OPERATOR

Falcon Exploration, Inc. Company: Address: 125 N. Market **Suite 1252**

Kansas

Wichita, KS 67202 Contact Geologist: Brian Fisher

Contact Phone Nbr: 316-262-1378

State:

Well Name: Fredrick Goossen #1-27 (NE)

Sec. 27 - T28S - R30W Location: API: 15-069-20380-00-00 Field: Pool: Wildcat

Scale 1:240 Imperial

Country:

Time:

To:

USA

07:15

4275.00ft

Fredrick Goossen #1-27 (NE) Sec. 27 - T28S - R30W

Surface Location: **Bottom Location:**

Well Name:

15-069-20380-00-00 API:

License Number: Spud Date: 7/17/2012

Region: **Gray County Drilling Completed:** Time: 7/24/2012 10:05

Surface Coordinates: 2490' FNL & 2490' FEL **Bottom Hole Coordinates:**

Ground Elevation: 2757.00ft

K.B. Elevation: 2770.00ft Logged Interval: 2600.00ft Total Depth: 4275.00ft

Formation: Stotler - Lansing Chemical/Fresh Water Gel Drilling Fluid Type:

SURFACE CO-ORDINATES

Well Type: Vertical

Latitude: Longitude: 2490' FNL N/S Co-ord:

E/W Co-ord: 2490' FEL

LOGGED BY

Ted Pfau Consulting Geologist

Company: Keith Reavis, Inc. Address: 3420 22nd Street Great Bend, KS 67530

Phone Nbr: 913-461-3006 Logged By: Geologist Name: Ted Pfau

CONTRACTOR

mud rotary

Contractor: Sterling Drilling Company Rig #:

Rig Type: Spud Date: 7/17/2012 Time: 07:15 TD Date: 7/24/2012 Time: 10:05

Rig Release: Time:

ELEVATIONS

K.B. Elevation: 2770.00ft **Ground Elevation:** 2757.00ft K.B. to Ground: 13.00ft

NOTES

A Tooke Daq gas detection system owned by Sterling Drilling Company was employed on this well. ROP and gas data were imported into this geological report.

Due to positive gas kicks and electrical log analysis, it was determined that 5 1/2" production casing be set to 2880' and the Winfield and Fort Riley be further tested through perforations and stimulation.

Samples were saved and will be available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS.

Respectfully submitted, Ted Pfau

Falcon Exploration. Inc daily drilling report

DATE	7:00 AM DEPTH	REMARKS
07/20/2012	1970	Geologist Ted Pfau on location @ 1735 hrs, 2561 ft., start logging at 2600' Drilling ahead through Chase, Winfield, Towanda, Fort Riley
07/21/2012	3004	drilling ahead through Fort Riley, Cottonwood, Neva, Red Eagle, Stotler CFS @ 3507' 2350 hrs
07/22/2012	3525	CFS @ 3525' 0130 hrs, gas kicks warrant DST, short trip, CTCH 45min TOH w/bit, TIH with tools, conducting DST #1, 5-90-120-240 TOH w/tool at 1800 hrs, recovered mud and water, TIH
07/23/2012	3661	Resume drilling 0005 hrs, CFS 3588' 0235 hrs, resume drilling Tarkio Drilling through Topeka, Lecompton
07/24/2012	4235	Drilling ahead through Heebner, Douglas, Lansing, TD 4275' @ 1005 hrs short trip, TOH for e-logs, e-logs start 1600 hrs, complete 1950 hrs Geologist released 2215 hrs, off location 2315 hrs

Falcon Exploration, Inc. well comparison sheet

COMPARISON WELL

27/28S/30W/Gray

Tester:

Unit No:

Time On Btm:

Time Off Btm:

Pressure

(psia)

DST#: 1

Test Type: Conventional Bottom Hole (Initial)

2012.07.22 @ 10:21:30 2012.07.22 @ 18:03:30

PRESSURE SUMMARY

0.13

4.46

(deg F)

