC		E OF M		VICES The customer hereby	acknowledge	s receipt of	the materials	and serv	rices listed on	this tick	ket.			\(\tag{ }
	ANTE WITE	50,1				John J	Lowon									Thank?	<u>rou!</u>

SWIFT Services, Inc. DATE 5-16-08 **JOB LOG** PAGE NO. CUSTOMER WELL NO. JOB TYPE LARSON OPERATENG CSMST PORT COLUR EHMKE 2-29 PRESSURE (PSI)
UBING CASING AOLUME z TIME DESCRIPTION OF OPERATION AND MATERIALS T C TUBING 0830 USTANDY HO 23/8 x 5/2 PORT COLLER = 2104 0845 1000 PST TEST CASENG - HELD OPEN PORT COLLAR - INT RATE 0820 400 119 MOX COMOST 215 SKS SMS 1/4 + FLOCKE 0855 400 31/2 0935 500 DISPACE COMPUT OPHSINISATIAN CLOSE PORT COLLAR - PSITEST - HELD 1000 ALIC DA 2008 CHCUATED IS SIS COMENT TO PUT KCC 31/2 25 RUN 4 JTS - CORCUME CLEAN 1000 450 WASH TRUCK 1100 JOB COMPLETE THANK YOU WAWE BRETT, JEFF



CHARGE TO:	
ADDRESS Operation	
CITY, STATE, ZIP CODE	

TICKET

Nº 13730

		PAGE		OF		
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_	DATE		OWNER	7		=
	5-7-08	}				
	ORDER NO.				•	_

	WELDPROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1 Hays, Ks	2.39	Ehmke	LANE	だ		5-7-08	
2 Noss Cik, Ks	TICKET TYPE CONTRACTOR SERVICE				DELIVERED TO	ORDER NO.	<u> </u>
3	☐ SALES			ツア	SW/Diskton Ks		•
<u>. </u>			PURPOSE			WELL LOCATION	
4.	oil	Decelosement a	ment 5 2" prod. as	rine			
REFERRAL LOCATION	INVOICE INSTRUCTIONS		Zielovi u = picardu	-	<u> </u>	· · · · · · · · · · · · · · · · · · ·	

PRICE REFERENCE	SECONDARY REFERENCE/	-	ACCOUNTING		DESCRIPTION		1			UNIT		
	PART NUMBER	roc	ACCT	DF		QTY.	U/M	QTY.	U/M	PRICE	AMOUNT	
<u>575</u>		1			MILEAGE # //O	4/1)	Mi		!	600	24000	
578		1			Pump Change-Longering		Ka	3/630	A	1400 m	140000	
221		1			KCL-Liquid		(104)	A		26/00	520	
281		i			Must Auch	500	ا م			(10)	57000	
290		1			D-Aie	1	Sel			3572	70100	
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	CONSERVATION DIVISION				,				î			
	wy vê cien								!	page	2512 00	
		2			See Continuation 20f2				1	n 20e 2	52923	
EGAL TERMS:	Customer hereby acknowledge	es and	d agrees to	,		RVEY	AGF	REE DECIDE	DIS- D AGREE	1 7 7 - 1 - 1	Jana J	

the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and

LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNE

TIME SIGNED

REMIT PAYMENT 10:

SWIFT SERVICES, INC. P.O. BOX 466 NESS CITY, KS 67560 785-798-2300

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS Lana 5.3% 200 SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES □ NO TOTAL 800 H ☐ CUSTOMER DID NOT WISH TO RESPOND

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

APPROVAL

A.M.

√2 P.M.

Thank You!

