

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

OPERATOR: License # 34197
Name: Arbuckle Energy Inc.
Address 1: 2914 Aloma Street
Address 2: _____
City: Wichita State: ks Zip: 67211 + _____
Contact Person: Terry Bayliss
Phone: (316) 361-0537
CONTRACTOR: License # 32701
Name: C&B DRILLING INC.
Wellsite Geologist: William Stout
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. _____ Conv. to SWD _____
_____ Plug Back: _____ Plug Back Total Depth _____
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
6/1/2009 6/10/2009 6/16/2009
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 1511521410-0000
Spot Description: _____
nw sw se _____ Sec. 33 Twp. 17 S. R. 4 ☒ East ☐ West
1320 990 Feet from ☐ North / ☒ South Line of Section
2310 Feet from ☒ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☐ SW
County: Marion
Lease Name: Shields Well #: 1
Field Name: Lost Springs

Producing Formation: Mississippi
Elevation: Ground: 1472 Kelly Bushing: 1481
Total Depth: 2500 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 212 Feet
Multiple Stage 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 Alt I NR 1-26-10
(Data must be collected from the Reserve Pit)
Chloride content: 700 ppm Fluid volume: 800 bbls
Dewatering method used: _____
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 form 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 of 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: _____
Title: President Date: November 30, 2009
Subscribed and sworn to before me this 30 day of NOVEMBER,
20 09
Notary Public: _____
Date Commission Expires: _____

A Notary Public for the
Province of British Columbia
William R. Rutledge
Notary Public

PERMANENT
COMMISSION

107 - 5070 Uplands Dr.
Nanaimo, BC V9T 6N1
(250) 756-4900

KCC Office Use ONLY	
<input checked="" type="checkbox"/>	Letter of Confidentiality Received
<input checked="" type="checkbox"/>	If Denied, Yes <input checked="" type="checkbox"/> Date: <u>1/15/10</u>
<input checked="" type="checkbox"/>	Wireline Log Received
<input checked="" type="checkbox"/>	Geologist Report Received
<input type="checkbox"/>	UIC Distribution

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DEC 04 2009

KCC WICHITA

Operator Name: Arbuckle Energy Inc. Lease Name: Shields Well #: 1
 Sec. 33 Twp. 17 S. R. 4 ☒ East ☐ West County: Marion

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 copy of all Electric Wireline Logs surveyed. Attach final geological 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:

Neutron

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

Name Top Datum
 Neutron 1472

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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	24	212	Class A	110	on Ticket
Production	7 7/8	5 1/2	15.5	2500	Thick Set	100	on Ticket

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 (Amount and Kind of Material Used)	Depth
2	2374-2379	300 Gallons Hydrochloric	2374

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TUBING RECORD:	Size: 2 3/8	Set At: 2364	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" 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:

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, Submit ACO-18.)

METHOD OF COMPLETION:

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

PRODUCTION INTERVAL:

Arbuckle Energy Inc.

2914 Aloma ST
Wichita, KS 67211
Phone: 316-361-0537
Fax: 866-265-5173

November 30, 2009

Kansas Corporation Commission
130 S. Market Room 2078
Wichita, Kansas 67202

Re: Arbuckle Energy Inc. API 1511521410

*POR: SHIELDS 1
NW SW SE / 33-175-4E*

Please be advised that we would like the information contained on the Well Completion Form submitted to remain confidential for one year.

