

Confid	entiali	ty Requested:
Yes		No

# Kansas Corporation Commission Oil & Gas Conservation Division

1174338

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 ☐ SWD		∐ SIOW ∏ SIGW	Elevation: Ground:	Kelly Bushing:	:
∐ Gas	☐ ENHR ☐ 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			1		
GSW	Permit #:		Operator Name:		
_ <del>_</del>			Lease Name:	License #:_	
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	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 I III Approved by: Date:

Page Two



Operator Name:				Lease N	Name: _			_ Well #:		
Sec Twp	S. R	East	West	County	:					
	ow important tops of fo ing and shut-in pressu o surface test, along wi	res, whe	ther shut-in pre	ssure reacl	hed stati	c level, hydrosta	tic pressures, bo			
Final Radioactivity Logilles must be submitted						gs must be ema	iled to kcc-well-lo	ogs@kcc.ks.go	v. Digital	electronic log
Drill Stem Tests Taken (Attach Additional S		Ye	es No			3	on (Top), Depth a			Sample
Samples Sent to Geol	ogical Survey	Ye	es 🗌 No		Nam	9		Тор	L	Datum
Cores Taken Electric Log Run		☐ Y€								
List All E. Logs Run:										
			CASING	RECORD	│ Ne	w Used				
		Repo				rmediate, producti	on, etc.			
Purpose of String	Size Hole Drilled		e Casing t (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
Purpose	Depth					EEZE RECORD				
Purpose: Perforate	Top Bottom	Туре	of Cement	# Sacks	# Sacks Used Type and Pe					
Protect Casing Plug Back TD										
Plug Off Zone										
Did you perform a hydrau	ilic fracturing treatment or	this well?	?			Yes	No (If No, sk	ip questions 2 ar	nd 3)	
	otal base fluid of the hydra		•		•			ip question 3)		
Was the hydraulic fractur	ing treatment information	submitted	to the chemical of	disclosure reg	gistry?	Yes	No (If No, fil	out Page Three	of the ACC	)-1)
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Cemen		d	Depth
TUBING RECORD:	Size:	Set At:		Packer At	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or ENH	R.	Producing Meth Flowing	nod:	g 🗌	Gas Lift C	other (Explain)			
Estimated Production Per 24 Hours	Oil Bl	bls.	Gas	Mcf	Wate	er Bl	ols.	Gas-Oil Ratio		Gravity
DIODOGITI	ON OF CAC			ACTUOD OF	COMPLE	TION		DDODUGT		
Vented Sold	ON OF GAS:  Used on Lease		N Open Hole	NETHOD OF $\Box$ Perf.	Dually	Comp. Con	nmingled	PRODUCTIO	λιν ιίΝ Ι ΕΚ\	/AL:
(If vented, Sub			Other (Specify)		(Submit A	ACO-5) (Subi	mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Edison Operating Company LLC
Well Name	Rixon 1-16
Doc ID	1174338

# All Electric Logs Run

Dual	
CDNL	
Micro	
Sonic	

Form	ACO1 - Well Completion
Operator	Edison Operating Company LLC
Well Name	Rixon 1-16
Doc ID	1174338

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
surface	12.25	8.625	24	303	Class A	300	
production	8.625	5.5	15.5	4218	AA-2	150	



10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

#### FIELD SERVICE TICKET

1718 09567 A

	PRESSURE P	UMPING & WIRELINE	# J#	2 1201			DATE	TICKET NO			
DATE OF /Z-	13-13	DISTRICT PART	N	150	NEW O	VELL F	PROD []INJ	WDW	CUSTON ORDER	IER VO.:	
CUSTOMER	EDISU	11 OPNING C	0.11	2 m-	LEASE R	: Yo	1		WEL	L NO.	16
ADDRESS					COUNTY 57	AFF	17/10	STATE	(3		
CITY		STATE	4 4		SERVICE CR	EW /	INFTAL, M	region, Kour	19, E 95	X × × :	
AUTHORIZED B	Υ	-	-140		JOB TYPE:	CAL	L. S.				
EQUIPMENT			HRS	EQU	IPMENT#	HRS	TRUCK CAL	LED /2.1	PM	//:3	IE .
37856		<b>\</b>					ARRIVED AT	ГЈОВ	AM	413	ŭ.
77686/1998							START OPE	RATION	AM	8:5	U.
110 9-11119.							FINISH OPE	RATION	AN	9:30	)
19960/21010	. 5					_	RELEASED		AN	10:1	7
							MILES FROM	M STATION TO W	ELL 7	5	
products, and/or suj	l is authorized pplies include	CONTRACT CONDITIONS: (This of to execute this contract as an ag s all of and only those terms and c thout the written consent of an office.)	ent of the custonditions app	stomer. As earing on	such, the unders	igned agre of this do	ees and acknowl cument. No addit	edges that this contr	rms and/or c	onditions	shall
ITEM/PRICE REF. NO.	REF. NO.						QUANTITY	UNIT PRICE	\$ A	MOUN.	Т
CP 105	AA-Z	CMIT				SV	150		25	50	00
CP 103	60/4					SK	50		6		00
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cc 129	-					10	750			) (	20
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				SEF	VICE & EQUIP	MENT	%TAX	X ON \$			
				MAT	ERIALS		%TAX	X ON \$			
					40			TOTA	AL		

THE ABOVE MATERIAL AND SERVICE

ORDERED BY CUSTOMER AND RECEIVED BY

FIELD SERVICE ORDER NO.

REPRESENTATIVE

Mille Milton

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

SERVICE



# FIELD SERVICE TICKET

1718 09333 A

	ENER (		RVICES Phor	ne 620-672	2-1201			DATE	TICKET	NO,		
					VELL F	PROD INJ	WD	w DC	JSTOMER RDER NO.:			
CUSTOMER É DISON OPERATING LEASE					LEASE Ri	xon			1-16	WELL NO		
ADDRESS						COUNTY 5	Taf	ford	ST	ATE KS		
CITY			STATE			SERVICE CR	EW E	0 51	eve	) J.	00	
AUTHORIZED B	Υ				-	JOB TYPE:	CNU	V SU	1159	ce		
EQUIPMENT	# HF		EQUIPMENT#	HRS	EQL	IIPMENT#	HRS	TRUCK CAL	LED	12-4-13		IME 30
19959-199	860 25							ARRIVED AT		12.51		00
28443	11	71 1						START OPE		<u></u>	PM 3	20
*****								FINISH OPE	RATION	- 3	AM 3	45
								RELEASED			AM 4	15
								MILES FROM	M STATIO	N TO WELL	25	
products, and/or sup- become a part of th	pplies include	s all of and	e this contract as an agr only those terms and co ritten consent of an office	onditions app	earing on	the front and back	of this do	cument. No addi	tional or sub	stitute terms	or services, mand/or condition	ons shall
ITEM/PRICE MATERIAL, EQUIPMENT AND SERVICES USED					UNIT	QUANTITY	UNIT	PRICE	\$ AMOL	JNT		
CP 103	60/4	2 PO	2				5/5	300			3,600	00
CC 102	C 102 Celloflake					10	75			277	50	
CC 109	Calc	jum	Chloria	e			1h	774			812	70
E 100	DICK	nen	Milleuge				mi	25			160	25
F 101	Hear	V M	il pure				mi	50			350	06
E 113	BULK	DE	Herr				Tim	323			516	N
CE 200	nep	Th C	harad				4hr	1			1,000	00
CE 240	mixin	in C	harb e				SK	300			420	00
CE 504	PLUG	Con	Tather				503				250	06
5 003	Super	Viso,					24				175	00
							-					
												, I N
СНЕ	EMICAL / ACI	D DATA:							SI	JB TOTAL	5,750	) 59
					SEF	RVICE & EQUIP	MENT	%TA	X ON \$	£285.3		
					-	TERIALS			X ON \$			

SERVICE REPRESENTATIVE THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

TOTAL



Scale 1:240 Imperial

Well Name: Rixon #1-16

Surface Location: Sec. 16 - T24S - R13W

**Bottom Location:** 

15-185-23843-0000

License Number: 34434

Spud Date: 12/4/2013 6:00 PM Time:

Region: Stafford County, KS

**Drilling Completed:** 12/13/2013 Time: 1:00 AM

Surface Coordinates: 2300' FNL & 2000' FWL

**Bottom Hole Coordinates:** 

Ground Elevation: 1918.00ft K.B. Elevation: 1923.00ft

3000.00ft Logged Interval: To: 4218.00ft

Total Depth: 4218.00ft

Formation: Arbuckle, Lansing

**Drilling Fluid Type:** Chemical/Fresh Water Gel

**OPERATOR** 

Company: Edison Operating Company, LLC

Address: 8100 E 22nd St. N

Building 1900

Wichita, KS 67226

Contact Geologist: **David Withrow** Contact Phone Nbr: 316-201-1744

Well Name: Rixon #1-16

Location: Sec. 16 - T24S - R13W API: 15-185-23843-0000

Pool: Field: Wildcat State: Kansas Country: USA

#### LOGGED BY



Company: Valhalla Exploration, LLC

Address: 8100 E 22nd St. N

Building 1800-2 Wichita, KS 67226

316.210.1295 Phone Nbr:

Logged By: Geologist Name:

#### REMARKS

After review of the geologic log, sample descriptions, open hole electric logs, and DST results, the decision was made by operator to run 5 1/2" production casing for further evaluation of the Arbuckle section.

