

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1239488

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 #			API No. 15		
Name:			Spot Description:		
Address 1:			Sec	TwpS. R	East West
Address 2:			F6	eet from North /	South Line of Section
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:
Phone: ()			□ NE □ NW	V □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	, Long: _	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	W	/ell #:
	e-Entry	Workover	Field Name:		
	_		Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:	:
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet
Operator:			If Alternate II completion, c	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:					
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
☐ Plug Back	Conv. to G		(Data must be collected from the		
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls
Dual Completion			Dewatering method used: _		
SWD			Location of fluid disposal if	hauled offsite	
☐ ENHR					
GSW	Permit #:		Operator Name:		
_ _			Lease Name:	License #:_	
Spud Date or Date R	eached TD	Completion Date or	QuarterSec	TwpS. R	East _ West
Recompletion Date		Recompletion Date	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						

Page Two



Operator Name:				Lease N	Name: _			Well #:		
Sec Twp	S. R	East	West	County	i					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ing and shut-in pressu	ires, whet	her shut-in pre	ssure reacl	ned stati	c level, hydrosta	tic pressures, bott			
Final Radioactivity Log files must be submitte						gs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital ele	ectronic log
Drill Stem Tests Taken (Attach Additional S		Ye	s No		L		n (Top), Depth an			nple
Samples Sent to Geol	ogical Survey	Ye	s No		Nam	е		Тор	Dat	um
Cores Taken Electric Log Run		☐ Ye ☐ Ye								
List All E. Logs Run:										
			CASING	RECORD	Ne	w Used				
		Repor	t all strings set-c	conductor, su	rface, inte	ermediate, producti	on, etc.			
Purpose of String	Size Hole Drilled		Casing (In O.D.)	Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used	Type and Addi	
			ADDITIONAL	CEMENTIN	IG / SQL	JEEZE RECORD				
Purpose: Perforate Protect Casing Plug Back TD	Depth Top Bottom	Туре	of Cement	# Sacks	Used	Type and Percent Additives				
Plug Off Zone										
	ulic fracturing treatment or otal base fluid of the hydra ing treatment information	aulic fractu	J	,	U	? Yes	No (If No, ski	p questions 2 ar p question 3) out Page Three)
Shots Per Foot			D - Bridge Plug ach Interval Perf				cture, Shot, Cement mount and Kind of Ma		d	Depth
TUBING RECORD:	Size:	Set At:		Packer At		Liner Run:				
TOBING NECOND.	Size.	Sel Al.		racket At		Liller Rull.	Yes No			
Date of First, Resumed	Production, SWD or ENH	IR.	Producing Meth	nod:	g	Gas Lift C	other (Explain)			
Estimated Production Per 24 Hours	Oil B	bls.	Gas	Mcf	Wate	er Bl	ols. G	as-Oil Ratio	(Gravity
DISPOSITIO	ON OF GAS:		N	METHOD OF	COMPLE	ETION:		PRODUCTION	ON INTERVAL	<u>.</u>
Vented Sold			pen Hole	Perf.		Comp. Con	nmingled mit ACO-4)			
(If vented, Sub	omit ACO-18.)		ther (Specify)		(SUDMIK)	-00-0) (SUDI	IIII ACO-4)			

Conservation Division 266 N. Main St., Ste. 220 Wichita, KS 67202-1513



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

Sam Brownback, Governor

Shari Feist Albrecht, Chair Jay Scott Emler, Commissioner Pat Apple, Commissioner

January 20, 2015

Robert Williams Southwind Petroleum Corp. 1400 W 14TH ST WICHITA, KS 67203-2901

Re: ACO-1 API 15-165-22080-00-00 Dirks 27-1 NE/4 Sec.27-19S-16W Rush County, Kansas

Dear Robert Williams:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 7/21/2014 and the ACO-1 was received on January 20, 2015 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

