

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

1/14/12

CONFIDENTIAL

OPERATOR: License # 3842

API No. 15 - 101-22194-00-00

Name: LARSON ENGINEERING, INC.

Address 1: 562 WEST STATE ROAD 4

Address 2: _____

City: OLMITZ State: KS Zip: 67564 + 8561

Contact Person: TOM LARSON

Phone: (620) 653-7368

CONTRACTOR: License # 5822

Name: VAL ENERGY, INC

Wellsite Geologist: ROBERT LEWELLYN

Purchaser: NCRA

Designate Type of Completion: JAN 17 2010

New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 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. _____

9/17/2009 9/28/2009 11/9/2009

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

Spot Description: _____

NW - SE - SE - NE Sec. 8 Twp. 19 S. R. 29 East West

1984 feet from NORTH Line of Section

599 feet from EAST Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: LANE

Lease Name: RITA Well #: 2-8

Field Name: MCWHIRTER SW

Producing Formation: CHEROKEE, MARMATON, L-KC

Elevation: Ground: 2835' Kelly Bushing: 2840'

Total Depth: 4652' Plug Back Total Depth: 4596'

Amount of Surface Pipe Set and Cemented at: 262' Feet

Multiple State Cementing Collar Used? Yes No

If yes, show depth set: 2115 Feet

If Alternate II completion, cement circulated from: 2115

feet depth to: SURFACE w/ 250 sx cmt.

Drilling Fluid Management Plan AK INJ 2-10/10
(Data must be collected from the Reserve Pit)

Chloride content: 12500 ppm Fluid volume: 750 bbls

Dewatering method used: ALLOWED TO DRY

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 information 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 on 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: Carol Larson

Title: SECRETARY/TREASURER Date: 1/14/2010

Subscribed and sworn to before me this 14th day of January

2010

Notary Public: Debra Ludwig

Date Commission Expires: MAY 5, 2012

DEBRA LUDWIG
515/2012

KCC Office Use ONLY

Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

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Operator Name: LARSON ENGINEERING, INC. Lease Name: RITA Well #: 2-8

Sec. 8 Twp. 19 S. R. 29 East West County: LANE

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stem 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 geologist 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: DUAL INDUCTION
DUAL COMP POROSITY
MICRORESISTIVITY

JAN 17 2010

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
ANHYDRITE	2150	+690
BASE ANHYDRITE	2187	+653
HEEBNER SH	3915	-1075
LANSING-KANSAS CITY	3957	-1117
STARK SH	4235	-1395
BASE KANSAS CITY	4315	-1475
ALTAHONT	4368	-1528
PAWNEE	4433	-1593
FORT SCOTT	4478	-1638
CHEROKEE	4502	-1662
MISSISSIPPIAN	4568	-1728

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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	12-1/4"	8-5/8"	20#	262'	CLASS A	175	2% GEL, 3% CC
PRODUCTION	7-7/8"	4-1/2"	10.5#	4651'	SMD	100	1/4#/SK FLOCELE
					EA-2	125	7#/SK GILSONITE & 1/2% CFR-1

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top Bottom		Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	SURF	2115'	SMD	250	1/4#/SK FLOCELE
<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)	
		Amount	Depth
4	4548-50, 4391-94, 4295-98	250 GAL 15% NEFE	4548-50
4	4218-23, 4193-97	250 GAL 15% NE	4391-94
		250 GAL 15% MCA	4295-98
		250 GAL 15% MCA	4218-23
		250 GAL 15% MCA	4193-97

TUBING RECORD: Size: 2-3/8" Set At: 4593 Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or Enhr. 11/9/09 Producing Method: Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25	0	15	0	32

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>If vented, submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	PRODUCTION INTERVAL: <u>4193 - 4550 OA</u>
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CHARGE TO: Larson Engineering
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET
 No 17099

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Ness City KS WELL/PROJECT NO. 2-8 LEASE Rita COUNTY/PARISH Lane STATE KS CITY Ness City DATE 9-28-09 OWNER _____
 2. TICKET TYPE SERVICE SALES CONTRACTOR Val Drlg. Co. RIG NAME/NO. 4 SHIPPED VIA _____ DELIVERED TO Dighton ORDER NO. _____
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Cement Longstring WELL PERMIT NO. _____ WELL LOCATION Dighton-3W, 4S, 16, State
 4. REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE Trk #114	40	mi			5.00	200.00
578		1			Pump Charge Long String	1	ea			1400.00	1400.00
221		1			Liquid KCL	2	gal			25.00	50.00
281		1			Mud Flush	500	gal			1.00	500.00
419		1			Rotating Head Rental	1	ea	4 1/2"		150.00	150.00

