

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

9/12/09  
ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 3842  
Name: LARSON ENGINEERING, INC.  
Address: 562 WEST STATE ROAD 4  
City/State/Zip: OLMITZ, KS 67564-8561  
Purchaser: \_\_\_\_\_  
Operator Contact Person: TOM LARSON  
Phone: (620) 653-7368  
Contractor: Name: MRUFIN DRILLING CO., INC.  
License: 30606  
Wellsite Geologist: ROBERT C. LEWELLYN

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. \_\_\_\_\_

5/16/2007 5/26/2007  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 101-22011-00-00  
County: LANE  
APP SE SW NW NW Sec. 23 Twp. 19 S. R. 30  East  West  
1310 feet from NORTH Line of Section  
365 feet from WEST Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: MOOMAW Well #: 1-23  
Field Name: WILDCAT  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 2879' Kelly Bushing: 2884'  
Total Depth: 4640' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 258 Feet  
Multiple State Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan PA NJ 2-18-09  
(Data must be collected from the Reserve Pit)  
Chloride content 11000 ppm Fluid volume 800 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 South 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 Lee  
Title: SECRETARY/TREASURER Date: 9/12/2007  
Subscribed and sworn to before me this 12TH day of SEPTEMBER,  
2007.  
Notary Public: Katherine S. Jonas  
Date Commission Expires: 11-13-08



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

RECEIVED  
KANSAS CORPORATION COMMISSION  
SEP 13 2007  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: LARSON ENGINEERING, INC. Lease Name: MOOMAW Well #: 1-23  
 Sec. 23 Twp. 19S S. R. 30  East  West County: LANE

**INSTRUCTIONS:** Show important tops and base of formation penetrated. Detail all cores. Report all final copes 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Sample Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run: DUAL INDUCTION DUAL COMP POROSITY BOREHOLE COMP SONIC MICRORESISTIVITY	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>ANHYDRITE</td> <td>2178</td> <td>+706</td> </tr> <tr> <td>BAS ANHYDRITE</td> <td>2236</td> <td>+648</td> </tr> <tr> <td>HEEBNER SH</td> <td>3926</td> <td>-1042</td> </tr> <tr> <td>LANSING-KANSAS CITY</td> <td>3969</td> <td>-1085</td> </tr> <tr> <td>STARK SH</td> <td>4259</td> <td>-1375</td> </tr> <tr> <td>BASE KANSAS CITY</td> <td>4341</td> <td>-1457</td> </tr> <tr> <td>PAWNEE</td> <td>4468</td> <td>-1584</td> </tr> <tr> <td>FORT SCOTT</td> <td>4510</td> <td>-1626</td> </tr> <tr> <td>CHEROKEE</td> <td>4533</td> <td>-1649</td> </tr> <tr> <td>MISSISSIPPI</td> <td>4593</td> <td>-1709</td> </tr> </table> <div style="text-align: center; margin-top: 10px;"> <p><b>KCC</b>  <b>SEP 12 2007</b>  <b>CONFIDENTIAL</b></p> </div>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	ANHYDRITE	2178	+706	BAS ANHYDRITE	2236	+648	HEEBNER SH	3926	-1042	LANSING-KANSAS CITY	3969	-1085	STARK SH	4259	-1375	BASE KANSAS CITY	4341	-1457	PAWNEE	4468	-1584	FORT SCOTT	4510	-1626	CHEROKEE	4533	-1649	MISSISSIPPI	4593	-1709
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																																			
Name	Top	Datum																																			
ANHYDRITE	2178	+706																																			
BAS ANHYDRITE	2236	+648																																			
HEEBNER SH	3926	-1042																																			
LANSING-KANSAS CITY	3969	-1085																																			
STARK SH	4259	-1375																																			
BASE KANSAS CITY	4341	-1457																																			
PAWNEE	4468	-1584																																			
FORT SCOTT	4510	-1626																																			
CHEROKEE	4533	-1649																																			
MISSISSIPPI	4593	-1709																																			

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	# Sacks Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	23#	258'	CLASS A	180	2% GEL, 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid. Fracture, Shot, Cement, Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD			Size	Set At	Packer At	Liner Run		
						<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First, Resumed Production, SWD or Enhr.				Producing Method				
				<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 <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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input checked="" type="checkbox"/> Other (Specify) <u>D&amp;A</u>	Production Interval _____
---	---	------------------------------

# ALLIED CEMENTING CO., INC.

30395

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Mo. S.