QUALITY OILWELL CEMENTING, INC. Federal Tax 1.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041	F	lome Office	P.O. B	ox 32 Ru	ussell, KS 67665	No.	096
Date 7-22-14 Se	c. Twp.	Range		County	State K S	On Location	Finish 1, 30 PM
			•	on Grea	+ Bend Ks -	West side on !	CTL Sheet 14W
Lease D', cKS		Well No. 2	7-1	Owner to	380 Rd, 3N	with	
Contractor Mustin H				To Quality	Oilwell Cementing, In		t and furnish
Type Job Su force				cementer a	and helper to assist o	wner or contractor to de	work as listed.
Hofe Size 121/411	T.D.	1105'		Charge S	buth wind	Potrokum	
Csg. 85/8"	Depth	11031		Street 140	14th west 14th		
Tbg. Size	Depth			City Wit	hita Ks	State K5 6	7203
Tool	Depth			The above v	vas done to satisfaction	and supervision of owner	agent or contractor.
Cement Left in Csg. 411	Shoe J	oint 41'			nount Ordered 🔾 🐧		%CC 2% Gel
Meas Line	Displac	e 67 3/4	BLS	YUH FI	·sen		e .
EQU	IPMENT			Common 4	425		
Pumptrk No. Cementer Helper	3:114		_	Poz. Mix			* ,
Bulktrk 4 No. Driver Dr.	- T		_	Gel. G			
Bulktrik D.U. No. Driver 100	*,			Calcium /	5		A .
JOB SERVIC	ES & REMA	RKS		Hulis			
Remarks: Coment did	C	5, whate		Salt			
Rat Hole				Flowseal	106tt		
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 4	18		•
Baskets				CFL-117 or	CD110 CAF 38		
D/V or Port Collar				Sand	and the second		
S			A	Handling	149		
			le de	Mileage			
					FLOAT EQUIP	#ENT	
	9983 3 3 5 F			Guide Shoe	Balfle	0/078	
				Centralizer	Rubber 5	Nua	
, and a				Baskets)		
	astrong,			AFU Inserts	5	g jere. Si j	* .
	27.28			Float Shoe			
		80 40: 1885 30		Latch Dowr	77 98 -8 96 1		
	*				at 1)3		
			47				
				Pumptrk Ci	narge Lug S	inface	
				Mileage /	15	F. 38. 12.	
						Tax	
		^				Discount	
X Signature Q 7	De A	<u>V</u>				Total Charge	
J						·•	

QUALIT	TY OILWEI	L CEMENTING, INC	
Phone 785-483-2025 Cell 785-324-1041	Home Office P.O. E	32 Hussell, No 57 555	321
Date 7-26-14 27	Twp. Range 19	County State Son Location 1	Finish COPP
ease Dirks	Well No. 27-	Owner 14W to 330BD 12 N	Wink
Contractor Michin Type Job Long String	16	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and cementer and helper to assist owner or contractor to do wo	d furnish ork as listed
Hole Size 718	T.D. 3901 Depth	Charge To Control	Pum
Osg. Declaration	Depth	City State	
Cool Coment Left in Csg. J 4+	Shoe Joint Shoe Joint	The above was done to satisfaction and supervision of owner age Cement Amount Ordered 75 (())	Sz. /X
feas Line EQUIPM LC No [Cementer] 20.	Displace 94.5000	Common / 75	
Pumptrk 1 1 Helper 17 No. Driver Driver C	uly	Poz. Mix Gel. 3	y 5
Bulktrk PG No. Driver CG JOB SERVICES	& REMARKS	Calcium HOL 10 BBL 2 Co	e .
Remarks:		Salt /6 Flowseal	
Nouse Hole 2054		Kol-Seal	
Centralizers $1 - 5 - 7 - 9 - 9$ Haskets # 17	1-16	Mud CLR 48	
ON or Port Collar Dende 1 Pall	Circlestrol	Sand Handling 194	
20 pm Ru	n Mud Rut Moise	Mileage FLOAT EQUIPMENT	
whe miles	12354 DEN.	Guide Shoe	