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LEGAL TERMS: Customer hereby acknowledges and agrees to 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

X T.C. Janson
 DATE SIGNED 9-28-09 TIME SIGNED 200 A.M. P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	2300.00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	5409.20
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	7980.43

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

SWIFT OPERATOR Brett Corsair APPROVAL _____

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 17099

CUSTOMER Larson Engineering WELL Oil DATE 9-29-09 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
325		1				Standard Cement	125	sk			11.00	1375.00
330		1				Swift Multi-Density Standard	150	sk			14.00	2100.00
276		1				Flocele	70	lbs	1/4	#/sk	1.50	105.00
277		1				Coal Seal	900	lbs	7	#/sk	0.40	360.00
283		1				Salt	650	lbs	10	1/2	0.15	97.50
284		1				Cel Seal	6	sk	5	1/2	30.00	180.00
285		1				CFR-1	50	lbs	4	1/2	4.00	200.00
581		1				SERVICE CHARGE					1.50	412.50
583		1				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	CUBIC FEET	TON MILES	1.00	579.20
							28960	1158400	275	579.20		

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CONTINUATION TOTAL 5409.20

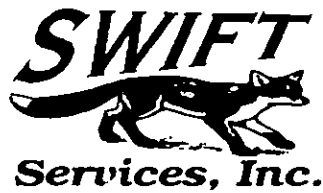
JOB LOG

SWIFT Services, Inc.

DATE 9-28-09 PAGE NO. 1

CUSTOMER Larson Engineers WELL NO. 2-8 LEASE Rita JOB TYPE Cement Logging TICKET NO. 17099

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	300							On Location TD-4652' LTD DTG-4649' TP-4649'49 PC@ 2112' PS-4649' ST-40.20' 4 1/2 10.5#
	320							Drop Ball - Break Circulation
	420	6 3/4	32	✓			300	Pump Mud Flush + KCL Flush
	426	3	7	✓				Plug Rate Hole - 30sk
	430	3	5	✓				Plug Mouse Hole - 20sk
	435	5		✓			300	Start Cement 100sk SMD 12.2ppg
		5	41	✓			250	Switch to EA-2 15.2 ppg 125sk
	500		71				-	Shut Down - Release Plug - Wash Pump Lines
	505	6 3/4		✓			250	Start Disp.
		6 3/4	50	✓			400	Lift Cement
							900	Max Lift
	515		732				1500	Land Plug - Release - Hold
	520							Wash Truck
	550							Job Complete
								Thank you Brett, Dave, & Lane
								RECEIVED JAN 15 2009 KCC WICHITA



CHARGE TO: Larson Engineering
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET
17127

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Ness City KS</u>	WELL/PROJECT NO. <u>2-8</u>	LEASE <u>Rita</u>	COUNTY/PARISH <u>Lane</u>	STATE <u>KS</u>	CITY <u>Ness City</u>	DATE <u>9-30-09</u>	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Wild West Well Service</u>	RIG NAME/NO. <u>2</u>	SHIPPED VIA	DELIVERED TO <u>Dighton</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement Port Collar</u>	WELL PERMIT NO.	WELL LOCATION <u>Dighton 3U 4S 1W 5 into</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575		1			MILEAGE Trk # 114	40	mi	5	00	200 00
5760		1			Pump Charge Port Collar	1	ec	2112	ft	1100 00
581		1			Service Charge Cement	300	skts	1	50	450 00
583		1			Drayage	599.10	TM	1	00	599 10
330		1			Swift Multi-Density Standard	250	skts	14	00	3500 00
276		1			Flocele	75	lbs	1	50	112 50
290		1			D-Air	2	gal	35	00	70 00
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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X T.C. Larson

DATE SIGNED 9-30-09 TIME SIGNED 1030 A.M. P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				6031 60
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Lane TAX 5.3% 195 17
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL 6226 77
<input type="checkbox"/> 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.

