Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1080561

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 # 5316
Name: Falcon Exploration, Inc.
Address 1: 125 N MARKET STE 1252
Address 2:
City: WICHITA State: KS Zip: 67202 + 1719
Contact Person: CYNDE WOLF
Phone: (316) 262-1378
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: KEITH REAVIS
Purchaser: NA

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 #:

01/18/2012	01/28/2012	01/29/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-069-20360-00-00
Spot Description:
NW NE NW SE Sec. 5 Twp. 28 S. R. 30 ☐ East ☑ West
2570 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

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Gray
Lease Name: EMERY JOSSERAND Well #: 1-5(SE)
Field Name:
Producing Formation: NA
Elevation: Ground: 2810 Kelly Bushing: 2823
Total Vertical Depth: 5375 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1875 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: 05/08/2012
☑ **Confidential Release Date:** 05/08/2014
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 05/08/2012

[redacted] 1080561

Operator Name: Falcon Exploration, Inc. Lease Name: EMERY JOSSERAND Well #: 1-5(SE)

Sec. 5 Twp. 28 S. R. 30 ☐ East ☑ West County: Gray

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

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

Name	Top	Datum
Attached	Attached	Attached

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	12.25	8.625	24	1875	65/35;CLASS A	800	2% 3%

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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 *(Amount and Kind of Material Used)*	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

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

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	EMERY JOSSERAND 1-5(SE)
Doc ID	1080561

All Electric Logs Run

MEL
DIL
BHCS
CNL/CDL

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	EMERY JOSSERAND 1-5(SE)
Doc ID	1080561

