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KANSAS CORPORATION COMMISSION ORIGINAL
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY – DESCRIPTION OF WELL & LEASE

6/22/11

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: BOB LEWELLYN
Purchaser:

Designate Type of Completion:
X New Well ___ Re-Entry ___ Workover
X Oil ___ SWD ___ SIOW
___ Gas ___ ENHR ___ SIGW
___ CM (Coal Bed Methane) ___ Temp. Abd
X Dry ___ Other ___
(Core, WSW, Expl., Cathodic, etc.)

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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.

2/23/2009 (Spud Date or Recompletion Date) | 3/6/2009 (Date Reached TD) | PXA 3/06/09 (Completion Date or Recompletion Date)

API No. 15 - 101-22155-00-00
Spot Description:
E2 - W2 - E2 - NE Sec. 24 Twp. 18 S. R. 27 ☐ East ☒ West
1320 feet from NORTH Line of Section
820 feet from EAST Line of Section
Footages Calculated from Nearest Outside Section Corner:
☒ NE ☐ NW ☐ SE ☐ SW
County: LANE
Lease Name: MCLEISH B Well #: 1-24
Field Name: WILDCAT
Producing Formation:
Elevation: Ground: 2658' Kelly Bushing: 2663'
Total Depth: 4706' Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 249' 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 PANJ 8/10/09
(Data must be collected from the Reserve Pit)
Chloride content: 23500 ppm Fluid volume: 1000 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 La
Title: SECRETARY/TREASURER Date: 6/22/2009

Subscribed and sworn to before me this 22nd day of JUNE, 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
Y Letter of Confidentiality Received
If Denied, Yes ☐ Date:
Wireline Log Received
Geologist Report Received (8X11 log)
UIC Distribution

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Side Two

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Operator Name: LARSON ENGINEERING, INC. Lease Name: MCLEISH B JUN 22 2009 Well #: 1-24

Sec. 24 Twp. 18 S. R. 27 ☐ East ☒ West County: LANE KCC

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 (Attach Additional Sheets)	☒ Yes	☐ No
Samples Sent to Geological Survey	☒ Yes	☐ No
Cores Taken	☐ Yes	☒ No
Electric Log Run (Submit Copy)	☒ Yes	☐ No

List All E. Logs Run: DUAL COMP POROSITY
DUAL INDUCTION
MICRORESISTIVITY

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
ANHYDRITE	2038	+625
BASE ANHYDRITE	2066	+597
HEEBNER SHALE	3973	-1310
LANSING-KC	4010	-1347
STARK SHALE	4270	-1607
BASE KANSAS CITY	4344	-1681
ALTAMONT	4412	-1749
PAWNEE	4480	-1817
FORT SCOTT	4528	-1865
CHEROKEE	4550	-1887
MISSISSIPPIAN	4633	-1970

CASING RECORD ☐ New ☒ 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#	249'	CLASS A	175	2% GEL, 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
____ Perforate					
____ Protect Casing					
____ Plug Back TD					
____ 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)	Depth

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TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

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

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
If vented, submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☒ Other (Specify) D & A

PRODUCTION INTERVAL:

Mail to: KCC – Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

ALLIED CEMENTING CO., LLC.

33292

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

SERVICE POINT: Ness City

JUN 22 2009

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DATE	SEC	TWP	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
2-23-09	24	18s	24W	12:00 pm	3:00 pm	6:30pm	7:00pm

LEASE Wiebe Blk	WELL # 1-24	LOCATION Ness City, W to Ness/Lane Co. Ln, 1, N, W into	COUNTY Lane	STATE KS

OLD OR NEW (Circle one)

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JUL 13 2009
KCC WICHITA

CONTRACTOR H-D
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 252'
CASING SIZE 8⅝ DEPTH 252'
TUBING SIZE DEPTH
DRILL PIPE - DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 15 ft
CEMENT LEFT IN CSG. 15 ft
PERFS.
DISPLACEMENT Fresh Water