*KC
12/02/09*

Trusting the above is in order,

Yours truly,


Terry Bayliss
President

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DEC 04 2009
KCC WICHITA

ENTERED

TICKET NUMBER 21195

LOCATION Eureka

FOREMAN Steve Mead

CONSOLIDATED
Well Services, LLC

Box 884, Eureka, KS 66720
7431-8210 or 300-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-5-09	1010	Shields #1	23	125	4E	Marion
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
ARBU Energy Inc			485	Alan		
MAILING ADDRESS			515	Chris		
2914 Alamo ST.			437	Jim		
CITY	STATE	ZIP CODE				
Wichita	Ks	67211				

JOB TYPE Logging HOLE SIZE 7 7/8 HOLE DEPTH 2500 CASING SIZE & WEIGHT 5 1/2 15.5
 CASING DEPT 2477 DRILL PIPE TUBING OTHER
 SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT In CASING 0
 DISPLACEMENT 59 bbls DISPLACEMENT PSI 500 MIX PSI Bump Plug 1000 RATE

REMARKS: City Meeting. Rig up to 5 1/2 casing. Break circulation with 15 bbls
 Fresh water. Mix 100 sks Thick sat Cement w/ 5# Kel Seal pack AT 13.8# Argal
 Washes Pump & Lines. Shut down. Release plug. Displace with 59 bbls
 Fresh water. Final Pumping Pressure 500#. Bump Plug AT 1000#. Wait 2 min
 Release pressure. Plug didn't hold. Pressure back up to 1000#. Shut well in.
 1000#. Job complete. Rig down

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Thank you

KCC WICHITA

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	870.00	870.00
5406	60	MILEAGE	3.45	207.00
1126A	100 sks	Thick sat Cement	16.00	1600.00
1110A	500#	Kel Seal 5# Per/sk	.39	195.00
5407A	5.5 tons	60 miles Ten mileage Bulk Truck	1.16	382.80
4130	3	5 1/2 Centralizers	44.00	132.00
4159	1	5 1/2 Float Shoe AFU	309.00	309.00
4456	1	5 1/2 Top Rubber Plug	58.00	58.00
5502C	5 bbls	80 bbls Vacuum Truck	94.00	470.00
1123	2000 gallons	City water	14.00 per 1000	42.00
Paid 4412.92				
			Subtotal	4265.80
			SALES TAX	147.18
			ESTIMATED TOTAL	4412.98

Rev 3737

AUTHORIZED BY

Albert R. Coym TITLE agent

DATE

209918



CONSOLIDATED
Oil Well Services, LLC



ENTERED

TICKET NUMBER 2166
LOCATION EUREKA
FOREMAN KEVIN McC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-1-09	1070	Shields #1	33	175	4E	MARION
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
ARBUCKLE Energy, Inc.			445	Justin		
MAILING ADDRESS			515	CHRIS		
2914 Aloma St.						
CITY	STATE	ZIP CODE				
Wichita	Ks	67211				

JOB TYPE SURFACE HOLE SIZE 12 1/4" HOLE DEPTH 222' KB CASING SIZE & WEIGHT 8 1/8" 13# New
CASING DEPTH 223' KB DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 15.2# SLURRY VOL 26 BBL WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
DISPLACEMENT 12.7 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: SAFETY Meeting: Rig up to 8 5/8 Casing. BREAK CIRCULATION w/ 10 BBL Fresh
WATER. Mixed 110 sks Class "A" Cement w/ 3% CACl2, 2% Gel, 1/4" Floccle, 15.2# @ 15.2#
/gal, yield 1.35. Displace w/ 12.7 BBL Fresh water. Shut casing in @ 0.15
Good Cement Returns to Surface = 6 BBL Slurry to Pit. Job Complete. g down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	680.00	680.00
5406	60	MILEAGE	3.45	207.00
11045	110 sks	Class "A" Cement	12.70	1397.00
1102	310 "	CACl2 3%	.71	220.10
1118A	210 "	Gel 2%	.16	33.60
1107	25 "	Floccle 1/4" /sk	1.92	49.25
5407	5.17 TONS	60 miles BULK TRUCK KCC WICHITA	1.16	359.83
		PAID IN FULL with Cashiers Check		
		*300265423		
		THANK YOU		
		6.3%		
		Sub Total		2946.78
		SALES TAX		107.10
		ESTIMATE TOTAL		3053.88

Raylin 3737

AUTHORIZATION Witnessed By Duke Coultter TITLE C & G DRlg. Toolpusher DATE _____

GEOLOGICAL REPORT

Arbuckle Energy Inc.

