

Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1193212

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:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
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: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ SIOW □ Gas □ D&A □ ENHR □ SIGW	Elevation: Ground: Kelly Bushing:
□ Gas □ DaA □ ENHA □ SIGW □ OG □ GSW □ Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #: SWD Permit #:	
ENHR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Soud Data or Data Data Data Data TD Completion Data an	Quarter Sec TwpS. R East West
Spud Date orDate Reached TDCompletion Date orRecompletion DateRecompletion 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 I II III Approved by: Date:

	Page Two	1193212
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS. Chave important tang of formations paratrated	etail all aaraa Bapart all final	conice of drill stome tests giving interval tested, time test

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 (Attach Additional Sho	eets)	Yes No		0	on (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-o	conductor, surface, inte	ermediate, producti	on, 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 / SQL	EEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

(If No, skip questions 2 and 3) (If No, skip question 3)

No

No

No

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION Specify For		RD - Bridge P Each Interval F		e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	} .	Producing N	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	S.	Gas	Mcf	Wat	ər	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITI	ON OF C	GAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Solo	u 🗌 t	Used on Lease		Open Hole	Perf.		Comp.	Commingled		
(If vented, Su	bmit ACC	D-18.)		Other <i>(Specify)</i>		(Submit)	,	(Submit ACO-4)		

SCHIPPER'S OIL FIELD SERVICES, L.L.C. 1154

REMIT TO	18048 170RD			SER	RVICE POINT:		
	RUSSELL, KS 67665				Augurery	ALT AUDIC	,02
DATE /1-14	-13 SEC. [3 TWP. 5	- RANGE 23	CAL	LED OUT	ON LOCATION	JOB START	JOB FINISH
	ick well #. BI	LOCATION				Norton	STATEKS
		LUCATION				10011011	
OLD OR NEW	(CIRCLE ONE)						
CONTRACTOR				OWNER			
TYPE OF JOB	Sprtace	D. 25					1 200
HOLE SIZE		DEPTH 2		AMOUNT OR	DERED 165	SKCOM 2	6 CC 2%ge
TUBING SIZE	0 10	DEPTH		ANOONI OIC	Deres - 1 - c		
DRILL PIPE		DEPTH					
TOOL	E	DEPTH					
PRES. MAX	Ν	AINIMUM		COMMON		_ @	
MEAS. LINE	S	HOE JOINT		POZMIX		_ @	
CEMENT LEFT I	NCSG. 2014			GEL		_ @	
PERFS			199.07	CHLORIDE _		_ @	
DISPLACEMENT				ASC		_ @	
	EQUIPMENT					_ @	
			-			_ @	
PUMP TRUCK	CEMENTER		-			_ @	
# BULK TRUCK	HELPER		-			_ @	
BULK IRUCK	DRIVER					_ @	
BULK TRUCK	DRIVER		-			_ @	
#	DRIVER						
				HANDLING			
				MILEAGE			
	DEMARKS.					TOTAL	
Ran 5-ft	AS SECONDE MAR	and anding i	t				
nun- ii	01 0010 401019	and a gurge	3		OT.	DINCE	
est Circu	lation with mi	id pamp	_		SE	ERVICE	
		1 1	T. I	DEPTH OF JO	B		
Hookyp	and mix 165 st a	na disp 60 4 h	61	PUMP TRUCK	CHARGE		
6+H30"-9	paut off supps		-	EXTRA FOOT	AGE	_ @	
	·····		-			0	
7.	· acirculate	to airface	-	MANIFOLD_		_ @	
Lement	concliculate	10 Sur These				- @	
	Anderson E 185 ifthave	valocation				- @	
CHARGE TO: _	i lith up	spiniettor				TOTAL	
STREET	1857 ave		-			IUIA	
CITY Helle	ity STATE KS	ZIP	_		DILLC & FL	ATEOUDAE	NT.
	0				PLUG & FLU	DAT EQUIPME	N1
Schippers Oil	Field Services, L.L.C.,						
You are here	by requested to rent cem	enting equipment an	d				
furnish cemer	nter and helper(s) to assist	owner or contractor t	0				
do work as is	listed. The above work w	as done to satisfactio	n				
	on of owner agent or cont				and the second	_ @	and the second
	ne "GENERAL TERMS						
listed on the r	everse side. 7 hone					TOTA	L
PRINTED NAM	E O			SALES TAX ((If Any)		
SIGNATURE	11 orle	/			RGES		
SIGNATURE	V						IF PAID IN 30 DAYS