OWNER Larson

EQUIPMENT

PUMP TRUCK # 366 CEMENTER Tyler
HELPER Carl
BULK TRUCK #344/112 DRIVER Jack
BULK TRUCK # DRIVER

CEMENT

AMOUNT ORDERED 175 sx Common, 3%cc, 2% gel

COMMON	175	@ 13.65	2,388.75
POZMIX		@	
GEL	3	@ 20.40	61.20
CHLORIDE	6	@ 57.15	342.90
ASC		@	
HANDLING	184	@ 2.25	414.00
MILEAGE	19/184/.10		349.60
		TOTAL	3556.45

REMARKS:

Pipe on bottom, break circulation, mix 175 sx common, 3%cc 2% gel, displace with 14¾ bbls Fresh Water, close-in, Rig down. Cement did circulate.

SERVICE

DEPTH OF JOB	252'		
PUMP TRUCK CHARGE			999.00
EXTRA FOOTAGE		@	
MILEAGE	19	@ 7.00	133.00
MANIFOLD		@	
		TOTAL	1132.00

CHARGE TO: Larson
STREET
CITY STATE ZIP

Thank you.

PLUG & FLOAT EQUIPMENT

TOTAL

SALES TAX (If Any)
TOTAL CHARGES [redacted]
DISCOUNT 20% IF PAID IN 30 DAYS

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 Robert

SIGNATURE X Doug Roberts

Thanks ☺

ALLIED CEMENTING CO., LLC. 33299

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

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SERVICE POINT: Ness City

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
3-6-09	24	19	27	3:30 am	6:00 am	10:00 am	10:30 am

LEASE	WELL #	LOCATION	COUNTY	STATE
McLeish "B"	1-24	Ness City W to Ness/Lane Co Ln, 1N, W/side	Lane	KS

OLD OR NEW (Circle one)

CONTRACTOR H-O
TYPE OF JOB Rotary Plug
HOLE SIZE 7 7/8 T.D. 2070'
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2' DEPTH 2070'
TOOL DEPTH
PRES. MAX 130# MINIMUM —
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT Fresh Water

OWNER Larson

CEMENT
AMOUNT ORDERED 250sx 60/40 4% gel #1/4 Floseal

EQUIPMENT

PUMP TRUCK CEMENTER Tyler
181 HELPER Carl
BULK TRUCK
344/170 DRIVER Joe
BULK TRUCK
DRIVER

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COMMON	150sx	@ 13.65	2047.50
POZMIX	100	@ 7.60	760.00
GEL	9	@ 20.40	183.60
CHLORIDE		@	
ASC		@	
Floseal	63 lb	@ 2.45	154.35
HANDLING	261	@ 2.25	587.25
MILEAGE	19 mi/261/.10		495.90
		TOTAL	4,228.60

REMARKS:

50sx @ 2070'
80sx @ 1230'
40sx @ 630'
40sx @ 270'
20sx @ 60'
20sx @ R.H.

SERVICE

DEPTH OF JOB 2070'
PUMP TRUCK CHARGE 1170.00
EXTRA FOOTAGE @
MILEAGE 19 @ 7.00 133.00
MANIFOLD @
@
@
TOTAL 1303.00

CHARGE TO: Larson
STREET
CITY STATE ZIP

Thank YOU!

PLUG & FLOAT EQUIPMENT

@
@
@
@
@
TOTAL

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.

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

PRINTED NAME X Doug Roberts
SIGNATURE X Doug Robert

THANKS!

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JUN 22 2009

KCC

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.
McLeish No. 1-24
1320' FNL & 820 FEL, Sec. 24-18S-27W
Lane County, Kansas

6/25/09

CONTRACTOR:	H D Drilling, LLC
SPUDDED:	February 23, 2009
DRILLING COMPLETED:	March 06, 2009
SURFACE CASING:	8 5/8" @ 249 KBM/175 sx,
ELECTRIC LOGS:	Log-Tech DIL CNL/CDL MEL
ELEVATIONS:	2663 KB 2658 GL

FORMATION TOPS (Electric Log):