DATE <u>5-27-05</u>	SEC <u>23</u>	TWP <u>19</u>	RANGE <u>30</u>	CALLED OUT <u>8 AM</u>	ON LOCATION <u>12 AM</u>	JOB START <u>5 AM</u>	JOB FINISH <u>6 AM</u>
LEAD <u>MOOMAW</u>	WELL # <u>1-23</u>	LOCATION <u>Amy 1/2 W 6 1/2 S E 15</u>	COUNTY <u>HERE</u>	STATE <u>K.S.</u>			
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Murfin Rig 24

TYPE OF JOB Rotary Plug

HOLE SIZE \_\_\_\_\_ T.D. 4643

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH 2250

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

EQUIPMENT

PUMP TRUCK CEMENTER Mike M.

# 120 HELPER J. D.

BULK TRUCK

# 357 DRIVER Marlyn S.

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

50 sk at 2250 ft

80 sk at 1470 ft

50 sk at 750 ft

40 sk at 270 ft

20 sk at 60 ft

15 sk at RH

10 sk at MH

CHARGE TO: Hanson Eng

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

*Thank  
you  
CAD*

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 done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE *Anthony Martin*

Great Job Guys

OWNER SEP 12 2007

**CONFIDENTIAL**

CEMENT

AMOUNT ORDERED 265 60 40 62 gel

1/2 flo seal 8.11 sk.

COMMON	<u>159</u>	@	<u>12.60</u>	<u>2003.40</u>
POZMIX	<u>106</u>	@	<u>6.20</u>	<u>657.20</u>
GEL	<u>16</u>	@	<u>16.65</u>	<u>266.40</u>
CHLORIDE		@		
ASC		@		
<u>flo seal 66</u>		@	<u>2.00</u>	<u>132.00</u>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>283</u>	@	<u>1.90</u>	<u>537.70</u>
MILEAGE	<u>46.9.283</u>			<u>1171.62</u>
TOTAL				<u>4768.32</u>

SERVICE

DEPTH OF JOB	<u>2250 ft</u>		
PUMP TRUCK CHARGE			<u>955.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>46</u>	@	<u>6.00 276.00</u>
MANIFOLD		@	
		@	
TOTAL <u>1231.00</u>			

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL <u>0</u>		

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

Anthony Martin

PRINTED NAME

# ALLIED CEMENTING CO., INC.

25875

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <u>5-16-07</u>	SEC. <u>23</u>	TWP. <u>19S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>4:30 PM</u>	JOB START <u>6:30 PM</u>	JOB FINISH <u>7:00 PM</u>
LEASE <u>Ymoonaw</u>	WELL # <u>1-23</u>	LOCATION <u>Amy 1/2 W - 6 1/4 S - E. S.</u>	COUNTY <u>Lane</u>	STATE <u>Kan</u>			
OLD OR NEW (Circle one)							

CONTRACTOR Murfin Dals Co #24 OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 259'

CASING SIZE 8 5/8 DEPTH 289'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 15 1/2 BBL

**EQUIPMENT**

PUMP TRUCK CEMENTER Walt

# 102 HELPER Kelly

BULK TRUCK

# 218 DRIVER Rex

BULK TRUCK

# DRIVER

**REMARKS:**

Cement Did Cure

Thank You

CHARGE TO: Larson Operating

STREET

CITY STATE ZIP

**SERVICE**

DEPTH OF JOB

PUMP TRUCK CHARGE 815.00

EXTRA FOOTAGE @

MILEAGE 46 miles @ 6.00 276.00

MANIFOLD @

@

@

TOTAL 1,091.00

**PLUG & FLOAT EQUIPMENT**

@

@

@

@

@

TOTAL

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE Anthony Mart...

