

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33982
Name: Alton Oil LLC.
Address 1: P.O. Box 117
Address 2: _____
City: Winfield State: Ks. Zip: 67156 + _____
Contact Person: Michael A. Pressnall
Phone: (620) 218-8268
CONTRACTOR: License # 32854
Name: Gulick Drilling Co., Inc.
Wellsite Geologist: Thomas E. Blair
Purchaser: Coffeyville Resources
Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover
 Oil _____ SWD _____ SLOW
_____ 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.: _____

<u>8-3-09</u>	<u>8-12-09</u>	<u>9-4-09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 035-24334-00-00
Spot Description: C-NE-NE
NE NE NE Sec. 1 Twp. 32 S. R. 4 East West
660' Feet from North / South Line of Section
660' Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Cowley
Lease Name: Boondogle-Long Well #: 1
Field Name: Biddle
Producing Formation: Cattleman
Elevation: Ground: 1240' Kelly Bushing: 1248'
Total Depth: 3510' Plug Back Total Depth: 3105'
Amount of Surface Pipe Set and Cemented at: 203' 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 crt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 1000 ppm Fluid volume: 200 bbls
Dewatering method used: Evaporation
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: [Signature]
Title: Member Date: 1-11-10
Subscribed and sworn to before me this 19th day of January,
20 10.
Notary Public: Charlotte R. Thiel
Date Commission Expires: 1-18-2012

	CHARLOTTE R. THIEL Notary Public - State of Kansas My Appt. Expires <u>1-18-2012</u>
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KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

RECEIVED
JAN 21 2010
KCC WICHITA

Operator Name: Alton Oil LLC. Lease Name: Boondogle-Long Well #: 1
 Sec. 1 Twp. 32 S. R. 4 East West County: Cowley

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 <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: Compensated Density, Dual Induction, Micro, Bond, Gamma Ray/Neutron,	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Layton</td> <td>2303'</td> <td>-1055</td> </tr> <tr> <td>Kansas City</td> <td>2428'</td> <td>-1180</td> </tr> <tr> <td>Cattleman</td> <td>2876'</td> <td>-1628</td> </tr> <tr> <td>Mississippi</td> <td>3028'</td> <td>-1780</td> </tr> <tr> <td>Arbuckle</td> <td>3500'</td> <td>-2252</td> </tr> </table>	Name	Top	Datum	Layton	2303'	-1055	Kansas City	2428'	-1180	Cattleman	2876'	-1628	Mississippi	3028'	-1780	Arbuckle	3500'	-2252
Name	Top	Datum																	
Layton	2303'	-1055																	
Kansas City	2428'	-1180																	
Cattleman	2876'	-1628																	
Mississippi	3028'	-1780																	
Arbuckle	3500'	-2252																	

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	24#	203'	Class "A"	115	Calcium Chloride
Production	7-7/8	5-1/2	15.50#	3101' GL	Thick-set	165	Kol-Seal

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	Mississippi- 3049'-3053'	350 gal. 15% Mud Acid	3049'-53'
	Set Cast Iron Bridge Plug @ 2970'		
4	Cattleman zone @ 2889'-2892'	100 gal. 10% MCA-9000#s 20/40 Frac-sand	2889'-92'

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>2850'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>12-1-09</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbbls. <u>4</u>	Gas Mcf	Water Bbbls. <u>350</u>
			Gas-Oil Ratio
			Gravity <u>36</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" 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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Cattleman 2889'-2892'</u>
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CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 23471
LOCATION EUREKA
FOREMAN Kevin McCoy

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	
8-3-09	1128	Boondogk - Long #1	1	32S	4E	Cowley	
CUSTOMER ALTON OIL LLC			Gulick Drig. Co.				
MAILING ADDRESS P.O. Box 117 14081 121 st Rd							
CITY Winfield		STATE KS	ZIP CODE 67856	TRUCK #	DRIVER	TRUCK #	DRIVER
				445	Justin		
				479	John		