Anhydrite	2038 (+ 625)
Base Anhydrite	2066 (+ 597)
Heebner Shale	3973 (-1310)
Lansing-Kansas City Group	4010 (-1347)
Muncie Creek Shale	4174 (-1511)
Stark Shale	4270 (-1607)
Hushpuckney shale	4306 (-1643)
Base Kansas City	4344 (-1681)
Altamont	4412 (-1749)
Pawnee	4480 (-1817)
Fort Scott	4528 (-1865)
Cherokee	4550 (-1887)
Detrital Zone	4617 (-1954)
Mississippian	4633 (-1970)
Electric Log Total Depth	4706 (-2043)

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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. Depths on drill stem tests have been moved uphole four feet to correlate with electric log measurements.

Lansing-Kansas City Zones:

4021-4027 (A Zone)

Limestone, cream to buff, dense and chalky to finely crystalline, slightly fossiliferous, scattered poor intercrystalline porosity, no show of oil, some light gray sub-translucent chert.

4060-4063 (B Zone)

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

4072-4077 (C/D Zone)

Limestone, buff to tan, finely crystalline and chalky, trace of poor intercrystalline porosity, no show of oil, lower portion of zone is mostly tight, some scattered light gray chert.

4094-4107 (E Zone)

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

4109-4119 (F Zone)

Limestone, cream to buff, finely crystalline and partly chalky, partly oolitic and fossiliferous, trace of very poor intercrystalline, interoolitic, and interfossil porosity with scattered traces of dead stain, no shows of live oil.

4124-4131 (G Zone)

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

4184-4202 (H Zone)

Limestone, tan to brown to mottled, dense to finely crystalline, zone is mostly tight with a trace of poor intercrystalline porosity, zone becomes dense in lower part, no show of oil.

4214-4222 (I Zone)

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

4254-4258 (J Zone)

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

4280-4306 (K Zone)

Limestone, buff to tan, some brown, some mottled, dense to finely crystalline with some cream chalky, some slightly fossiliferous and oolitic, zone is mostly tight with no shows of oil.

4314-4334 (L Zone)

Limestone, cream to buff, some tan, dense to finely crystalline and chalky, scattered very poor intercrystalline porosity, no shows of oil.

4344-4380 (Pleasanton Zone)

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

4388-4408 (Marmaton Zone)

Limestone, buff to tan to brown, dense to finely crystalline, zone is mostly tight with rare trace of very poor spotted stain, no free oil, no odor, no fluorescence, no cut. Zone warrants no further evaluation.

4446-4459 (Altamont Zone)

Limestone, cream to buff, finely crystalline and fossiliferous, finely oolitic in part, poor to fair intercrystalline porosity, some interoolitic porosity, scattered poor spotted stain, very slight show of free oil, faint odor, poor fluorescence, poor to fair cut.

Drill Stem Test No. 1 4438-4468
15-30-30-60; half-inch blow died in 10 minutes on first flow; blow did not return on second flow; recovered 15 feet of mud. ISIP 50# FSIP 50# IFP 40-40# FFP 41-40# IHP 2240# FHP 2200# BHT 113 degrees.

4480-4523 (Pawnee Zone)

The Pawnee section consisted of limestone, tan to brown, dense, some cream chalky, trace of tan, cherty limestone. The entire section was tight with no shows of oil.

4528-4550 (Fort Scott Zone)

The upper Fort Scott section consisted of limestone, tan to brown, finely crystalline and fossiliferous, partly oolitic, poor intercrystalline and interoolitic porosity, scattered poor spotted stain, slight show of free oil, faint odor, poor fluorescence, fair cut.

The lower Fort Scott section consisted of limestone, buff to tan to brown, finely crystalline and partly oolitic, some dense-oolitic, poor intercrystalline and interoolitic porosity, poor spotted stain, very slight show of free oil, faint odor, no fluorescence, poor cut.

Drill Stem Test No. 2 4502-4561
15-30-15-30; quarter-inch blow died in eight minutes on first flow; blow did not return on second flow; recovered five feet of mud. ISIP 44# FSIP 36# IFP 25-25# FFP 26-26# IHP 2283# FHP 2242# BHT 107 degrees.

