



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1097606  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1097606

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other *(Explain)* \_\_\_\_\_

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input 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 <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	CHERISSE JANTZ 1-19(SE)
Doc ID	1097606

Tops

Name	Top	Datum
STOTLER	3513	-712
LANSING	4230	-1429
MARMATON	4746	-1945
PAWNEE	4840	-2039
CHEROKEE	4887	-2086
MORROW SH	5108	-2307
CHESTER	5187	-2386
ST GEN	5235	-2434
ST LOUIS	5290	-2489

# DIAMOND TESTING

## General Information Report

### General Information

**Company Name** FALCON EXPLORATION, INC.  
**Contact** MIKE MITCHELL  
**Well Name** CHERISSE JANTZ #1-19  
**Unique Well ID** DST #1, MORROW SD., 5149-5195  
**Surface Location** SEC 19-28S-30W, GRAY CO. KS.  
**Field** WILDCAT  
**Well Type** Vertical  
**Test Type** CONVENTIONAL  
**Formation** DST #1, MORROW SD., 5149-5195  
**Well Fluid Type** 01 Oil

**Representative** TIM VENTERS  
**Well Operator** FALCON EXPLORATION, INC.  
**Report Date** 2012/07/13  
**Prepared By** TIM VENTERS  
**Qualified By** SEAN DEENIHAN