Shields #1

NW SW SE Section 33-T17S-R4E

Marion County, Kansas

COMMENCED: 06-01-09

STATUS: Oil

COMPLETED: 06-05-09

A.P.I. #: 15-115-21410

CONTRACTOR: C & G Drilling Company

OPERATOR LIC.: 34197

SIZE OF HOLE: 7 7/8"

FIELD: Lost Springs

SURFACE PIPE: 8 5/8"

ELEVATION: 1481 K.B.

CEMENTED WITH: N/A

LOGS: PIT CNT/LDT

LOGGING STRING: 5 1/2"

MUD SYSTEM: Chemical

CEMENTED WITH: N/A

OTHER:

R.T.D.: 2500'

William M. Stout
Geologist

FORMATION TOPS

1472 G.L. 1481 K.B.

	Sample	Log
Base Kansas City	2184 -703	2183 -702
Mississippi Chert	2370 -889	2370 -889
Mississippi Lime	2451 -970	2450 -969
Total Depth	2500 -1019	2500 -1019

SAMPLE DESCRIPTIONS

Mississippi Chert 2370' (-889)

2370' - 2402'

Chert - white, amber, opaque to translucent, some weathered, good odor, scattered brown stain, good show free oil with gas bubbles, some bleeding oil and gas, scattered fluorescence, vugular and pin point porosity.

2410' - 2418'

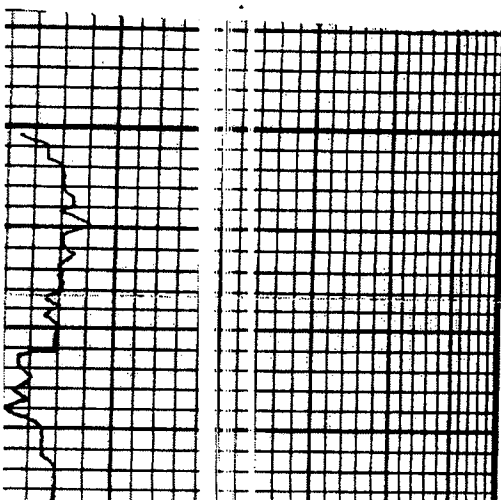
Dolomite - light brown, fine crystalline, sucrosic, fair odor, good show free oil with gas bubbles, fair fluorescence, intercrystalline porosity.

2434' - 2443'

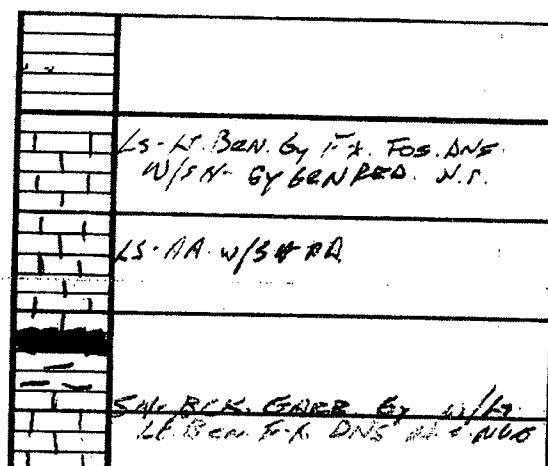
Dolomite - light brown, fine crystalline, sucrosic, faint odor, light scattered stain, show free oil with few gas bubbles, scattered fluorescence, intercrystalline porosity.