SWIFT OPERATOR Brett Corsair APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 9-30-09 PAGE NO. 1

CUSTOMER Larson Engineering WELL NO. 2-8 LEASE Rita JOB TYPE Cement Port Collar TICKET NO. 17127

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							On Location 2 3/8 x 4 1/2 PC @ 2112'
	1105			✓			1000	Pressure Test - Held
	1110	3 1/2		✓		500		Open Tool - Injection Rate
	1115	3 1/2		✓		500		Start Cement 11.2 ppg
		4	14	✓		400		Circulation at Surface
		4	119	✓		400		Cement to Surface
		4	119	✓		400		Heavy up Cement 14.0 ppg
		4	129	✓		450		250 sks Total 20 sks to pit Start Displacement
	1155		7.5					Shut Down - Close Tool
	1200	0	0	✓		1000		Pressure Test - Tool Closed Run 4 JTS
	1210	4	25	✓				Reverse Clean Wash Truck
	1230							Job Complete Thank you Brett, Dave + Rob

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Robert C. Lewellyn

Consulting Petroleum Geologist

P. O. Box 375
Kechi, KS 67067-0609
Office 316-744-2567
Cell 316-518-0495
boblewellyn@yahoo.com

GEOLOGICAL REPORT

Larson Engineering, Inc.
Rita No. 2-8
1984' FNL & 599 FEL Sec. 8-19S-29W
Lane County, Kansas

CONTRACTOR: Val Drilling, Inc., Rig 4
SPUDDED: September 17, 2009
DRILLING COMPLETED: September 27, 2009
SURFACE CASING: 8 5/8" @ 262 KBM/175 sx,
ELECTRIC LOGS: Log-Tech DIL CNL/CDL MEL
ELEVATIONS: 2840 KB 2835 GL

FORMATION TOPS (Electric Log):

Anhydrite	2150 (+ 690)
Base Anhydrite	2187 (+ 653)
Heebner Shale	3915 (-1075)
Lansing-Kansas City Group	3957 (-1117)
Muncie Creek Shale	4135 (-1295)
Stark Shale	4235 (-1395)
Hushpuckney shale	4276 (-1436)
Base Kansas City	4315 (-1475)
Altamont	4368 (-1528)
Pawnee	4433 (-1593)
Myrick Station	4455 (-1615)
Fort Scott	4478 (-1638)
Cherokee	4502 (-1662)
Mississippian	4568 (-1728)
Electric Log Total Depth	4649 (-1809)

Samples were examined microscopically from 3800 to Rotary Total Depth. Samples were examined wet and dry and samples from potentially productive zones were viewed

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under a fluoroscope and checked for oil cut. Following is a description of zones of interest, Drill Stem Tests, etc. For a complete lithologic description of all formations, refer to the sample log in the back pages of this report.

Lansing-Kansas City Zones:

3957-3968 (A Zone)

Limestone, cream to buff, dense with scattered finely crystalline, slightly fossiliferous, oolitic, chalky, scattered poor intercrystalline and interoolitic porosity, trace of very poor vugular porosity, zone contains no shows of oil.

3994-4005 (B Zone)

Limestone, cream to buff, some tan, dense to finely crystalline, trace of oolitic, partly chalky and slightly fossiliferous, trace of very poor scattered intercrystalline and interoolitic porosity, no show of oil, scattered chert, white, opaque.

4018-4043 (C/D Zone)

Limestone, buff, dense with cream chalky, some finely crystalline, slightly fossiliferous, zone is mostly tight with no shows of oil. Some scattered light gray chert.

4045-4060 (E Zone)

Limestone, buff, some brown, dense to finely crystalline, some sub-lithographic, some cream chalky limestone, scattered very poor intercrystalline porosity, rare trace of dead stain, no free oil, faint fleeting odor, no fluorescence, no cut.

4062-4065 (F Zone)

Limestone, dolomitic, buff, finely crystalline and partly fossiliferous, trace of very poor intercrystalline and interfossil porosity with scattered traces of dark brown to dead stain, very slight show of free oil, faint fleeting odor, no fluorescence, no cut.

4077-4088 (G Zone)

Limestone, cream to buff, finely crystalline, partly oolitic, partly chalky, poor scattered oolitic porosity, no show of oil, some scattered white chert. Lower portion contains cream, chalky to finely crystalline limestone, scattered intercrystalline porosity with no shows of oil.

4156-4169 (H Zone)

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Limestone, buff to tan, some brown, finely crystalline with some slightly fossiliferous, poor to fair interfossil and intercrystalline porosity, fair spotted stain, slight show of free oil, faint odor, poor fluorescence, fair cut.

Drill Stem Test No. 1 4135-4160
15-30-15-30; weak surface blow throughout first flow, blow did not return on second flow; recovered five feet of mud. ISIP 949# FSIP 932# IFP 13-16# FFP 16-20# IHP 2012# FHP 1993# BHT 114 degrees.

4193-4197 (I Zone)

Limestone, cream to buff, some gray, dense to finely crystalline, slightly oolitic, scattered poor to fair intercrystalline and interoolitic porosity, some scattered vugular porosity, fair spotted stain, slight show of free oil, fair to good odor, poor fluorescence, fair cut, trace of pyrite.