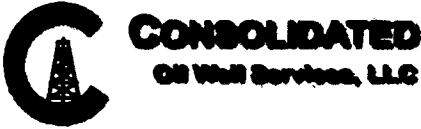
JOB TYPE SURFACE HOLE SIZE 12 1/4" HOLE DEPTH 215' KB CASING SIZE & WEIGHT 8 5/8"
 CASING DEPTH 214' KB DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15* SLURRY VOL 28 BBL WATER gal/sk 6.5 CEMENT LEFT in CASING 10'
 DISPLACEMENT 13 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting: Rig up to 8 5/8 Casing. BREAK Circulation w/ 10 BBL Fresh water.
Mixed 115 sks Class "A" Cement w/ 3% CaCl2, 2% Gel, 1/4" Floccle /sk @ 15*/gal, yield
1.35. Displace w/ 13 BBL Fresh water. Shut Casing in. Good Cement Returns to Surface
= 8 BBL Slurry to Pit. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	680.00	680.00
5406	40	MILEAGE	3.45	138.00
11045	115 sks	Class "A" Cement	12.70	1460.50
1102	325 *	CaCl2 3%	.71 *	230.75
1118 A	215 *	Gel 2%	.16 *	34.40
1107	25 *	Floccle 1/4 */sk	1.97 *	49.25
5407	5.4 Tons	Ton Mileage BULK TRUCK	MIC	296.00
			RECEIVED	
			JAN 2 2010	
			KCC WICHITA	
			Sub Total	2888.90
			SALES TAX 5.8%	102.95
			ESTIMATED TOTAL	2991.85

THANK YOU 230135 5.8%
 AUTHORIZATION Witnessed By Mike Stafford TITLE Driller/Gulick Drig DATE 8-3-09

Revin 3737



ENTERED

TICKET NUMBER 23523
 LOCATION Eureka
 FOREMAN Kevin McCoy

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																
8-12-09	1128	Boondogle - Long #1	1	325	4E	Cowley																
CUSTOMER Alton Oil LLC			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>445</td> <td>Justin</td> <td></td> <td></td> </tr> <tr> <td>479</td> <td>John S.</td> <td></td> <td></td> </tr> <tr> <td>436</td> <td>DAVE</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	445	Justin			479	John S.			436	DAVE		
TRUCK #	DRIVER	TRUCK #					DRIVER															
445	Justin																					
479	John S.																					
436	DAVE																					
MAILING ADDRESS P.O. Box 117 14081 121 st Rd																						
CITY STATE ZIP CODE Winfield KS 67156																						
			Gulick Drlg. Inc.																			

JOB TYPE Longstring HOLE SIZE 7 7/8 HOLE DEPTH 3504' KB CASING SIZE & WEIGHT 5 1/2 15.3# New
 CASING DEPTH 3101 G.L. DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.7 # SLURRY VOL 52 BBL WATER gal/sk 9.0 CEMENT LEFT In CASING 0'
 DISPLACEMENT 74.7 BBL DISPLACEMENT PSI 700 MAX PSI 1100 Bump Plug RATE _____

REMARKS: Safety Meeting: Rig up to 5 1/2 casing. Drop Trip BALL. wait 15 minutes. Set Basket shoe @ 1100 psi. Break Circulation w/ 15 BBL Fresh water. Mixed 165 sks THICK Set Cement w/ 5" Kol-Seal /sk 1/3% CFL-110 1/3% CAF-38 @ 13.7 #/gal yield 1.75. Shut down. wash out Pump & Lines. Release Plug. Displace w/ 74.7 BBL Fresh water. FINAL Pumping Pressure 700 psi. Bump Plug to 1100 psi. wait 2 minutes. Release Pressure. Float Held. Good Circulation @ ALL times while Cementing. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	870.00	870.00
5406	40	MILEAGE	3.45	138.00
1126 A	165 sks	THICK Set Cement	16.00	2640.00
1110 A	825 #	Kol-Seal 5" /sk	.39 #	321.75
1135	50 #	CFL-110 (Fluid Loss Additive)	7.05 #	352.50
1146	50 #	CAF-38 (DeFoamer)	7.25 #	362.50
5407 A	9.07 Tons	40 miles BULK TRUCK	1.16	420.85
5502 C	5 HRS	80 BBL VAC TRUCK	94.00	470.00
4406	1	5 1/2 Top Rubber Plug	58.00	58.00
4104	2	5 1/2 Cement BASKETS	206.00	412.00
4130	10	5 1/2 x 7 7/8 Centralizers	44.00	440.00
4255	1	5 1/2 Type B Basket shoe	1128.00	1128.00
1123	3000 gals	City water	14.00/1000	42.00
			RECEIVED KCC WICHITA 5.8% JAN 21 2010	
			SUB TOTAL	7165.60
			SALES TAX	333.90
			ESTIMATED TOTAL	7499.50