CONCLUSIONS

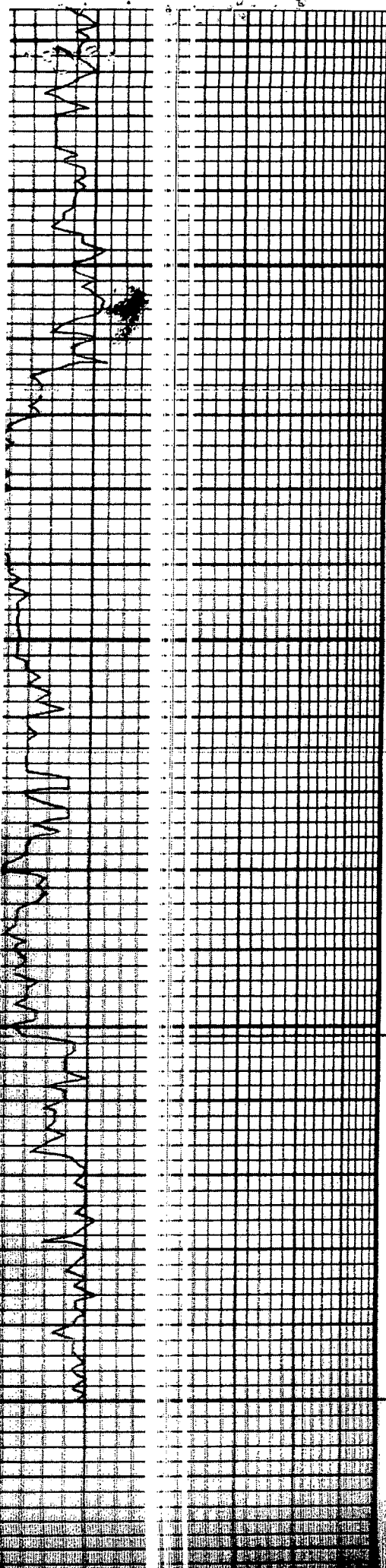
The decision to run casing was made to further evaluate the shows in the Mississippi through perforations.



2100



G.L. 1472
KB 1481



50

2400

50

2500

LS-LT. BRN. F-X. FOS. DNE.
W/SA-AR.

LS-ARN. GY F-X DNT. NS. NUP
W/SA-AR.

LS-LT. GY GY F-X DNE. NS. W/
SA GY. DKG. GRN (2. RR)

LS-GY BRN. F-X DNE. SUC. CRY
NS. NUP W/SA DKG. GRN.

LS-ISA-AR.

SA-GY W/LS. AA S/LAL. AMB.
FRESH FRESH.

CAE. AMB. WTR. OPA. FRESH.
MODOR. SCAT. BRN STN. 1. SFO
TO VUG. W/SA. G. DKG.
CAE. WHT. GY. BRN. AMB. OPA.

S/WEA. GY. DKG. SCAT. STN.
G. SFO. W/SA. SCAT. VUG. FRA.
CAE. AA. S/BLG. DINE. G. G.
G. FLUOR.

CAE. AA. SL. MORE FRESH.
G. S-AR.

CAE. WHT. AMB. OPA. TRANS.
MUSTY FRESH. S/DEAN.
G. DKG. SCAT. BRN STN. SFO
W/SA. SCAT. VUG. FRA.

CAE. AA. S/LAL. OTE. VY. SCAT
SNOW-AR.

DOL. LT. BRN. F-X. SDC. FRODO. 2
S/G. STN. G. SFO. W/SA. EX.

S/CAE. AR.
CAE. WHT. AMB. OPA. S/WEA.
NS. DKG.

DOL. BRN. F-X. SDC. FRODO. 2
NS. EX.

DOL. LT. BRN. F-X. SDC. FRODO. 2
NS. EX.

LS-LT. BRN. F-X. DNE. NS.
NUP.

LS-AR. W/SA. DKG.

LS-LT. BRN. F-X. DNE. NS.
NUP.

LS. AR.

LS. BRN. LT. BRN. F-X. DNE.
NS. NUP.

REC 2123 (702)

PA 2370 (-88)

AL 2450 (-97)

RTD 2500 (-97)

MISSISSIPPI
2370 (-88)

MISSISSIPPI
2451 (-97)

RTD
2500 (-97)