Drill Stem Test No. 2 4174-4205
15-30-45-90; quarter-inch blow throughout first flow, surface blow returned 15 minutes into second flow and lasted throughout second flow period; recovered ten feet of mud with oil spots on top. ISIP 401# FSIP 401# IFP 17-21# FFP 28-28# IHP 2040# FHP 1991# BHT 116 degrees.

4218-4223 (J Zone)

Limestone, very slightly dolomitic, buff to tan, finely crystalline and oolitic, some grey oolitic with dark grey oolites, slightly fossiliferous, fair intercrystalline and interoolitic porosity, some fair ooliticastic porosity, fair spotted stain, good show of free oil, good odor, poor fluorescence, fair cut, slightly pyritic.

Drill Stem Test No. 3 4199-4248
15-30-30-60; half-inch blow throughout first flow; quarter-inch blow throughout second flow; recovered 30 feet of mud with six inches of free oil on top of recovery. ISIP 497# FSIP 481# IFP 18-26# FFP 28-39# IHP 2052# FHP 1997# BHT 115 degrees.

4244-4250 (K Zone)

Limestone, cream to buff to tan, dense to finely crystalline, some oolitic and dense-oolitic, chalky in part, trace of very poor intercrystalline porosity, trace of interoolitic porosity, rare trace of very poor spotted stain, no odor, no free oil, no fluorescence, no cut. Lower portion of "K" zone exhibits some poor intercrystalline porosity but no shows of oil.

4279-4282 (Middle Creek Zone)

Limestone, buff, dense to finely crystalline and chalky, some buff-grey, slightly fossiliferous, slightly oolitic, partly sub-lithographic limestone, no show of oil.

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4286-4297 (L Zone)

Limestone, buff, some light grey, finely crystalline, some medium crystalline and slightly dolomitic, trace of scattered finely oolitic, scattered poor to fair intercrystalline and small vug porosity, scattered light spotted stain, very slight show of free oil, faint fleeting odor, poor fluorescence, fair cut, some light stain on fracture faces.

Drill Stem Test No. 4

4273-4304

15-30-15-30; weak blow, died in nine minutes, no blow on second flow; recovered two feet of mud. ISIP 671# FSIP 643# IFP 16-17# FFP 17-18# IHP 2085# FHP 2023# BHT 113 degrees.

4315-4347 (Pleasanton Zone)

This section consisted of limestones, tan to brown, dense to finely crystalline, some cream chalky, mostly tight with only a trace of scattered poor intercrystalline porosity, no shows of oil.

4347-4358 (Lenapah Zone)

Limestone, buff to tan, some brown, some "resinous", dense to finely crystalline, oolitic in part, scattered poor intercrystalline and interoolitic porosity, scattered poor spotted stain, very slight show of free oil, faint fleeting odor, poor fluorescence, poor cut.

4390-4394 (Altamont Zone)

Limestone, cream to buff, dense to finely crystalline, some medium crystalline, partly fossiliferous, poor to fair intercrystalline and scattered vugular porosity, poor to fair spotted stain, fair show of free oil, faint odor, poor fluorescence, fair cut.

Drill Stem Test No 5

4340-4406

15-30-45-90; weak one-inch blow throughout first flow, half-inch blow on second opening built to 8 ½ inch blow on final flow, no blowback; recovered 30 feet weak gas, 30 feet of heavily oil cut mud (45% oil, 55% mud) and 60 feet of oil cut mud (20% oil, 80% mud). ISIP 366# FSIP 769# IFP 20-32# FFP 32-49# IHP 2125# FHP 2092# BHT 120 degrees.

The lower portion of the Altamont section consisted of limestone, buff, dense with some sub-lithographic, some finely crystalline and chalky, section is mostly tight with no shows of oil.

4434-4436 & 4445-4449 (Pawnee Zone)

Limestone, cream to buff, dense and chalky, some finely crystalline with fair intercrystalline porosity, trace of poor vugular porosity, trace of oolitic with poor

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interoolitic porosity, trace of poor spotted stain, some dead stain, slight show of free oil, faint questionable odor, no fluorescence, poor cut. Much light gray, sub-translucent chert.

4462-4467 (Myrick Station Zone)

Limestone, cream to buff, dense to finely crystalline, slightly fossiliferous, few pieces with poor to fair intercrystalline porosity, slight show of free oil, faint odor, poor fluorescence, poor cut.

4478-4484 (Fort Scott Zone)

Limestone, tan to brown, dense to finely crystalline and oolitic, some dense-oolitic, some brown oolitic chert, mostly tight with trace of poor intercrystalline and interoolitic porosity, scattered very poor spotted stain, no free oil, no odor, no fluorescence, no cut.