**Start Test Date** 2012/07/12  
**Final Test Date** 2012/07/13

**Start Test Time** 18:47:00  
**Final Test Time** 06:43:00

### Test Recovery:

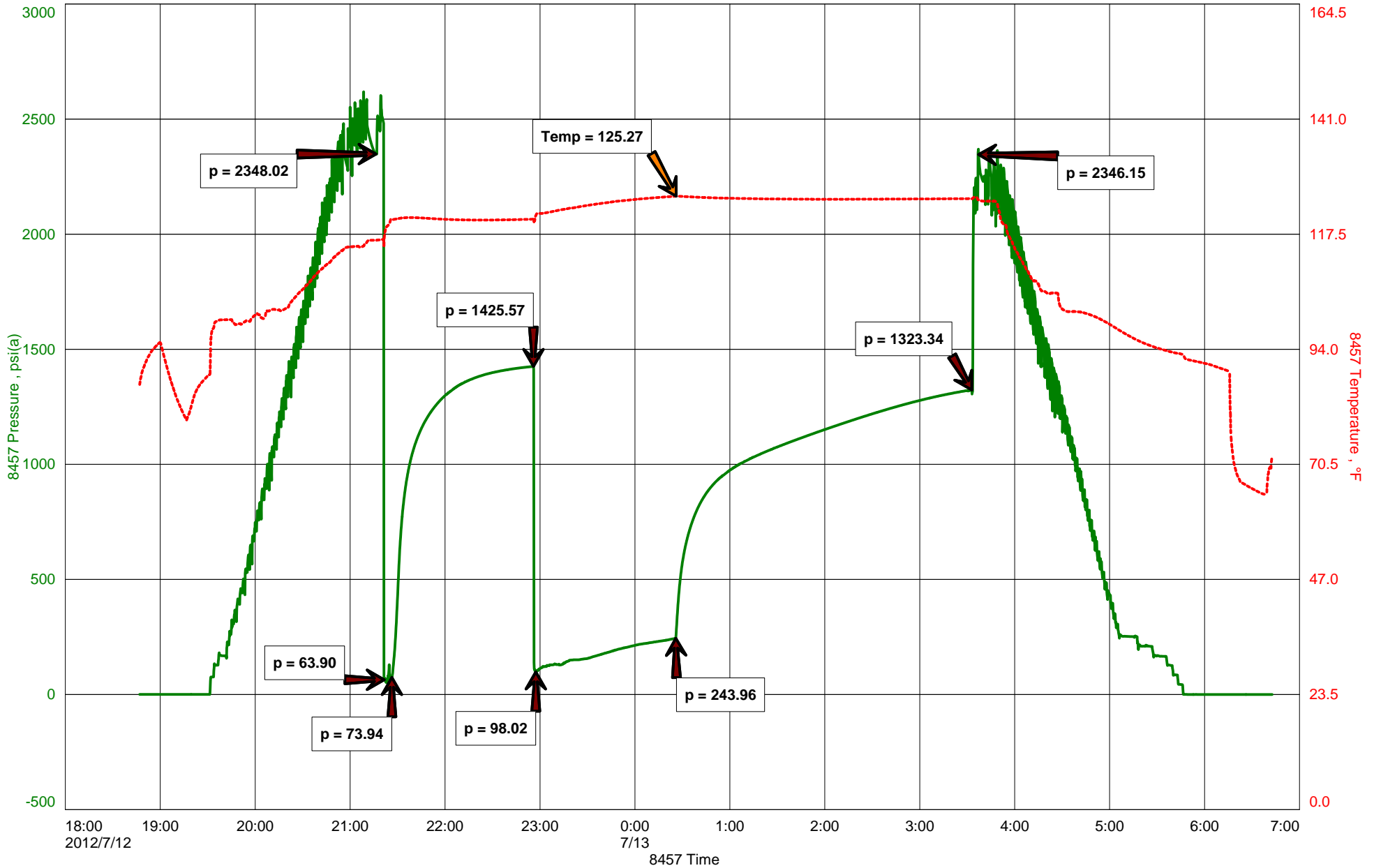
#### RECOVERED: 2635' GAS IN PIPE

90' GO, 30% GAS, 70% OIL, GRAVITY: 23  
95' G,HMCO, 11% GAS, 67% OIL, 56% MUD  
90' G,O&WCM, 21% GAS, 12% OIL, 27% WATER, 40% MUD  
275' G,SO,MCW, 3% GAS, 5% OIL, 65% WATER, 27% MUD  
550' TOTAL FLUID

TOOL SAMPLE: 9% OIL, 90% WATER, 1% MUD

CHLORIDES: 96,000 ppm  
PH: 6.0  
RW: .09 @ 77deg.

# CHERISSE JANTZ #1-19





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

# ALLIED OIL & GAS SERVICES, LLC 053232

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Liberal, KS

DATE <u>7/8/12</u>	SEC. <u>19</u>	TWP. <u>28s</u>	RANGE <u>30w</u>	CALLED OUT	ON LOCATION <u>3:30 #</u>	JOB START <u>8:30</u>	JOB FINISH <u>9:30</u>
LEASE <u>Cherisse Jantz</u>	WELL # <u>1-19</u>	LOCATION <u>N. of Copland, KS</u>			COUNTY <u>SEA</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Duke Drilling #10  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 1866  
 CASING SIZE 8 7/8 DEPTH 1852.18  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT

OWNER Falcon Exploration, Inc.

CEMENT AMOUNT ORDERED 6.75 Allied LT-WT  
+ 3 1/2 cc + 1/4" F-10 SEA  
150 sks Class A150 + 3 1/2 cc + 1/4" F-10 SEA

EQUIPMENT  
 PUMP TRUCK CEMENTER Victor Newton 1  
#5319/530 HELPER Lenny Baeza 2  
 BULK TRUCK  
#530/534 DRIVER Viscate Torres 3  
 BULK TRUCK  
#470/528 DRIVER David Converse  
Contract driver

COMMON <u>Class A150 @ 16.25</u>	<u>2437.50</u>
POZMIX @	
GEL <u>3 sk @ 21.75</u>	<u>63.75</u>
CHLORIDE <u>27 sk @ 58.20</u>	<u>1571.40</u>
ASC @	
<u>Allied LTWT-T1 6.75 @ 15.00</u>	<u>101.25</u>
<u>F-10 SEA 169 lb @ 7.20</u>	<u>1216.30</u>
@	
@	
@	
@	
HANDLING <u>855 sks @ 2.25</u>	<u>1923.75</u>
MILEAGE <u>42.750 sk/mi @ 11</u>	<u>470.25</u>

REMARKS:

Did not bump Plug - Float  
held

Thank You!!!

