

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

5/11/11

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3842

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 # 33935

Name: H. D. DRILLING, LLC

Wellsite Geologist: ROBERT LEWEL

Purchaser:

Designate Type of Completion:

- 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.

1/12/2009 1/23/2009 PA01/23/05

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

API No. 15 - 101-22149-00-00

Spot Description:

SW - NW - SE - SE Sec. 8 Twp. 19 S. R. 30 East West

747 feet from SOUTH Line of Section

1099 feet from EAST Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: LANE

Lease Name: NEELEY Well #: 1-8

Field Name: WILDCAT

Producing Formation:

Elevation: Ground: 2899' Kelly Bushing: 2904'

Total Depth: 4666' Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 251 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.

PA-DWG - 6/15/09

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 12900 ppm Fluid volume: 800 bbls

Dewatering method used: ALLOW 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 Ren

Title: SECRETARY/TREASURER Date: 5/11/2009

Subscribed and sworn to before me this 11 day of MAY

20 09. Notary Public: Debra J. Ludwig

Date Commission Expires: MAY 5, 2012

DEBRA J. LUDWIG
Notary Public - State of Kansas
My Appt. Expires 5/5/2012

KCC Office Use ONLY

Letter of Confidentiality Received

If Denied, Yes Date:

Wireline Log Received

Geologist Report Received

UIC Distribution

KANSAS CORPORATION COMMISSION

MAY 12 2009

RECEIVED

Operator Name: LARSON ENGINEERING, INC. Lease Name: NEELEY Well #: 1-8

Sec. 8 Twp. 19 S. R. 30 East West County: LANE

INSTRUCTIONS: Show important tops and base of formations 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> Samples 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 MICRORESISTIVITY	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> <tr> <td>ANHYDRITE</td> <td>2201</td> <td>+703</td> </tr> <tr> <td>BASE ANHYDRITE</td> <td>2259</td> <td>+645</td> </tr> <tr> <td>HEEBNER SH</td> <td>3935</td> <td>-1031</td> </tr> <tr> <td>LANSING KANSAS CITY</td> <td>3976</td> <td>-1072</td> </tr> <tr> <td>STARK SH</td> <td>4272</td> <td>-1368</td> </tr> <tr> <td>BASE KANSAS CITY</td> <td>4349</td> <td>-1445</td> </tr> <tr> <td>ALTAMONT</td> <td>4392</td> <td>-1488</td> </tr> <tr> <td>PAWNEE</td> <td>4473</td> <td>-1569</td> </tr> <tr> <td>FORT SCOTT</td> <td>4517</td> <td>-1613</td> </tr> <tr> <td>CHEROKEE</td> <td>4541</td> <td>-1637</td> </tr> <tr> <td>MISSISSIPPI</td> <td>4600</td> <td>-1696</td> </tr> </table>	Name	Top	Datum	ANHYDRITE	2201	+703	BASE ANHYDRITE	2259	+645	HEEBNER SH	3935	-1031	LANSING KANSAS CITY	3976	-1072	STARK SH	4272	-1368	BASE KANSAS CITY	4349	-1445	ALTAMONT	4392	-1488	PAWNEE	4473	-1569	FORT SCOTT	4517	-1613	CHEROKEE	4541	-1637	MISSISSIPPI	4600	-1696
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CASING RECORD <input 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"	28#	251'	CLASS A	175	2% GEL, 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Top	Bottom			

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)	Depth

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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) P & A	PRODUCTION INTERVAL: _____
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LARSON ENGINEERING INC.

EXPLORATION AND PRODUCTION
562 WEST STATE ROAD 4
OLMITZ, KS 67564-8561

(620) 653-7368
(620) 653-7635 FAX

ACO-1 CONFIDENTIALITY REQUEST

VIA CERTIFIED MAIL

May 11, 2009

Kansas Corporation Commission
Oil & Gas Conservation Division
130 South Market, Room 2078
Wichita, KS 67202

CONFIDENTIAL

MAY 11 2009

KCC

Re: Neeley 1-8
747' FSL & 1099' FEL Sec. 8-19S-30W
Lane County, Kansas
API #15-101-22149-00-00

Ladies and Gentlemen:

Enclosed please find the ACO-1 Well Completion Form, with copies of the following:

wireline logs
geologist well report
drillstem test data
cementing tickets

We request that all information be held confidential for the maximum time allowable.