Annotation

Ken Sw inney 3325 Hugoton/112

	Fredrick Gossen #1-27 2490' FNL & 2490' FEL Sec 27 T28S R30W				Falcon - Esau #1-22 977' FSL & 1875' FEL Sec 22 T28S R30W Structural 2785 KB Relationship			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea		Log
Chase Group	2620	150	2620	150	2638	147	3	3
Winfield	2695	75	2691	79	2708	77	-2	2
Towanda	2745	25	2742	28	2752	33	-8	- 5
Fort Riley	2800	-30	2787	-17	2803	-18	-12	1
Cottonwood	3068	-298	3063	-293	3074	-289	-9	-4
Neva	3121	-351	3113	-343	3130	-345	-6	2
Red Eagle	3168	-398	3156	-386	3176	-391	-7	5
Foraker	3235	-465	3230	-460	3241	-456	-9	-4
Stotler	3480	-710	3478	-708	3480	-695	-15	-13
Tarkio	3558	-788	3550	-780	3550	-765	-23	-15
Topeka	3751	-981	3750	-980	3751	-966	-15	-14
Lecompton	3955	-1185	3962	-1192	3946	-1161	-24	-31
Heebner	4097	-1327	4094	-1324	4106	-1321	-6	-3
Douglas Shale	4137	-1367	4139	-1369	4146	-1361	-6	-8
Lansing	4199	-1429	4197	-1427	4216	-1431	2	4
Total Depth	4275	-1505	4272	-1502	4324	-1539	34	37

DRILLING WELL

GENERAL INFORMATION: Formation: Stotler

Falcon Exploration Incorperated

DRILL STEM TEST REPORT

125 North Market Fredrick Goossen1-27 Suite 1252 Job Ticket: 17665 Wichita, Kansas 67202+1719

ATTN: Ted Pfau Test Start: 2012.07.22 @ 08:03:00

20:32:00

(Min.)

Deviated: No Whipstock: Time Tool Opened: 10:25:00 Time Test Ended: 00:26:00

Interval: 2770.00 ft (KB) 3454.00 ft (KB) To 3525.00 ft (KB) (TVD) Reference Bevations: 2757.00 ft (CF)

Total Depth: 3525.00 ft (KB) (TVD) KB to GR/CF: 13.00 ft Hole Diameter: 7.88 inches Hole Condition: Fair

ft (KB)

End Time:

Serial #: 6999 Outside Press@RunDepth: 3522.37 ft (KB) 935.54 psia @ 5000.00 psia Capacity: Last Calib .: Start Date: 2012.07.22 End Date: 2012.07.22 2012.07.22

TEST COMMENT: 1ST Open

08:04:00

Pressure vs. Time

Start Time:

90.00

0.00

0.00 0.00 Slightly gassy Mud

5 Mintues/Strong blow /Blow to bottom of bucket in 1 minute 1ST Shut In 90 Mintues/Blow back built to 1 inch 2ND Open 120 Mintues/Strong blow /Blow to bottom of bucket in 2 minutes/Gas to surface in 66 minutes 2ND Shut In 240 Minutes/Blow back built to 10 inches

1500	*	34	0	1651.67	104.38	Initial Hydro-static	
		7 "	4	76.45	104.06	Open To Flow (1)	
EMO .			8	96.35	104.02	Shut-In(1)	
			98	950.57	104.59	End Shut-In(1)	
€ 1000 E			99	117.90	104.43	Open To Flow (2)	
2 20			219	281.82	104.54	Shut-In(2)	
E 20			461	935.54	104.69	End Shut-In(2)	
l E		1 1 3	462	1532.89	104.82	Final Hydro-static	
700		<u> </u>					

250 A DIZ	CSM SM Thru (Azara)	77				
	Recovery			Gas Ra	tes	
Length (ft)	Description	Volume (bbl)		Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
360.00	Slightly gassy Muddy Water	2.04	First Gas Rate	0.13	3.00	1.12
0.00	Gas 5% Mud 20% Water 75%	0.00	Last Gas Rate	0.13	4.46	1.67

1.26

Gas 2% Mud 98% 0.00 Recovery Chlorides 95000 ppm 0.00 Recovery Resist. .18 ohms @ 92 deg.

Max. Gas Rate