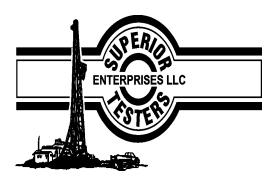
P A A N C B D Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount Signature Jun Mi Tea Total Charge

2015-01-21 13:31

316 267 3741

Page 1





Prepared For: Southwind Petroleum Corperation

1400 West 14th Street Wichita, Kansas 67203+2901

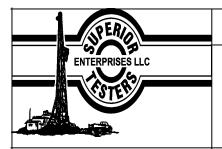
ATTN: Bob Williams

Dirks #27-1

27/19S/16W/Rush

Start Date: 2014.07.26 @ 07:57:00 End Date: 2014.07.26 @ 13:22:00 Job Ticket #: 18274 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902



Southwind Petroleum Corperation

1400 West 14th Street

Wichita, Kansas

67203+2901 ATTN: Bob Williams 27/19S/16W/Rush

Dirks #27-1

Tester:

Job Ticket: 18274

DST#: 1

Test Start: 2014.07.26 @ 07:57:00

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:30 Time Test Ended: 13:22:00

Interval: 3748.00 ft (KB) To 3775.00 ft (KB) (TVD)

Total Depth: 3775.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair Test Type: Conventional Straddle (Initial)

Ken Sw inney 3325 Great Bend/32

Unit No:

Reference Elevations: 2054.00 ft (KB)

2049.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6749 Inside

413.92 psig @ Press@RunDepth: 3764.00 ft (KB) Capacity: 5000.00 psig

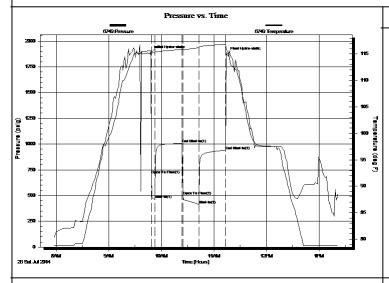
Start Date: 2014.07.26 End Date: 2014.07.26 Last Calib.: 2014.07.26 Start Time: 07:57:00 End Time: 13:22:00 Time On Btm: 2014.07.26 @ 09:48:00

Time Off Btm: 2014.07.26 @ 11:15:00

TEST COMMENT: 1ST Open 5 Minutes/Strong blow/Blow built to bottom of bucket in 15 seconds/Gas to surface in 1 minute

1ST Shut In 30 Minutes/No blow back after gas pressure bleed off 2ND Open 20 Minutes/Stong blow /Blow at bottom of bucket at open

2ND Shut In 30 Mintues/Blow back built to 1/4 inch



Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1884.66	115.57	Initial Hydro-static
1	704.28	115.19	Open To Flow (1)
5	464.29	115.21	Shut-In(1)
36	1004.99	115.85	End Shut-In(1)
37	501.30	115.76	Open To Flow (2)
55	413.92	116.22	Shut-In(2)
86	939.93	116.85	End Shut-In(2)
87	1869.85	115.58	Final Hydro-static

Recovery

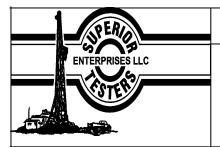
Length (ft)	Description	Volume (bbl)
45.00	Oily Mud/Oil 10% Mud 90%	0.36
-		·

Ref. No: 18274

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	44.83	1702.79
Last Gas Rate	1.50	21.60	2200.99
Max. Gas Rate	1.00	44.83	1702.79

Printed: 2014.07.26 @ 13:39:23



Southwind Petroleum Corperation

Dirks #27-1

1400 West 14th Street Wichita, Kansas

Job Ticket: 18274

27/19S/16W/Rush

DST#: 1

ATTN: Bob Williams

67203+2901

Test Start: 2014.07.26 @ 07:57:00

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: Test Type: Conventional Straddle (Initial) No Whipstock: ft (KB)