Revin 3737
 AUTHORIZATION [Signature] TITLE 230826 DATE _____
 THANK You

Company	Alton Oil LLC	Lease Name	Boondogle-Long	
Address	P.O. Box 117	Lease #	1	
CSZ	Winfield, KS 67156	Legal Desc	NE NE NE	Job Ticket 6026
Attn.	Michael A Pressnell	Section	1	Range 4E
		Township	32S	
		County	Cowley	State KS
		Drilling Cont	Gulick Drilling	
Comments	Times - 30 - 30 - 60 - 60 Had some pluggage on initial flow.			

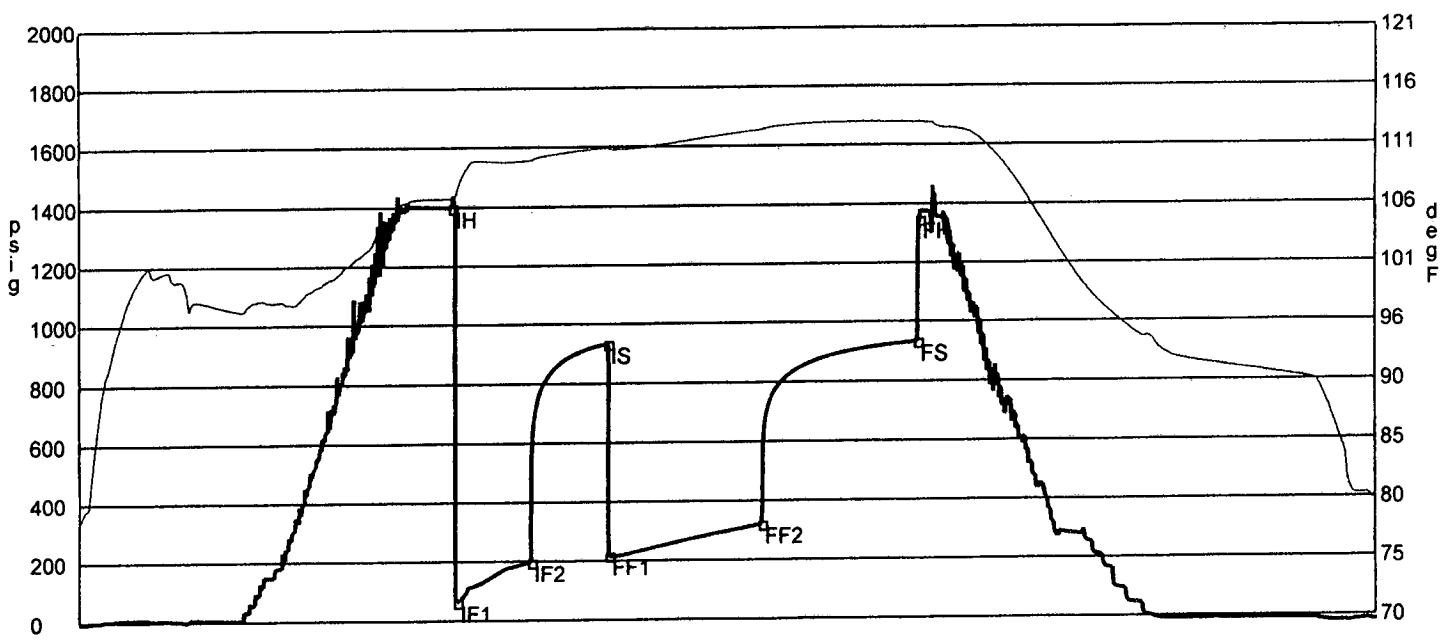
GENERAL INFORMATION

Test # 1	Test Date 8/9/2009	Chokes 3/4	Hole Size 7 7/8
Tester Richard Holtz		Top Recorder # W1022	
Test Type Conventional Bottom Hole		Mid Recorder #	
		Bott Recorder # 13306	
	Successful Test		
# of Packers 2.0	Packer Size 6 3/4	Mileage 90	Approved By
		Standby Time 0	
Mud Type Gel Chem		Extra Equipmnt Jars and safety joint	
Mud Weight 9.1	Viscosity 43.0	Time on Site 2:00 PM	
Filtrate 9.8	Chlorides 1300	Tool Picked Up 5:00 PM	
		Tool Layed Dwn 12:40 AM	
Drill Collar Len 330.0		Elevation 1240.00	Kelley Bushings 1248.00
Wght Pipe Len 0			
Formation Cattleman Sand		Start Date/Time 8/8/2009 4:35 PM	
Interval Top 2884.0	Bottom 2905.0	End Date/Time 8/9/2009 1:06 AM	
Anchor Len Below 21.0	Between 0		
Total Depth 2905.0			