Great Job Guys

Anthony Mart...  
PRINTED NAME

KCC  
SEP 12 2007  
CONFIDENTIAL

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 done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

# **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**

Moomaw No. 1-23  
1310' FNL & 365' FWL Sec. 23-19S-30W  
Lane County, Kansas

**CONTRACTOR:** Murfin Drilling Co. Rig #24  
**SPUDDED:** May 16, 2007  
**DRILLING COMPLETED:** May 26, 2007  
**SURFACE CASING:** 8 5/8" @ 258 KBM/180 sx.  
**ELECTRIC LOGS:** Log-Tech CDN DIL ML SNL  
**ELEVATIONS:** 2884 KB 2879 GL

### **FORMATION TOPS (Electric Log):**

Anhydrite	2178 (+0706)
Base Anhydrite	2236 (+0648)
Heebner Shale	3926 (-1042)
Lansing-Kansas City Group	3969 (-1085)
Muncie Creek Shale	4156 (-1272)
Stark Shale	4259 (-1375)
Hushpuckney shale	4297 (-1413)
Base Kansas City	4341 (-1457)
Marmaton (Lenapah)	4373 (-1489)
Altamont	4392 (-1508)
Pawnee	4468 (-1584)
Myrick Station	4489 (-1605)
Fort Scott	4510 (-1626)
Cherokee	4533 (-1649)
Mississippian	4593 (-1709)
Electric Log Total Depth	4640 (-1756)

KCC  
SEP 12 2007  
CONFIDENTIAL

KANSAS CORPORATION COMMISSION

SEP 13 2007

CONSERVATION DIVISION  
WICHITA, KS

Samples were examined microscopically from 3850 to Rotary Total Depth. Samples were examined wet and dry and samples from potentially productive zones were viewed 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:

3969-3975 (A Zone)

Limestone, buff to tan, finely crystalline, partly fossiliferous and oolitic, fair interfossil and interoolitic porosity, considerable chalk in zone, no show of oil.

4010-4014 (B Zone)

Limestone, buff, finely crystalline, partly fossiliferous and slightly oolitic, trace of poor intercrystalline porosity with traces of dead, tarry stain, no free oil, no live stain, no odor, no fluorescence, no cut. No show of live oil.

4031-4059 (C-D Zone)

Limestone, cream to buff, dense with much chalky lime, zone is mostly tight with no shows of oil.

4061-4068 (E Zone)

Limestone, cream to buff, dense to finely crystalline with much chalk, zone is mostly tight with no show of oil.

4086-4089 (F Zone)

Limestone, buff to tan, finely crystalline and fossiliferous, poor to fair intercrystalline and interfossil porosity, no show of oil, some light gray, fresh chert in section.

4099-4114 (G Zone)

Limestone, buff, finely crystalline and oolitic, fair ooliticastic porosity, no show of oil. Zone grades to dense and chalky limestone below 4114.

4169-4176 (H Zone)

Limestone, buff, some tan, finely crystalline and partly oolitic, partly fossiliferous, poor to fair intercrystalline and interoolitic porosity, no show of oil, some light gray, opaque chert.

RECEIVED  
KANSAS CORPORATION COMMISSION

SEP 13 2007

4214-4217 (I Zone)

Limestone, buff to tan, finely crystalline, partly oolitic, partly fossiliferous, some scattered poor to fair intercrystalline and interfossil porosity, no show of oil.

4241-4246 (J Zone)

Limestone, buff, finely crystalline and oolitic, fair ooliticastic porosity with a trace of dead stain, no free oil, no live stain, no odor, no fluorescence, no cut.