Time Tool Opened: 09:48:30 Time Test Ended: 13:22:00 Tester: Ken Sw inney Unit No: 3325 Great Bend/32

3748.00 ft (KB) To 3775.00 ft (KB) (TVD)

2054.00 ft (KB) Reference Elevations:

Total Depth: 3775.00 ft (KB) (TVD) 2049.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6838 Press@RunDepth:

Interval:

Outside

939.00 psig @

3764.00 ft (KB)

Capacity:

5000.00 psig

Start Date: 2014.07.26 End Date: 2014.07.26 Last Calib.: Time On Btm: 2014.07.26

Start Time: 07:57:00 End Time: 13:21:00

Time Off Btm: 2014.07.26 @ 11:14:30

2014.07.26 @ 09:47:30

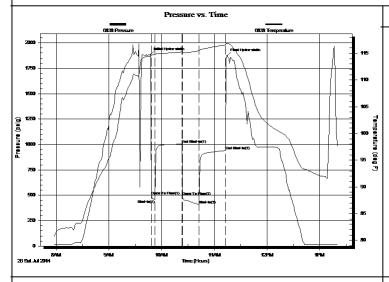
TEST COMMENT: 1ST Open

5 Minutes/Strong blow/Blow built to bottom of bucket in 15 seconds/Gas to surface in 1 minute

1ST Shut In 2ND Open

30 Minutes/No blow back after gas pressure bleed off 20 Minutes/Stong blow /Blow at bottom of bucket at open

2ND Shut In 30 Mintues/Blow back built to 1/4 inch



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1884.24	114.44	Initial Hydro-static
1	498.53	114.49	Open To Flow (1)
5	458.32	114.75	Shut-In(1)
36	1003.22	115.25	End Shut-In(1)
37	493.24	115.09	Open To Flow (2)
55	408.72	115.46	Shut-In(2)
86	939.00	116.56	End Shut-In(2)
87	1871.65	116.89	Final Hydro-static

Recovery

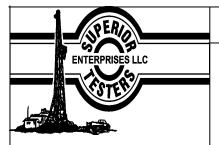
Length (ft)	Description	Volume (bbl)
45.00	Oily Mud/Oil 10% Mud 90%	0.36
-		·

Ref. No: 18274

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	44.83	1702.79
Last Gas Rate	1.50	21.60	2200.99
Max. Gas Rate	1.00	44.83	1702.79

Printed: 2014.07.26 @ 13:39:23



Southwind Petroleum Corperation

Dirks #27-1

1400 West 14th Street Wichita, Kansas

Job Ticket: 18274

27/19S/16W/Rush

DST#:1

ATTN: Bob Williams

67203+2901

Test Start: 2014.07.26 @ 07:57:00

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Initial)

Time Tool Opened: 09:48:30 Time Test Ended: 13:22:00 Tester: Ken Sw inney

Unit No: 3325 Great Bend/32

Interval: 3748.00 ft (KB) To 3775.00 ft (KB) (TVD)

Reference Elevations: 2054.00 ft (KB)

Total Depth: 3775.00 ft (KB) (TVD)

 $\begin{tabular}{lll} 2049.00 & ft (CF) \\ KB to GR/CF: & 5.00 & ft \end{tabular}$

Hole Diameter: 7.80 inches Hole Condition: Fair

Serial #: 6663 Below (Straddle)