Blow Type Initial Flow, weak blow building to strong, BOB in 15 minutes. Final Flow, weak blow building to strong, BOB in 23 minutes. No blow back on shut ins.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
660	mud cut water	0% 0ft	0% 0ft	83% 547.8ft	17% 112.2ft
DST Fluids 96000					

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	Date	Time	Pressure	Temp	
IH	8/8/2009 7:02:30 PM	2.458333	1398.299	106.437	Initial Hydro-static
IF1	8/8/2009 7:04:30 PM	2.491667	62.543	107.188	Initial Flow (1)
IF2	8/8/2009 7:33:30 PM	2.975	196.213	109.701	Initial Flow (2)
IS	8/8/2009 8:03:30 PM	3.475	931.867	110.698	Initial Shut-In
FF1	8/8/2009 8:04:00 PM	3.483333	216.825	110.611	Final Flow (1)
FF2	8/8/2009 9:04:15 PM	4.4875	320.048	112.191	Final Flow (2)
FS	8/8/2009 10:05:45 PM	5.5125	932.177	112.774	Final Shut-In
FH	8/8/2009 10:06:30 PM	5.525	1347.521	112.819	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

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Company	Alton Oil LLC	Lease Name	Boondogle-Long	
Address	P.O. Box 117	Lease #	1	
CSZ	Winfield, KS 67156	Legal Desc	NE NE NE	Job Ticket 6026
Attn.	Michael A Pressnell	Section	1	Range 4E
		Township	32S	
		County	Cowley	State KS
		Drilling Cont	Gulick Drilling	
Comments	Times - 30 - 30 - 60 - 60 Had some pluggage on initial flow.			