4267-4271 (K Zone)

Limestone, buff to tan, finely crystalline, partly chalky, trace of fossiliferous, scattered poor to fair intercrystalline porosity, no show of oil.

4314-4326 (L Zone)

Limestone, buff to tan, finely crystalline and oolitic, fossiliferous in part, poor scattered intercrystalline and interoolitic porosity, no show of oil.

Pleasanton Zones:

4343-4368

The Pleasanton section consisted of limestones, buff to tan, dense with much cream chalky limestone. The section was mostly tight and contained no shows of oil.

Marmaton Zones:

4373-4386

Limestone, buff to tan to brown, dense, some finely crystalline, zone is mostly tight with no shows of oil.

Altamont Zones:

4392-4416 (Altamont A)

Limestone, cream to buff, some tan, dense to finely crystalline, fossiliferous, poor to fair intercrystalline and interfossil porosity, slight show of free oil, trace of light spotted stain, faint fleeting odor, poor fluorescence, poor to fair cut.

Drill Stem Test No. 1                      4370-4419

Open 15 minutes, shut in 30 minutes, open 30 minutes, shut in 60 minutes; weak surface blow throughout initial 15 minute flow period, blow did not return on second flow.

Recovered 15 feet of mud with spots of oil in the tool. ISIP 1104# FSIP 1104#

RECEIVED  
KANSAS CORPORATION COMMISSION

SEP 13 2007

CONSERVATION DIVISION  
LAW OFFICE

IFP 17-22# FFP 23-34# IHP 2122# FHP 2093# BHT 125 degrees.

4418-4423 (Altamont B)

Limestone, cream to buff, dense to finely crystalline with some cream chalky, trace of poor scattered intercrystalline porosity with very slight show of free oil, trace of poor light spotted stain, no odor, no fluorescence, questionable cut.

4452-4458 (Altamont C)

Limestone, cream to buff, finely crystalline, fossiliferous and partly oolitic, fair intercrystalline and interoolitic porosity, fair to good show of free oil, fair odor, poor to fair fluorescence, fair cut.

Pawnee Zones:

4468-4486

Limestone, tan to brown, dense, some finely crystalline, trace of scattered poor intercrystalline porosity with trace of poor light spotted stain, no free oil, no odor, no fluorescence, questionable cut.

Myrick Station:

Limestone, buff to tan to brown, dense to finely crystalline, scattered poor intercrystalline porosity, trace of scattered light spotted stain, no free oil, no odor, no fluorescence, questionable cut.

Fort Scott:

4510-4533

Limestone, tan to brown, dense, some dense oolitic and oolitic, some finely crystalline, trace of poor intercrystalline porosity with rare trace of poor stain, no free oil, no odor, no fluorescence, no cut.

Drill Stem Test No. 2                      4408-4544

Open 15 minutes, shut in 30 minutes, open 45 minutes, shut in 90 minutes; quarter-inch blow built to 1 ½ " blow on first flow period, no blowback, surface blow built to two-inch blow on second flow, no blowback. Recovered 68 feet of mud with spots of oil (100% mud), 120 feet of water cut mud with spots of oil (20% water, 80% mud). ISIP 1115# FSIP 1118# IFP 25-47# FFP 54-107# IHP 2167# FHP 2148# BHT 125 degrees.

Johnson Zone:

4570-4586

RECEIVED  
KANSAS CORPORATION COMMISSION

SEP 13 2007



Limestone, buff to tan to brown, dense to finely crystalline, fair to good intercrystalline and vugular porosity, good show of free oil, good odor, fair to good spotted stain, fair fluorescence, good cut.

Drill Stem Test No. 3

4539-4595

Open 15 minutes, shut in 30 minutes, open 30 minutes, shut in 60 minutes; surface blow built to one-inch blow on first flow, no blowback, blow did not return on second flow period. Recovered 70 feet of mud with spots of oil. ISIP 1190# FSIP 1183# IFP 19-34# FFP 35-56# IHP 2224# FHP 2199# BHT 122 degrees.