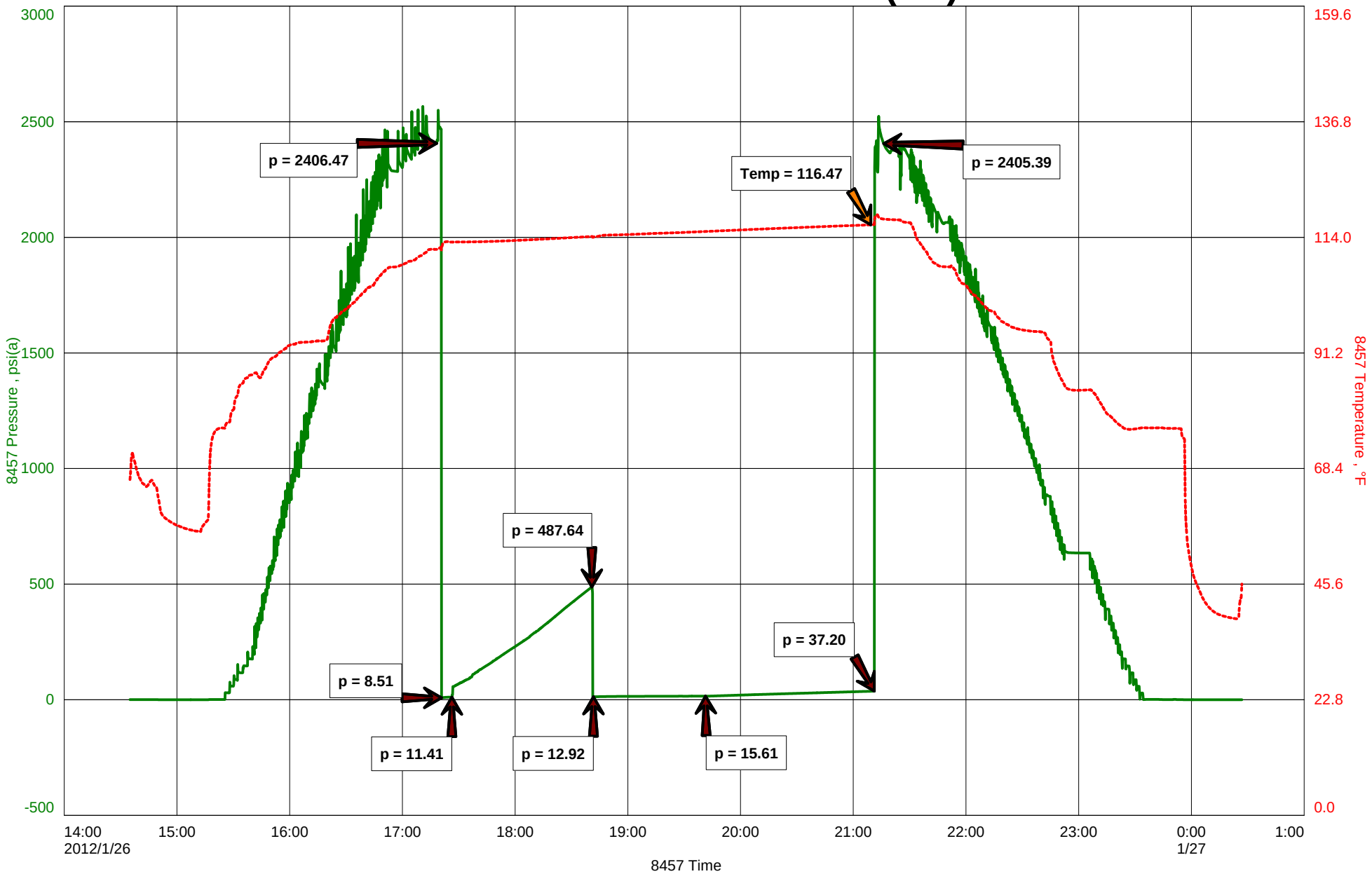
Tops

Name	Top	Datum
STOTLER	3540	-717
LANSING	4252	-1429
PAWNEE	4837	-2014
CHEROKEE	4886	-2063
MORROW SD	5091	-2268
MISS CHEST	5123	-2300
MISS ST GEN	5190	-2367
ST LOU POR	5284	-2461

FALCON EXPLORATION, INC.
DST #1, MORROW, 5067-5115
Start Test Date: 2012/01/26
Final Test Date: 2011/01/27

EMERY JOSSERAND #1-5 (SE)
Formation: DST #1, MORROW, 5067-5115
Pool: WILDCAT
Job Number: T005

EMERY JOSSERAND #1-5 (SE)



DIAMOND TESTING

General Information Report

General Information

Company Name	FALCON EXPLORATION, INC.	**Representative**	TIM VENTERS
Contact	MIKE MITCHELL	**Well Operator**	FALCON EXPLORATION, INC.
Well Name	EMERY JOSSERAND #1-5 (SE)	**Report Date**	2011/01/27
Unique Well ID	DST #1, MORROW, 5067-5115	**Prepared By**	TIM VENTERS
Surface Location	SEC 5-28S-30W, GRAY CO. KS.		
Field	WILDCAT	**Qualified By**	KEITH REAVIS
Well Type	Vertical		
Test Type	STRADDLE		
Formation	DST #1, MORROW, 5067-5115		
Well Fluid Type	01 Oil		
Start Test Date	2012/01/26	**Start Test Time**	14:35:00
Final Test Date	2011/01/27	**Final Test Time**	00:27:00

Test Recovery:

RECOVERED: 10' MUD W/TR. OIL, TR. OIL, 100% MUD

TOOL SAMPLE: TR. OIL, 100% MUD

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET

FILE: EMERYJOSSERAND1-5DST1

TIME ON: 14:35 1.26.12

TIME OFF: 00:27 1.27.12

Company FALCON EXPLORATION, INC. Lease & Well No. EMERY JOSSERAND #1-5 (SE)

Contractor STERLING DRILLING CO. RIG #5 Charge to FALCON EXPLORATION, INC.

Elevation 2823 KB Formation MORROW Effective Pay ____ Ft. Ticket No. T005

Date 1-26-12 Sec. 5 Twp. 28 S Range 30 W County GRAY State KANSAS

Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 5067 ft. to 5115 ft. Total Depth 5147 ft.

Packer Depth 5067 ft. Size 6 3/4 in. Packer depth 5120 ft. Size 6 3/4 in.

Packer Depth 5115 ft. Size 6 3/4 in. Packer depth ____ ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 5053 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 5108 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth 5144 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 334 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 1,900 P.P.M. Drill Pipe Length 4705 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number #4 Test Tool Length 28 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 80 ft. Size 4 1/2-FH in

31' DP IN ANCHOR

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK SURFACE BLOW BUILDING TO 1/4 INCH. (NOBB)

2nd Open: WEAK SURFACE BLOW THROUGHOT PERIOD. (NOBB)

Recovered 10 ft. of M W/TR. OIL, TR. OIL, 100% MUD

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: ____

TOOL SAMPLE: TR. OIL, 100% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 5:20 PM A.M. P.M. Time Started Off Bottom 9:10 PM A.M. P.M. Maximum Temperature 116 deg.

Initial Hydrostatic Pressure ..... (A) 2406 P.S.I.

Initial Flow Period ..... Minutes 5 (B) 9 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period ..... Minutes 75 (D) 488 P.S.I.

Final Flow Period ..... Minutes 60 (E) 13 P.S.I. to (F) 16 P.S.I.

Final Closed In Period ..... Minutes 90 (G) 37 P.S.I.