4494-4502 (Lower Fort Scott Zone)

Limestone, buff, finely crystalline, slightly fossiliferous, poor scattered intercrystalline and small vug porosity, poor spotted stain, slight show of free oil, faint odor, no fluorescence, poor cut.

4504-4541 (Cherokee Limestones)

This section consisted of limestones, buff to tan to brown, dense to finely crystalline and partly oolitic, some partly fossiliferous, some intermittent streaks of poor intercrystalline and interfossil porosity with poor spotted stain, slight show of free oil, faint fleeting odor, no fluorescence and poor cut.

4541-4542 & 4548-4550 (Johnson Zone)

Limestone, buff to tan, some brown, dense to finely crystalline, slightly fossiliferous, some fair intercrystalline porosity with a trace of scattered vugular porosity, poor to fair spotted stain, fair show of free oil, good odor, fair fluorescence, fair cut.

Drill Stem Test No. 6

4429-4557

15-30-30-60; weak surface blow throughout first flow period, surface blow in three minutes of second flow, built to one-half inch blow through out second flow; recovered 30 feet of mud with oil spots. ISIP 1099# FSIP 1134# IFP 20-34# FFP 37-43# IHP 2174# FHP 2084# BHT 119 degrees.

4568-4580 (Mississippian)

Limestone, buff, slightly dolomitic, dense to finely crystalline, friable, brittle, partly chalky, some oolitic in part, slightly fossiliferous, trace of very poor intercrystalline porosity, no show of oil.

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4580-4649 (Mississippi Dolomite)

Dolomite, tan, fine to medium crystalline, poor intercrystalline porosity, no show of oil, partly oolitic with dark gray to black oolites, grading downward to buff dolomite, oolitic and fossiliferous, no shows of oil were observed in this section.

4649

Rotary Total Depth

Conclusions and Recommendations:

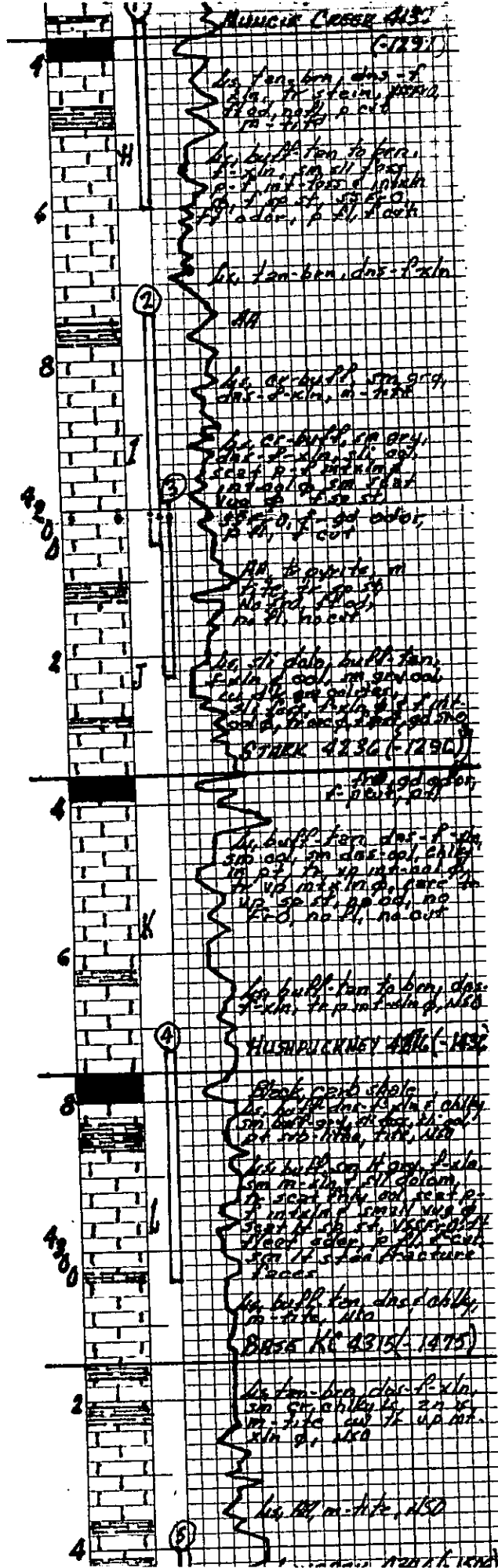
Production casing was cemented in the No. 2-8 Rita to produce the Altamont and other possible productive formations.

Respectfully submitted,

Robert C. Lewellyn
Consulting Petroleum Geologist

RCL:me

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