

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

9/13/11

OPERATOR: License # 6030
Name: Ainsworth Operating Company
Address 1: 4676 Commercial Street SE, # 412
Address 2: _____
City: Salem State: OR Zip: 97302 + _____
Contact Person: Al Ainsworth
Phone: (503) 881-4357
CONTRACTOR: License # 30606
Name: Murphin Drilling Company
Wellsite Geologist: Randy Killian
Purchaser: Plains Marketing, LP

KCC
SEP 13 2010
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Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., 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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

6-15-10	6-21-10	6-22-10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 195-22660-0600
Spot Description: _____
NE SW SE NW Sec. 29 Twp. 15 S. R. 25 East West
2020 Feet from North / South Line of Section
1850 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Trego
Lease Name: Howard Well #: 4
Field Name: Splitter SW
Producing Formation: Mississippian
Elevation: Ground: 2538' Kelly Bushing: 2533'
Total Depth: 4526' Plug Back Total Depth: 4478'
Amount of Surface Pipe Set and Cemented at: 210' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1962' Feet
If Alternate II completion, cement circulated from: 1962
feet depth to: surface w/ 450 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 2700 ppm ppm Fluid volume: 400 bbls
Dewatering method used: Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: VP Date: 9-10-10

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 9/13/10 - 9/13/11
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: SEP 13 2010

RECEIVED
SEP 13 2010

KCC WICHITA

Operator Name: Ainsworth Operating Company Lease Name: Howard Well #: 4
 Sec. 29 Twp. 15 S. R. 25 East West County: Trego

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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, Dual Compensated Porosity, Sonic, Microresistivity, Cement Bond	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1954</td> <td>584</td> </tr> <tr> <td>Heebner Shale</td> <td>3801</td> <td>-1272</td> </tr> <tr> <td>Lansing</td> <td>3852</td> <td>-1314</td> </tr> <tr> <td>BKC</td> <td>4144</td> <td>-1606</td> </tr> <tr> <td>Altamont</td> <td>4218</td> <td>-1680</td> </tr> <tr> <td>Ft. Scott</td> <td>4348</td> <td>-1810</td> </tr> <tr> <td>Mississippian</td> <td>4430</td> <td>-1892</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1954	584	Heebner Shale	3801	-1272	Lansing	3852	-1314	BKC	4144	-1606	Altamont	4218	-1680	Ft. Scott	4348	-1810	Mississippian	4430	-1892
Name	Top	Datum																							
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Altamont	4218	-1680																							
Ft. Scott	4348	-1810																							
Mississippian	4430	-1892																							

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	210'	Class A Common	150	Gel
production	7 7/8	5 1/2	15.5	4525'	Class A Common	140	Gel

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 spf	4436-58		

TUBING RECORD:	Size: <u>2/38</u>	Set At: <u>4474'</u>	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 checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls. <u>65</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio <u>0</u> Gravity <u>36</u>

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4436-58</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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SEP 13 2010

KCC WICHITA

surface



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 123141

Invoice Date: Jun 15, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

Bill To:
Ainsworth Operating Co. P O Box 2334 Edwards, CO 81632-2334

SEP 13 2010
CONFIDENTIAL

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Ains	Howard #4	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Jun 15, 2010	7/15/10

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	13.50	2,025.00
3.00	MAT	Gel	20.25	60.75
5.00	MAT	Chloride	51.50	257.50
150.00	SER	Handling	2.25	337.50
20.00	SER	Mileage 150 sx @ .10 per sk per mi	15.00	300.00
1.00	SER	Surface	991.00	991.00
20.00	SER	Pump Truck Mileage	7.00	140.00

<p>ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF</p> <p>\$ 822.35</p> <p>ONLY IF PAID ON OR BEFORE</p> <p>Jul 10, 2010</p>	Subtotal	4,111.75
	Sales Tax	135.91
	Total Invoice Amount	4,247.66
	Payment/Credit Applied	
	TOTAL	4,247.66

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SEP 13 2010
KCC WICHITA



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887
 Fax: (785) 483-5566

Production

INVOICE

Invoice Number: 123211
 Invoice Date: Jun 21, 2010
 Page: 1

Bill To:
 Ainsworth Operating Co.
 P O Box 2334
 Edwards, CO 81632-2334

KCC
SEP 13 2010
CONFIDENTIAL

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Ains	Howard #4	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Oakley	Jun 21, 2010	7/21/10

Quantity	Item	Description	Unit Price	Amount
140.00	MAT	Class A Common	13.65	1,911.00
3.00	MAT	Gel	20.40	61.20
15.00	MAT	Salt	23.55	353.25
450.00	MAT	Lightweight Class A	11.93	5,368.50
148.00	MAT	Flo Seal	2.45	362.60
665.00	SER	Handling	2.10	1,396.50
20.00	SER	Mileage 665 sx @ .10 per sk per mi	66.50	1,330.00
1.00	SER	Two Stage Production	2,050.00	2,050.00
20.00	SER	Pump Truck Mileage	7.00	140.00
1.00	EQP	5.5 AFU Float Shoe	192.00	192.00
1.00	EQP	5.5 DV Tool	2,832.00	2,832.00
12.00	EQP	5.5 Centralizer	35.00	420.00
5.00	EQP	5.5 Basket	161.00	805.00