SCHIPPER'S OIL FIELD SERVICES, L.L.C. 1159

	3048 170RD USSELL, KS 67665		SE	RVICE POINT:	KS Hove US
		RANGE 27	CALLED OUT	ON LOCATION	JOB START JOB FINISH
DATE 11-28-13	SEC. 13 TWP. 5	RANGE 23			8. DUgm 8:30pm
LEASE Schuck	WELL#. BI	LOCATION			Norton RS
OLD OR NEW (CIF					
CONTRACTOR 42	A Drilling		OWNER		
TYPE OF JOB	ry Ding				
HOLE SIZE 77/	T.	D.	CEMENT	7	5x 60/40 4% gci
CASING SIZE	D	EPTH	AMOUNT O	RDERED 200,	5x 014011021
TUBING SIZE		EPTH	1407-	10	
DRILL PIPE	D	EPTH			
TOOL		EPTH	_		
PRES. MAX		INIMUM			@
MEAS. LINE	SI	HOE JOINT	POZMIX		. @
CEMENT LEFT IN CS	G.		GEL		. @
PERFS			CHLORIDE		. @
DISPLACEMENT	A second second second		ASC		. @
	EQUIPMENT				. @
	EMENTER Marth			<u> </u>	. @
and the second se	IELPER (od y				. @
BULK TRUCK	mann Mult				_ @
	RIVER Mark				_ @
BULK TRUCK					_ @
<u>#</u>	DRIVER	<u> </u>	<u> </u>		_ @
			HANDLING	. <u></u>	. @
Ind pluge (170-2554 2-1005 K		_	SE	RVICE
TOPOES	To with 51	@ 40Fit	DEPTH OF J	OB	
RH 308			- PUMP TRUC	CK CHARGE	
1 250 405	X		EXTRA FOO	TAGE	_ @
					_ @
				<u></u>	_ @
					- @
CHARGE TO: A	derson E	ploratio	n,		- @
STREET 748	5th Ave	D Vel			TOTAL
CITY HIT Cit	4 STATE KS Z	IP_67642	2	DILIC & FLO	DAT EQUIPMENT
				ILOG & ILO	AT LOUI MENT
	d Services, L.L.C.,				_ @
	equested to rent ceme			od Plug	
furnish cementer a	and helper(s) to assist of	owner or contractor	to		
do work as is liste	d. The above work w	as done to satisfact	ion		
and supervision o	f owner agent or contr	actor. I have read a	ind		
understand the "	GENERAL TERMS A	AND CONDITION	IS"		TOTAL
HOUSE OIL HE FE FE					
1				(It Any)	
PRINTED NAME		- /			
PRINTED NAME	tang a	in he was	TOTAL CH	ARGES	IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

Prepared For: Anderson Exploration

748 South 4th Ave. Hillcity Kansas 67642

ATTN: Darrell Anderson

Schuck B-1

13-5s-23w-Norton

Start Date:	2013.11.20 @	07:15:00	
End Date:	2013.11.20 @	13:01:00	
Job Ticket #:	18462	DST #:	1

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

ENTERPRISES LLC	Anderson Exploration		13-59	-23w-N	lorton		
ENTERPRISES LLC	748 South 4th Ave. Hillcity Kansas 67642			ick B-1			
	ATTN: Darrell Anderson			cket: 18	462 13.11.20 @	DST#:1	
GENERAL INFORMATION:							
Formation: Lansing I J Deviated: No Whipstock: Time Tool Opened: 09:19:00 Time Test Ended: 13:01:00	ft (KB)		Test T Tester Unit N	r: D	Conventiona Dustin Elis 315-Great	al Bottom Hole Bend-	e (Initial)
Interval:3464.00 ft (KB) To35Total Depth:3501.00 ft (KB) (THole Diameter:7.88 inches Hole			Refere		vations:	2133.00 2126.00 7.00	ft (CF)
Serial #: 6731InsidePress@RunDepth:78.88 psiaStart Date:2013.11.20Start Time:07:15:00TEST COMMENT:1st Open 30 m	End Date: End Time:	2013.11.20 13:01:00 I steady throug	Capacity: Last Calib.: Time On Bt Time Off Bt gh out.	m: 2	013.11.20	5000.00 2013.11.21 @ 09:18:30 @ 11:12:30	psia
2nd Open 17 m 2nd Shut in 20 m	ninutes No blow back ninutes Dead flushed no help. ninutes No blow back	1					
Pressure vs. 1	All the second s	Time (Min.) 0 1 31 76 90 114 114	Pressure (psia) (1616.40 78.47 78.88 1199.83 81.34 1092.22	Temp (deg F) 98.53 98.80 100.47 100.69 100.51 100.83	E SUMM. Annotatic Open To F Shut-In(1) End Shut-In Shut-In(2) End Shut-Ir Final Hydro	on o-static low (1) n(1) n(2)	
500 200 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00 12PM						
	60 mitha			Gas	Rates		
200 Wed Nov 2013 94M	60 mitha			Gas Choke (in		re (psia) Gas	Rate (Mcf/d)

