



KANSAS CORPORATION COMMISSION 1078722
OIL & GAS CONSERVATION DIVISION

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

OPERATOR: License # 34259
Name: JAG Operations, Inc.
Address 1: 710 S. Front
Address 2: PO BOX 628
City: RUSSELL State: KS Zip: 67665
Contact Person: Jack Yost
Phone: (785) 483-0271
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: Mike Bair
Purchaser: United Petroleum Purchasing Co.

API No. 15 - 15-167-23764-00-00
Spot Description:
NE NE SW NE Sec. 25 Twp. 13 S. R. 15 East West
1585 Feet from North / South Line of Section
1445 Feet from East / West Line of Section

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.):

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Russell
Lease Name: Haines Well #: 1
Field Name: Gorham
Producing Formation: Arbuckle
Elevation: Ground: 1871 Kelly Bushing: 1881
Total Depth: 3390 Plug Back Total Depth: 3364
Amount of Surface Pipe Set and Cemented at: 222 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 3364
feet depth to: 0 w/ 400 sx cmt.

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 #:
2/6/2012 2/13/2012 3/14/2012
Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 1400 ppm Fluid volume: 4500 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. East West
County: Permit #:

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.

Submitted Electronically

KCC Office Use ONLY	
<input type="checkbox"/>	Letter of Confidentiality Received
	Date: _____
<input type="checkbox"/>	Confidential Release Date: _____
<input checked="" type="checkbox"/>	Wireline Log Received
<input type="checkbox"/>	Geologist Report Received
<input type="checkbox"/>	UIC Distribution
ALT <input type="checkbox"/> I <input checked="" type="checkbox"/> II <input type="checkbox"/> III	Approved by: <u>Deanna Garcia</u> Date: 04/18/2012



1078722

Operator Name: JAG Operations, Inc.

Lease Name: Haines

Well #: 1

Sec. 25 Twp. 13 S. R. 15 East West

County: Russell

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhy	921	+960
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	2766	-885
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	2991	-1110
List All E. Logs Run:		Toronto	3008	-1127
Attached		Lansing	3043	-1162
		Arbuckle	3308	-1427
		TD	3390	-1509

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 Pipe	12.25	8.625	23	234.79	60/40 Poz	125	3%cc 2%gel
Production	7.875	5.5	15.5	3388	Common	525	10%salt 5%cal

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Perforate Protect Casing Plug Back TD <input checked="" type="checkbox"/> Plug Off Zone	3310-3314	Common	35	60/40 Poz

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
4	3311		3314
4	3310	squeezed with 35 sac common	3313

TUBING RECORD: Size: 2.875 Set At: 3356 Packer At: Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR.
03/14/2012

Producing Method:
Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. 15 Gas Mcf Water Bbls. 35 Gas-Oil Ratio 31 Gravity

DISPOSITION OF GAS:

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

METHOD OF COMPLETION:

Open Hole Perf. Dually Comp. Commingled
(Submit ACO-5) (Submit ACO-4)

PRODUCTION INTERVAL:

3310-3313

Form	ACO1 - Well Completion
Operator	JAG Operations, Inc.
Well Name	Haines 1
Doc ID	1078722

All Electric Logs Run

Dual Induction
Microresistivity
Dual Compensated Porosity
Borehole Compensated Sonic

QUALITY WELL SERVICE, INC.

