

Confidentiality Requested:

#### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1198855

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  North / 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.xxxx) (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:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
G G GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
	If yes, show depth set: Feet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from:
Operator:	
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)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Commingled Permit #      Dual Completion Permit #:	Dewatering method used:
☐ SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR     Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. 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 II Approved by: Date:

	Page Iwo	1198855
Operator Name:	Lease Name:	Well #:
Sec TwpS. R	County:	
INCTRUCTIONS: Chain important tang of formations paratrated De	tail all aaraa Danart all final	appiag of drill stamp tasta giving interval tastad time tast

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 She	eets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne		ion, 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 / SQU	EEZE RECORD			
Purpose:	Depth	Trace of Ocean ant	III On also I land		Turne and D		

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

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

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					e	,	Acid, Fracture, Shot, Ce (Amount and Kino	ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	e:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed	l Producti	on, SWD or ENHF	<b>}</b> .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS: METHOD OF			OF COMPLE	IPLETION: PRODUCTION INTERVAL:						
Vented Solo	d 🗌 l	Jsed on Lease		Open Hole	Perf.	Dually		Commingled		
(If vented, Su	ıbmit ACO	-18.)		(Submit A			,	(Submit ACO-4)		

Form	ACO1 - Well Completion			
Operator	Edison Operating Company LLC			
Well Name	Eva Jean 1-19			
Doc ID	1198855			

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
surface casing	12.25	8.625	28	1528	Common	360	

Â	BASIC	4
	ENERGY SERVICES	

1700 S. Country Estates Rd. Liberal, Kansas 67905 Phone 620-624-2277

# FIELD SERVICE TICKET 1717 05628 A

PHESS	NG & WIRELINE				DATE TICKET NO				
JOB 03-14-14 DISTRICT / 717 Zibershy KG							PROD INJ WDW CUSTOMER ORDER NO.:		
CUSTOMER Ectison Opennoting					LEASE	VA Je			
ADDRESS	v				COUNTY Sevand STATE KS				
CITY		STATE			SERVICE CREW Regar- Experiel- Even- Gababal				
AUTHORIZED BY	Jenny Q	Servicett JRE	2		JOB TYPE:	242	85/2" Sunlary		
EQUIPMENT#	HRŚ	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALLED US/14/14 DATE PM JUSE		
21755	68					_	ARRIVED AT JOB 03/14/14 AM 1500		
- 38/17-199/9 -	- 6 -	These designs	_		_	-	START OPERATION 03/14/14 AM 1800		
- 38111-37724	6					-	FINISH OPERATION AS/14/14 AM 20/0		
- 33021-14284-	6			_	1	_	RELEASED 03/14/14 AM 2030		
							MILES FROM STATION TO WELL 12		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Kr

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES U	JSED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUN	١T
CLIOI	"Alin' Bland	V	sk	360		6696	60
CLIFO	Prominer Plus Comot	V	sk	150	~	2445	
CC109	Calchun Chloride	レ	Ab	1299		1363	95
CC102	Cello flake	~	16	128		473	60
00130	C-5-1	~	lb	68		1700	60
CF-753	Contale Shoe - Regular - 85/81		En	1		380	00
CF1453	Flappen Type Insont Flat Valve Stal Contantizen 85/8' X12/14'	- V	En	1		280	00
C-F1773	Contralizer 85/8 1/12/41		En	2		290	00
CF1500	Solv BASKet-LAWVAS	$\checkmark$	EN	1		1050	00
CF105	Top Ruppen Conort Oluc, Stat	~	rEn.	1		225	00
6101	Hepry Equipment While apo		mi	36		25Z	00
C.E240	Blending & Mixing Sawice Plange		śk	510		714	00
E113	PROPART AND BUCK Deliving Charles		Ru/mi	288		633	60
CE202	Depth Change 1001-2000'		4 Has	1			60
CBSOU	Plug Containen Utilleption Change		jab	1		250	00
B100	Unit Milange Charge - Piving		mi	12		51	00
5003	Service Sudemison, First & HRS ON Love		e.A	1		175	60
T105	Comment Dates Acquisition Moulton		19M	1		550	Ø
					SUB TOTAL	1162-1	61
				0/ 3 4 1		14271	He
		ERVICE & EQUIPN			ON \$	0	_
				/01AA	TOTAL		_
					IUTAL		

Jagen Brown SERVICE REPRESENTATIVE

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

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Ruck

(B)	BA	SIC
	ENERGY	SERVICES
No. of Concession, Name	PRESSURE PUMP	ING & WIRELINE

## 1700 S. Country Estates Rd. Liberal, Kansas 67905 Phone 620-624-2277

# FIELD SERVICE TICKET 1717 04211 A

An (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRESSURE P	OMPING & WIHELINE			DATE 1	ICKET NO	
DATE OF 3-22-14	DISTRICT 1717		NEW MELL WE			STOMER DER NO.:
CUSTOMER Edison	Operating		LEASE EVA	Jean	1-19	WELL NO.
ADDRESS	• • 5		COUNTY See		STATE KS	
CITY	STATE		SERVICE CREV	ULANSantia	go Carlos	
AUTHORIZED BY	y Bennett II	RB	ЈОВ ТҮРЕ: 7	-42 PTR	L	
EQUIPMENT# H	RS EQUIPMENT#	HRS EQ	UIPMENT# H	HRS TRUCK CALLE	D DATE	
39878	7			ARRIVED AT J	ОВ	\$ 8:00
38750	•			START OPERA	TION	A 9:00
19892 -	-			FINISH OPERA		12:00
30454 =				RELEASED		AM 12130
				MILES FROM S	STATION TO WELL	25