4577-4602 (Johnson Zone)

Limestone, tan to brown, dense to finely crystalline, trace of oolitic, poor to fair intercrystalline porosity, trace of poor vugular porosity, fair spotted stain, fair show of free oil, faint odor, poor fluorescence, fair cut.

4608-4617 (Cherokee Sand Zone)

Sand, shaly, calcareous, very fine grained, well cemented and tight, scattered poor spotted stain, very slight show of free oil, no odor, no fluorescence, no cut.

4617-4633 (Detrital Zone)

Chert, white to light gray, tripolitic, fractured, fair pinpoint and small vug porosity, fair spotted stain, fair to good stain on irregular fracture faces, good show of free oil, good odor, fair fluorescence, good cut, trace of fine grained, tight sand as in the section above with good spotted stain and and show of free oil.

Drill Stem Test No. 3 4550-4626
15-30-15-30; quarter-inch blow died in 11 minutes of first flow; did not return on second flow; recovered 10 feet of mud. ISIP 290# FSIP 104# IFP 28-30# FFP 29-32# IHP 2363# FHP 2261# BHT 111 degrees.

4633-4637 (Mississippian Zone)

Dolomite, tan, medium crystalline, some coarsely crystalline, fair intercrystalline and vugular porosity, good spotted stain, trace of saturated stain, good show of free oil, good odor, fair fluorescence, fair cut.

Drill Stem Test No. 4 4603-4639
15-30-30-60; quarter-inch blow died in 13 minutes of first flow; did not return on second flow; recovered 15 feet of mud with oil spots. ISIP 1022# FSIP 1020# IFP 30-34# FFP 38-43# IHP 2407# FHP 2314# BHT 112 degrees.

4639-4662

Dolomite, buff, dense to finely crystalline, section is tight with no shows of oil.

4662-4665

Dolomite, tan, medium crystalline, some coarsely crystalline, fair vugular and intercrystalline porosity, no show of oil.

4665-4694

Dolomite, buff to tan, fine to medium crystalline, section is mostly tight, no show of oil.

4694-4710

Dolomite, buff to tan, fine to medium crystalline, fair vugular and intercrystalline porosity, no show of oil.

4710 Rotary Total Depth

Conclusions and recommendations:

Sample examination, drill stem testing, and electric logging revealed no zones of possible commercial production of oil or gas in the McLeish No. 1-24. The decision was therefore made to plug and abandon the well.

Respectfully submitted,

Robert C. Lewellyn
Petroleum Gelogist

RCL:me

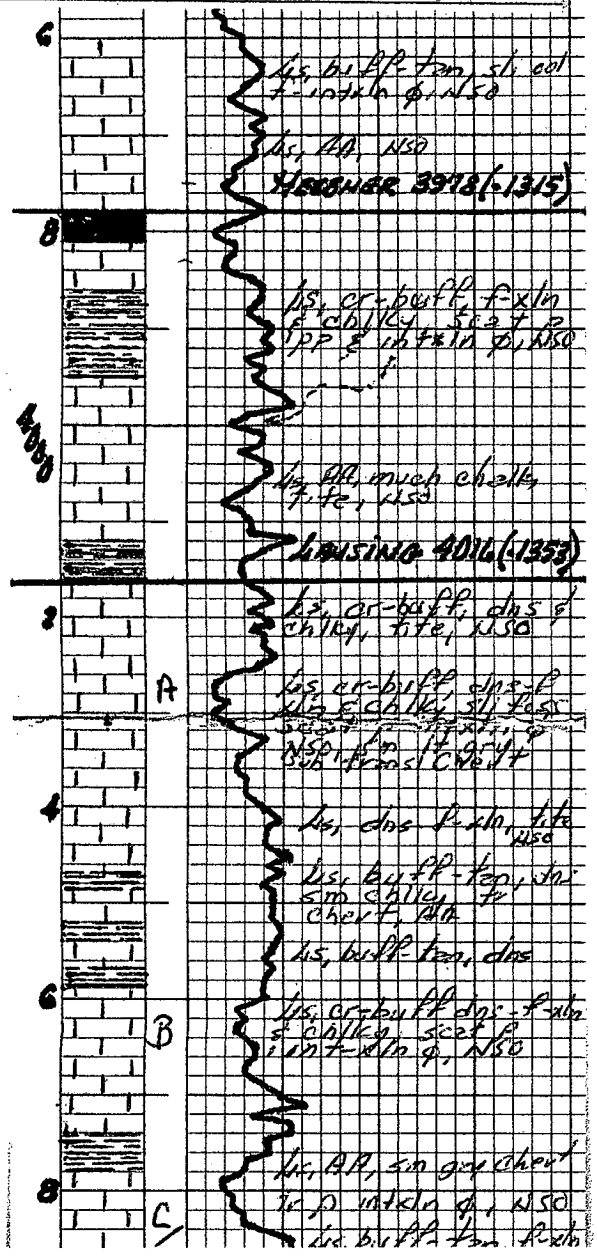
STATE
KANSAS
COUNTY
LANE
BLOCK
SEC.
24
T 18S R 27W
ALTITUDE
2663 KB
PRODUCTION
D & A