Press@RunDepth: psig @ 3890.02 ft (KB) Capacity: 5000.00 psig

 Start Date:
 2014.07.26
 End Date:
 2014.07.26
 Last Calib.:
 2014.07.26

 Start Time:
 07:42:00
 End Time:
 13:20:30
 Time On Btm:
 2014.07.26 @ 09:47:30

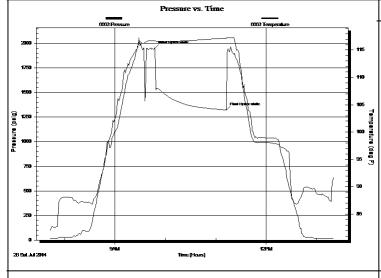
Time Off Btm: 2014.07.26 @ 11:13:00

PRESSURE SUMMARY

TEST COMMENT: 1ST Open 5 Minutes/Strong blow/Blow built to bottom of bucket in 15 seconds/Gas to surface in 1 minute

1ST Shut In 30 Minutes/No blow back after gas pressure bleed off 2ND Open 20 Minutes/Stong blow/Blow at bottom of bucket at open

2ND Shut In 30 Mintues/Blow back built to 1/4 inch



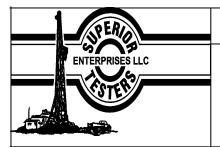
Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1947.92	116.69	Initial Hydro-static
86	1323.38	117.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Oily Mud/Oil 10% Mud 90%	0.36
-	+	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	44.83	1702.79
Last Gas Rate	1.50	21.60	2200.99
Max. Gas Rate	1.00	44.83	1702.79



TOOL DIAGRAM

Southwind Petroleum Corperation

27/19S/16W/Rush

1400 West 14th Street Wichita, Kansas 67203+2901

Job Ticket: 18274

Dirks #27-1

DST#: 1

0.00 ft

ATTN: Bob Williams

Test Start: 2014.07.26 @ 07:57:00

Printed: 2014.07.26 @ 13:39:23

Tool Information

Drill Pipe: Length: 3715.00 ft Diameter: 3.80 inches Volume: 52.11 bbl Tool Weight: 2000.00 lb 0.00 inches Volume: 0.00 bbl Heavy Wt. Pipe: Length: 0.00 ft Diameter: Weight set on Packer: 20000.00 lb Drill Collar: Length: 30.00 ft Diameter: 2.25 inches Volume: 0.15 bbl Weight to Pull Loose: 70000.00 lb Total Volume: 52.26 bbl Tool Chased

Drill Pipe Above KB: 13.95 ft String Weight: Initial 55000.00 lb Depth to Top Packer: 3748.00 ft Final 58000.00 lb 3893.02 ft

Depth to Bottom Packer: Interval between Packers: 145.02 ft 161.97 ft Tool Length:

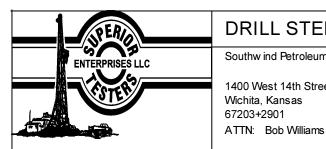
3 Diameter: Number of Packers: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3736.05		
Hydraulic tool	5.00			3741.05		
Top Packer	5.00			3746.05		
Packer	1.95			3748.00	16.95	Bottom Of Top Packer
Perforations	6.00			3754.00		
Handling Sub	5.00			3759.00		
Perforations	5.00			3764.00		
Recorder	0.00	6749	Inside	3764.00		
Recorder	0.00	6838	Outside	3764.00		
Blank Off Sub	0.68			3764.68		
Travel Collar	1.74			3766.42		
Packer Test Side	1.60			3768.02		
Packer Tail Side	1.50			3769.52		
Perforations	19.00			3788.52		
Change Over Sub	0.66			3789.18		
Drill Pipe	95.06			3884.24		
Change Over Sub	0.78			3885.02		
Perforations	5.00			3890.02		
Recorder	0.00	6663	Below	3890.02		
Bullnose	3.00			3893.02	145.02	Anchor Tool