GENERAL INFORMATION

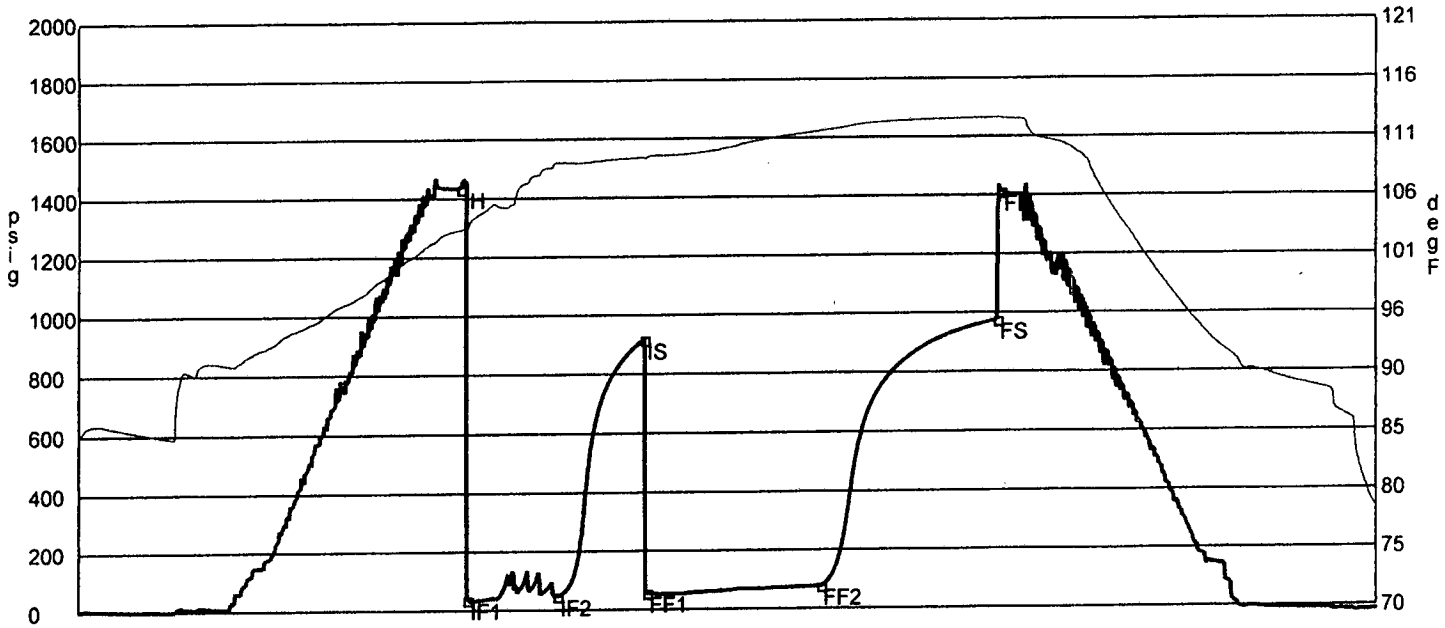
Test # 2	Test Date 8/10/2009	Chokes 3/4	Hole Size 7 7/8
Tester Richard Holtz		Top Recorder # W1022	
Test Type Conventional Bottom Hole		Mid Recorder #	
Successful Test		Bott Recorder # 13306	
# of Packers 2.0	Packer Size 6 3/4	Mileage 28	Approved By
Mud Type Gel Chem		Standby Time 24	
Mud Weight 9.1	Viscosity 46.0	Extra Equipmnt jars and safety joint	
Filtrate 9.8	Chlorides 1300	Time on Site 12:00 AM	
Drill Collar Len 330.0		Tool Picked Up 9:45 PM	
Wght Pipe Len 0		Tool Layed Dwn 4:45 AM	
Formation Mississippi		Elevation 1240.00	Kelley Bushings 1248.00
Interval Top 3041.0	Bottom 3053.0	Start Date/Time 8/9/2009 9:25 PM	
Anchor Len Below 12.0	Between 0	End Date/Time 8/10/2009 4:47 AM	
Total Depth 3053.0			
Blow Type	Initial Flow, weak blow building to 1 inch. Final Flow, weak surface blow, No b low back on shut ins.		