Final Hydrostatic Pressure ..... (H) 2405 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.

DIAMOND TESTING

General Information Report

General Information

Company Name	FALCON EXPLORATION, INC.	**Representative**	TIM VENTERS
Contact	MIKE MITCHELL	**Well Operator**	FALCON EXPLORATION, INC.
Well Name	EMERY JOSSERAND #1-5 (SE)	**Report Date**	2012/01/28
Unique Well ID	DST #2, ST. LOUIS, 5276-5296	**Prepared By**	TIM VENTERS
Surface Location	SEC 5-28S-30W, GRAY CO. KS.		
Field	WILDCAT	**Qualified By**	KEITH REAVIS
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #2, ST. LOUIS, 5276-5296		
Well Fluid Type	01 Oil		
Start Test Date	2012/01/27	**Start Test Time**	21:32:00
Final Test Date	2012/01/28	**Final Test Time**	07:59:00

Test Recovery:

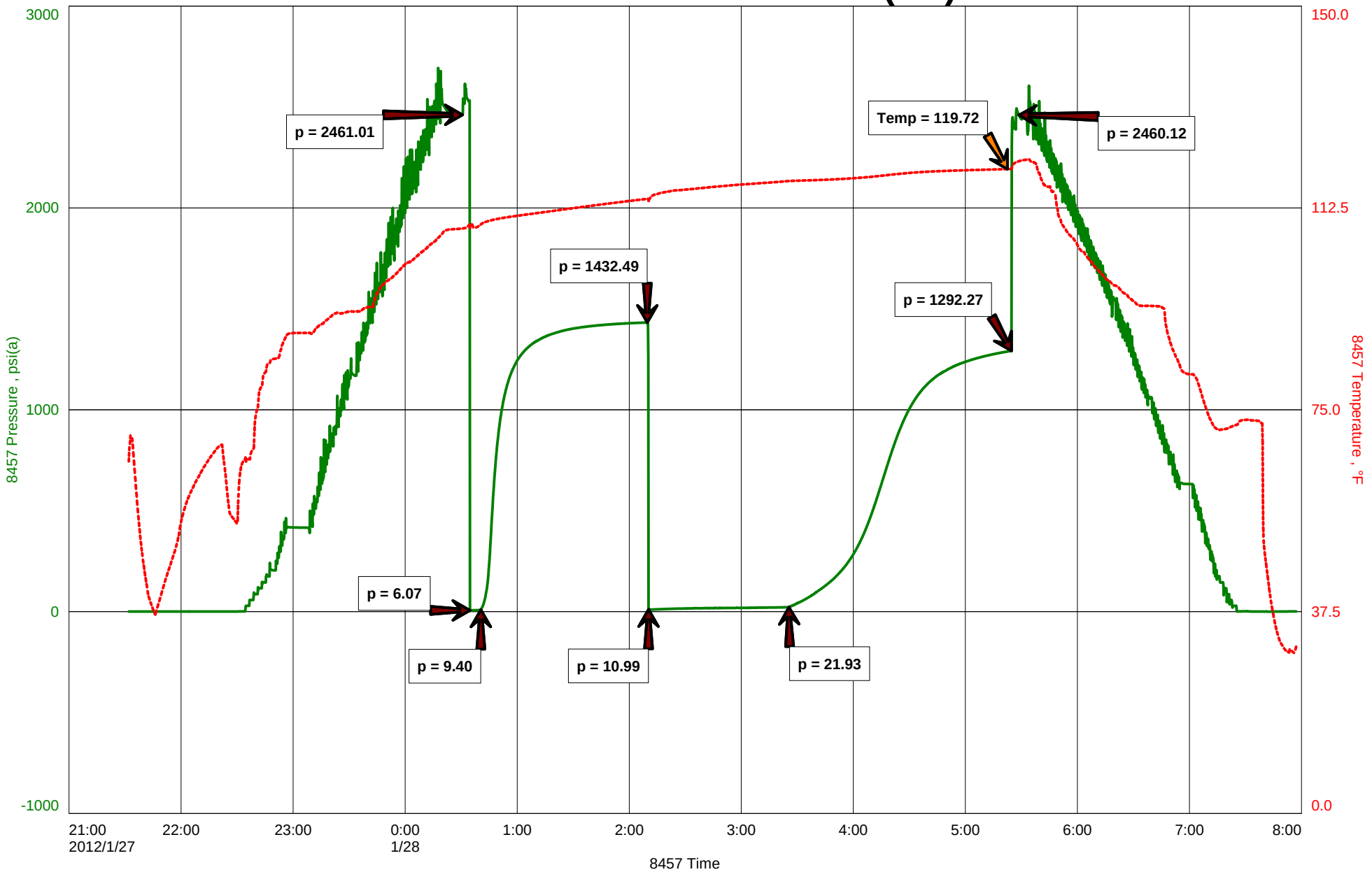
RECOVERY: 215' GIP
30' OCM, 26%OIL, 74% MUD