Adam G. Nighswonger

The well samples were saved, submitted, and will be available for review at the Kansas Geologic Survey's Well Sample Library located in Wichita, KS.

Respectfully Submitted,

Adam G. Nighswonger

#### **GENERAL INFORMATION**

#### Service Companies

Drilling Contractor: Mallard Drilling - Rig #2 Drilling Fluid: Mud-Co/Service Mud

Tool Pusher: Lavon Urban Engineer: Rick Hughes Daylight Driller: Mike Kramer

Evening Driller: Mark Elsen Logging Company: Nabors Completion Service

Assoina Drillor: Kont Hisha Loff Cro Morning Dillier. Nertt Orbait

Relief:

Gas Detector: Bluestem Environmental

Engineer: Sidney Edelbrock

Unit: 0199 Operational By: 1800'

Testing Company: Superior Testing

Tester: Gene Budig

Linginieer. Jen Gronewag

Logs Ran: DIL, DUCP, MEL, BHCS

Deviation Survey							
Depth	Survey						
325'	1°						
3772'	1 1/4°						
RTD 4218'	1 1/4°						

Pipe Strap						
Depth	Pipe Strap					
3737'	0.94 long to board					

Bit Record										
Bit #	Size	Make	Туре	Serial Number	Depth In	Depth Out	Feet	Hours		
1	12 1/4"	RT	Tooth	RR	0	325	325			
2	7 7/8"	F27	Tooth	PY9749	325	4218	3893			

	Surface Casing
12/4/2013	Ran 7 joints of 24#, 8 5/8" surface casing, Set @ 325'. Used 300 sacks 60/40 Poz, 3% cc, 1/4#
	cellflake, cement did circulate, by Basic. Plug down @ 0330 hrs on 12.05.13.

	Production Casing
12/13/2013	Ran 99 joints of 15.5#, 5 1/2" production casing, Set @ 4217'. Used 200 sacks total, 30 sacks rathole, 20 sacks mousehole, 150 sacks casing with AA-2, cement did circulate, job completed at 2125 hrs 12.13.13.

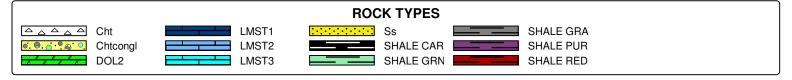
#### **DAILY DRILLING REPORT**

Da	ate	0700 Hrs Depth	Previous 24 Hours of Operations
12/9/	/2013	3544'	Drilling and connections Topeka. Displace mud by 3200'. Geologist Adam G. Nighswonger on location 1830 hrs 12.08.13 drilling @ 3275'. Drilling and connections Topeka, Heebner, Toronto, Douglas, and into Brown Lime. CTCH, begin short trip @ 3544'. Made 572' in past 24 hrs of operations. DMC: \$4,423.95 CMC: \$6,556.45
12/10	)/2013	3737'	Break water freezing, down for maintenance. Complete short trip for 30 stands; back to bottom, CTCH, resume drilling and connections 1845 hrs Brown Lime and into upper Lansing zones. CFS @ 3643' (LKC 'F') & 3692' (LKC 'H'). Resume drilling and connections lower Lansing zones. CFS @ 3737' (LKC 'J'). Shows warrant test. CTCH, drop survey and strap out for DST #1. Made 193' in past 24 hrs of operations. DMC: \$887.35 CMC: \$7,443.80
12/11	/2013	3772'	Conduct DST #1; test successful. Recovered 1750' gas and 130' mud from DST #1. Back to bottom; CTCH. Resume drilling and connections lower Lansing zones. CFS @ 3772' (LKC 'K'). Shows warrant test. CTCH, drop survey (previous survey failed) and TOH for DST #2. Recovered 350' gas and 65' mud from DST #2.  Made 35' in past 24 hrs of operations.  DMC: \$464.15 CMC: \$7,907.95
12/12	2/2013	4118'	Back to bottom; CTCH. Resume drilling and connections lower Lansing, basal Pennsylvanian, and into Viola. CFS @ 3955' & 3982' (VIOL). Resume drilling and connections Viola, Simpson, and into Arbuckle. CFS @ 4118' (ARBK). Shows warrant test. CTCH and TOH for DST #3. Made 346' in past 24 hrs of operations.  DMC: \$681.45 CMC: \$8,589.40
12/13	3/2013	RTD 4218'	Conduct DST #3. Recovered 340' HOCWM, 240' OCMW & 120' water from DST #3. Back to bottom; CTCH. Resume drilling and connections Arbuckle. Rotary total depth of 4218' reached 0100 hrs 12.13.13. CTCH, drop survey and TOH for logs. Geologist off location 0530 hrs on 12.13.13. Commence open hole logging operations 0600 hrs, job complted 1015 hrs 12.13.13. Made 100' in past 24 hrs of operations.  DMC: \$1,556.20 CMC: \$10,145.60

# **WELL COMPARISON SHEET**

Drilling Well	Comparison Well	Comparison Well	Comparison Well
Edison Operating Co - Rixon #1-16	Kan-Ex, Inc B.O.C.C.	Mallard Drilling Co Delp #1	Edison Operating Co - Waite #1A-21
Sec. 16 - T24S - R13W	Sec. 16 - T24S - R13W	Sec. 16 - T24S - R13W	Sec. 21 - T24S - R13W
04001 ENIL 9 40E01 EWI	C N/O NE CE	C CW CW NE	0001 EVII 0 44 E01 EVVI

	2	IOO. FIAL &	1850 F	/VL		C N/2 NE SE		C SW SWINE		830 FINL & 1150 FWL		L				
					D	D & A Structural			D & A Structural		D	& A	Struc	tural		
	1923	KB			1927	KB	Relatio	onship	1926 KB Relationship		onship	1928	KB	Relatio	onship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Sample	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka	3073	-1150	3074	-1151		Not C	Called			Not C	Called		3062	-1134	-16	-17
Heebner	3394	-1471	3394	-1471	3408	-1481	10	10	3396	-1470	-1	-1	3383	-1455	-16	-16
Toronto	3417	-1494	3411	-1488	3428	-1501	7	13		Not C	Called		3398	-1470	-24	-18
Brown Lime	3530	-1607	3531	-1608	3547	-1620	13	12		1101	alleu		3523	-1595	-12	-13
Lansing	3554	-1631	3555	-1632	3575	-1648	17	16	3559	-1633	2	1	3547	-1619	-12	-13
LKC 'B'	3575	-1652	3579	-1656	3598	-1671	19	15					3572	-1644	-8	-12
LKC 'F'	3628	-1705	3633	-1710	3650	-1723	18	13		Not C	`allod		3623	-1695	-10	-15
LKC 'G'	3646	-1723	3645	-1722	3668	-1741	18	19	Not Called				3645	-1717	-6	-5
Muncie Creek	3680	-1757	3680	-1757	3704	-1777	20	20					3681	-1753	-4	-4
LKC 'H'	3683	-1760	3684	-1761	3709	-1782	22	21	3696	-1770	10	9	3684	-1756	-4	-5
LKC 'I'	3702	-1779	3700	-1777	3728	-1801	22	24						Not Pre	sent (?)	
LKC 'J'	3718	-1795	3718	-1795	3742	-1815	20	20					3712	-1784	-11	-11
Stark	3744	-1821	3746	-1823	3773	-1846	25	23		Not C	Called		3746	-1818	-3	-5
LKC 'K'	3749	-1826	3755	-1832	3782	-1855	29	23		NOLC	alleu		3752	-1824	-2	-8
Hushpuckney	3780	-1857	3786	-1863	3810	-1883	26	20					3782	-1854	-3	-9
LKC 'L'	3791	-1868	3794	-1871	3818	-1891	23	20					3791	-1863	-5	-8
Base Kansas City	3798	-1875	3803	-1880	3827	-1900	25	20	3832	-1906	31	26	3800	-1872	-3	-8
Viola	3904	-1981	3908	-1985	3960	-2033	52	48	3926	-2000	19	15	3897	-1969	-12	-16
Simpson	4042	-2119	4056	-2133	4093	-2166	47	33	4068	-2142	23	9	4040	-2112	-7	-21
Arbuckle	4110	-2187	4112	-2189	4146	-2219	32	30	4119	-2193	6	4	4078	-2150	-37	-39
Total Depth	4218	-2295	4219	-2296	4171	-2244			4160	-2234	, and the second	, and the second	4183	-2255	, in the second	