COMPANY LARSON ENGINEERING, LLC
FARM McLEISH WELL NO. 1-24
SURVEY 1320' FNL & 820' FEL
TOTAL DEPTH 4710
CONTRACTOR H D DRILLING LLC
COMMENCED 02-23-09
COMPLETED 03-06-09
REMARKS
Robert C. Brownell Jr. Geologist

CASING RECORD
8 5/8" @ 249' KBM / 175 sx

SHOT QUARTS BETWEEN

TIME RATE SCALE: 1/10" = MINUTES
Kraftbilt 450-A 1-800-331-7290 WWW.KRAFTBILT.COM



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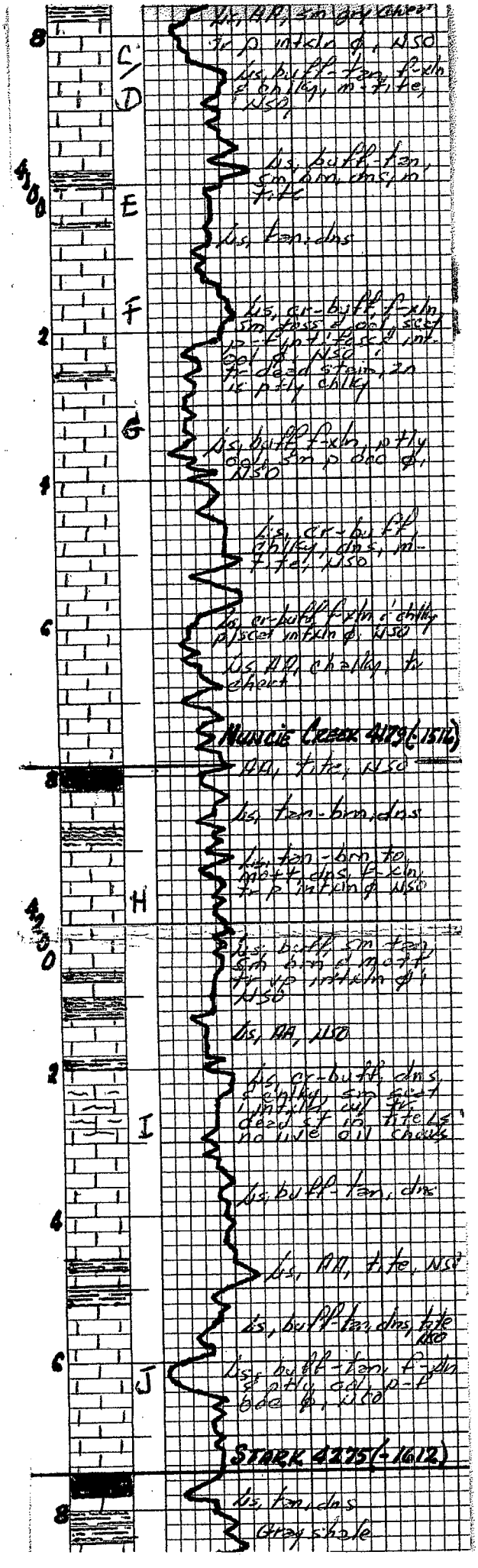