If you have questions or require additional information, please call.

Sincerely,

Larson Engineering, Inc.



Carol Larson
Secretary/Treasurer

Encl.

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ALLIED CEMENTING CO., LLC. 33499

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

SERVICE POINT:
Ness City

DATE <u>1-12-09</u>	SEC <u>8</u>	TWP. <u>19s</u>	RANGE <u>30w</u>	CALLED OUT <u>2:30pm</u>	ON LOCATION <u>4:00pm</u>	JOB START <u>6:30pm</u>	JOB FINISH <u>7:00pm</u>
LEASE <u>Neeley</u>	WELL # <u>1-8</u>	LOCATION <u>Amy, rd to Bison Rd. 4 3/4 mi</u>			COUNTY <u>Lane</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>w/into</u>			

CONTRACTOR H-O
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 254.20'
CASING SIZE 8 5/8 DEPTH 254.20
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX 400# MINIMUM _____
MEAS. LINE _____ SHOE JOINT 20ft
CEMENT LEFT IN CSG. 20ft
PERFS. _____
DISPLACEMENT Fresh Water
CONFIDENTIAL
MAY 11 2009 EQUIPMENT
PUMP TRUCK # 366 CEMENTER Tyler
HELPER Grilen
BULK TRUCK # 482/112 DRIVER David
BULK TRUCK # _____ DRIVER _____

OWNER Carson
CEMENT AMOUNT ORDERED 175sx common, 3%cc, 2% gel.
COMMON 175 @ 13.65 2388.75
POZMIX _____ @ _____
GEL 3 @ 20.40 61.20
CHLORIDE 5 @ 57.15 285.75
ASC _____ @ _____
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HANDLING 183 @ 2.25 411.75
MILEAGE 183 x .10 x 43 786.90
TOTAL 3,934.35

REMARKS:

pipe on bottom, break circulation,
mix 175sx common, 3%cc, 2%gel, displace
with 14 3/4 bbls Fresh water, Shut down,
close in, Rig down,
Cement did circulate

SERVICE

DEPTH OF JOB 254.20'
PUMP TRUCK CHARGE _____ 999.00
EXTRA FOOTAGE _____ @ _____
MILEAGE 43 @ 7.00 301.00
MANIFOLD _____ @ _____

TOTAL 1300.00

CHARGE TO: Carson
STREET _____
CITY _____ STATE _____ ZIP _____

Thank YOU.

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X Doug Roberts
SIGNATURE X Doug Roberts
THANKS!

PLUG & FLOAT EQUIPMENT

TOTAL _____
SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 33279

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

SERVICE POINT:
Ness City

DATE <u>1-23-09</u>	SEC <u>8</u>	TWP <u>19s</u>	RANGE <u>30w</u>	CALLED OUT <u>10:30am</u>	ON LOCATION <u>2:00pm</u>	JOB START <u>6:30pm</u>	JOB FINISH <u>7:00pm</u>
LEASE <u>Neely</u>		WELL # <u>1-8</u>	LOCATION <u>Army, 2w to Bison Rd,</u>		COUNTY <u>Lane</u>	STATE <u>KS</u>	
<input checked="" type="radio"/> OLD OR NEW (Circle one)		<u>4 3/4s, w/into</u>					

CONTRACTOR A-D

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 2250'

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 2250'

TOOL DEPTH

PRES. MAX 300# MINIMUM -

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT Fresh Water

OWNER Larsen Operating

CEMENT

AMOUNT ORDERED 280s x 60/40,
4% gel, 1/4" Flo-seal

COMMON	<u>168</u>	@ <u>13.50</u>	<u>2268.00</u>
POZMIX	<u>112</u>	@ <u>7.55</u>	<u>845.60</u>
GEL	<u>9</u>	@ <u>20.25</u>	<u>182.25</u>
CHLORIDE		@	
ASC		@	
<u>Flo Seal 70 #</u>		@ <u>2.45</u>	<u>171.50</u>
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HANDLING	<u>280</u>	@ <u>2.25</u>	<u>630.00</u>
MILEAGE	<u>10/56/mile</u>		<u>1204.00</u>
			TOTAL <u>5,301.35</u>