#### **ACCESSORIES**

### **MINERAL**

- □ Chert, tripolitic
- → Dolomitic
- P Pyrite
- Sandy
- · Silty

**MISC** 

- Varicolored chert
- △ Chert White

#### **FOSSIL**

- Bioclastic or Fragmental
- Cephalopod
- F Fossils < 20%
- Oolite

**DST** BDST1

DST2

Core II tail pipe

- Oomoldic
- ☆ Sponge Spicules

#### **STRINGER**

Conglomerate

Limestone1

Limestone2

· · · Sandstone

Shale Gray Shale Red

#### **TEXTURE**

C Chalky L Lithogr

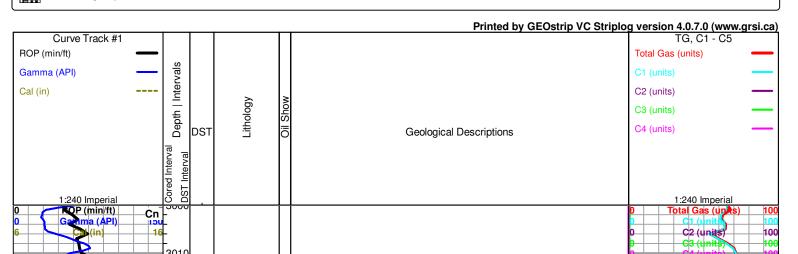
#### **OTHER SYMBOLS**

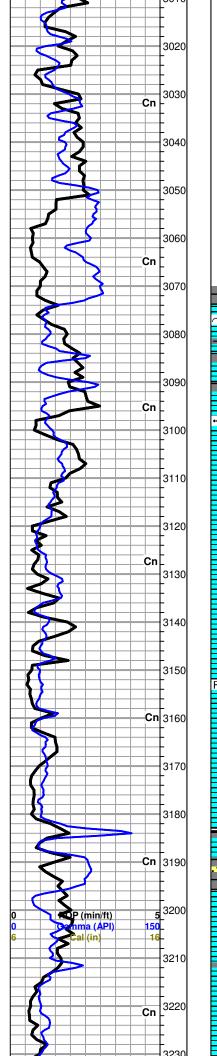
# DR Daily Report Digital Photo Document Folder Iink Vertical Log File

Horizontal Log File

Core Log File

**Drill Cuttings Rpt** 





C

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# Topeka 3074' (-1151)

Limestone: light gray, some cream white, hard and dense, fine-xlyn, densely fossiliferous to bioclastic in part, poor inter-fossil porosity, no shows noted, lower part with trace shaley material

#### Start 10' wet & dry samples @ 3100'

Limestone: cream white, some light gray, dense chalky matrix, micro to fine-xlyn, fossiliferous in upper part, with Shale: dark gray, blocky and hard, silty in part

Limestone: gray to dark gray, dense matrix, fine-xlyn, densely fossiliferous to bioclastic in part, few parts friable, fair inter-fossil porosity, no shows noted, with Shale as above

Limestone: cream white to light tan, micro to fine-xlyn, dense chalky matrix, trace loose chalk, poor to fair inter-xlyn porosity, no shows noted, with interbedded Shale as above

Limestone: cream white and light tan, fine-xlyn, dense chalky matrix, trace loose chalk, few parts largely fossiliferous, poor inter-xlyn porosity, no shows noted

#### King Hill Shale 3183' (-1260)

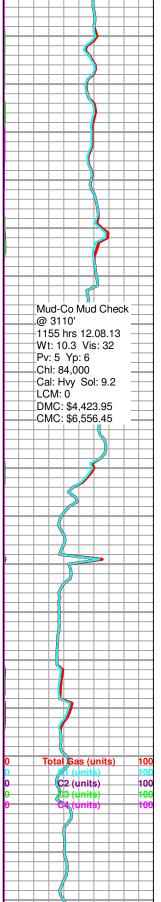
Shale: black carb to dark gray, mostly blocky and soft, some splintery, no show gas

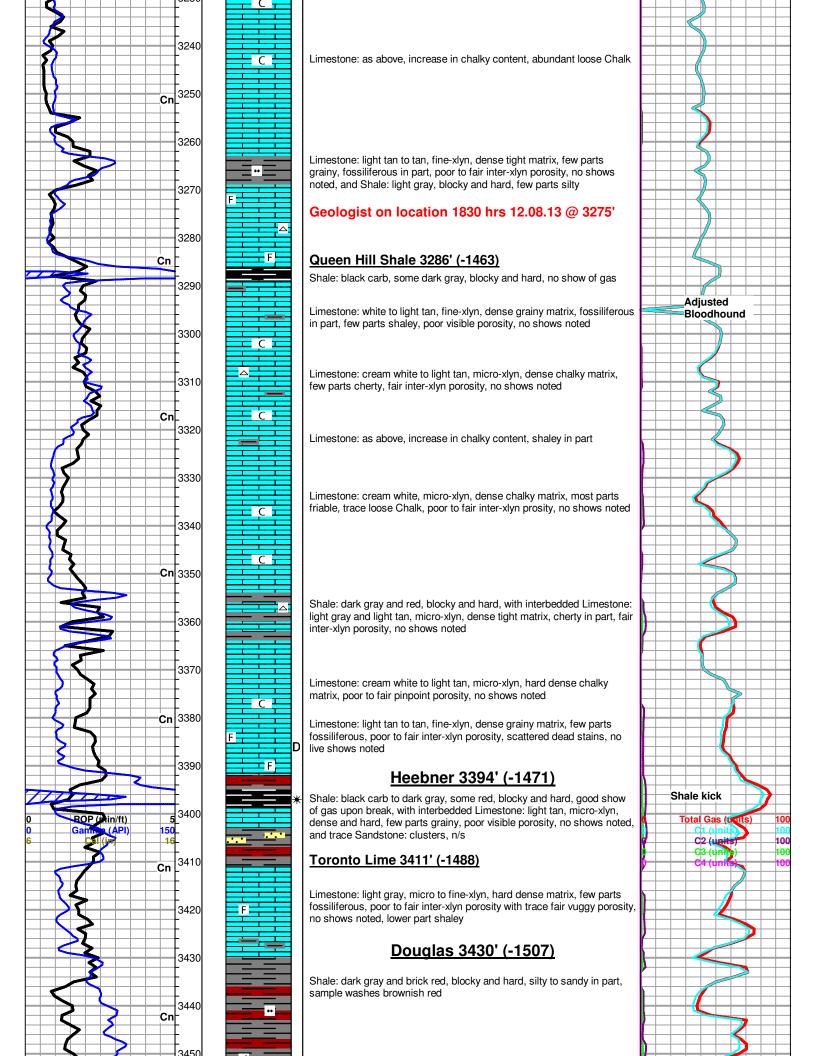
Shale: gray to dark gray, blocky to soft, with few pieces Sandstone: dark tan, vf-grained, poorly sorted and cemented, fair inter-granular porosity, no shows noted