	Anderson Exploration		ORT	OQue Norton	
ENTERPRISES LLC				-23w-Norton	
WIE!	748 South 4th Ave. Hillcity Kansas 67642			ck B-1 ket: 18462	DST#:1
	ATTN: Darrell Anderson			art: 2013.11.20	
GENERAL INFORMATION:	1				
Formation:Lansing I JDeviated:NoWhipstock:Time Tool Opened:09:19:00Time Test Ended:13:01:00	ft (KB)		Test Ty Tester: Unit No	Dustin Ellis	
nterval:3464.00 ft (KB) To3Total Depth:3501.00 ft (KB) (ToHole Diameter:7.88 inches Ho		Ŧ	Refere	nce Eevations: KB to GR/CF:	2133.00 ft (KB) 2126.00 ft (CF) 7.00 ft
	End Date: End Time:	2013.11.20 13:00:30 steady throug	Capacity: Last Calib.: Time On Btn Time Off Btr gh out.		5000.00 psia 2013.11.21 0 @ 09:18:00 0 @ 11:12:00
	ninutes No blow back				
Pressure vs.				SSURE SUM	MARY
170 100 100 100 100 100 100 100	8450 Temperature 100 100 100 100 100 100 100 10	Time (Min.) 0 1 32 76 91 114 114	(psia) (0 1721.98 72.73 77.76 1 1200.73 1 79.53 1 1061.45 1	Femp Annota deg F) 98.50 Initial Hyd 98.13 Open To 00.19 Shut-In(1 100.33 End Shut 100.23 End Shut 100.82 End Shut 101.05 Final Hyd	dro-static Flow (1)) In(1) :-In(2) :-In(3)
Recovery				Gas Rates	
Length (ft) Description	Volume (bbl)			Choke (inches) Pres	sure (psia) Gas Rate (Mcf/d)
71.00 Mud 100%	1.00				

PER/		DRI	LL STE	MTEST	REPO	RT	TOOL DIAGRA
ENTERPRISES LLC		Anders	on Exploratio	n		13-5s-23w-Norton	
ACCTE R			uth 4th Ave.			Schuck B-1	
		Hillcity	Kansas 6764	2		Job Ticket: 18462	DST#:1
		ATTN:	Darrell Ande	erson		Test Start: 2013.11.20) @ 07:15:00
Tool Information		ļ					*****
Drill Pipe: Length:	3455.00 ft	Diameter	3.80 in	ches Volume:	48.46 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe: Length:	0.00 ft	Diameter	0.00 in	ches Volume:	0.00 bbl	Weight set on Pack	er: 20000.00 lb
Drill Collar: Length:	0.00 ft	Diameter:	0.00 in	ches Volume:	0.00 bbl		
	11.00 ()			Total Volume:	48.46 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft					String Weight: Initia	l 31000.00 lb
Depth to Top Packer:	3464.00 ft					Fina	31000.00 lb
Depth to Bottom Packer: nterval betw een Packers:	ft 37.00 ft						
Tool Length:	57.00 ft						
Number of Packers:	2	Diameter:	6.75 in	ches			
Tool Comments:	-	Biamotor.	0.70 11				
Tool Description	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool		5.00			3449.00		
Hydrolic Tool		5.00			3454.00		
		5.00			3459.00	20.00	Bottom Of Top Packer
Packer		5.00			3464.00		
		0.00					
Packer		32.00			3496.00		
Packer Anchor			6731	Inside	3496.00 3497.00		
Packer Packer Anchor Recorder Recorder		32.00	6731 8159	Inside Outside			

	ERIA	DRILL STEM TEST REP	ORT	FLU	ID SUMMAR
ENTER	PRISES LLC	Anderson Exploration	13-59-2	3w-Norton	
		748 South 4th Ave.	Schuc	k B-1	
		Hillcity Kansas 67642	Job Tick	et: 18462 DS	T#:1
		ATTN: Darrell Anderson	Test Sta	rt: 2013.11.20 @ 07:15:	00
Mud and Cus	hion Information	1			
Mud Type: Gel	Chem	Cushion Type:		Oil A PI:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.80 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	750.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