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
15	water cut mud/w trace of oil	0% 0ft	trace	27% 4ft	73% 11ft
30	mud cut water/w trace of oil	0% 0ft	trace	80% 24ft	20% 6ft

DST Fluids 98000

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	Date	Time	Pressure	Temp	
IH	8/9/2009 11:34:45 PM	2.1625	1433.146	102.965	Initial Hydro-static
IF1	8/9/2009 11:37:00 PM	2.2	36.239	102.853	Initial Flow (1)
IF2	8/10/2009 12:07:30 AM	2.708333	46.971	108.757	Initial Flow (2)
IS	8/10/2009 12:37:00 AM	3.2	915.521	109.161	Initial Shut-In
FF1	8/10/2009 12:37:45 AM	3.2125	55.859	109.148	Final Flow (1)
FF2	8/10/2009 1:37:15 AM	4.204167	76.604	111.397	Final Flow (2)
FS	8/10/2009 2:37:15 AM	5.204167	975.07	112.453	Final Shut-In
FH	8/10/2009 2:38:30 AM	5.225	1411.171	112.443	Final Hydro-static

GAS FLOWS

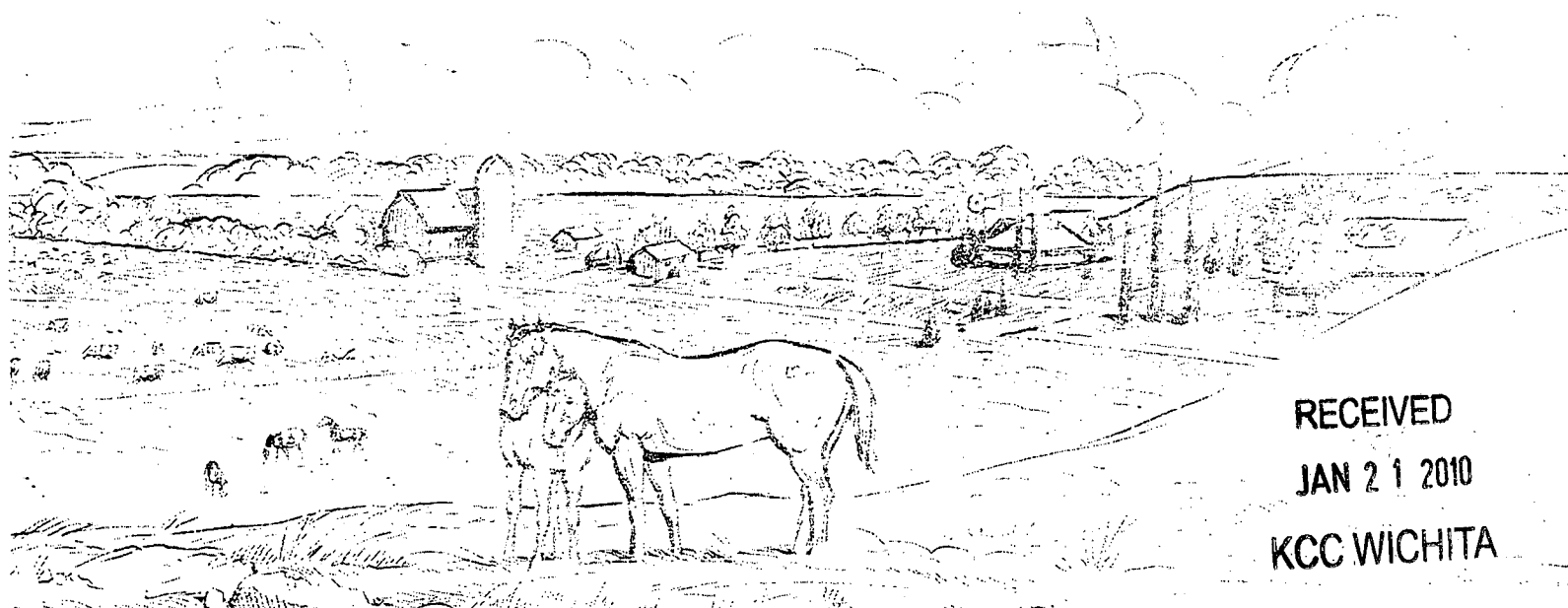
Min Into IFP Min Into FFP Gas Flows Pressure Choke

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Thomas E. Blair
22150 SE Cole Creek Rd.
Atlanta, KS 67008
620-394-2324
316-655-8585
tomkat@sktc.net