Total Tool Length: 161.97

Ref. No: 18274



FLUID SUMMARY

Southwind Petroleum Corperation

27/19S/16W/Rush

1400 West 14th Street

Dirks #27-1

Wichita, Kansas 67203+2901

Job Ticket: 18274 DST#: 1

Test Start: 2014.07.26 @ 07:57:00

Mud and Cushion Information

Mud Type: Mud Weight: lb/gal Cushion Type: Oil API: Cushion Length: ft

Water Salinity:

deg API

Viscosity: sec/qt Cushion Volume: Gas Cushion Type:

ppm

Water Loss: in³ Resistivity: ohm.m

Gas Cushion Pressure:

psig

Serial #:

bbl

Salinity: ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Oily Mud/Oil 10% Mud 90%	0.358

45.00 ft Total Volume: 0.358 bbl Total Length:

Num Fluid Samples: 0 Num Gas Bombs: 0

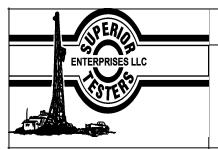
Ref. No: 18274

Laboratory Name: Laboratory Location:

Recovery Comments:

Superior Testers Enterprises LLC

Printed: 2014.07.26 @ 13:39:23



GAS RATES

Southwind Petroleum Corperation

1400 West 14th Street

Wichita, Kansas

67203+2901 ATTN: Bob Williams 27/19S/16W/Rush

Dirks #27-1

Job Ticket: 18274

DST#:1

Test Start: 2014.07.26 @ 07:57:00

Printed: 2014.07.26 @ 13:39:23

Gas Rates Information

Temperature: 59 (deg F)

Relative Density: 0.65 Z Factor: 0.8

Gas Rates Table

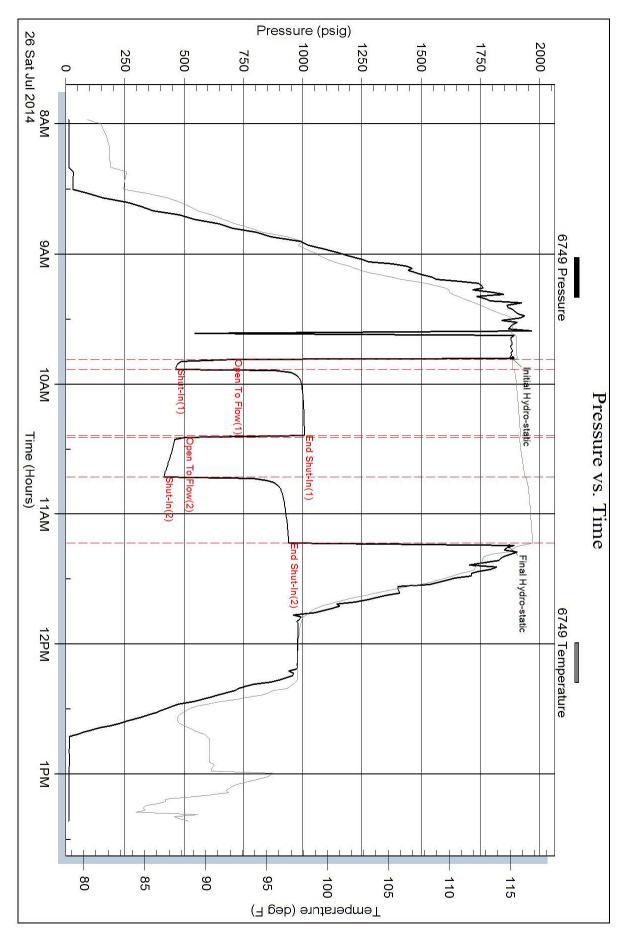
Ref. No: 18274

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	5	1.00	44.83	1702.79
2	5	1.50	20.00	2103.16
2	10	1.50	23.25	2301.86
2	15	1.50	21.60	2200.99
2	20	1.50	21.60	2200.99