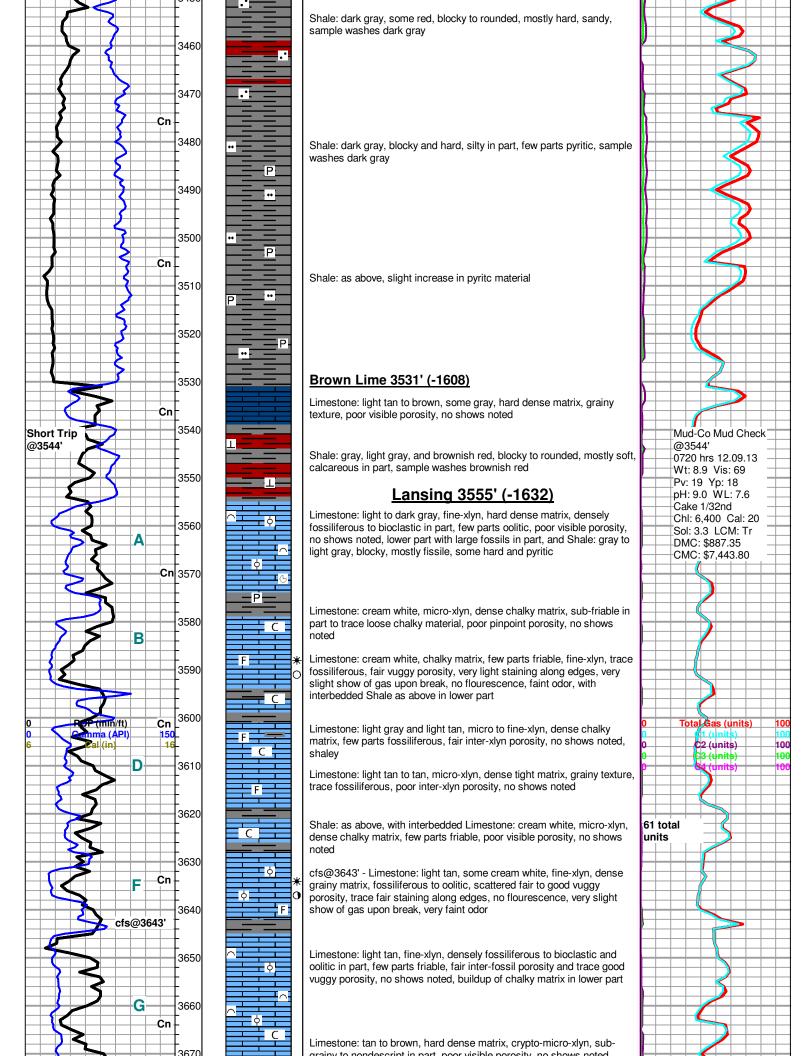
#### Displace mud system by 3200'

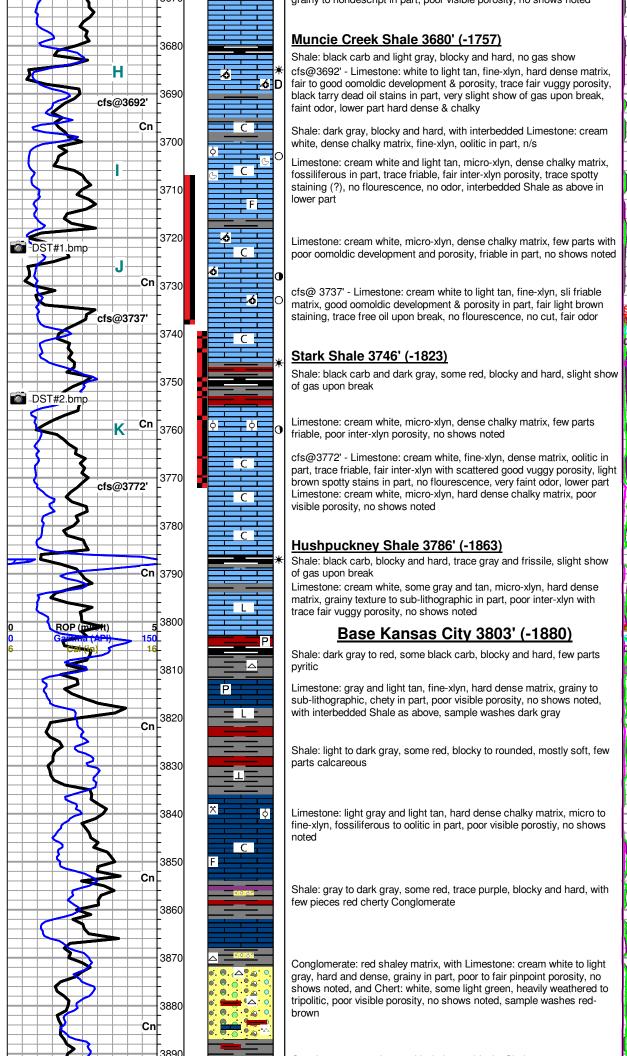
Limestone: cream white, micro to fine-xlyn, dense chalky matrix, some loose chalk, trace cherty, lower part with increase in chalky content, poor to fair inter-xlyn porosity, no shows noted

Limestone: cream white, micro-xlyn, chalky matrix, gummy in part, abundant chalky material, poor inter-xlyn porosity, no shows noted

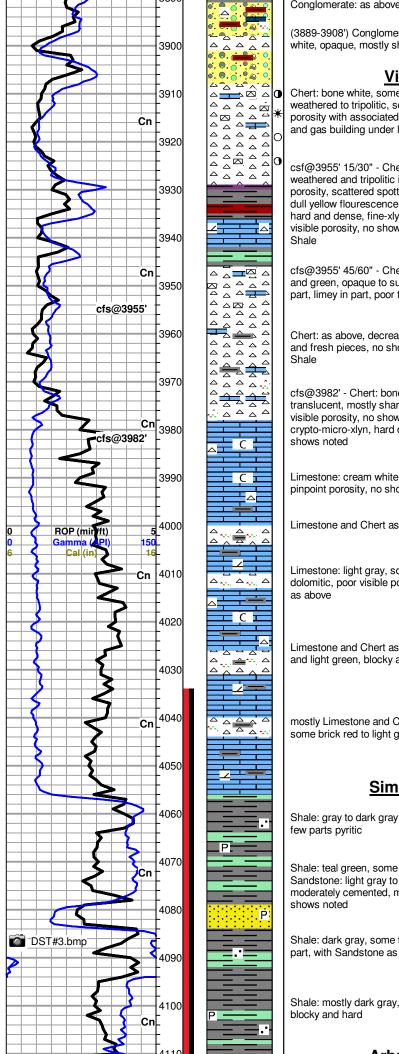








Mud-Co Mud Check -@3737 Wt: 9.25 Vis: 58 Pv: 15 YP; 18 pH: 10 WL: 9.6 -Cake 1/32nd Chl: 7,200 Cal: 0 Sol: 6.3 LCM: 0 -DMC: \$464.15 CMC: \$7,907.95 **Note Scale Change** C2 (units) C3 (uni Contaminated mud system Mud-Co Mud Check @3772 0810 hrs 12.11.13 Wt: 9.1 Vis: 49 Pv: 10 Yp: 23 pH: 9.0 WL: 14.2 Cake 1/32nd Chl: 12,800 Cal: 240 Sol: 5.0 LCM: Tr DMC: \$681.45 CMC: \$8,589.40 Total Gas (units



Conglomerate: as above, with dark gray blocky Shale

(3889-3908') Conglomerate and Shale as above, with increase in Chert: white, opaque, mostly sharp and fresh, trace tripolitic

### Viola 3908' (-1985)

Chert: bone white, some orange in lower part, opaque, mostly weathered to tripolitic, some sharp and fresh, few parts limey, fair vuggy porosity with associated staining, poor to fair show free light brown oil and gas building under lamp, dull yellow flourescence, no odor

csf@3955' 15/30" - Chert: bone white and gray, trace orange, opaque, weathered and tripolitic in part, most sharp and fresh, poor visible porosity, scattered spotty stains, slight show of gas building under lamp, dull yellow flourescence, no odor, with Limestone: light to dark gray, hard and dense, fine-xlyn, cherty in part, few parts dolomitic, poor visible porosity, no shows noted, lower part carrying much multicolored Shale

cfs@3955' 45/60" - Chert: bone white, light gray, and tan, some orange and green, opaque to sub-translucent, heavily weathered to tripolitic in part, limey in part, poor to fair vuggy porosity, no shows noted

Chert: as above, decrease in weathered texture and increase in sharp and fresh pieces, no shows noted, sample carrying some multicolored Shale

cfs@3982' - Chert: bone white, some orange and pink, opaque to subtranslucent, mostly sharp and fresh, trace weathered, limey in part, poor visible porosity, no shows noted, lower part Limestone: cream white, crypto-micro-xlyn, hard dense chalky matrix, poor visible porosity, no shows noted

Limestone: cream white and light gray, hard dense chalky matrix, poor pinpoint porosity, no shows noted, with Chert as above

Limestone and Chert as above, with few pieces dark gray Shale

Limestone: light gray, some cream white, hard dense matrix, few parts dolomitic, poor visible porosity, no shows noted, with varicolored Chert as above

Limestone and Chert as above, increase in Shale: dark gray, some red and light green, blocky and hard

mostly Limestone and Chert as above, with increase in Shale: dark gray, some brick red to light green, blocky and hard, trace sandy

# Simpson 4056' (-2133)

Shale: gray to dark gray and teal green, blocky and hard, sandy in part, few parts pyritic