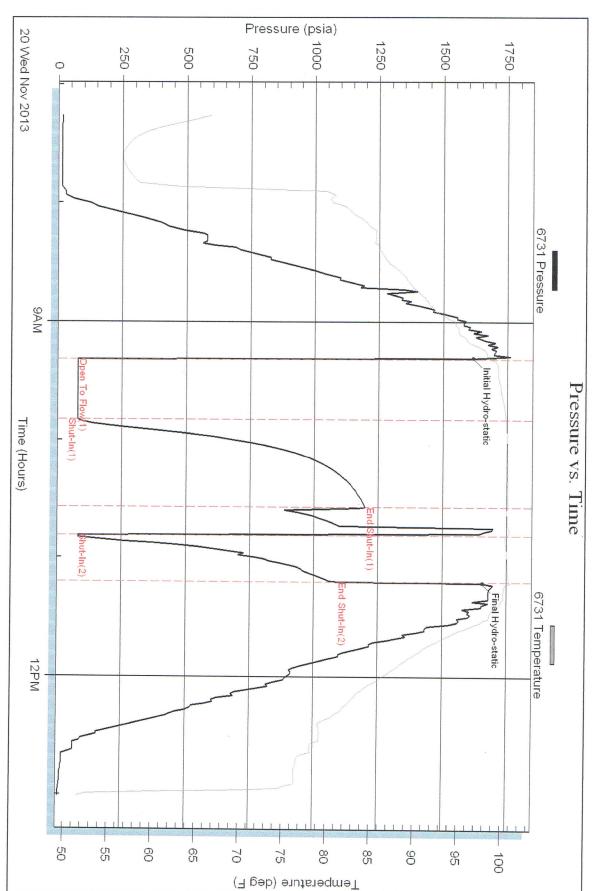
Recovery Table

				,		
	Length ft			Description		Volume bbl
	71.0	0	Mud 100	%		0.996
Tot	al Length:	71	.00 ft	Total Volume:	0.996 bbl	
Lab	m Fluid Samples: 0 poratory Name: covery Comments:			Num Gas Bombs: Laboratory Locatior	0 1:	Serial #:

1

Printed: 2013.11.21 @ 01:15:53

Superior Testers Enterprises LLC Ref. No: 18462



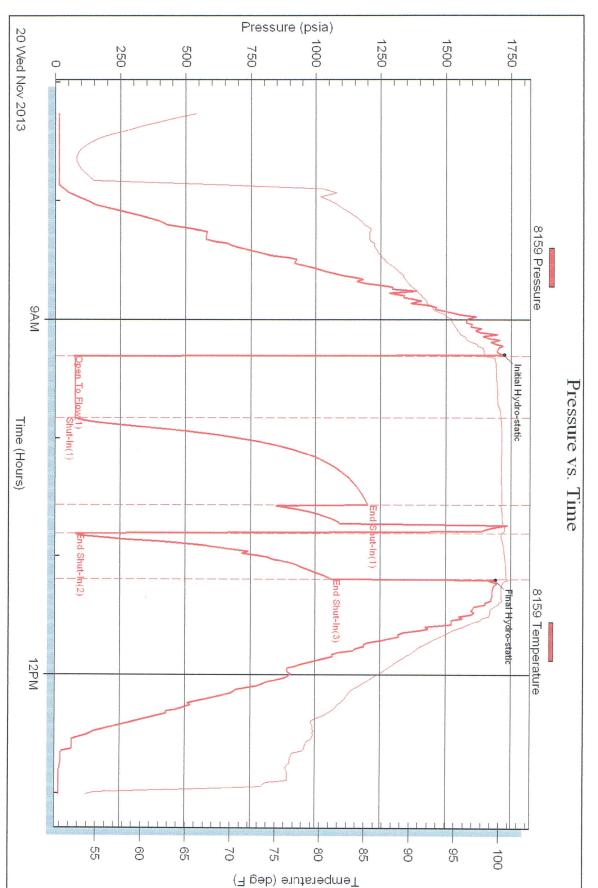
Serial #: 6731

Inside Anderson Exploration

Schuck B-1

Printed: 2013.11.21 @ 01:15:53

Superior Testers Enterprises LLC Ref. No: 18462



Serial #: 8159

Outside Anderson Exploration

Schuck B-1



DRILL STEM TEST REPORT

Prepared For: Anderson Exploration

748 South 4th Ave. Hillcity Kansas 67642

ATTN: Darrell Anderson

Schuck B-1

13-5s-23w-Norton

Start Date: 2013.11.22 @ 07:55:00 End Date: 2013.11.22 @ 13:55:30 Job Ticket #: 18463 DST #: 2