SWIFT
Sametage Torn

PO Box 466

TICKET CONTINUATION

TICKET

No. 13730 WELL DATE PAGE OF

CO	Nes	is City, KS 675	60	. ©			No. /3/30	
Service	o. Inc. Off	: 785-798-23	00	Lans Denting	WELL 2-29	Ehmke	DATE 5-7-DS	PAGE OF 2
PRICE REFERENCE	SECONDARY RÉFÉRENCE/ PART NUMBER	ACCOUNTIN	G TIME	DESCRIPTION FT	OTY: UM	GTY UM	UNIT PRICE	AMOUNT
325		2		Standard Coment = EA-2			12.75	1275 00
2740		2		Flocele	25 1bs	1/4 #75	150	3750
283		2		Salt	500 16	101%	130	10000
284		2		Calson	470.16	5156		/50 M
285		2		CFR-1	47 1/65	540	450	21/50
277		2		Coul Seal (gilsonite)	700 16	1/21 %	40	282/20
330		2		5MD Coment	125 5Ks	1240816	1550	193750
276		2		Floreie	32115	4 5K	150	48 M
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581	·	2		(RIAL DIA T	CUBIC FEET 225	SES	190	127 50
582		2-		MILEAGE TOTAL WEIGHT LÖADED MILES YO	725 TON MILES 77/-64		1 25	825 37
		-				\$6.50 A. A. C.	IUATION TOTAL	529237
						CV/CVVSSCA	LLGKS GLOSE BOOK STANKE STA	201001

SWIFT Services, Inc. **JOB LOG** JOB TYPE SE Longstona CUSTOMER WELL NO. 2-29 Larson Operating Ehmke PUMPS PRESSURE (PSI) VOLUME (BBL) (GAL) CHART NO. DESCRIPTION OF OPERATION AND MATERIALS * TIME TUBING CASING 1730 1950 20-25 SKC SWA

Robert C. Lewellyn

Consulting Petroleum Geologist

P. O. Box 609
Kechi, KS 67067-0609
Office 316-744-2567
Cell 316-518-0495
Fax 209-396-2988
boblew5555@msn.com

GEOLOGICAL REPORT

Larson Operating Company

Ehmke No. 2-29 350' FNL & 1785' FEL Sec. 29-18S-29W Lane County, Kansas

CONTRACTOR: H D Drilling, LLC

SPUDDED: April 26, 2008

DRILLING COMPLETED: May 07, 2008

CONFIDENTIACE CASING: 8 5/8" @ 272 KBM/175 sx.

ELECTRIC LOGS: Log-Tech DIL MEL CDL BHCS

ELEVATIONS: 2817 KB 2812 GL

FORMATION TOPS (Electric Log):

Anhydrite	2153 (+ 664)
Base Anhydrite	2189 (+ 628)
Heebner Shale	3914 (-1097)
Lansing-Kansas City Group	3956 (-1139)
Muncie Creek Shale	4126 (-1309)
Stark Shale	4233 (-1416)
Hushpuckney shale	4272 (-1455)
Base Kansas City	4311 (-1494)
Altamont	4363 (-1546)
Pawnee	4426 (-1609)
Myrick Station	4452 (-1635)
Fort Scott	4475 (-1658)
Cherokee	غ (1683ع) 4500
Mississippian	4566 (-1749 ≥ §
Electric Log Total Depth	4631 (-1814

AUG Z 1 2008 CONSERVATION DIVISION Lansing-Kansas City Zones:

3956-3965 (A Zone)

Limestone, buff to tan, dense to finely crystalline and chalky, trace of light gray chert, zone is mostly tight with no shows of oil.

3990-3995 (B Zone)

Limestone, cream to buff, finely crystalline and chalky, partly fossiliferous, trace of scattered poor to fair intercrystalline and inter-fossil porosity, no show of oil. This zone calculates favorably on the logs, but no shows were observed in the wet or dry samples.

4008-4036 (C-D Zone)

Limestone, cream to buff, dense to finely crystalline and chalky, scattered chert, light gray, fresh, opaque, zone is tight with no shows of oil.

KCC 4045-4048 (E Zone)

Limestone, buff to tan, some brown, trace of mottled, dense to finely crystalline and slightly fossiliferous, trace of poor intercrystalline porosity with trace of dead oil stain, rare trace of live oil stain on fracture faces in dense lime, faint fleeting odor, no free oil, no fluorescence, no cut.