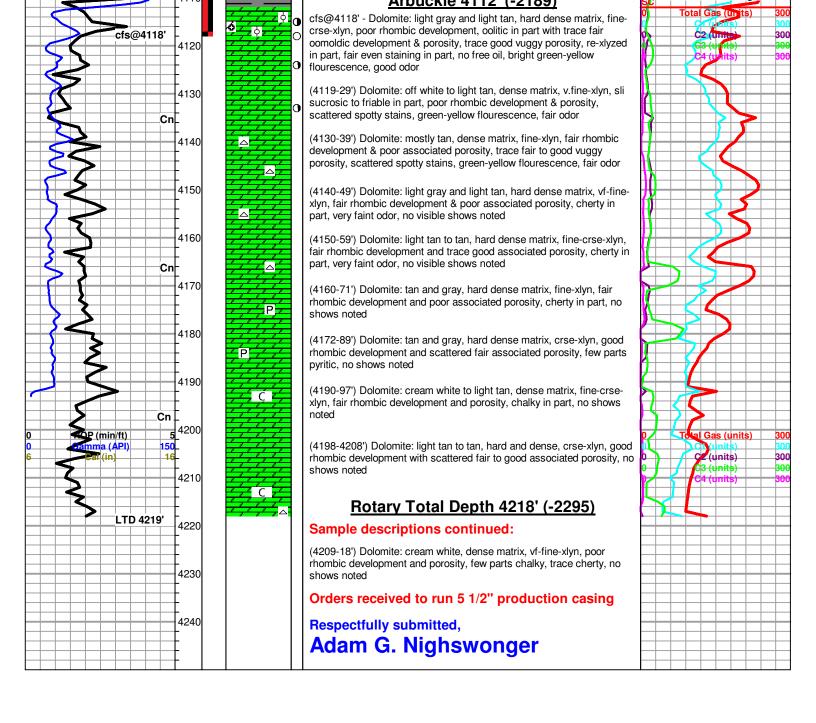
Shale: teal green, some dark gray, blocky and hard, pyritic in part, with Sandstone: light gray to dark tan, crse-grained, poorly sorted and moderately cemented, mostly rounded, poor inter-granular porosity, no shows noted

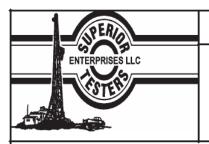
Shale: dark gray, some teal green and red, blocky and hard, pyritic in part, with Sandstone as above

Shale: mostly dark gray, some teal green, few parts sandy, trace pyritic, blocky and hard

C3 (units) Mud-Co Mud Check @4118' 0910 hrs 12.12.13 Wt: 9.4 Vis: 56 -Pv: 10 Yp: 35 pH: 9.5 WL: 14.4 Cake 2/32nd Chl: 14,300 Cal: 360 -Sol: 7.0 LCM: Tr DMC: \$1,556.20 CMC: \$10,145.60 Note Scale Change

Arbuoklo 4112' / 2190





Edison Operating Company LLC

Rix on #1-16 8100 East 22nd Steet North

Building 1900

Job Ticket: 18178 DST#: 1 Wichita, Kansas 67226

ATTN: Adam Nighsw onger Test Start: 2013.12.08 @ 00:00:00

#### GENERAL INFORMATION:

Lansing Kansas City

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

Time Tool Opened: 00:00:00 Gene Budig Tester: Time Test Ended: 00:00:00 Unit No: 3335

3707.00 ft (KB) To 3737.00 ft (KB) (TVD) Reference Bevations: 1925.00 ft (KB) Interval:

Total Depth: 3737.00 ft (KB) (TVD) 1920.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8419 Inside

Press@RunDepth: 1252.46 psia @ 3733.00 ft (KB) Capacity: 5000.00 psia Start Date: 2013.12.08 End Date: 2013.12.08 Last Calib.: 2013.12.08 Start Time: 09:15:00 End Time: Time On Btm: 15:56:30 2013.12.08 @ 11:16:30

Time Off Btm: 2013.12.08 @ 14:16:00

PRESSURE SUMMARY

16-24s-13w Stafford

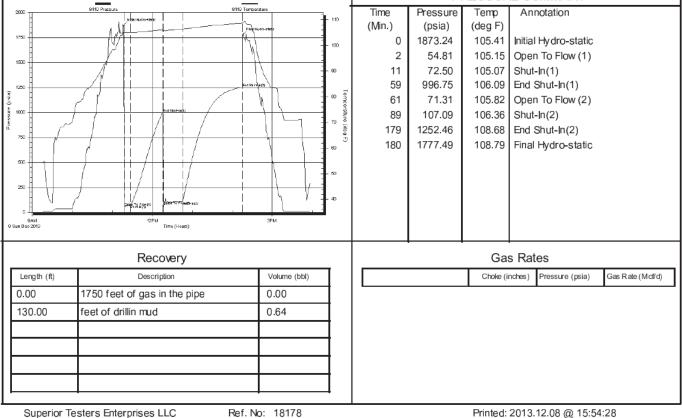
TEST COMMENT: 1st Opening 10 Mnutes-Weak building blow built to 8 inches into the water

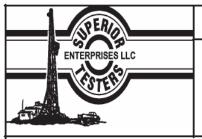
1st Shut-In 45 Minutes-No blow back

2nd Opening 30 Minutes-Strong blow bleed it off after 5 min. fair blow built to the bottom of the bucket in 3 minutes

2nd Shut-In 90 Minutes-No blow back

Pressure vs. Time





Edison Operating Company LLC 16-24s-13w Stafford

Rix on #1-16 8100 East 22nd Steet North

Building 1900 Job Ticket: 18179

Wichita, Kansas 67226 ATTN: Adam Nighsw onger Test Start: 2013.12.09 @ 00:00:00

#### GENERAL INFORMATION:

Lansing Kansas C"

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

Time Tool Opened: 00:00:00 Gene Budig 66 Tester:

Time Test Ended: 00:00:00 Unit No: 3335

Interval: 3740.00 ft (KB) To 3772.00 ft (KB) (TVD) Reference Bevations: 1925.00 ft (KB)

Total Depth: ft (KB) (TVD) 1920.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8419 Inside

Press@RunDepth: 212.49 psia @ 3768.00 ft (KB) Capacity: 5000.00 psia Start Date: 2013.12.09 End Date: 2013.12.09 Last Calib.: 2013.12.09 Start Time: 12:30:00 End Time: 18:22:00 Time On Btm: 2013.12.09 @ 14:25:30

Time Off Btm: 2013.12.09 @ 16:41:00

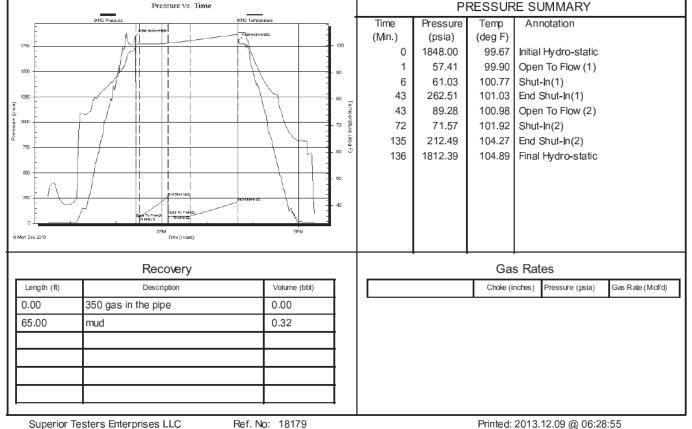
DST#: 2

TEST COMMENT: 1st Opening 10 Minutes-Weak Surface Bloe

1st Shut-In 30 Minutes-No blow back

2nd Opening 30 Minutes-weak building blow built to 8 inches into the water

2nd Shut-In 60 Minutes- No blow back





Edison Operating Company LLC 16-24s-13w Stafford

Rix on #1-16 8100 East 22nd Steet North

Building 1900 Job Ticket: 18180

DST#: 3 Wichita, Kansas 67226 ATTN: Adam Nighsw onger Test Start: 2013.12.10 @ 00:00:00

#### GENERAL INFORMATION:

Arbuckle

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

Time Tool Opened: 00:00:00 Gene Budig Tester: Time Test Ended: 00:00:00 Unit No: 3335-65

Interval: 4034.00 ft (KB) To 4118.00 ft (KB) (TVD) Reference Bevations: 1925.00 ft (KB)

Total Depth: 4118.00 ft (KB) (TVD) 1920.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8405 Outside

Press@RunDepth: 1456.56 psia @ 4114.94 ft (KB) Capacity: psia

Start Date: 2013.12.10 End Date: 2013.12.10 Last Calib .: 2013.12.10 Start Time: 09:30:00 End Time: 16:25:30 Time On Btm: 2013.12.10 @ 11:19:00 Time Off Btm: 2013.12.10 @ 14:20:30