CHARGE TO: Falcon Exploration, Inc  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 21,280.20

SERVICE

DEPTH OF JOB <u>1866</u>	
PUMP TRUCK CHARGE	<u>1925.00</u>
EXTRA FOOTAGE @	
MILEAGE (H) <u>100 @ 7.00</u>	<u>700.00</u>
MANIFOLD <u>8 7/8 1 day @ 200</u>	<u>200.00</u>
MILEAGE (L) <u>100 @ 4.00</u>	<u>400.00</u>

TOTAL 3225.00

PLUG & FLOAT EQUIPMENT

<u>Weatherford</u>	
<u>1 8 7/8 Guide Shoe @ 404.00</u>	<u>404.00</u>
<u>1 8 7/8 AFU Float @ 238.00</u>	<u>238.00</u>
<u>2 8 7/8 Centralizer @ 67.00</u>	<u>201.00</u>
<u>3" Baskets @ 314.00</u>	<u>942.00</u>
<u>1 1/2" RB Top Plug (1) @ 101.00</u>	<u>101.00</u>

TOTAL 1886.00

To: Allied Oil & Gas Services, 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) 1232.22

TOTAL CHARGES \$26,391.20

DISCOUNT \$20,076.30 IF PAID IN 30 DAYS

PRINTED NAME Chris Toner

SIGNATURE [Signature]

Due 6314.90

# ALLIED OIL & GAS SERVICES, LLC KS 053234

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Liberal, KS

DATE <u>7/15/12</u>	SEC <u>19</u>	TWP <u>28S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>9:00 P</u>	JOB START <u>1:30</u>	JOB FINISH <u>2:30</u>
LEASE <u>Cheer 33E Jantz</u>	WELL # <u>1-19</u>	LOCATION <u>N. Copeland, KS</u>			COUNTY <u>GRAY</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>Duke Drilling Rig Co</u>	OWNER <u>Falcon Exploration</u>
TYPE OF JOB <u>Plug</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>1890</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>1866</u>
TUBING SIZE <u>4 1/2</u>	DEPTH <u>1890</u>
DRILL PIPE <u>4 1/2</u>	DEPTH <u>1890</u>
TOOL _____	DEPTH _____
PRES. MAX _____	MINIMUM _____
MEAS. LINE _____	SHOE JOINT _____
CEMENT LEFT IN CSG. <u>230'</u>	<u>230'</u> <u>60'</u>
PERFS. _____	
DISPLACEMENT <u>23.6</u>	<u>8.0</u>

EQUIPMENT		
PUMP TRUCK # <u>531/541</u>	CEMENTER <u>Virgil Newton</u>	
BULK TRUCK # <u>472/467</u>	HELPER <u>Cesar Davia / Visente Torres</u>	
BULK TRUCK # _____	DRIVER <u>David Conveys</u>	
BULK TRUCK # _____	DRIVER _____	

REMARKS:  
Sat. 50sk Plugs @ 1890 & 810  
Circulated cement @ 60' Rat Hole, &  
Mouse Hole

THANK YOU!!!

CHARGE TO: Falcon Exploration

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

CEMENT		
AMOUNT ORDERED <u>170 sks Allied LTWT</u>		
<u>Type 2</u>		
COMMON _____	@ _____	
POZMIX _____	@ _____	
GEL _____	@ _____	
CHLORIDE _____	@ _____	
ASC _____	@ _____	
<u>Allied LT-WT 2 170sk</u>	@ <u>14.50</u>	<u>2465.00</u>
HANDLING <u>170 sks</u>	@ <u>2.25</u>	<u>382.50</u>
MILEAGE <u>8500 st/mi</u>	<u>0.11</u>	<u>935.00</u>
TOTAL		<u>3782.50</u>