TOOL SAMPLE: 37% OIL, 63% MUD

FALCON EXPLORATION, INC.
DST #2, ST. LOUIS, 5276-5296
Start Test Date: 2012/01/27
Final Test Date: 2012/01/28

EMERY JOSSERAND #1-5 (SE)
Formation: DST #2, ST. LOUIS, 5276-5296
Pool: WILDCAT
Job Number: T006

EMERY JOSSERAND #1-5 (SE)



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: JOSSERAND15DST2

TIME ON: 21:32 1-27-12
TIME OFF: 07:59 1-28-12

Company FALCON EXPLORATION, INC. Lease & Well No. EMERY JOSSERAND #1-5 (SE)

Contractor STERLING DRILLING CO. RIG #5 Charge to FALCON EXPLORATION, INC.

Elevation 2823 KB Formation ST. LOUIS Effective Pay _____ Ft. Ticket No. T006

Date 1-28-12 Sec. 5 Twp. 28 S Range 30 W County GRAY State KANSAS

Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 5276 ft. to 5296 ft. Total Depth 5296 ft.

Packer Depth 5276 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 5271 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5257 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 5293 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 Drill Collar Length 334 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 5.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 3,000 P.P.M. Drill Pipe Length 4909 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number #4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK SURFACE BLOW THROUGHOUT PERIOD. (NOBB)

2nd Open: WEAK SURFACE BLOW BUILDING TO 7 INCHES. (NOBB)

Recovered 215 ft. of GIP

Recovered 30 ft. of OCM, 26% OIL, 74% MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 37% OIL, 63% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 12:34 AM A.M. P.M. Time Started Off Bottom 5:24 AM A.M. P.M. Maximum Temperature 120 deg.

Initial Hydrostatic Pressure ..... (A) 2461 P.S.I.

Initial Flow Period ..... Minutes 5 (B) 6 P.S.I. to (C) 9 P.S.I.

Initial Closed In Period ..... Minutes 90 (D) 1432 P.S.I.

Final Flow Period ..... Minutes 75 (E) 11 P.S.I. to (F) 22 P.S.I.

Final Closed In Period ..... Minutes 120 (G) 1292 P.S.I.

Final Hydrostatic Pressure ..... (H) 2460 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 053358

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Liberal KS.

DATE 1-20-12	SEC. 5	TWP. 28s	RANGE 30w	CALLED OUT	ON LOCATION	JOB START 2:30pm	JOB FINISH 3:30 pm
LEASE Emery Josserand	WELL# 1-5		LOCATION Ver Cooplan KS. N on			COUNTY Gray	STATE KS.
OLD OR (NEW) (Circle one)			CR 2 to CR Y east 1/2 mile s into				

CONTRACTOR Sterling Rig #5
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 1880'
CASING SIZE 8 5/8 24 lb DEPTH 1875'
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH
TOOL DEPTH
PRES. MAX 1000 PSI MINIMUM 500 PSI
MEAS. LINE SHOE JOINT 40.85
CEMENT LEFT IN CSG. 40'. 85"
PERFS.
DISPLACEMENT 116.8 BBL

OWNER

EQUIPMENT

PUMP TRUCK CEMENTER Kenny
420-484 HELPER Jose
BULK TRUCK
#437-251 DRIVER Lenny
BULK TRUCK
#242-467 DRIVER Angel & Jesenia

REMARKS:

Had to top off @ 12:00 Am to 12:30 Am w/ 50 SK of Class A Neat

THANK YOU!!

CEMENT

AMOUNT ORDERED 600 SK 65/35/6 + gel 3% CC 1/4# Flocel 150 SK Class A 3% CC 2% gel + 50 SK Class A Neat

COMMON	200	@ 16.25	3250.00
POZMIX		@	
GEL	3	@ 20	60.00
CHLORIDE	25	@ 58.20	1455.00
ASC		@	
Light Weight 600		@ 15.00	9000.00
		@	
Flocel	150	@ 2.70	405.00
		@	
Sugar	50	@ 1.75	87.50
		@	
		@	
		@	
HANDLING	834	@ 2.25	1876.50
MILEAGE			4587.00
		TOTAL	20727.00