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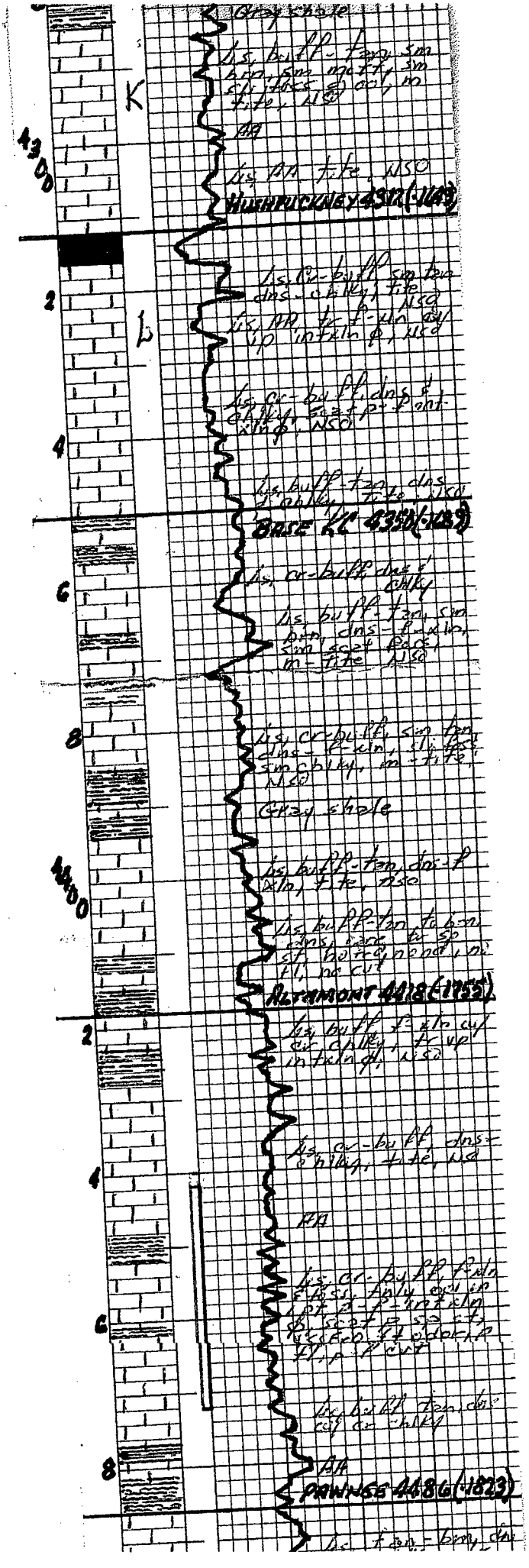