Subtotal	17,222.05
Sales Tax	713.72
Total Invoice Amount	17,935.77
Payment/Credit Applied	
TOTAL	17,935.77

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 3444.41

ONLY IF PAID ON OR BEFORE
 Jul 16, 2010

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 SEP 13 2010
 KCC WICHITA

ALLIED CEMENTING CO., LLC. 041629

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

SERVICE POINT:
Russell KS

DATE <u>10-15-10</u>	SEC. <u>29</u>	TWP. <u>15</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30am</u>	JOB FINISH <u>8:00pm</u>
LEASE <u>Howard</u>	WELL# <u>4</u>	LOCATION <u>College 2 1/2 S 3/4 West into</u>			COUNTY <u>Trego</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Muelin Drilling Rig #16

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 210'

CASING SIZE 8 5/8 DEPTH 210'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 12.41 Bbl

EQUIPMENT

PUMP TRUCK CEMENTER John Roberts

417 HELPER Shane

BULK TRUCK

410 DRIVER Heath

BULK TRUCK

DRIVER

OWNER

CEMENT

AMOUNT ORDERED 150 Com 3 1/2 cc 2 1/2 Bbl

COMMON	<u>150</u>	@	<u>13.50</u>	<u>2025.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>150</u>	@	<u>2.25</u>	<u>337.50</u>
MILEAGE	<u>110</u>	@	<u>2.00</u>	<u>220.00</u>
TOTAL				<u>2980.75</u>

REMARKS:

Est Circulation

Mix ~~150~~ 150 cc Cement

Displace w/ 12.41 Bbl H₂O

Cement Did Circulate!

Thank You!

CHARGE TO: Ainsworth Operating

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 991.00

EXTRA FOOTAGE @

MILEAGE 20 @ 7.00 140.00

MANIFOLD @

TOTAL 1131.00

PLUG & FLOAT EQUIPMENT

RECEIVED

SEP 23 2010

KCC WICHITA

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.

PRINTED NAME

SIGNATURE [Signature]

SALES TAX (If Any)

TOTAL CHARGES [Total]

DISCOUNT [Discount] IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 038928

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

SERVICE POINT:

Oakley, KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
6-21-10	29	15S	25W		7:00am	12:00	1:00am
LEASE	WELL#	LOCATION			COUNTY	STATE	
Howard	#4	UACA - 112E-6N			Texas	KS	
OLD OR NEW (Circle one)							
NEW			1E 12S 6W				

CONTRACTOR	MUNSON #16	OWNER	
TYPE OF JOB	2-stage	CEMENT	
HOLE SIZE	7 7/8 T.D. 4525'	AMOUNT ORDERED	140 can 109 seal + 207 seal 114 + 1 seal
CASING SIZE	5" 14" DEPTH	Top - 450 ft + 114" Seal	
TUBING SIZE	DEPTH 4521		
DRILL PIPE	DEPTH		
TOOL	DU #65 DEPTH 1941		
PRES. MAX	MINIMUM		
MEAS. LINE	SHOE JOINT 40		
CEMENT LEFT IN CSG.	40.32		
PERFS.			
DISPLACEMENT	47.3 mud 61.9 water		

COMMON	140	@	12.62	1766.80
POZMIX		@		
GEL	3	@	20.40	61.20
CHLORIDE		@		
ASC		@		
Salt	15 gals	@	23.32	349.80
Lite	450	@	11.93	5368.50
Cl-seal	148	@	2.42	358.16
		@		
		@		
		@		
		@		
HANDLING	665	@	2.10	1396.50
MILEAGE	112 + 52 mile			1330.00
				TOTAL 10783.25

EQUIPMENT

PUMP TRUCK	CEMENTER	Fuzz
# 431	HELPER	Kelly
BULK TRUCK		
# 347	DRIVER	Darren
BULK TRUCK		
# 347	DRIVER	Jerry

REMARKS:

Drop 500 gal water - 5 BAR H₂O mix
140 gals cement washump lines Displace
to Latchdown 1000' ft 1500' land
Drop DU Bore with 10 min spacer
and 1/2 hr Pump 5 BAR H₂O mix
15 gals MH 20 gals RB mix 40 gals
cement washump lines 10' spacer
plus to DU Tool 700' ft 1600'
Close DU Tool. Cement did circulate
50 BAR plus down @ 1:00am

SERVICE

DEPTH OF JOB	4521		
PUMP TRUCK CHARGE			2850.00
EXTRA FOOTAGE		@	
MILEAGE	20	@	7.00 140.00
MANIFOLD		@	
		@	
		@	
THANKS JUSTY + crew			
TOTAL 2190.00			

CHARGE TO: Ainsworth Operating
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

1-AFU Float shoe			192.00
1-DU Tool	@		2832.00
12-Cement	@	35.00	420.00
5-Bags	@	161.00	805.00
1-Block	@	169.00	N/C
	@		
TOTAL 4249.00			

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 _____
SIGNATURE 