SERVICE

DEPTH OF JOB			1880 ft
PUMP TRUCK CHARGE			1925.00
EXTRA FOOTAGE		@	
MILEAGE	100	@ 7.00	700.00
MANIFOLD	1	@ 200.00	200.00
Light VM Mileage	100	@ 4.00	400.00
		@	
		TOTAL	3225.00

PLUG & FLOAT EQUIPMENT

Guide Shoe	1	@ 404.00	404.00
AFU Insert	1	@ 238.00	238.00
Centralizers	3	@ 67.00	201.00
Baskets	3	@ 314.00	942.00
Rubber Plug	1	@ 101.00	101.00
		TOTAL	1886.00

CHARGE TO: Falcon
STREET Box 551
CITY Russell STATE Ks ZIP 67665

SALES TAX (If Any)
TOTAL CHARGES $25832.00
DISCOUNT $19374.00 IF PAID IN 30 DAYS

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 Leon Kuhn

SIGNATURE Leon Kuhn

ALLIED CEMENTING CO., LLC. 30523

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Liberal, Ks

DATE 1-29-12	SEC. 5	TWP. 28S	RANGE 30W	CALLED OUT	ON LOCATION	JOB START 1:30	JOB FINISH 7:30 Pm
LEASE Energy Jossend	WELL # 1-5		LOCATION Copeland Ks N to Rd V 1/2 E S into			COUNTY	STATE Ks
OLD OR NEW (Circle one)							

CONTRACTOR Sterling #5
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D. 5375'
CASING SIZE 8 5/8 DEPTH 1875
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 1900'
TOOL DEPTH
PRES. MAX 300 MINIMUM 0
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 238 BBL

OWNER SAME

CEMENT
AMOUNT ORDERED 160 60/40 4% Gel

EQUIPMENT

PUMP TRUCK CEMENTER R. Ryan
372 HELPER CASEY
BULK TRUCK
#456/289 DRIVER FRANCISCO
BULK TRUCK
DRIVER

COMMON		@	
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
160 Lite		@ 14.50	2320.00
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	160	@	360.00
MILEAGE	5 x mi x 11		880.00
		TOTAL	3560

REMARKS:

Thank You

SERVICE

DEPTH OF JOB	1900		
PUMP TRUCK CHARGE			1250.00
EXTRA FOOTAGE		@	
MILEAGE	100 m	@ 7.00	700.00
MANIFOLD		@	
CTU Emi	100 mi	@ 4.00	400.00
		@	
		TOTAL	2350.00

CHARGE TO: FALCON
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

N/A

TOTAL

SALES TAX (If Any)
TOTAL CHARGES 5910.00
DISCOUNT IF PAID IN 30 DAYS

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 ALAN LOFTIS

SIGNATURE alan Loftis

Curve Track #1
ROP (min/ft)
Gamma (API)
Cal (in)
1:240 Imperial
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16

Depth | Intervals
Cored Interval
DST Interval

DST

Lithology

Oil Show

Geological Descriptions

TG, C1 - C5
Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

3400

limestone, gray, microcrystalline, arenaceous to dolomitic, some pinpoint porosity, no shows

3420

limestone, cream to tan, mature oolitic and oomoldic, some scattered moldic porosity, no shows, pale green fluoresence

3440

limestone, cryptocrystalline, dense gray/green, with oolitic/oomoldic limestone as above, flood chalk, no show, faint fluoresence

3460

3480

limestone, cream to light gray and gray/green, microcrystalline, dense, fossiliferous, poor visble porosity, abundant chalk, no shows, some fair flouresence

as above, increasing chalk

3500

3520

shale, mixed gray and red, silty

3540

Stotler 3541 -718

limestone, gray to gray/green and cream, dense, fossiliferous, with limestone, gray, mottled, pelletal to oolitic to fossiliferous, dense, no shows

3560

limestone as above, with cream chalky oolitic, and gray/tan mottled fossiliferous to oolitic to pelletal, slight chalky/weathered, poor visible porosity, some influx of chalk in samples, some scattered mineral fluoresence

3580

limestone, cream, cryptocrystalline, dense, fossiliferous, with limestone, gray to gray/green and gray/brown mottled, crypto-microcrystalline, fossilifeorus to pelletal, gray and green limey shales, no shows

3600

0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16

Tarkio 3612 -789

limestone, gray/green to cream, cryptocrystalline, dense, arenaceous, some dolomitic, some secondary calcite, some cream microcrystalline, grainy, dense fossiliferous, no shows, faint fluoresence

Mud-Co Mud Ck
@ 3616'
0840 hrs 1/23/12
vis 48 wt 8.8
pv 15 yp 18
wl 8.0 cake 1/32
pH 11.0
chl 2500
cal 40
sol 3.6 lcm2#
dmc $1636.60
cmc $10629.85