5421

Home Office 324 Simpson St., Pratt, KS 67124

Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	5-7-12	Sec.	25	Twp.	13	Range	15	County	Russell	State	KS	On Location		Finish	2:30 PM				
Lease Acres		Well No.	1	Location Russell KS SW 1/4 N 1/2 W Sinto															
Contractor	Southward Drilling								Owner										
Type Job	Surface								To Quality Well Service, Inc.										
Hole Size	12 1/4								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Csg.	8 5/8								Charge To										
Tbg. Size									To										
Tool									Street										
Cement Left in Csg.	15 ft								City State										
Meas Line									The above was done to satisfaction and supervision of owner agent or contractor.										
EQUIPMENT												Cement Amount Ordered							
Pumptrk	No.	8		David		Common						150							
Bulktrk	No.	7		m ce		Poz. Mix													
Bulktrk	No.					Gel.						3							
Pickup	No.					Calcium						5							
JOB SERVICES & REMARKS												Hulls							
Rat Hole												Salt							
Mouse Hole												Flowseal							
Centralizers												Kol-Seat							
Baskets												Mud CLR 48							
DN or Port Collar												CFL-117 or CD110 CAF 38							
Run 5 hrs of 8 5/8 casing & landing												Sand							
+												Handling				158			
Est Circulation with mud pump												Mileage				10			
												FLOAT EQUIPMENT							
mixed 150 cu ft disp with 13 bbl H2O.												Guide Shoe							
												Centralizer							
												Baskets							
												AFU Inserts							
Cement Dis Circulate to surface												Float Shoe							
												Latch Down							
												Pumptrk Charge				Surface			
												Mileage				10			
X Signature																Tax			
																Discount			
																Total Charge			

THANKS!!

QUALITY WELL SERVICE, INC.

5438

Home Office 324 Simpson St., Pratt, KS 67124

Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date <u>2-14-12</u>	Sec. <u>25</u>	Twp. <u>13</u>	Range <u>15</u>	County <u>Russell</u>	State <u>KS</u>	On Location	Finish <u>1:00pm</u>
Lease <u>Haines</u>		Well No. <u>1</u>		Location <u>SW of Russell / N 1/4 W 5140</u>			

Contractor <u>Southwind #2</u>		Owner
Type Job <u>Long String</u>	To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Hole Size <u>7 7/8</u>	T.D. <u>3390</u>	Charge To <u>kg operations</u>
Csg. <u>5 1/2</u>	Depth <u>3388</u>	Street
Tbg. Size	Depth	City
Tool	Depth	State
Cement Left in Csg. <u>25'</u>	Shoe Joint <u>25'</u>	The above was done to satisfaction and supervision of owner agent or contractor.
Meas Line	Displace <u>80.00</u>	Cement Amount Ordered <u>400sx MDC - 1st stage</u>

EQUIPMENT		
Pumptrk No. <u>8</u>	<u>David</u>	Common <u>365</u>
Bulktrk No. <u>5</u>	<u>Neal</u>	Poz. Mix <u>160</u>
Bulktrk No. <u>1</u>	<u>Sean</u>	Gel. <u>9</u>
Pickup No.		Calcium <u>9</u>

JOB SERVICES & REMARKS	
Rat Hole <u>30 SX</u>	Hulls
Mouse Hole <u>15 SX</u>	Salt <u>11</u>
Centralizers	Flowseal
Baskets	Kol-Seal <u>12</u>
D/V or Port Collar	Mud CLR 48
<u>Ran 82 Jts of 5 1/2 casing @ landing jt</u>	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage <u>10</u>

FLOAT EQUIPMENT	
<u>Est Circulation and circulated for 1 hr</u>	Guide Shoe <u>AFU 1-5 1/2</u>
	Centralizer <u>8 turbolizers</u>
<u>Plugged Rat hole and mouse hole</u>	Baskets <u>3 5 1/2 baskets</u>
	AFU Inserts
<u>Hooked up to casing and mixed 400sx of MDC and tailed in with 125sx com 10% salt 5% Gel 2% Gel knocked off and washed pump clean - Hooked up - Released plug and D.SP 80 bbl H2O - plug landed @ 1500psr - Released - Float held!!</u>	Float Shoe
	Latch Down <u>1-5 1/2 plug & plate</u>
<u>Cement did circulate to surface</u>	Pumptrk Charge <u>Long string</u>
	Mileage <u>10</u>
X Signature <u>William Lawrence</u>	Tax
	Discount
	Total Charge



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED

Test Ticket

NO.