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

ENTERPRISES LLC	Anderson Exploration		13	-5s-23w-	Norton	1	
- WIE	748 South 4th Ave. Hillcity Kansas 67642			huck B- Ticket: 18		09	T#:2
	ATTN: Darrell Anderson					22 @ 07:55:0	
GENERAL INFORMATION:					n naða sen Franciskan and de		
Formation: Reagan Sand Deviated: No Whipstoc Time Tool Opened: 10:12:30 Time Test Ended: 13:55:30	k: ft (KB)		Tes	ster:	Convent Dustin E 3315-Ha	Ilis	n Hole (Initial)
Total Depth: 3780.00 ft (KB)	3780.00 ft (KB) (TVD) (TVD) Hole Condition: Fair		Ref	ference Ee KB t	evations: to GR/CF	2126	8.00 ft (KB) 6.00 ft (CF) 7.00 ft
Gerial #: 8159 Outside tress@RunDepth: 572.06 ps start Date: 2013.11.1 ttart Time: 07:55:00	End Date:	2013.11.22 13:55:30	Capacity Last Cal Time On Time Off	ib.: Btm: 2		5000 2013.11 .22 @ 10:12 .22 @ 11:42	2:00
2nd Open 1 2nd Shut in 3	0 minutes Yes 1.5 inch blow back 5 minutes Strong blow blew off bo 0 minutes Yes blow back surface	ttom bucket 55					
Pressure	ve Time						
8159 Pressure	8159 Temperature	Time					
2000 Pressure 1780 Pressure 1780 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8150 Temperature	12 43 44 59 89 90	P Pressure (psia) 1926.18 103.61 312.55 1181.26 345.56 572.06 1180.23 1877.05	Temp (deg F) 98.98 98.57 99.51 102.41 102.23	Anno Initial H Open T Shut-In End Sh Open T Shut-In End Sh	hydro-static To Flow (1) h(1) hut-In(1) To Flow (2) h(2)	
2000 Pressure 1750	8150 Temperature	(Min.) (Min.) (Min.) 0 1 12 43 44 59 89 90 90	Pressure (psia) 1926.18 103.61 312.55 1181.26 345.56 572.06 1180.23	Temp (deg F) 98.98 98.57 99.51 102.41 102.23 103.24 105.12 105.36	Anno Initial H Open T Shut-In End Sh Open T Shut-In End Sh	hydro-static To Flow (1) h(1) hut-In(1) To Flow (2) h(2) hut-In(2) hydro-static	
2000 1750 1000	8150 Temperature	(Min.) (Min.) (Min.) 0 1 12 43 44 59 89 90 90	Pressure (psia) 1926.18 103.61 312.55 1181.26 345.56 572.06 1180.23	Temp (deg F) 98.98 98.57 99.51 102.41 102.23 103.24 105.12 105.36	Anno Initial H Open T Shut-In End Sh Final Hy Final Hy	hydro-static To Flow (1) h(1) hut-In(1) To Flow (2) h(2) hut-In(2) hydro-static	Gas Rate (Mct/d)
2000 Pressue 1750 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8150 Temperature	(Min.) (Min.) (Min.) 0 1 12 43 44 59 89 90 90	Pressure (psia) 1926.18 103.61 312.55 1181.26 345.56 572.06 1180.23	Temp (deg F) 98.98 98.57 99.51 102.41 102.23 103.24 105.12 105.36	Anno Initial H Open T Shut-In End Sh Final Hy Final Hy	hydro-static To Flow (1) h(1) hut-In(1) To Flow (2) h(2) hut-In(2) hydro-static	Gas Rate (Mct/d)

Printed: 2013.11.22 @ 14:12:17

ENTERPRISES LLC	Anderson Exploration	13-	-5s-23w-	Norton			
ENTER A	748 South 4th Ave. Hillcity Kansas 67642				Schuck B-1 Job Ticket: 18463 DST#		
	ATTN: Darrell Anderson			st Start: 20			
GENERAL INFORMATION:	ļ						
Formation:Reagan SandDeviated:NoWhipstock:Time Tool Opened:10:12:30Time Test Ended:13:55:30	ft (KB)		Tes	ster: I	Conventior Dustin Elis 3315-Hays		ı Hole (Initial)
nterval:3772.00 ft (KB) To3Total Depth:3780.00 ft (KB) (THole Diameter:7.88 inches Ho			Ref	erence Ele KB t	evations: to GR/CF:	2126	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 6731 Inside tress@RunDepth: 1180.58 psia Start Date: 2013.11.22 Start Time: 07:55:00	End Date: End Time:	2013.11.22 13:56:00	Capacity Last Cali Time On Time Off	ib.: Btm: 2	2013.11.22 2013.11.22	-	:00
2nd Open 15 r 2nd Shut in 30 r	ninutes Yes 1.5 inch blow back ninutes Strong blow blew off bot ninutes Yes blow back surface b	om bucket 55 s					
Due	T	1					
6731 Pressure	6731 Temperature	Time					
200 1750 1750 1750 1750 1250 1	6731 Temperature 7 Ima Nonzellure 7 Ima Nonzellure 1 Ima Nonzel	Time (Min.) 0 1 13 44 44 58 90 90 90	Pressure (psia) 1922.72 101.72 317.57 1181.68 346.20 558.11 1180.58 1861.47	Temp (deg F) 98.22 97.81 99.57 102.45 102.25	Annotat Initial Hyd Open To	tion Flow (1)) -ln(1) Flow (2) 2) -ln(2)	
5731 Pressue 1750	6731 Temperature 7 Ima Nonzellure 7 Ima Nonzellure 1 Ima Nonzel	(Min.) 0 1 13 44 44 58 90	Pressure (psia) 1922.72 101.72 317.57 1181.68 346.20 558.11 1180.58	Temp (deg F) 98.22 97.81 99.57 102.45 102.25 103.23 105.26 105.46	Annotat Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut	tion Flow (1)) -ln(1) Flow (2) 2) -ln(2)	
200 1750 1	6731 Temperature 7 Interview 1000 1000 Freetin-M22 1000 Freetin	(Min.) 0 1 13 44 44 58 90	Pressure (psia) 1922.72 101.72 317.57 1181.68 346.20 558.11 1180.58	Temp (deg F) 98.22 97.81 99.57 102.45 102.25 103.23 105.26 105.46	Annotat Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut Final Hyd	tion Flow (1)) -ln(1) Flow (2) 2) -ln(2)	Gas Rate (Mct/d)
200 1750 1	6731 Temperature 7 main Name data 1 main Name	(Min.) 0 1 13 44 44 58 90	Pressure (psia) 1922.72 101.72 317.57 1181.68 346.20 558.11 1180.58	Temp (deg F) 98.22 97.81 99.57 102.45 102.25 103.23 105.26 105.46	Annotat Initial Hyd Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut Final Hyd	tion Flow (1)) -In(1) Flow (2) ?) -In(2) Iro-static	Gas Rate (Mcf/d)