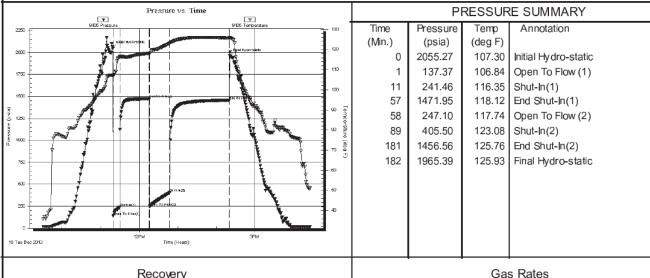
TEST COMMENT: 1st Opening 10 Minutes-Fair blow built of the bottom of a 5 gallon bucket in 3 minutes

Ref. No: 18180

1st Shut-In 45 Minutes-Weak blow back

2nd Opening 30 Minutes-Fair blow built to the bottom of a 5 gallon bucket in8 Minutes

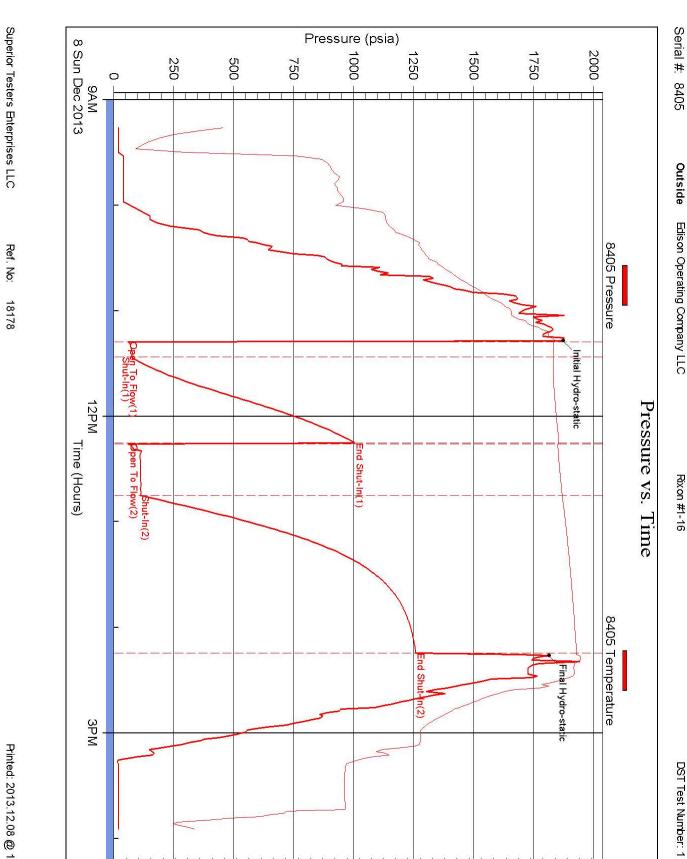
2nd Shut-In 90 Minutes-Weak blow back



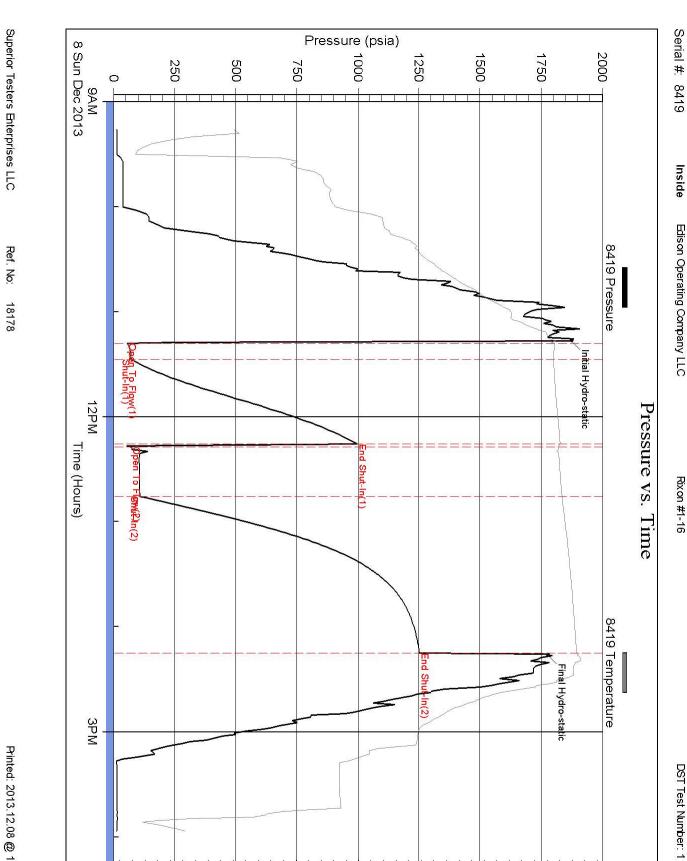
# Recovery

Length (ft)	Description	Volume (bbl)
40.00	oil cut muddy water	0.20
0.00	5%gas 45%oil 25%mud 25%w ater	0.00
120.00	Oil cut muddy w ater	0.59
0.00	5%Gas 35%oil 35%mud 25%w ater	0.00
180.00	`2%gas 34%oil 34%mud 30%w ater	1.79
120.00	oil cut muddy w ater	1.68

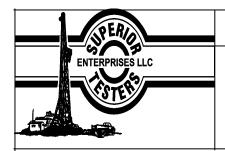
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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Temperature (deg F)



Temperature (deg F)



**FLUID SUMMARY** 

Edison Operating Company LLC

16-24s-13w Stafford

8100 East 22nd Steet North

Building 1900

Wichita, Kansas 67226

ATTN: Adam Nighsw onger

Rixon #1-16

Job Ticket: 18178

DST#:1

Test Start: 2013.12.08 @ 00:00:00

Printed: 2013.12.08 @ 15:54:29

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 58.00 sec/qt Cushion Volume: bbl

Water Loss: 9.60 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psia

Salinity: ppm Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
0.00	1750 feet of gas in the pipe	0.000
130.00	feet of drillin mud	0.639

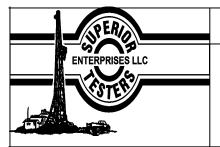
Total Length: 130.00 ft Total Volume: 0.639 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Ref. No: 18178

Recovery Comments:



**TOOL DIAGRAM** 

DST#: 1

Edison Operating Company LLC

16-24s-13w Stafford

8100 East 22nd Steet North

Building 1900

**Rixon #1-16**Job Ticket: 18178

Wichita, Kansas 67226

Test Start: 2013.12.08 @ 00:00:00

Printed: 2013.12.08 @ 15:54:29

ATTN: Adam Nighsw onger

Ref. No: 18178

**Tool Information** 

Drill Pipe: Length: 3453.00 ft Diameter: 3.80 inches Volume: 48.44 bbl Tool Weight: 2000.00 lb 2.86 inches Volume: 0.00 bbl Heavy Wt. Pipe: Length: 0.00 ft Diameter: Weight set on Packer: 2000.00 lb Drill Collar: Length: 241.00 ft Diameter: 2.25 inches Volume: 1.19 bbl Weight to Pull Loose: 69000.00 lb Total Volume: 49.63 bbl Tool Chased 0.00 ft

Drill Pipe Above KB: 15.00 ft
Depth to Top Packer: 3707.00 ft
Depth to Bottom Packer: ft

String Weight: Initial 55000.00 lb ft Final 57000.00 lb

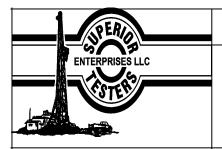
Interval betw een Packers: 30.00 ft
Tool Length: 58.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3684.00		
Hydrolic Tool	5.00			3689.00		
Jars	6.00			3695.00		
Safety Joint	2.00			3697.00		
Packer	5.00			3702.00	28.00	Bottom Of Top Packer
Packer	5.00			3707.00		
Perforations	25.00			3732.00		
Recorder	1.00	8419	Inside	3733.00		
Recorder	1.00	8405	Outside	3734.00		
Bullnose	3.00			3737.00	30.00	Bottom Packers & Anchor

Total Tool Length: 58.00



Edison Operating Company LLC

16-24s-13w Stafford

8100 East 22nd Steet North

ATTN: Adam Nighsw onger

Building 1900

**Rixon #1-16**Job Ticket: 18178

Wichita, Kansas 67226

DST#:1

Test Start: 2013.12.08 @ 00:00:00

### GENERAL INFORMATION:

Formation: Lansing Kansas City

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

Time Tool Opened: 00:00:00

Tester: Gene Budig
Time Test Ended: 00:00:00

Unit No: 3335

Interval: 3707.00 ft (KB) To 3737.00 ft (KB) (TVD) Reference Elevations: 1925.00 ft (KB)