CONFIDENTIAL EQUIPMENT

PUMP TRUCK 2009

300 CEMENTER Tyler

HELPER Carl

BULK TRUCK C

344/170 DRIVER Jack

BULK TRUCK

DRIVER

REMARKS:

- 50s x @ 2250'
- 80s x @ 1530'
- 50s x @ 120'
- 50s x @ 280'
- 20s x @ 100'
- 30s x @ R.H.

SERVICE

DEPTH OF JOB	<u>2250'</u>		
PUMP TRUCK CHARGE			<u>990.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>43</u>	@ <u>7.00</u>	<u>301.00</u>
MANIFOLD		@	
			TOTAL <u>1291.00</u>

CHARGE TO: Larsen Operating

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
<u>Rotary Plug</u>	@	
	@	
	@	

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

Thank you.

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X Doug Roberts

SIGNATURE X Doug Roberts

Robert C. Lewellyn

Consulting Petroleum Geologist

P. O. Box 375
Kechi, KS 67067-0609
Office 316-744-2567
Cell 316-518-0495
Fax 209-396-2988
boblewellyn@yahoo.com

GEOLOGICAL REPORT

Larson Engineering, Inc.
Neeley No. 1-8
747' FSL & 1099 FEL Sec. 8-19S-30W
Lane County, Kansas

CONTRACTOR: H D Drilling, LLC
SPUDED: January 12, 2008
DRILLING COMPLETED: January 23, 2008
SURFACE CASING: 8 5/8" @ 251 KBM/175 sx,
ELECTRIC LOGS: Log-Tech DIL CNL/CDL MEL
ELEVATIONS: 2904 KB 2899 GL
FORMATION TOPS (Electric Log):

Anhydrite	2201 (+ 703)
Base Anhydrite	2259 (+ 645)
Heebner Shale	3935 (-1031)
Lansing-Kansas City Group	3976 (-1072)
Muncie Creek Shale	4163 (-1259)
Stark Shale	4272 (-1368)
Hushpuckney shale	4309 (-1405)
Base Kansas City	4349 (-1445)
Altamont	4392 (-1488)
Pawnee	4473 (-1569)
Myrick Station	4495 (-1591)
Fort Scott	4517 (-1613)
Cherokee	4541 (-1637)
Mississippian	4600 (-1696)
Electric Log Total Depth	4666 (-1762)

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REC

Samples were examined microscopically from 3800 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:

3976-4010 (A Zone)

Limestone, buff to tan, dense to finely crystalline, some scattered oolitic, some cream chalky, zone is mostly tight with a rare trace of very poor intercrystalline porosity, no show of oil.

4017-4012 (B Zone)

Limestone, cream to buff, finely crystalline and chalky, slightly fossiliferous, scattered poor intercrystalline and interfossil porosity, no show of oil.

4038-4067 (C/D Zone)

Limestone, cream to buff, dense and chalky to finely crystalline, zone is mostly tight with trace of very poor intercrystalline porosity, no shows of oil. Some scattered light gray chert.

4069-4086 (E Zone)

Limestone, cream to buff, some tan, dense to finely crystalline, some chalky, slightly fossiliferous, poor intercrystalline porosity, trace of dead stain, no shows of live oil, no fluorescence, no cut.

4089-4094 (F Zone)

Limestone, buff to tan, dense to finely crystalline, scattered poor to fair intercrystalline porosity, partly oolitic with poor ooliticastic porosity, trace of dead stain, no shows of live oil, no stain, odor, fluorescence, or cut. Trace of gray chert.

4104-4117 (G Zone)

Limestone, buff to tan, finely crystalline and oolitic, fair to good ooliticastic porosity, no show of oil.

4178-4182 (H Zone)

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

Drill Stem Test No. 1 4157-4188
15-30-30-60; quarter-inch blow built to ¾ inch blow on first flow; quarter-inch blow, died in 22 minutes on second flow; recovered 30 feet of slightly water cut mud (10% water, 90% mud). ISIP 931# FSIP 926# IFP 14-24# FFP 26-39# IHP 2091# FHP 2082# BHT 117 degrees.