4056-4064 (F Zone)

Limestone, buff, finely crystalline, partly chalky, partly fossiliferous, some scattered oolitic, zone is mostly tight with trace of scattered dead stain, no shows of live oil.

4066-4071 (G Zone)

Limestone, cream to buff, finely crystalline and oolitic, some chalky, scattered poor ooliticastic porosity, no show of oil.

4143-4151 (H Zone)

Limestone, tan to brown to mottled, slightly "resinous' appearance, finely crystalline and partly oolitic, fair intercrystalline and interoolitic porosity with scattered fair spotted stain, faint to fair odor, slight show of free oil, poor fluorescence, fair cut.

RECEIVED RANGES CORPORATION COMMISSION

Drill Stem Test No. 1

4124-4155

Open 15 minutes, shut in 30 minutes, open 15 minutes, shut in 30 minutes; weak blow, died in six minutes. Recovered one foot of drilling mud. ISIP 721# FSIP 613# IFP 16-16# FFP 17-17# IHP 2080# FHP 1978# BHT 114 degrees.

4167-4188 (I Zone)

Limestone, broken, buff, some tan, finely crystalline and partly fossiliferous, zone is mostly tight with only a trace of very poor intercrystalline porosity, no show of oil.

4207-4217 (J Zone)

Limestone, buff to tan, coarsely oolitic, good ooliticastic porosity, scattered poor to fair spotted stain, fair show of free oil, good odor, fair fluorescence, good cut, porosity is 60% barren.

Drill Stem Test No. 2

4203-4212

Opened tool to weak blow, lost packer seat after four minutes, pulled tool. Recovered CONFIDENT 420 feet of mud. IFP 18-26# IHP 2115# FHP 2014#

AUG 20 2008 Drill Stem Test No. 3

4186-4212

Open 15 minutes, shut in 30 minutes, open 15 minutes, shut in 30 minutes; weak quarter inch blow throughout both flow periods. Recovered 60 feet of mud. ISIP 841# FSIP 843# IFP 17-33# FFP 37-51# IHP 2116# FHP 2041# BHT 117 degrees.

4244-4257 (K Zone)

Limestone, buff, some tan, finely crystalline and slightly fossiliferous, poor intercrystalline porosity with scattered poor to fair spotted stain, very slight show of free oil, faint odor, no fluorescence, no cut.

4275-4278 (Middle Creek)

Limestone, buff, finely crystalline, mostly tight, rare trace of poor spotted stain, no free oil, faint odor, no fluorescence, no cut.

4280-4286 (L Zone)

Limestone, buff, finely crystalline and fossiliferous, poor to fair intercrystalline porosity, poor to fair spotted stain, slight show of free oil, faint to fair odor, poor fluorescence, fair

Drill Stem Test No. 4

4270-4288



Open 15 minutes, shut in 30 minutes, open 15 minutes, shut in 30 minutes; recovered one foot of mud. ISIP 42# FSIP 91# IFP 12-13# FFP 12-14# IHP 2115# FHP 2034# BHT 112 degrees.

4311-4336 (Pleasanton Zones)

The Pleasanton zone consisted of limestones, tan to brown, finely crystalline and slightly fossiliferous, zone mostly tight with a trace of scattered poor spotted stain, faint fleeting odor, no free oil, no fluorescence, no cut.

4336-4363 (Marmaton Zones)

This section consisted of limestones, buff, finely crystalline and slightly fossiliferous, scattered poor intercrystalline porosity, faint fleeting odor, no other oil shows, trace of tan chert, fresh, opaque.

4363-4372 (Altamont A Zone)

Limestone, cream to buff, dense to finely crystalline and chalky, zone is mostly tight with CONFIDENCE of oil.