3620

3640

3660

limestone, cream, grainy fossiliferous, with chalky gray/tan mottled fossiliferous to pelletal, poor visible porosity, no shows, abundant soft green shale, with green and gray limey shales

3680

limestone, cream to light gray, microcrystalline, fossilerous, mostly dense, some chalky

3700

Bern 3711 -888

limestone, light gray to cream, microcrystalline, fossiliferous, trace bioclastic and trace oolitic, poor overall visible porosity, no shows, scattered light fluoresence

3720

3740

limestone, cream to light gray, micro-cryptocrystalline, arenaceous to fossiliferous, dense, some chalk, scattered white frosted fossiliferous chert, sharp, fresh, no shows, poor fluoresence

3760

limestone, mixed gray non-descript fossiliferous, some grainy, some chalky, mostly dense, with bedded gray dense oolitic, no shows or fluoresence

3780

3800

0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16

Topeka 3810 -987

limestone, light gray to white, chalky fossilierous to bioclastic, grainy, poor visible porosity, no shows, abundant chalk, some white scattered cherts, no shows

3820

3840

as above

3860

limestone, mixed gray bioclastic to fossiliferous, some large clasts, grainy, with cream, chalky bioclastic to fossiliferous, some dark gray fossiliferous chert, abundant chalk, no shows

3880

3900

limestone, mixed white to gray, chalky, fossiliferous, poor visible porosity, no shows, abundant chalk in samples

3920

3940

3960

as above

0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16

0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

Lecompton
as above

limestone, light gray to light tan, crypto-microcrystalline, slightly fossiliferous, chalky to dense, some brown organic flecks, no shows

limestone, mixed fossiliferous to bioclastic, grainy, chalky, with flood chalk in samples, 30-40%

mixed gray fossiliferous, dense, some chalky, grainy, marked decrease in chalk, no shows

Heebner 4146 -1323
shale, black carbonaceous

limestone, dolomitic, gray, cryptocrystalline, grainy bioclastic to sub-sucrosic, weathered to dense, flood chalk appx 40%, with chert, scattered boney white weathered to fresh frosted gray fossiliferous, no shows

Douglas 4183 -1360
shale, mixed gray to green, some fossiliferous

limestone, gray to tan, microcrystalline, dense, slighty fossiliferous, arenaceous, some brown chert

soft gray pyritic shale, heavy gray wash

Lansing 4250 -1427
limestone, white to light gray, micro-cryptocrystalline, fossiliferous to lithographic, some secondary calcite crystals, chalky in part, poor visible porosity, no shows, with: chalk and white/gray spiculitic chert

as above, some grainy bioclastic with pinpoint porosity, no shows, marked increase in chalk from above

limestone, gray, cryptocrystalline, lithographic to fossiliferous, dense, with: limestone, white to light gray, microcrystalline, chalky, fossiliferous, no shows, abundant chalk in samples

Mud-Co Mud Ck
@ 4311'
0915 hrs
1/24/12
vis 51 wt 9.2
pv 16 yp 19
wl 3.5 cake 1/32
pH 10.0
chl 2300
cal 40
sol 6.4 lcm2#
dmc $2250.70
cmc $12880.55

limestone, mixed non-despcript fossiliferous to bioclastic, poor visible porosity, abundant chalk, no shows

mixed gray and brown fossiliferous limestone, gray silty shales, abundant dark gray to black cherts

limestone, gray to brown mottled, and cream to light gray, grainy, weathered, some chalky, fossiliferous to bioclastic, poor visible porosity, no shows

limestone, cream, oolitic to oomoldic, some good oomold porosity, no shows, fair even light green fluoresence, with: limestone, white to cream and light gray, fossiliferous to bioclastic, very chalky, no shows or fluoresence, abundant chalk in samples

mixed non-descript fossiliferous limestones, mixed shales and some scattered chert, abundant chalk

mixed chalky fossiliferous limestone, with some scattered light gray oomoldic limestone, fair porosity, no shows

limestone, cream, fossiliferous, chalky, some gray limey shale to shaley lime, pyritic, light gray blocky fresh chert, some chalk

limestone, mixed non-descript fossiliferous, some chalk and gray blocky chert, some pyritic, no shows

fresh air re-zero

as above, some limestones are pyritic, some loose pyrite nodules

as above with influx limestone, cream to white, microcrystalline, bioclastic, chalky, poor visible porosity, no shows or fluoresence, flood chalk

0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16

SC scale change

0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16

4580 4600 4620 4640 4660 4680 4700 4720 4740 4760 4780 4800 4820 4840 4860 4880 4900 4920 4940 4960 4980 5000 5020 5040 5060 5080 5100 5120 5140 5160