4218-4228 (I Zone)

Limestone, cream to buff, dense to finely crystalline and chalky, scattered poor intercrystalline porosity with considerable tight limestone, much chalky, one or two pieces with poor spotted stain, no odor, no free oil, no fluorescence, no cut, trace of dead stain.

4245-4257 (J Zone)

Limestone, buff, some gray, fine to medium crystalline and coarsely oolitic, fair to good oolitic porosity, no shows of oil.

4275-4309 (K Zone)

Limestone, cream to buff, dense to finely crystalline with much chalky, slightly fossiliferous, trace of scattered poor intercrystalline porosity, no show of oil.

4312-4316 (Middle Creek Zone)

Limestone, buff to tan, dense, tight, no show of oil.

4318-4330 (L Zone)

Limestone, cream to buff to tan, dense to finely crystalline, chalky, scattered poor vugular and intercrystalline porosity, trace of scattered dead stain, no show of live oil, some scattered calcite crystal overgrowth.

4349-4383 (Pleasanton Zone)

Limestone, buff to tan and brown, dense to sub-lithographic, some finely crystalline with scattered very poor intercrystalline porosity to mostly tight, no show of oil.

4417-4422 (Altamont Zone)

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Limestone, cream to buff, finely crystalline, slightly fossiliferous, slightly oolitic, poor to fair intercrystalline and interfossil porosity, poor to fair spotted stain, slight show of free oil, faint odor, poor fluorescence, fair cut, some dense lime with stain on fracture faces.

Drill Stem Test No. 2 4400-4424

15-30-30-60; blow off bottom in 11 minutes on initial flow, blow off bottom in 17 minutes on final flow. Recovered 150 feet of water cut mud (10% water, 90% mud), 330 feet of mud cut water (90% water, 10% mud), 30 feet of mud. ISIP 1064# FSIP 1056# IFP 20-137# FFP 140-247# IHP 2195# FHP 2189# BHT 134 degrees.

4473-4492 (Pawnee Zone)

Limestone, buff to tan, some mottled, dense to finely crystalline, scattered poor intercrystalline and vugular porosity, trace of poor spotted stain, very slight show of free oil, faint fleeting odor, poor fluorescence, poor cut.

4495-4512 (Myrick Station Zone)

Limestone, brown, dense, some sub-lithographic, scattered finely crystalline, zone is mostly tight with scattered very poor stain on fracture faces, no free oil, no odor, no fluorescence, no cut.

4517-4541 (Fort Scott Zone)

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

4574-4597 (Johnson Zone)

Limestone, buff to tan, dense to finely crystalline, trace of very poor intercrystalline porosity, scattered poor spotted stain, very slight show of free oil, faint, questionable odor, no fluorescence, poor cut, trace of tight oolitic limestone.

Drill Stem Test No. 3 4450-4590
Misrun, packer failed.

Drill Stem Test No. 4 4475-4590
15-30-30-60; blow built to 1 ½ inches on first flow; built to quarter-inch blow on second flow, died in 28 minutes. Recovered 60 feet of oil spotted mud. ISIP 770# FSIP 823# IFP 36-37# FFP 41-43# IHP 2253# FHP 2246# BHT 125 degrees.

4600-4666 (Mississippian Zone)

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Limestone, cream to buff, dense and chalky to finely crystalline, friable, flaky and brittle, very slightly glauconitic, traces of very poor scattered intercrystalline porosity to tight limestone throughout section; top two or three feet contains slight stain and very slight show of free oil with questionable fleeting odor, no fluorescence, no cut and considerable dead stain in tight limestone. Mississippian warrants no further evaluation.

4666

Rotary Total Depth

Conclusions and Recommendations:

Sample examination, drill stem testing, and electric logging revealed no zones of possible commercial production in the No. 1-8 Neeley. It was therefore recommended, and permission granted for the No. 1-8 Neeley to be plugged and abandoned.

Respectfully submitted,

Robert C. Lewellyn
Petroleum Geologist

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