Printed: 2013.11.22 @ 14:12:18

READ		DRI	LL ST	EM TEST	REPO	RT	TOOL DIAGRAM
ENTERPRISES LLC		Anders	on Explorat	tion		13-5s-23w-Norton	
		748 So	uth 4th Ave	Э.		Schuck B-1	
		Hillcity F	Kansas 676	642		Job Ticket: 18463	DST#:2
		ATTN:	Darrell An	derson		Test Start: 2013.11.22 @	@ 07:55:00
Tool Information		ļ					
Drill Pipe: Length:	3763.00 ft	Diameter:	3.80	inches Volume:	52.78 bb	I Tool Weight:	2000.00 lb
Heavy Wt. Pipe: Length:	0.00 ft	Diameter:	0.00	inches Volume:	0.00 bb	Weight set on Packer	: 20000.00 lb
Drill Collar: Length:	0.00 ft	Diameter:	0.00	inches Volume:	0.00 bb	Weight to Pull Loose:	38000.00 lb
				Total Volume:	52.78 bb	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft					String Weight: Initial	31000.00 lb
Depth to Top Packer:	3772.00 ft					Final	34000.00 lb
Depth to Bottom Packer:	ft						
Interval betw een Packers:	8.00 ft						
Tool Length:	28.00 ft						
Number of Packers:	2	Diameter:	6.75	inches			
Tool Comments:							
Tool Description	Le	ngth (ft)	Serial No	o. Position	Depth (ft)	Accum. Lengths	
Shut-In Tool		5.00			3757.00		
Hydrolic Tool		5.00			3762.00		
Packer		5.00			3767.00	20.00	Bottom Of Top Packer
Packer		5.00			3772.00		
Anchor		3.00			3775.00		
Recorder		1.00	6731	l Inside	3776.00		

3777.00

3780.00

8.00

Bottom Packers & Anchor

Outside

Total Tool Length: 28.00

1.00

3.00

8159

Recorder

Bullnose

DRII	_L S	TEM	TEST	REP	ORT
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Anderson Exploration

748 South 4th Ave. Hillcity Kansas 67642

ATTN: Darrell Anderson

13-5s-23w-Norton

Schuck B-1

Job Ticket: 18463 DST#:2

Test Start: 2013.11.22 @ 07:55:00

Gas Rates Information

Temperature:	59 (deg F)
Relative Density:	0.65
Z Factor:	0.8

Gas Rates Table

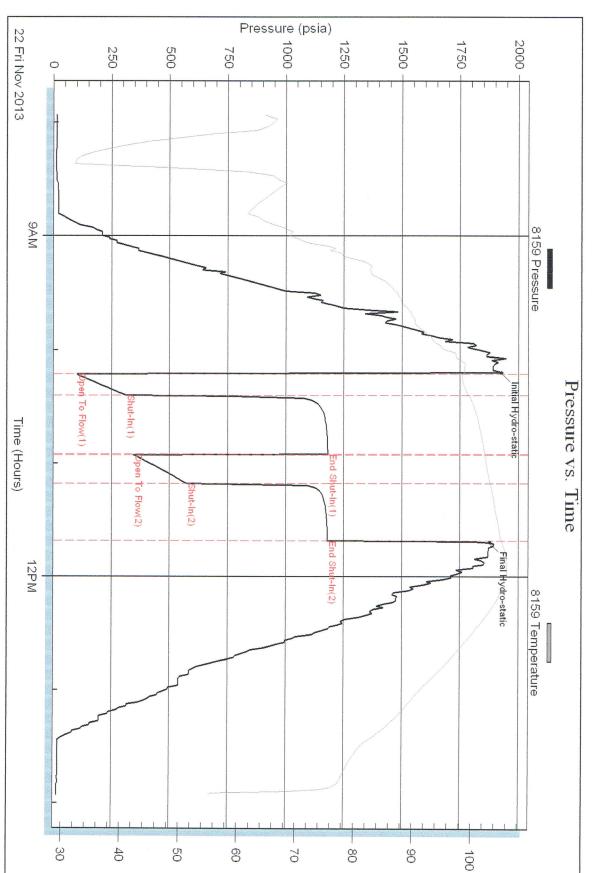
Flow Period	Eapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