Mississippian Zones:

4593-4638

Limestone, buff to tan, finely crystalline with some cream chalky, some tan dense, section is mostly tight with no shows of oil.

4638-4643

Limestone, dolomitic, buff, finely crystalline and fossiliferous, poor to fair vugular and pinpoint porosity, some fair intercrystalline porosity, fair to good spotted to saturated stain, fair to good show of gassy free oil, good odor, fair fluorescence, fair cut.

Drill Stem Test No. 4

4606-4643

Open 15 minutes, shut in 30 minutes, open 30 minutes, shut in 60 minutes; weak surface blow built to quarter-inch blow on first flow, blow did not return on second flow. Recovered 20 feet of mud with spots of oil in tool. ISIP 1144# FSIP 1127 IFP 20-25# FFP 26-35# IHP 2316# FHP 2271# BHT 122 degrees.

4643

Rotary Total depth

Conclusions and Recommendations:

Sample examination, drill stem testing, and electric logging revealed no zones of potential commercial production of oil or gas in the No. 1-23 Moomaw. Because of the unfavorable structural position on the top of the Mississippian it was elected to plug and abandon this well after the Mississippian drill stem test at a depth of 4643.

Respectfully submitted,

Robert C. Lewellyn  
Petroleum Geologist

RCL:me

RECEIVED  
KANSAS CORPORATION COMMISSION

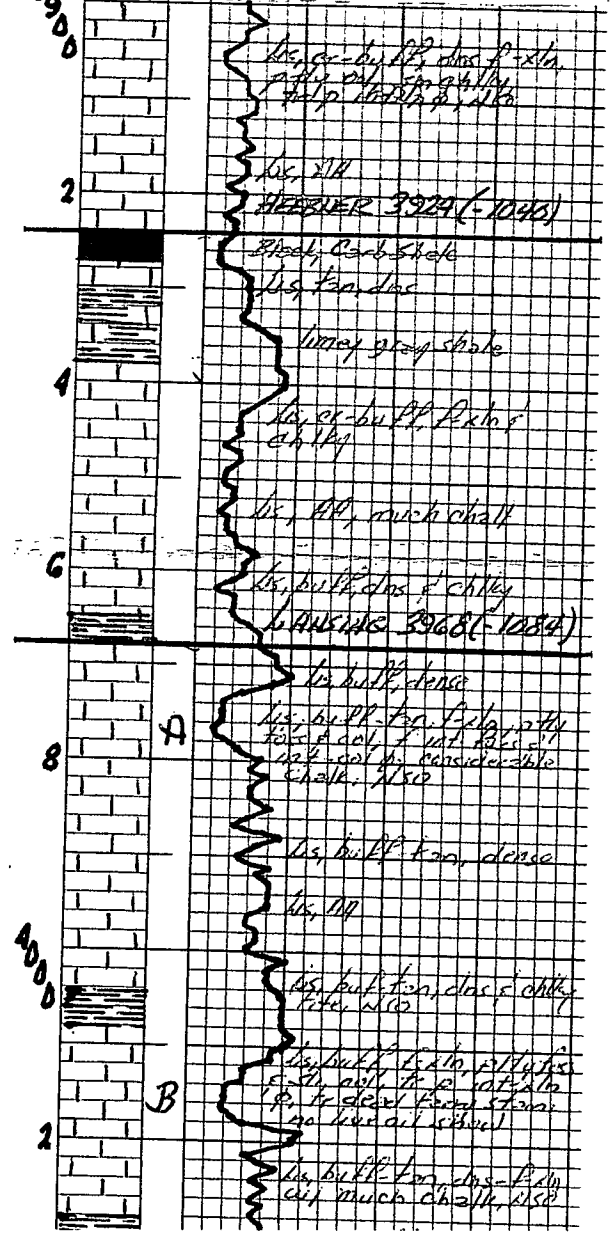
SEP 13 2007

STATE OF KANSAS

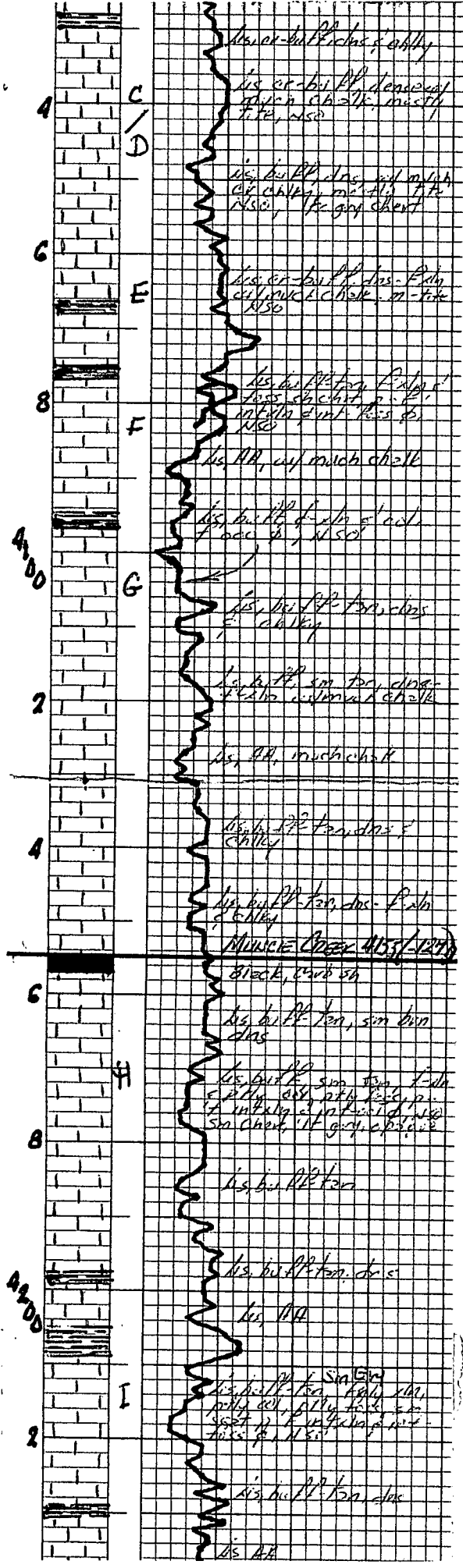
STATE <b>KANSAS</b>		COMPANY <b>NARSON OPERATING Co.</b>	
COUNTY <b>LANE</b>	FARM <b>MOONMAN</b>	WELL NO. <b>1-23</b>	
BLOCK <b>23</b>	SURVEY <b>1310 FHL &amp; 365' FHL</b>		
SEC. <b>23</b>		TOTAL DEPTH <b>4643</b>	
T. <b>195</b>	R. <b>30W</b>	CONTRACTOR <b>Murkin Rig #24</b>	
ALTIMITUDE <b>2884 KB</b>		COMMENCED <b>MAY 16, 2007</b>	
PRODUCTION <b>O &amp; A</b>		COMPLETED <b>MAY 26, 2007</b>	
REMARKS <b>Robert C. Lovell (Geo)</b>			
CASING RECORD <b>8.5" @ 258 / KBM / 100 SX</b>			
SHOT		QUARTS	BETWEEN

TIME RATE SCALE: 1/10" = MINUTES

**Kraftbilt 450-A** TULSA, OKLAHOMA 74101 PRINTED IN U.S.A.



KANSAS COMMISSION ON OIL & GAS  
 SEP 13 2007  
 CONSERVATION DIVISION  
 WICHITA, KS



REGISTERED  
 KANSAS CORPORATION COMMISSION  
 SEP 13 2007  
 CONCRETE DIVISION  
 WASHINGTON