SERVICE <u>Plugging</u>		
DEPTH OF JOB <u>1890</u>		
PUMP TRUCK CHARGE		<u>1250.00</u>
EXTRA FOOTAGE _____	@ _____	
MILEAGE (H) <u>1800</u>	@ <u>7.00</u>	<u>700.00</u>
MANIFOLD _____	@ _____	
<u>Mileage (L) 100</u>	@ <u>4.00</u>	<u>400.00</u>
TOTAL		<u>2350.00</u>

PLUG & FLOAT EQUIPMENT		
_____	@ _____	
_____	@ _____	
_____	@ _____	
_____	@ _____	
_____	@ _____	
TOTAL		_____

To: Allied Oil & Gas Services, 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 Saul Garcia

SIGNATURE Saul Garcia

SALES TAX (if Any) 456.87

TOTAL CHARGES \$6132.50

DISCOUNT \$4599.37 IF PAID IN 30 DAYS

25% 1533.13



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 16, 2012

CYNDE WOLF  
Falcon Exploration, Inc.  
125 N MARKET STE 1252  
WICHITA, KS 67202-1719

Re: ACO1  
API 15-069-20379-00-00  
CHERRISSE JANTZ 1-19(SE)  
SE/4 Sec.19-28S-30W  
Gray County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
CYNDE WOLF

# Sean Deenihan

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY: Falcon Exploration, Inc.  
 LEASE: Cherisse Jantz #1-19(SF)  
 FIELD: Wildcat  
 LOCATION: 776' FSL & 1087' FEL  
 SEC: 19 TWP: 28S RGE: 30W  
 COUNTY: Gray STATE: Kansas  
 CONTRACTOR: Duke Rig #6  
 SPUD: 7/6/12 COMP: 7/1/12  
 RTD: 5450' LTD: 5441'  
 MUD UP: 2800' TYPE MUD: Chemical

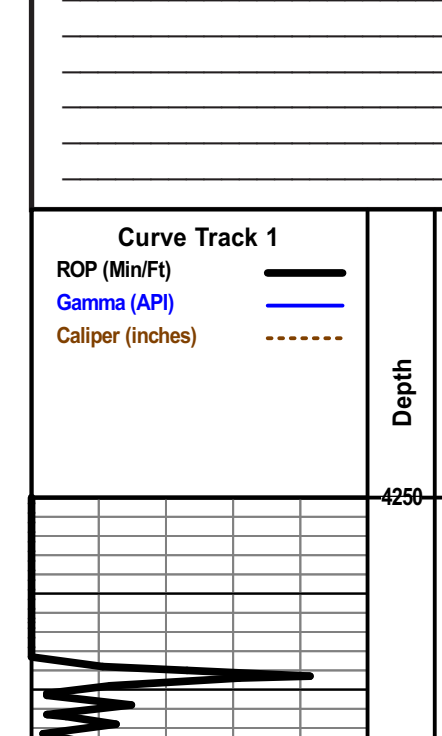
ELEVATIONS  
 KB 2801'  
 DF: \_\_\_\_\_  
 GL: 2788'  
 Measurements Are All From Kelly Bushing

CASING  
 CONDUCTOR: \_\_\_\_\_  
 SURFACE: 8-5/8" x 1.865"  
 PRODUCTION: \_\_\_\_\_

ELECTRICAL SURVEYS  
 CND ALL MIC  
 SON  
 Ticker Wireline

GEOLOGICAL SUPERVISION FROM: 4288'  
 REFERENCE WELL: Ron Jantz - Sec 20

Formation	Sample Tops	E-log Tops
Lansing	4612 (-1811)	4230 (-1429)
Stark	4851 (-2050)	4600 (-1799)
Pawnee	4900 (-2099)	4841 (-2040)
Cherokee	5108 (-2307)	4886 (-2085)
Morrow Sh.	5174 (-2373)	5108 (-2307)
Morrow Sd	5174 (-2373)	5174 (-2373)
Chester	5214 (-2413)	5200 (-2309)
St. Clair	5244 (-2444)	5235 (-2434)



REMARKS: The sample depths are 10-12' deeper than the Log depths. No correction was made.

