

Operator Name: Ritchie Exploration, Inc. Lease Name: Brown 3AB Well #: 1
 Sec. 3 Twp. 8 S. R. 22 East West County: Ford

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction Log Compensated Density/Neutron Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum <p style="text-align: center;">SEE ATTACHED</p>
---	---

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
Conductor	32	20	64	50	eight-sack grout	5.5 yards	
Surface	12-1/4	8-5/8	23	463	Class A	355	3% cc, 2% gel
Production	7-7/8	4-1/2	10.5	5144	ASC	200	10% salt, 2% gel & 5#/sx gilsonite

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
6	4982' - 4985' (3/23/11)		
6	4988' - 4990' (3/23/11)		
6	4996' - 5005' (3/23/11)		

CONFIDENTIAL

MAY 24 2013

KCC

RECEIVED

MAY 25 2011

KCC WICHITA

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>5005'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>4/6/11</u>		Producing Method: <input checked="" 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
		861	

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	--	--



#1 Brown 3AB

730' FNL & 700' FWL

70' S & 40' E of NW NW Section 3-28S-22W

Ford County, Kansas

API# 15-057-20715-0000

Elevation: GL: 2353', KB: 2365'

<u>Sample Tops</u>			<u>Ref.</u>	<u>Well</u>
Anhydrite	1366'	+999	-13	
B/Anhydrite	1410'	+955	-11	
Chase Herrington	2577'	-212	-23	
Stotler	3493'	-1128	-21	
Heebner	4143'	-1778	-8	
Lansing	4288'	-1923	-16	
Muncie Shale	4470'	-2105	-18	
Stark Shale	4603'	-2238	-13	
Marmaton	4745'	-2380	-7	
Pawnee	4815'	-2450	-10	
Cherokee Shale	4862'	-2497	-13	
Atoka Shale	4950'	-2585	-13	
Mississippian	4964'	-2599	-10	
Osage	4991'	-2626	-17	
RTD	5151'	-2786		

CONFIDENTIAL

MAY 24 2013

KCC

RECEIVED

MAY 25 2011

KCC WICHITA

ALLIED CEMENTING CO., LLC. 040649

F

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

SERVICE POINT:
Redstone

DATE <u>2-19-11</u>	SEC <u>3</u>	TWP <u>28N</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30 am</u>	JOB FINISH <u>7:30 am</u>
LEASE <u>Brown</u>	WELL # <u>3 AB-1</u>	LOCATION <u>Ford, Ks. 2 E of Post Office</u>			COUNTY <u>Ford</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>W into before house</u>			

CONTRACTOR Duke R13 #1 OWNER Ritchie Exploration

TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 467'
 CEMENT AMOUNT ORDERED 335 sx class A + 3% cc
 CASING SIZE 8 5/8 DEPTH 467'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 36'
 CEMENT LEFT IN CSG. 36'
 PERFS.
 DISPLACEMENT 27 1/2 bbls H₂O

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Mark Thomsch</u>		
# <u>471/365</u>	HELPER <u>Jason Thomsch</u>		
BULK TRUCK			
# <u>364</u>	DRIVER <u>Raymond R</u>		
BULK TRUCK			
#	DRIVER		

COMMON A	<u>335 sx</u>	@ <u>15 45</u>	<u>5175 75</u>
POZMIX		@	
GEL	<u>7 sx</u>	@ <u>20 00</u>	<u>140 00</u>
CHLORIDE	<u>12 sx</u>	@ <u>58 00</u>	<u>696 00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>354</u>	@ <u>2 00</u>	<u>708 00</u>
MILEAGE	<u>354/10/50</u>		<u>1770 00</u>
TOTAL			<u>8639 75</u>

REMARKS:
Grk circulation with Rig
pump 3 bbls H₂O ahead
MTR 335 sx cement shut down, Release plug
pump 27 1/2 bbls disp. ~~335 sx~~ Bore plug 400 ps (class A)
cement did circulate shut in.

CHARGE TO: Ritchie Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>467'</u>		
PUMP TRUCK CHARGE	<u>1015 00</u>		
EXTRA FOOTAGE	<u>167</u>	@ <u>83</u>	<u>13851 00</u>
MILEAGE	<u>30</u>	@ <u>7 00</u>	<u>210 00</u>
MANIFOLD		@	
		@	
		@	
TOTAL			<u>1509 00</u>

PLUG & FLOAT EQUIPMENT

<u>8 5/8"</u>	<u>Rubber Plug - 1</u>		<u>113 00</u>
	<u>Bore Plug - 1</u>	@	<u>68 00</u>
		@	
		@	
		@	
		@	
TOTAL			<u>181 00</u>

CONFIDENTIAL
 MAY 24 2013

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 Mike Godfrey
 SIGNATURE Mike Godfrey

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

RECEIVED
 MAY 25 2011
 KCC WICHITA

ALLIED CEMENTING CO., LLC. 040038

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

(BROWN 3AB'1)

SERVICE POINT:
Medicine Lodge, Ks

DATE <i>3-4-2011</i>	SEC. <i>3</i>	TWP. <i>28N</i>	RANGE <i>22W</i>	CALLED OUT	ON LOCATION <i>9:30 AM</i>	JOB START <i>12:30 PM</i>	JOB FINISH <i>1:30 PM</i>
LEASE <i>Brown</i>	WELL# <i>3 AG</i>	LOCATION <i>Fora, Ks 2 egs + 9 + pps +</i>			COUNTY <i>Fora</i>	STATE <i>Ks</i>	
OLD OR <u>(NEW)</u> (Circle one)		<i>office, north into bore hole</i>					

CONTRACTOR *Plains H 2 Plains*

TYPE OF JOB *Port Celler*

HOLE SIZE *7 1/8* T.D.