GEOLOGIST'S REPORT

WELL:	Boondogle – Long #1
OPERATOR:	Alton Oil, LLC
LOCATION:	NE NE 1-32-4E, Cowley County, KS
CONTRACTOR:	Gulick Drilling Co., Inc.
DRILLING FLUIDS:	Fud Mud
ELEVATIONS:	1240 GL; 1248 KB
MEASUREMENTS FROM:	1248 KB
WELLSITE GEOLOGIST:	Tom Blair



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GEOLOGICAL FORMATION TOPS

<i>FORMATION</i>	<i>SAMPLE DEPTH</i>	<i>LOG DEPTH</i>
Layton A	2303 (-1055)	2305 (-1057)
Kansas City	2428 (-1180)	2430 (-1182)
Base Kansas City	2563 (-1315)	2564 (-1316)
Altamont	2665 (-1417)	2668 (-1420)
Cherokee	2778 (-1530)	2781 (-1533)
Cattleman Sand	2876 (-1628)	2883 (-1635)
Mississippian	3028 (-1780)	3032 (-1784)
Kinderhook	3440 (-2192)	3442 (-2194)
Arbuckle	3500 (-2252)	NA
Total Depth	3504 (-2256)	3510 (-2262)

TESTING RESULTS

The well was drill stem tested in the Cattleman Sand and the Mississippian Chat. Results of the tests are attached to this report.

ZONES OF INTEREST AND HYDROCARBON SHOWS

FORMATION: Layton A Sand

INTERVAL: 2306 – 2318 sample depth

DESCRIPTION: Sandstone, tan, fine grained, sub-rounded, friable, good intergranular porosity, good bright fluorescence, strong odor, very good show of gas bubbles, film of free oil.

INTERVAL: 2324 – 2334

DESCRIPTION: Sandstone, tan, fine grained, sub-rounded, friable, good intergranular porosity, bright fluorescence, good odor, slight show of gas bubbles, no visible free oil.

FORMATION: Cattleman Sand

INTERVAL: 2876 – 2905 sample depth

DESCRIPTION: Sandstone, gray, very fine grained @ top grading to medium grained @ bottom of interval, angular, micaceous, poor porosity @ top grading to very good porosity @ bottom, strong odor, good overall fluorescence, trace of gas bubbles, slight show of free oil. DST #1 covered this interval.

FORMATION: Mississippian

INTERVAL: 3045 – 3050 sample depth

DESCRIPTION: Chert, white to tan, spiculitic, scattered weathered porosity, spotty bright fluorescence, trace of free oil and gas bubbles, faint odor. DST #2 covered this interval.

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REMARKS AND RECOMMENDATIONS

The Layton A Sand in this well was encountered at a structurally positive datum compared to surrounding wells and had a very similar show to the offset producer, the Barclay Brooke #1. Log calculations on this interval show this zone to be productive.

Although no good sand and no shows were present in the samples, the Cleveland Sand has a thin zone of permeability on the microlog, and calculates to be possibly productive. I believe this zone is too thin to produce, but should be tested through perforations and watched carefully on offset wells.

The Cattleman Sand was drill stem tested with only water recovery. Although having nearly original field bottom hole pressure, the zone is apparently watered out by the past waterflood or depleted by production.

The Mississippi had a fair show in a thin chert zone. This was drill stem tested with oil cut mud and water recovered with 975# of shut in pressure. Plugging on the first opening may have restricted fluid recovery. This zone should be further tested through casing.

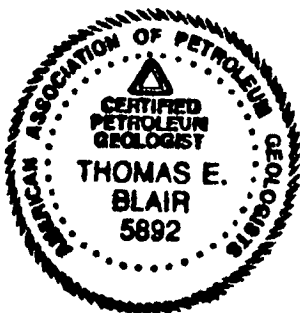
The Arbuckle was encountered at a datum lower than any of the surrounding wells and carried only trace shows and was not worthy of further testing.

It was decided by the operator and the undersigned to set 5 ½ inch casing to further test the well.

Respectfully submitted,



Thomas E. Blair,
Certified Petroleum Geologist



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