Name & No. Hyines #1 Test No. 1 Date 2-11-12
 Company JAG Operations INC Elevation 1381 KB 1371 GL
 Address P.O. Box 6033 Russell KS 67665
 Rep / Geo. M. Ke Bair Rig Southwind #2
 Location: Sec. 25 Twp. 13S Rge. 15W Co. Russell State KS

Interval Tested 3017-3095 Zone Tested Lansing - A-B-C
 Interval Length 78 Drill Pipe Run 0 3014 Mud Wt. 9.0
 Top Packer Depth 3012 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3017 Wt. Pipe Run 0 WL 80
 Total Depth 3095 Chlorides 31000 ppm System LCM 2#

Flow Description AP Good Blow Bob IN 11 min
IX Dead No Blow Back
AP Fair Blow Built to 9 1/2 IN
IX Dead No Blow Back

Feet	Feet of	%gas	%oil	%water	%mud
<u>4.3</u>	<u>W/M</u>			<u>45%</u>	<u>55%</u>
<u>3.3</u>	<u>Com with a scum of oil</u>	<u>5%</u>			<u>95%</u>
	<u>70 Colp</u>				

Total 146 BHT 39 Gravity API RW 34.2 @ 46.9 °F Chlorides 31,000 ppm
 Initial Hydrostatic 1443 Test 1125 T-On Location 13:29
 First Initial Flow 26 Jars 250 T-Started 17:23
 First Final Flow 40 Safety Joint 75 T-Open 15:56
 Initial Shut-In 354 Circ Sub T-Pulled 18:56
 Second Initial Flow 25 Hourly Standby T-Out 21:11
 Second Final Flow 93 Mileage 44 RT 6000 Comments _____
 Final Shut-In 357 Sampler _____
 Final Hydrostatic 1433 Straddle _____
 Shale Packer _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 1511.60
 MP/DST Disc't _____

Approved By _____ Our Representative Jeff Brown
 TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its services or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. _____

Well Name & No. Higgins #1 Test No. 2 Date 2-12-12
 Company J&G Operations INC Elevation 1831 KB 1371 GL
 Address PO Box 628 Russell KS 67765
 Co. Rep / Geo. Mike Bair Rig Southwind #2
 Location: Sec. 25 Twp. 13S Rge. 15W Co. Russell State KS

Interval Tested 3260-3317 Zone Tested ARBeckle
 Anchor Length 51 Drill Pipe Run 3269 Mud Wt. 9.0
 Top Packer Depth 3261 Drill Collars Run 0 Vis 45
 Bottom Packer Depth 3260 Wt. Pipe Run 0 WL 83
 Total Depth 3317 Chlorides 3300 ppm System LCM 2#

Flow Description Off Strong Blow 20B in 3 1/2 min
Is-Dead No Blow Back
Off Strong Blow 20B in 3 min
Is-Dead No Blow Back

Feet	Feet of	%gas	%oil	%water	%mud
252	Feet of USOC MW	2	83	15	
441	Feet of GmCWO	10	50	25	15
532	Feet of GmCO	10	70		15
55	Feet of Gassy oil	10	90		

Feet Total 1270 BHT 100 Gravity 31 API RW 469 @ 49.2 °F Chlorides 21.000 ppm
 Initial Hydrostatic 1590 Test 1125' T-On Location 23:54
 First Initial Flow 46 Jars 255 T-Started 00:53
 First Final Flow 352 Safety Joint 75' T-Open 3:20
 Initial Shut-In 1066 Circ Sub T-Pulled 6:20
 Second Initial Flow 373 Hourly Standby 1hr 105 T-Out 9:53
 Second Final Flow 546 Mileage 44.2 + 61.600 Comments _____
 Final Shut-In 1853 Sampler _____
 Final Hydrostatic 1578 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby 1 day 14 min
 Accessibility _____
 Sub Total 1611.60

Time Open 45
 Time Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 49.50
 Total 2103.40
 MP/DST Disc't _____

Approved By _____ Our Representative Jeff Brown
 TriLOBITE TESTING Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.