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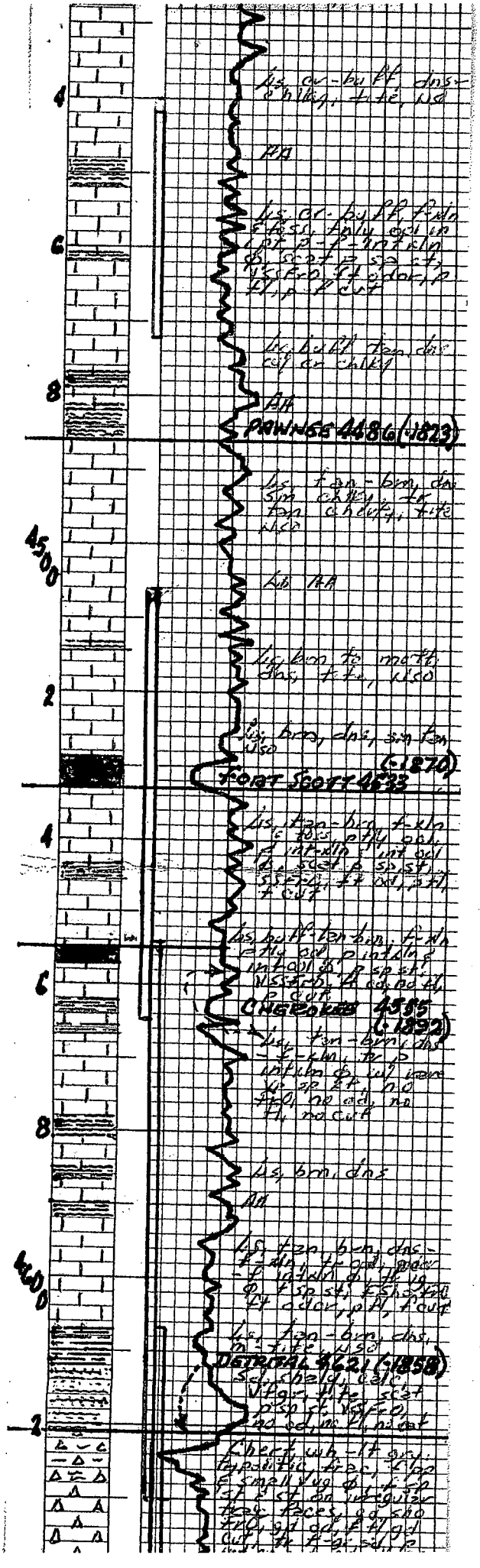

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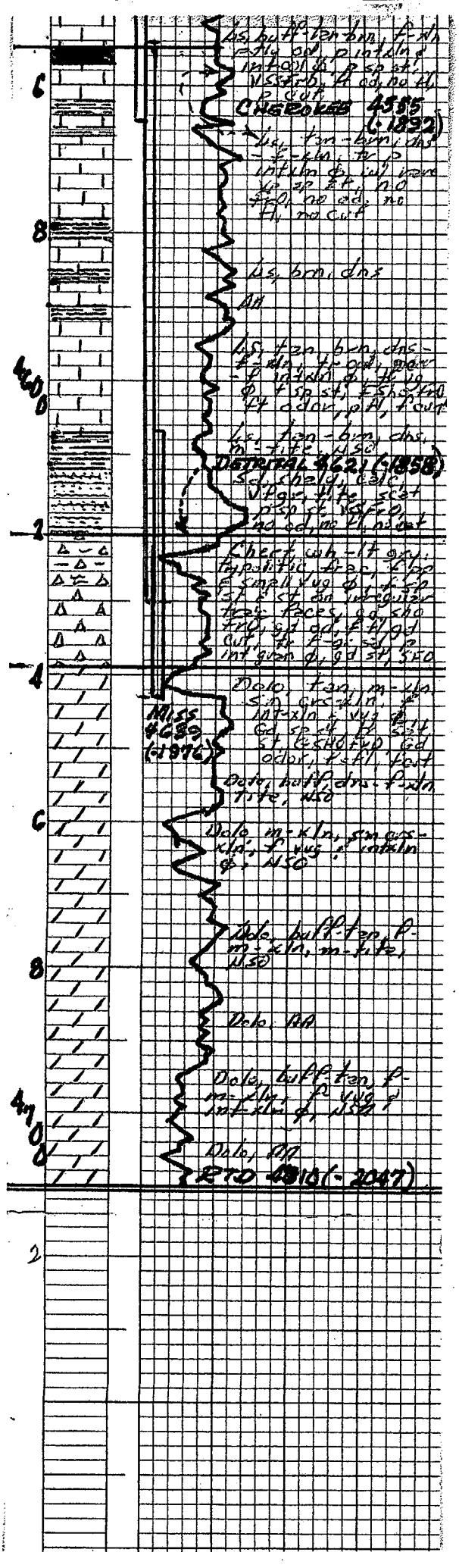

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