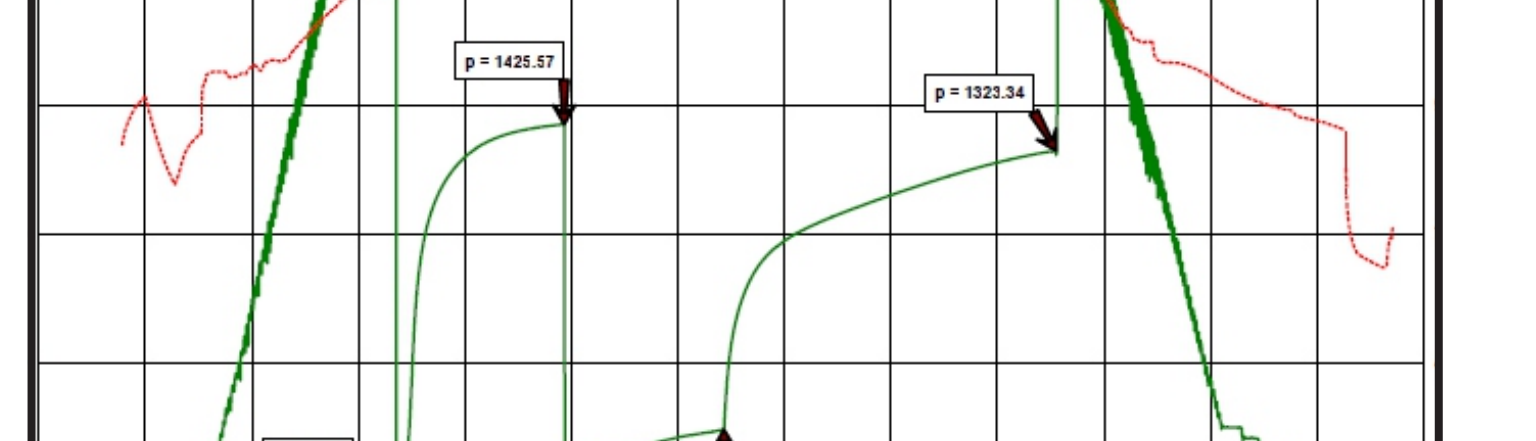
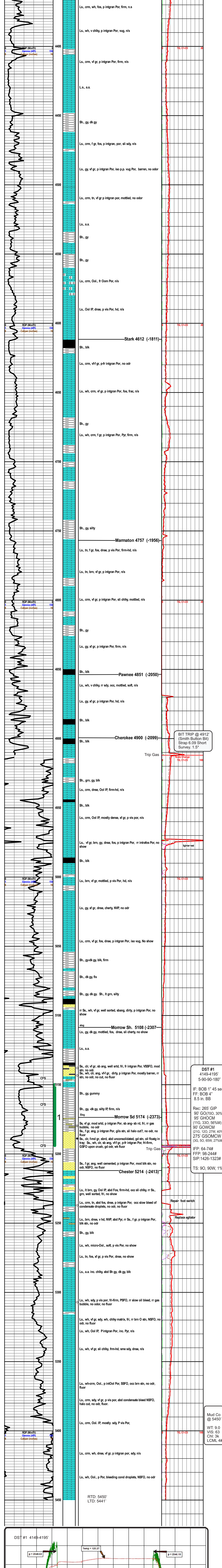
Respectfully Submitted,

Sean P. Deenihan

API #15-069-20379

Mud Co @ 4103'

WT: 910  
 VIS: 42  
 Chl: 4.7k  
 LCML 5.5#



DST #1  
 4149-4195'  
 5-90-90-180'

IF: BOB 1" 45 sec  
 95' GHOCM (11G, 33O, 56%M)  
 90' GOWCM (21G, 12O, 27W, 40%M)  
 275' GSOMCW (3G, 5O, 85W, 27%M)

IFP: 64-74#  
 FFP: 98-244#  
 SIP: 1426-1323#  
 TS: 90, 90W, 1%M

Mud Co @ 5450'

WT: 9.0  
 VIS: 63  
 Chl: 3k  
 LCML 4#