GAS RATES

ENTERPRISES LLC

Printed: 2013.11.22 @ 14:12:18

Superior Testers Enterprises LLC Ref. No: 18463



Temperature (deg F)

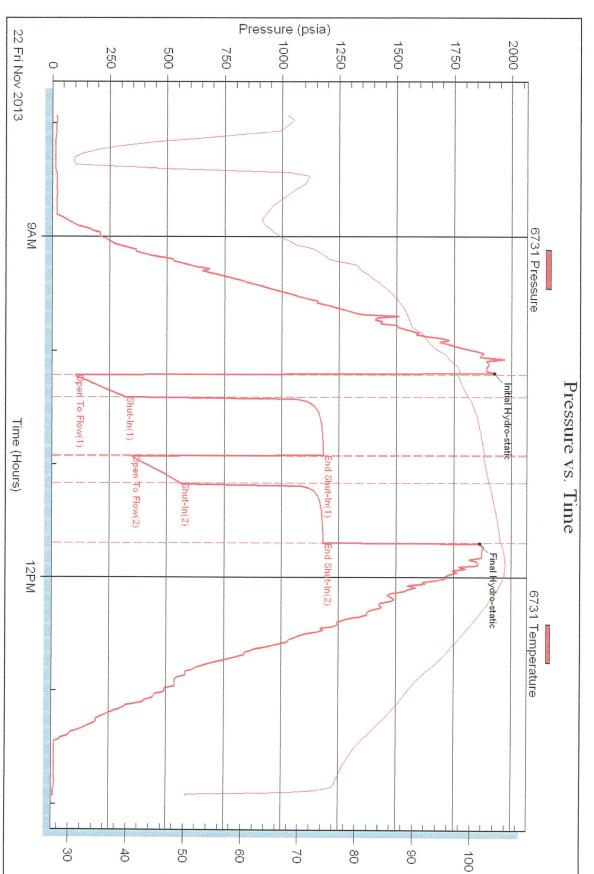
Serial #: 8159

Outside Anderson Exploration

Schuck B-1

Printed: 2013.11.22 @ 14:12:18

Superior Testers Enterprises LLC Ref. No: 18463



Temperature (deg F)

Serial #: 6731

Inside Anderson Exploration

Schuck B-1

ROBERT HOPKINS-consulting geologist LITHOLOGIC LOG NE Sec. 13-55-23W PRODUCTION Location SE SW Operator D & D Lease/Well Schuck B-1 County NORTON State KS scale 1" = 20' to 3180. page / of 5 GL 2135 KB 2140 <- (measure from depth this sheet - from 3000 DRILLING TIME (min/ft) tops lith DEPTH DESCRIPTION (lithology, DSTs, mud properties) 0.5 2 3 4 56789 shows graph 13000 Anhydrite 1786-1818 MUB VIS 70; wt. 8,8 @ 11/19/13 HONN 1111 50 Wh firstin file Ist., N.S. gry-gin sdy sh. TOP Topeka 3092(-954) 3100 bf-gry frixhis foss Ist., tite, N.S. blk sh. It bf-gry fixle tite 1st., Mis. wh fuxle tike 1st., N.r., sl. fossiliferous IIII 50 Twh challey Ist., gd p, n.s. (wet) I wh fuyles tite 1st, N.S.

LII	THOLO	OGI	(C	L				ROBERT HOPKINS-consulting geologist
Operator						1		SE SW NE SEr, 13-55-23W
_ease / We								<u>arton</u> State <u>K.S.</u> scale 1" = 20'
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			-		-		JA1	blle sh.
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	5						TIA	
	art a share of advantation and the state of				-3200			grn-gry sh, to sdy sh.
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-5							11.2.5	
	2							1rysha Lecompton 3219
					Le		And and a second	Lecompton Oct
							1 F.	1ry sha Lecomptons 3219' Mus VIS 58; WT 8.8 Wh firsting fick Ist., N.S.
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	the area and						++-	a/a , w/some of, N.S.; sl. denty
		>					11	
		7			-			11 1. 51 3294/-1150
		4					11	bl-quy tite 1st., N.S., SI. foss, togranular
			3					1 11 the Bright 151. foss, togranular
		X			Hb		5	- blk carbonaceous sh., pyritic
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			37				<u></u>	bf forxing 1st, clearly, tits, N.S. Lansing 3336(-119.
		-5				ŀ		the any sh
	<				LKC		TT	dhe gry sh. wh colific/foss. 1st., file, N.S. Mus VIS 63; wt 8.9
		N			- ,		11	wa colitic/foss. 15t, tite, 11.5
		$ \langle$			A		TT	Mus VIS 63; wt 8.9
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		=3			B		山	wheter-medals bt., tite, N.S.
_							T	ary sh
	Lc	<u> </u>		Lil	-00 L	I:	and the second second	J /