Total Depth: 3737.00 ft (KB) (TVD) 1920.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8405 Outside

Press @ RunDepth: 1260.08 psia @ 3734.00 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2013.12.08
 End Date:
 2013.12.08
 Last Calib.:
 2013.12.08

 Start Time:
 09:15:00
 End Time:
 15:54:30
 Time On Btm:
 2013.12.08 @ 11:17:00

Time Off Btm: 2013.12.08 @ 14:16:00

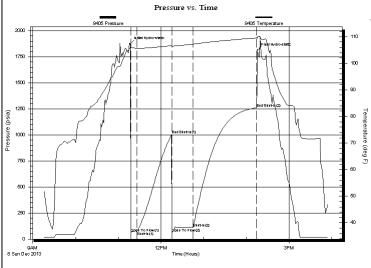
DDECCLIDE CLIMANA DV

TEST COMMENT: 1st Opening 10 Minutes-Weak building blow built to 8 inches into the water

1st Shut-In 45 Minutes-No blow back

2nd Opening 30 Minutes-Strong blow bleed it off after 5 min. fair blow built to the bottom of the bucket in 3 minutes

2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY										
	Time	Pressure	Temp	Annotation						
	(Min.)	(psia)	(deg F)							
	0	1872.58	105.99	Initial Hydro-static						
	1	60.33	105.73	Open To Flow (1)						
	9	73.31	105.67	Shut-In(1)						
4	58	1003.88	106.61	End Shut-In(1)						
Temperature (deo	59	61.33	106.41	Open To Flow (2)						
rature	88	110.79	107.15	Shut-In(2)						
fdea	178	1260.08	109.50	End Shut-In(2)						
פ	179	1813.89	109.97	Final Hydro-static						

#### Recovery

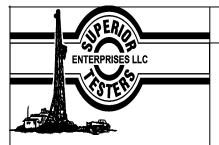
Length (ft)	Description	Volume (bbl)
0.00	1750 feet of gas in the pipe	0.00
130.00	feet of drillin mud	0.64

Gas Rat	es	
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

Superior Testers Enterprises LLC

Ref. No: 18178

Printed: 2013.12.08 @ 15:54:29



Edison Operating Company LLC

16-24s-13w Stafford

8100 East 22nd Steet North

Building 1900

**Rixon #1-16**Job Ticket: 18178

Reference Elevations:

DST#: 1

1925.00 ft (KB)

Wichita, Kansas 67226 ATTN: Adam Nighsw onger

Test Start: 2013.12.08 @ 00:00:00

### GENERAL INFORMATION:

Formation: Lansing Kansas City

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

Time Tool Opened: 00:00:00

Tester: Gene Budig
Time Test Ended: 00:00:00

Unit No: 3335

Interval: 3707.00 ft (KB) To 3737.00 ft (KB) (TVD)

Total Depth: 3737.00 ft (KB) (TVD) 1920.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8419 Inside

Press @ RunDepth: 1252.46 psia @ 3733.00 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2013.12.08
 End Date:
 2013.12.08
 Last Calib.:
 2013.12.08

 Start Time:
 09:15:00
 End Time:
 15:56:30
 Time On Btm:
 2013.12.08 @ 11:16:30

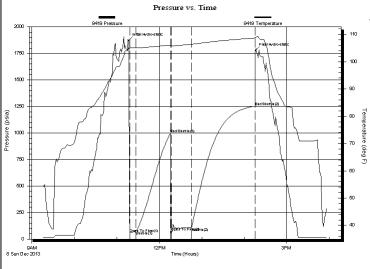
 Time Off Btm:
 2013.12.08 @ 14:16:00

TEST COMMENT: 1st Opening 10 Minutes-Weak building blow built to 8 inches into the water

1st Shut-In 45 Minutes-No blow back

2nd Opening 30 Minutes-Strong blow bleed it off after 5 min. fair blow built to the bottom of the bucket in 3 minutes

2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY				LE SUMMARY
	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	0	1873.24	105.41	Initial Hydro-static
	2	54.81	105.15	Open To Flow (1)
	11	72.50	105.07	Shut-ln(1)
_	59	996.75	106.09	End Shut-In(1)
Temperature (deg F)	61	71.31	105.82	Open To Flow (2)
rature	89	107.09	106.36	Shut-In(2)
(deq	179	1252.46	108.68	End Shut-In(2)
J	180	1777.49	108.79	Final Hydro-static

DDECCLIDE CLIMANA DV

#### Recovery

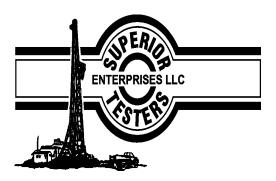
Length (ft)	Description	Volume (bbl)
0.00	1750 feet of gas in the pipe	0.00
130.00 feet of drillin mud		0.64
<b>-</b>		

Gas Rates			
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)	

Superior Testers Enterprises LLC

Ref. No: 18178

Printed: 2013.12.08 @ 15:54:28



Prepared For: Edison Operating Company LLC

8100 East 22nd Steet North

Building 1900

Wichita, Kansas 67226

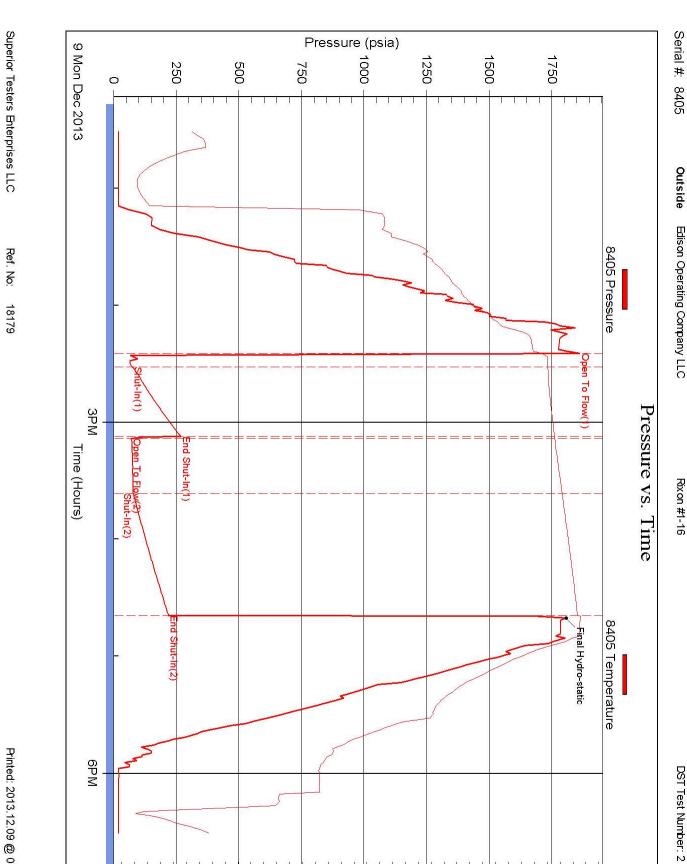
ATTN: Adam Nighswonger

#### Rixon #1-16

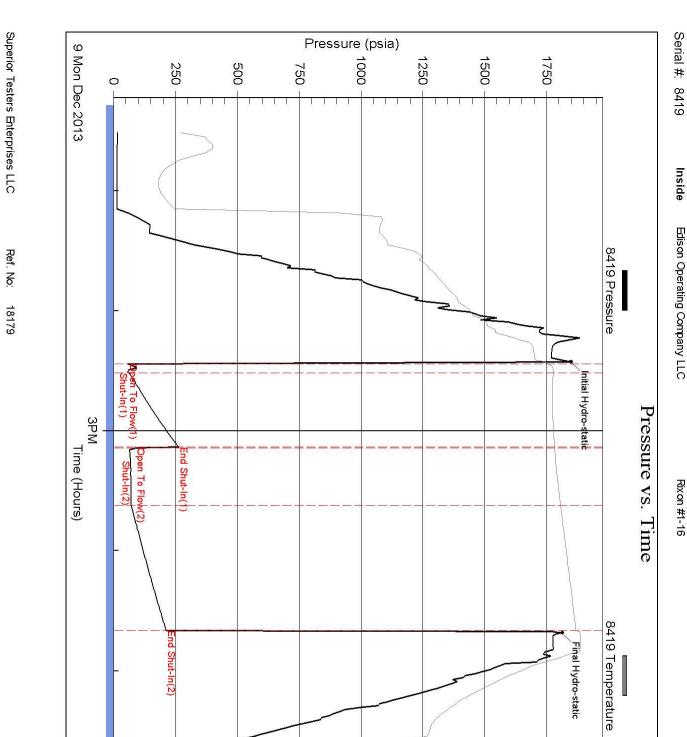
# 16-24s-13w Stafford

Start Date: 2013.12.08 @ 00:00:00
End Date: 2013.12.08 @ 00:00:00
Job Ticket #: 18178 DST #: 1