Printed: 2014.07.26 @ 13:39:23

Serial #: 6749

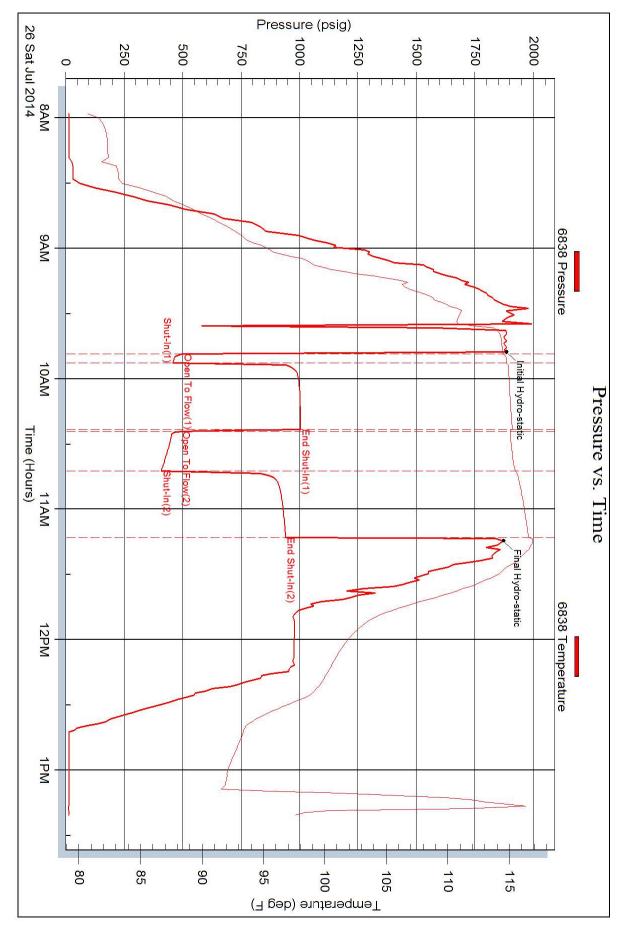
Inside



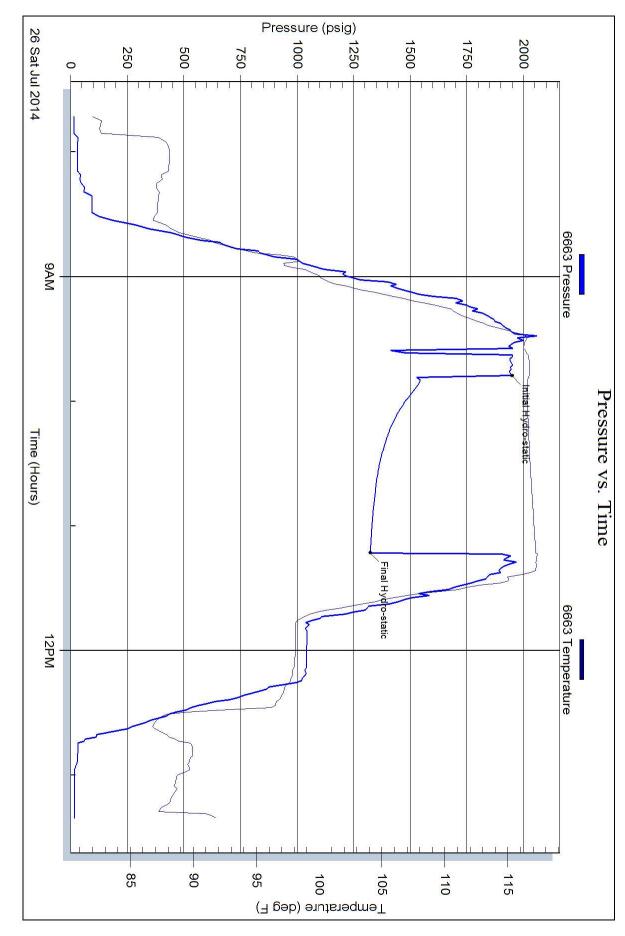
Printed: 2014.07.26 @ 13:39:23

Serial #: 6838

Outside



Serial #: 6663



Printed: 2014.07.26 @ 13:39:23