	HOLOGIC I			ROBERT HOPKINS-consulting geologist
				SE SW NE SEC. 13-55-23W
			1	<u>VORTON</u> State <u>K5</u> scale 1" = 20'
GL		and the second se	depth this sh	heet-from 3360 to 3540 page 3 of 5
	NG TIME (min/ft)	DEPIH	tops lith	DESCRIPTION (lithology, DSTs, mud properties)
0.5 1	2 3 4 567	11 60	shows graph	
			Production of the second	de grysh.
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and the second second		+++		al- 1.1 st
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			-	who by fix xla cheating 1st., fite, N.S.
		E, F	LT.	
		3400		why first the 1st. p.s.
		H _		Il and
	2	H G	T ₁	Magny sh. who for the chalky lst., sh. p. N.S.
			IT.	wh taxter charky 15t, ship, w.s.
				I A I II I has tile is
			11	wh fuxlu lst., sl. pss., file, N.S.
		₩,	1.51.	LIK sh.
		G	show?	when fixing closely let, tite, with de. still,
				bilk sh. wh-gry fixing closely let, fits, withre dk. stiv, wh-gry fixing closely let, fits, withre dk. stiv,
			Manage Anger States	de gry sh to sdy sh.
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		H-H-1	브그	who gry fis- ned xhis fite 1st, N.S. 10P
		- H		ala sl. ø, N.S.
				rad-grysh
			fir the	I fixly let st. word & some stis fair free oil
			showly I	wh fix his let., st. UUT of some star, fair fuce and what to my sh.
		++,	1 May // / Canad	
			shourf 1	whilst. vuggy to proposed & free all Top"J" 3478 source stro., st. odor, duil I wonderence
				source stro., st. odor, dilly I wordserve
	<u>} </u>	H + 15		
··			TTT	dk gry sh, wh, tite 1st, N.S. [MUD VIS 57; wt 9.2
		1.25.001	an ann an Anna an Anna Anna an Anna an Anna an Anna an	Nod- gry sh. DST 1: 3464-350
brack	25 2 1 11	3500- CFS	11	Tack T T. /"/// 4
110+		ΞĸΙ		Wh. 1st. the
Wor	KINJ .			Very poor sampling.
	<u>}</u>]]]	 ,	T-T	1.10 shows obsauved
				(Rec: 71 MUD
	$\langle \langle \rangle$	BIKC		
			ange der besternen son Reference and son son Reference	BKC 3523 est.
	-51-111			roll-gry sh
				neel-gry sh.
- the second		-40 -		

LITHOLOGIC LOG ROBERT HOPKINS-consulting geologist Operator DED PRODUCTION Location SE SW NE SEC. 13-53-23W Lease / Well Schuck B-1 County NORTON State KS scale 1" = 20' KB 2140' (measure from depth this sheet - from 3540' to 3720' page 4 of 5 GL. DRILLING TIME (min/ft) tops lith DEPTH DESCRIPTION (lithology, DSTs, mud properties) 2 3 4 56789 0.5 shows graph 40 F1, Scott 3555' ned-giy sh. brakes 50 dle. 7ºy sh. FS Wh-rod politic Ist., tite, N.S MUD VIS 55; WT 9.0 wh- tow outitie 1st. N.S. sl. \$ The and gry sh. the who solution late, the , N.S. I why say lat, the , mis # 3600 rel-gry sh. whe complemente, fite, N.S. ned sst., shaley, sl. \$, N.S. in red ankasic 5st. Nis. 50 = red sh. ned shy, set., mis. red sh. 5 Arburkle 3678(-1538) H Arb. White granular dolomite, fair \$, N.S. CFS st. charty nodsh. and limy sst. sl. p. N.S. ; avgillacious 3700 why vanular to sucrosic dolonite; me \$, N.S.

LITHOLOGIC LOG **ROBERT HOPKINS-consulting geologist** Sec. 13 - 53 - 23W SE SW NE Operator DED PRODUCTION Location Lease/Well Schuck B-1 County NORTON State KS scale 1" = 20' GL____KB_2/40' (measure from depth this sheet - from 3720 to 3806' page 5 of 5 DRILLING TIME (min/ft) fith tops DEPTH DESCRIPTION (lithology, DSTs, mud properties) 2 3 4 56789 0.5 shows graph 1111 20 It whole sourcesic delocite, st. charty, are pines. brakes NOT Invis VIS 56; 11+9.2 ned ankosic set, N.S. (Vary fine - Not Reagand) Valued shipsoft HH 50 villed shipsoft ville sol - whe dolowitic set, slip, u.s. NV red sst., sl. p, N.S., w/redsh. S In our solidated
I CFS GW 38 00 stoppel REC: 1140' SW RAN PIONDER OH log; MUD VIS 52 jut 9.2