AUG 2 0430834381 (Alatmont B Zone)

Chimestone, buff, finely crystalline and finely oolitic, fair intercrystalline and intercolitic porosity, poor to fair spotted stain, considerable dead stain along with the live stain, very slight show of free oil with scattered dead free oil (flaky, will not float, etc.), faint odor, very poor fluorescence, poor cut.

4397-4424 (Altamont C Zone)

Limestone, tan, some brown, dense, some dense oolitic with dark brown oolites, zone is mostly tight with no shows of oil.

4426-4469 (Pawnee-Myrick Station Zones)

This section consisted of limestones, cream to buff to tan, dense and chalky to finely crystalline, zone is tight with no show of oil, trace of tan, opaque chert.

4475-4500 (Fort Scott Zone)

Limestone, buff to tan to brown, finely crystalline and partly oolitic with dense-oolitic, zone is mostly tight with traces of very poor intercrystalline porosity with traces of dead stain, no live oil shows. Lower Fort Scott contains limestone, tan, oolitic with brown oolites, trace of poor to fair spotted stain, very slight show of free oil, faint fleeting odor, no fluorescence, no cut.

RECEIVED

AUG 2 1 2008

CONSERVATION DIVISION WICHITA, KS

4529-4553 (Johnson Zone)

Limestone, brown, dense to finely crystalline, poor intercrystalline porosity, scattered poor spotted stain, trace of stain on fracture faces in dense lime, slight show of free oil, faint fleeting odor, no fluorescence, poor cut.

4566-4599 (Mississippian Zone)

Limestone, cream to buff, dense to finely crystalline and chalky, soft and flaky, zone is mostly tight with no shows of oil, considerable light gray fresh chert.

4599-4610

Dolomite, gray mottled, finely crystalline, some oolitic, scattered poor to fair intercrystalline porosity, no show of oil

4610-4630

Dolomite, cream to buff and light gray, finely crystalline, oolitic with black oolites in gray matrix. Zone is mostly tight with no shows of oil.

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Rotary Total Depth

AUG 2 Conclusions and Recommendations:

The following zones should be perforated and production tested;

Altamont

4378-4380

J Zone

4209-4214

The "B" Zone had no samples shows but, in view of the log calculations, it should probably be perforated prior to abandonment.

Respectfully submitted,

Robert C. Lewellyn Petroleum Geologist

RCL:me

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COMPANY LA RESON ENGINEERING.
FARM WELL NO.
2-29 KANSAS 29 TOTAL DEPTH 4636 HD Dcilling, LLC 185 29W 05-07-08 28/7 KB
PRODUCTION PRODUCTION Robert C. Lewellyn, Gest 8 /8" @ 272 KBM / 175 6x. BETWEEN QUARTS TIME RATE SCALE: 1/10" = MINUTES Kraftbill 450-A TULSA. OKLAHOMA 74101

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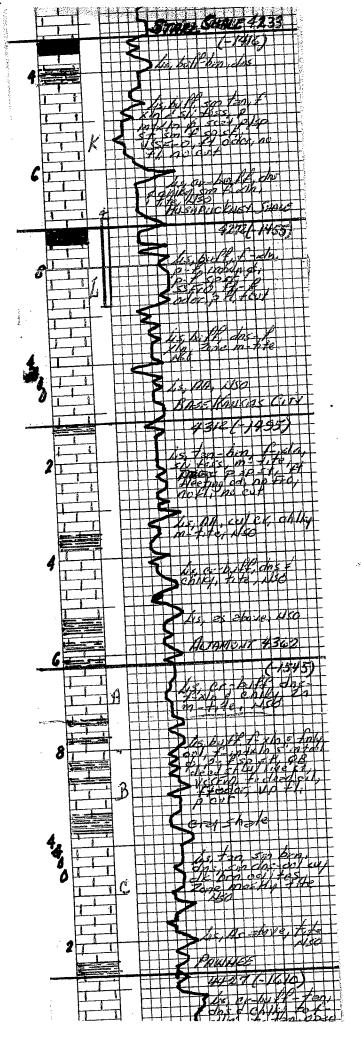
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