CASING SIZE *4 1/2* DEPTH

TUBING SIZE *2 3/8* DEPTH *1282'*

DRILL PIPE DEPTH

TOOL *Port Celler* DEPTH *1282'*

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT *4 1/2 bbls off fresh water*

EQUIPMENT

PUMP TRUCK CEMENTER *Darin F*

414-302 HELPER *Ron G*

BULK TRUCK

367-290 DRIVER *Bobby W*

BULK TRUCK

DRIVER

REMARKS:

*Running tubing in to 1282', test hole to 800ps.
open port celler, take injection rate 2 1/2 bpm
at 100 psi, mix 345 cu of cement with 300 #
Hulls. Displace 4 1/2 bbls, close port celler
test to 1000 psi, run 3 joints tubing in
Reverse out with 10 bbls*

OWNER *Ritchie Exploration*

CEMENT

AMOUNT ORDERED *345 60' 40' 6% 06.01*

YKA Flosses

300 FF Hulls

COMMON *A 207 @ 15 43 3198 15*

POZMIX *138 @ 8 00 1104 00*

GEL *18 5x @ 20 20 374 40*

CHLORIDE @

ASC @

Floceal 86.25 # @ 2.50 215.62

Hulls 6 5x @ 31.85 191.10

HANDLING *372 @ 2.40 892 80*

MILEAGE *372/10/50 1860 00*

TOTAL *7836 02*

SERVICE

DEPTH OF JOB *1282*

PUMP TRUCK CHARGE *1018 00*

EXTRA FOOTAGE *982 @ .85 834.70*

MILEAGE *50 @ 7 00 350 00*

MANIFOLD *596000 @ 100 00*

TOTAL *2302 70*

CHARGE TO: *Ritchie Exploration*

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

none

CONFIDENTIAL

MAY 24 2011

KCC

TOTAL

RECEIVED
MAY 25 2011
KCC WICHITA

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 *Bernie E Dills*

SIGNATURE x *Bernie Dills*

Thank you!!!

SALES TAX (If Any)

TOTAL CHARGES *[scribble]*

DISCOUNT *[scribble]* IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 040659

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

(BROWN 3A B'1)

SERVICE POINT:
McLodges

DATE <i>3-1-11</i>	SEC <i>3</i>	TWP <i>28 N</i>	RANGE <i>22 W</i>	CALLED OUT	ON LOCATION	JOB START <i>7:30 am</i>	JOB FINISH <i>8:30 pm</i>
LEASE <i>Brown</i>	WELL# <i>3-A</i>	LOCATION <i>Ford KS, 2 E of Post Office</i>			COUNTY <i>Ford</i>	STATE <i>KS</i>	
OLD OR <u>NEW</u> (Circle one)		<i>Wink before house</i>					

CONTRACTOR *Mike Ritz #1*
 TYPE OF JOB *Production*
 HOLE SIZE *7 7/8* T.D. *5153*
 CASING SIZE *4 1/2* DEPTH *5144'*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX *1300 psi* MINIMUM
 MEAS. LINE SHOE JOINT *26'*
 CEMENT LEFT IN CSG. *26'*
 PERFS.
 DISPLACEMENT *82 blks H₂O*

OWNER *Ritchie Exploration*
 CEMENT
 AMOUNT ORDERED *250 BX ASC + 5* Kolscof + .5% FT-160*
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC *245 BX* @ *18.60* *4557.00*
Kolscof 1225 # @ *.89* *1090.25*
FT-160 115 # @ *13.30* *1529.50*
ASF 500 GAL @ *1.27* *635.00*
 HANDLING *318* @ *2.25* *715.50*
 MILEAGE *15900 / .10* *1749.00*
 TOTAL *10276.25*

EQUIPMENT
 PUMP TRUCK CEMENTER *Matt Thimesch*
 # *471/265* HELPER *Jason Thimesch*
 BULK TRUCK
 # *363/290* DRIVER *Regmond R*
 BULK TRUCK
 # DRIVER

REMARKS:
Back circulation with Reg. pump ball through pump 3 blks H₂O, pump 500 gal ASF, pump 3 blks H₂O mix 20 BX for mouse hole, mix 30 BX for Kothole mix 200 BX cement, shut down, wash pump & lines Release plug, disp 82 blks H₂O bump plug 800 psi to 1300 psi

SERVICE
 DEPTH OF JOB *5144*
 PUMP TRUCK CHARGE *2295.00*
 EXTRA FOOTAGE @
 MILEAGE *50* @ *7.00* *350.00*
 MANIFOLD @
Light Vehicle Mileage @ *4.00* *200.00*
Head Rental @ *2.00* *200.00*
 TOTAL *3075.00*

CHARGE TO: *Ritchie Exploration*
 STREET
 CITY STATE ZIP

4 1/2 PLUG & FLOAT EQUIPMENT
 1- Guide shoe 110.00
 1- AFU insert @ 101.40
 1- Port plug @ 1673.00
 1- T-stub @ 58.00 406.00
 1- Rubber plug @ 62.00
 2- baskets @ 210.00 420.00
 TOTAL *2772.40*

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 *Gary W Rowe*
 SIGNATURE *Gary W Rowe*

SALES TAX (If Any)
 TOTAL CHARGES ~~10276.25~~
 DISCOUNT IF PAID IN 30 DAYS

CONFIDENTIAL
 MAY 24 2013

KCC

RECEIVED
 MAY 25 2011
 KCC WICHITA

Handwritten mark