DST #1 STRADDLE

cfs @ 5109 ft
0635 hrs 1/26/12

rough drilling

cfs @ 5147 ft
0925 hrs 1/26/12

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

limestone, mixed non-descript fossiliferous, dense - abundant light gray arenaceous, pyritic, scattered chert and chalk, no shows

Stark Shale 4606 -1783

shale, black carbonaceous

shale, gray, silty to limey, pyritic

limestone, gray to light gray, cryptocrystalline, dense, arenaceous to lithographic, some fossiliferous, trace pyritic, no shows

shale, black carbonaceous

limestone, light gray, oolitic to bioclastic, dense with some small solution vugs, some chalk, no shows

limestone, gray, dolomitic, fossiliferous, microcrystalline, dense

limestone, black to dark gray, cryptocrystalline, dense with black and gray shales, mostly dense and limey

limestone, gray, mottled, pelletal to oolitic/bioclastic, chalky to weathered, influx chalk, poor visible porosity, no shows

grading to: limestone, gray, mottled, pelletal to fossiliferous, dense, trace pyritic

limestone, dark gray to black, slightly fossiliferous, argillaceous, dense cherty, with dark gray argillaceous limey shale, streaks limestone as above

shale, gray to dark gray and black, soft and silty to dense and limey

Marmaton 4747 -1924

limestone, cream to gray and tan, microcrystalline, fossiliferous, trace oolitic, chalky to dense mix, with cream limestone, smooth compact lithographic, poor overall visible porosity, no shows, abundant chalk

limestone, cream, microcrystalline, fossilifeous to spiculitic, with limestone, cream, cryptocrystalline, dense, lithographic, no shows

limestone, cream to light gray, microcrystalline, fossiliferous, dense, oolitic to pelletal, grainy, abundant chalk, poor visible porosity, no shows

as above, grading to white and cream bioclastic

limestone, mixed fossiliferous, with flood shale, green, brown, black carbonaceous

black carconaceous shale

Pawnee 4840 -2017

limestone, white to cream, cryptocrystalline, chalky fossiliferous to bioclastic, poor visible porosity, abundant chalk, scattered weathered cherts, fossiliferous, slight fluoresence, no shows

limestone, gray to cream, microcrystalline, fossiliferous to pelletal, grainy, poor overall porosity, some chalk, no shows

Cherokee 4886 -2063

limestone, mixed gray to cream and tan, chalky, fossiliferous, abundant gray and black shales, with chert, fossilifeorus (bryozoans) to gray smokey, no shows

grading to gray/brown limestones, fossiliferous to pelletal and oolitic, chalky to cherty, some chalk, shales, green to gray and black, limey to silty

limestone, mixed gray to tan, fossilifeorus, crypto-microcrystalline, fossiliferous to lithographic, with appx 50% shales, black to gray, limey to argillaceous and silty, some fossiliferous, trace chert, no show or fluoresence

limestone, light gray to gray and cream, fossiliferous to arenaceous, some very dolomitic and grainy, marked decrease in shales, no shows or fluoresence

limestone, gray to brown and tan, cryptocrystalline, fossiliferous, dense, cherty, with limestone as above, dark gray shales, some pyrite nodules, no shows or fluoresence

limestone, mixed tan to gray fossilifeorus, chalky to dense, fossilifeorus, crypto-microcrystalline, no shows

as above

limestone, gray to tan, microcrystalline, dense cherty to chalky, some bryozoan frags, with chert, brown to gray translucent, fossiliferous, bryozoans, no shows

limestone, brown to gray, cryptocrystalline, fossiliferous, cherty, dense, with limestone, dark gray to black, microcrystalline, lithographic, cherty and dense, no shows, influx dark green to gray grainy fossiliferous shale

5080 sample, limestone as above with light to bright green shales, silty, some soft, mushy, some dark green siltstone - 5090 sample, green shale drops out, limestone, dark gray, fossiliferous to lithographic, dense, with limestone, gray mottled, fossiliferous, sandy, glaucontic, dense to chalky, one piece with dead brown stain, no show free oil, no odor or fluoresence

INOLA limestone, brown to gray, micro-cryptocrystalline, slightly fossiliferous, some small vugs and fractures, fair odor, slowly bleeding heavy free oil, fair show free oil in tray, no fluoresence, excellent cut