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



Temperature (deg F)

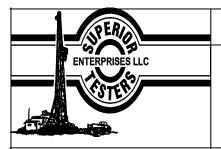


Temperature (deg F)

DST Test Number: 2

Printed: 2013.12.09 @ 06:28:56

6PM



**FLUID SUMMARY** 

Edison Operating Company LLC

16-24s-13w Stafford

8100 East 22nd Steet North

Building 1900

Wichita, Kansas 67226

ATTN: Adam Nighsw onger

Rixon #1-16

Job Ticket: 18179 **DST#:2** 

Printed: 2013.12.09 @ 06:28:56

Test Start: 2013.12.09 @ 00:00:00

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 58.00 sec/qt Cushion Volume: bbl

9.60 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psia

Salinity: 7200.00 ppm Filter Cake: 1.00 inches

Water Loss:

# Recovery Information

# Recovery Table

Length ft	Description	Volume bbl
0.00	350 gas in the pipe	0.000
65.00	mud	0.320

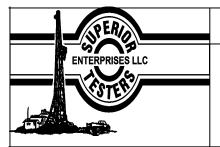
Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Ref. No: 18179

Recovery Comments:



**TOOL DIAGRAM** 

Edison Operating Company LLC

16-24s-13w Stafford

8100 East 22nd Steet North

ATTN: Adam Nighsw onger

6.75 inches

Ref. No: 18179

Building 1900

Job Ticket: 18179

Rixon #1-16

DST#: 2

2000.00 lb

Wichita, Kansas 67226

Test Start: 2013.12.09 @ 00:00:00

Tool Information

Drill Pipe: Length: 3488.00 ft Diameter: 3.80 inches Volume: 48.93 bbl Tool Weight: Heavy Wt. Pipe: 2.86 inches Volume: 0.00 bbl Length: 0.00 ft Diameter: Drill Collar: Length: 241.00 ft Diameter: 2.25 inches Volume: 1.19 bbl Total Volume: 50.12 bbl

Weight set on Packer: 20000.00 lb Weight to Pull Loose: 62000.00 lb Tool Chased 0.00 ft

Drill Pipe Above KB: 17.00 ft
Depth to Top Packer: 3740.00 ft

String Weight: Initial 55000.00 lb Final 55000.00 lb

Printed: 2013.12.09 @ 06:28:56

Depth to Bottom Packer: ft
Interval betw een Packers: 32.00 ft
Tool Length: 60.00 ft

Tool Comments:

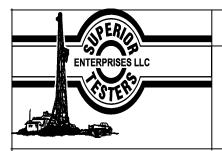
Number of Packers:

**Tool Description** Length (ft) Serial No. Position Depth (ft) Accum. Lengths Shut-In Tool 5.00 3717.00 Hydrolic Tool 5.00 3722.00 Jars 6.00 3728.00 Safety Joint 2.00 3730.00 Packer 3735.00 28.00 5.00 Bottom Of Top Packer Packer 5.00 3740.00 Perforations 27.00 3767.00 Recorder 1.00 8419 3768.00 Inside Recorder 1.00 8405 3769.00 Outside Bullnose 3.00 3772.00 32.00 Bottom Packers & Anchor

Total Tool Length: 60.00

2

Diameter:



Edison Operating Company LLC

16-24s-13w Stafford

Rixon #1-16

8100 East 22nd Steet North

Building 1900

Job Ticket: 18179

ATTN: Adam Nighsw onger

Wichita, Kansas 67226

Test Start: 2013.12.09 @ 00:00:00

#### **GENERAL INFORMATION:**

Lansing Kansas C"

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) ft (KB)

Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00

Tester:

Gene Budig 66

Unit No: 3335

1925.00 ft (KB)

DST#: 2

3740.00 ft (KB) To 3772.00 ft (KB) (TVD)

Reference Elevations:

Total Depth: ft (KB) (TVD)

KB to GR/CF:

1920.00 ft (CF) 5.00 ft

Hole Diameter: 7.88 inches Hole Condition: Fair

Serial #: 8405 Outside

Press@RunDepth: 218.83 psia @ 3769.00 ft (KB)

Capacity: Last Calib.: 5000.00 psia

Start Date: 2013.12.09 End Date:

2013.12.09 18:31:00 2013.12.09

Start Time:

12:30:00

End Time:

Time On Btm:

Interval:

Time Off Btm:

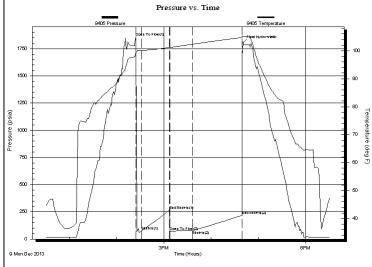
2013.12.09 @ 16:40:30

TEST COMMENT: 1st Opening 10 Minutes-Weak Surface Bloe

1st Shut-In 30 Minutes-No blow back

2nd Opening 30 Minutes-weak building blow built to 8 inches into the water

2nd Shut-In 60 Minutes- No blow back



	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	0	1861.64	99.17	Open To Flow (1)
	7	75.60	100.11	Shut-In(1)
	43	268.02	101.15	End Shut-In(1)
1	44	71.59	101.14	Open To Flow (2)
	72	77.45	102.30	Shut-In(2)
	135	218.83	104.71	End Shut-In(2)
	136	1806.25	105.13	Final Hydro-static
,				

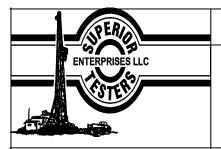
PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
0.00	350 gas in the pipe	0.00
65.00 mud		0.32
-		·

Gas Rat		
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

Ref. No: 18179 Superior Testers Enterprises LLC Printed: 2013.12.09 @ 06:28:55



Edison Operating Company LLC

16-24s-13w Stafford

8100 East 22nd Steet North

Building 1900

Wichita, Kansas 67226

ATTN: Adam Nighsw onger

Rixon #1-16

Tester:

Unit No:

Job Ticket: 18179 **DST#: 2** 

Test Start: 2013.12.09 @ 00:00:00

#### **GENERAL INFORMATION:**

Formation: Lansing Kansas C"

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

Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00

Interval:

3740.00 ft (KB) To 3772.00 ft (KB) (TVD) Referen

Total Depth: ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1925.00 ft (KB)

Gene Budig 66

3335

1920.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8419 Inside

Press @ RunDepth: 212.49 psia @ 3768.00 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2013.12.09
 End Date:
 2013.12.09
 Last Calib.:
 2013.12.09

 Start Time:
 12:30:00
 End Time:
 18:22:00
 Time On Btm:
 2013.12.09 @ 14:25:30

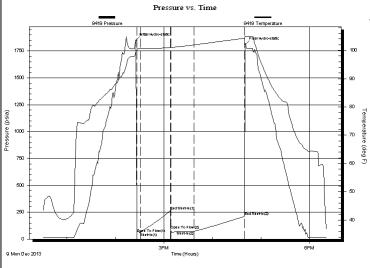
 Time Off Btm:
 2013.12.09 @ 16:41:00

TEST COMMENT: 1st Opening 10 Minutes-Weak Surface Bloe

1st Shut-In 30 Minutes-No blow back

2nd Opening 30 Minutes-weak building blow built to 8 inches into the water

2nd Shut-In 60 Minutes- No blow back



Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	0	1848.00	99.67	Initial Hydro-static
	1	57.41	99.90	Open To Flow (1)
	6	61.03	100.77	Shut-In(1)
,	43	262.51	101.03	End Shut-In(1)
Temperature	43	89.28	100.98	Open To Flow (2)
rature	72	71.57	101.92	Shut-In(2)
deb	135	212.49	104.27	End Shut-In(2)
פ	136	1812.39	104.89	Final Hydro-static

Cac Datas

PRESSURE SUMMARY

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	.00 350 gas in the pipe	
65.00 mud		0.32
-		

Ods Naics					
Choko (inchos)	Proceuro (peia)	Gas Pato (Mof/d)			

Superior Testers Enterprises LLC

Ref. No: 18179

Printed: 2013.12.09 @ 06:28:55



Prepared For: Edison Operating Company LLC

8100 East 22nd Steet North

Building 1900

Wichita, Kansas 67226

ATTN: Adam Nighswonger

#### Rixon #1-16

# 16-24s-13w Stafford

Start Date: 2013.12.09 @ 00:00:00

End Date: 2013.12.09 @ 00:00:00

Job Ticket #: 18179 DST #: 2

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