Morrow Sand 5091 -2268

sandstone, quartz, pale green with spotty stain to brown saturated stain, very fine grain, rounded to well rounded, well cemented, fair sorting, slight show free oil, fair odor, no fluoresence, good cut

grades to shale, gray, soft, silty, heavy gray wash, some sandstone stringers as above with slight staining

a.a., some pyrite nodules, some clusters fine to med. grain sandstone, shaley, friable, barren

sandstone, mixed, very fine to medium grain, rounded to angular, poorly sorted, mostly well cemented, some very pyritic, barren, with: brown fossiliferous sandy limestone, abundant chalk

Mississippian 5137 -2314

limestone, brown to cream, crypto-microcrystalline, fossiliferous to lithographic, with green cryptocrystalline lithographic, abundant soft green shale, scattered chert

as above, with (5160 sample) abundant light gray and green shales, pelletal in part, some white sandy limestone to very fine grain homogeneous limey sandstone

limestone, white to pale green, very sandy, to very fine grained sandstone, well cemented, overall barren to spotty to sat, brn-blk-gry

shale gas kick

Mud-Co Mud Ck
@ 4807'
0850 hrs 1/25/12
vis 46 wt 9.3
pv 14 yp 16
wl 8.0 cake 1/32
pH 10.5
chl 2300
cal 40
sol 7.2 lcm 2#
dmc $2338.75
cmc $15219.30

shale gas kick

shale gas kick

shale gas kick

short trip @ 5040 ft, 2310 hrs, 1/2512

36 unit total

Mud-Co Mud Ck
@ 5109'
0730 hrs 1/26/12
vis 50 wt 9.2
pv 16 yp 18
wl 7.2 cake 1/32
pH 9.5
chl 1900
cal 40
sol 6.4 lcm 3#
dmc $1786.75
cmc $17006.05

strap 0.32 ft short to board deviation survey 3/4 deg.

staining, no odor, no odor, no fluoresence, fair cut

flood red, green and gray shale, heavy red wash in samples, with limestone and sand stringers as above, mostly barren, scattered staining

Mud-Co Mud Ck
@ 5186'
0815 hrs 1/27/12
vis 51 wt 9.2
pv 18 yp 16
wl 5.6 cake 1/32
pH 9.0
chl 3000
cal 40
sol 6.2 lcm 2#
dmc $1137.15
cmc $18143.20

0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16

0 Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

St. Gen

limestone, white to light gray, very sandy, poor overall visible porosity, spotty light brown stained to black saturated stain, some very friable, sheen of free oil on break, possible fleeting odor, poor fluoresence, good cut only on saturated stain samples

5230 sample, as above, slight increase in staining, some sheen on water in tray, still carrying abundant shales

as above, staining drops out, some chalk, some glauconitic, with some light gray to tan crypocrystalline flattened oolitic, influx chalky sandy oolitic, with some white mature oolitic, sand grains are well rounded quartz, some glauconite, no shows

increasing oolitic

mixed sandy, oolitic and sandy oolitic as above

DST #2

limestone, white, oolitic, mature, chalky, poor overall visible porosity, some fair interoolite staining, some slight oil bleeding, few pieces cryptocrystalline, dense oolitic, some pinpoint vugs, bleeding oil, gassy on break, strong odor in wet samples, faint fluoresence, fair cut, abundant chalk, heavy white wash, trace gray chert

Mud-Co Mud Ck
@ 5300'
1245 hrs 1/28/12
vis 57 wt 9.0
pv 20 yp 18
wl 4.8 cake 1/32
pH 9.5
chl 2000
cal 20
sol 4.9 lcm 4#
dmc $2043.20
cmc $20186.40

cfs @
5296 ft
1735 hrs
1/27/12

limestone, light gray to gray, microcrystalline, argillaceous to fossiliferous, dense, with abundant smokey gray fossiliferous chert, no shows

trip gas from DST #1

limestone, light gray to tan and cream, mature oolitic, very chalky, overall no visible porosity, found 4 specimens with light black/brown interoolite stain, some pinpoint porosity, no show oil, fleeting odor, no fluoresence, faint cut, flood chalk in samples

possible trip recycles

cfs @
5325 ft
1435 hrs
1/28/12

limestone, gray to cream chalky oolitic, mature, poor visible porosity, some glauconitic, some sandy, with limestone, gray, cryptocrystalline flattened oolitic, dense, some glauconitic, no shows, with moderate chalk, trace chert

as above

Rotary TD 5375 ft @ 2105 hrs 1/28/12

5180
5200
5220
5240
5260
5280
5300
5320
5340
5360
5380

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

Kansas
Corporation Commission

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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

May 08, 2012

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

Re: ACO1
API 15-069-20360-00-00
EMERY JOSSERAND 1-5(SE)
SE/4 Sec.05-28S-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