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP. SIGNED: Kuck

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUN	٩T
C163	60140 POZ	~ sks	170		2040	00
60200	Cement GP	116	294		73	50
eloi	Heavy Equipment Mileage	mi	56		350	00
cetyo	Blooding Brizing Charge	sks	170		238	00
e113	Balk Delivery Charge	FM	184		404	25
10707	Do othe charge 1001-7000	yhrs	1		1500	00
e100	Unit Milesore Charge Pickup	mi	25		106	25
5063	Unit Milesge Charge Pickup Service Supervisor	eq	Ĩ		175	0
			1			
						_
						-
		(C)				
						-
						_
						-
				1		-
				SUB TOTAL	4,887.	00

CHEM	CAL / ACID	DATA:	

SERVICE & EQUIPMENT %TAX ON \$ MATERIALS %TAX ON \$

TOTAL

SERVICE REPRESENTATIVE

FIELD SERVICE ORDER NO.

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

ĸ ĸ

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

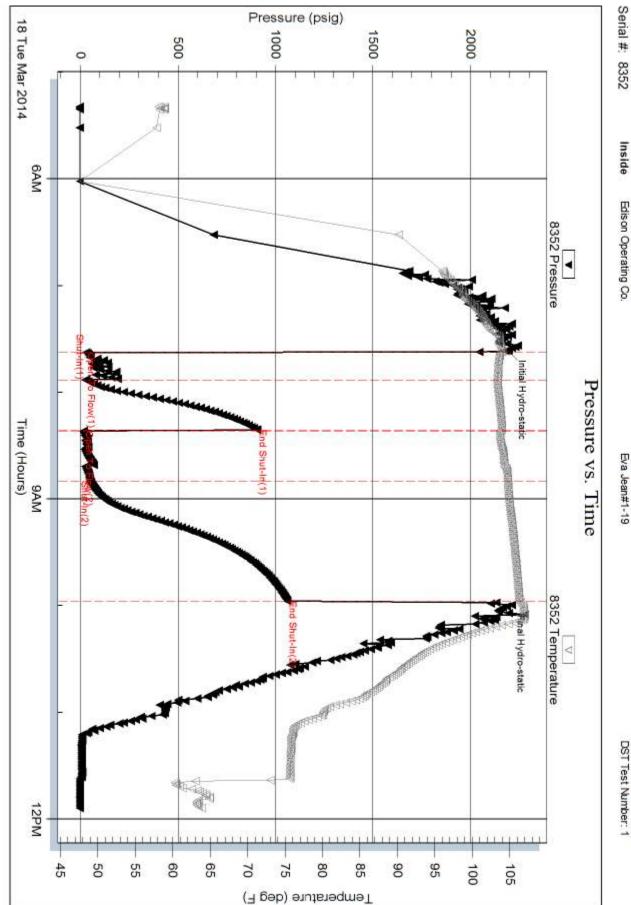
	DRILL STEM TES	T REP	ORT				
RILOBITE	Edison Operating Co.		19-3	34s-31w	Sewar	d Ks	
ESTING , INC	8100 E.22ND St. N. Bldg.1900		Eva	Jean#	1-19		
	Wichita Ks.67226		Job <sup>-</sup>	Ticket: 51	889	DST#	<sup>t</sup> :1
MOR.	ATTN: Adam Nighsw onger		Test	Start: 20	14.03.18	@ 05:19:14	
GENERAL INFORMATION:							
Formation:Toronto-Deviated:NoWhipstock:Time Tool Opened:07:37:29Time Test Ended:11:53:59	ft (KB)		Test Teste Unit I	er: C	Conventio Gary Pevo 56	nal Bottom F oteaux	lole (Initial)
Interval:4386.00 ft (KB) To44Total Depth:4416.00 ft (KB) (TvHole Diameter:7.88 inches Hole	/D)		Refe	erence ⊟e KB te	vations: o GR/CF:	2720.0	00 ft (KB) 10 ft (CF) 10 ft
Serial #:8352InsidePress@RunDepth:51.71 psigStart Date:2014.03.18Start Time:05:19:19TEST COMMENT:IF:Weak blow . 1/2	End Date: End Time:	2014.03.18 11:53:58	Capacity: Last Calib Time On E Time Off B	o.: Btm: 2		8000.0 2014.03.1 8 @ 07:36:4 8 @ 10:00:2	4
ISI:No blow . FF:No blow . FSI:No blow .		1					
Pressure vs. T 332 Pressure	nance ⊽ 8352 Temperature	Time	PR Pressure	ESSUR Temp	E SUM		
		(Min.) 0 1 16 45	(psig) 2192.86 29.97 25.10 905.97 17.37	(deg F) 104.02 103.54 103.32 103.97	Initial Hy Open To	dro-static Flow (1) 1) t-ln(1)	
		74	51.71 1061.19 2185.09		Shut-In(2 End Shu	2)	
18 Tue Mar 2014 Time (Hous)							
Length (ft) Description	Volume (bbl)			Gas Choke (ir	s Rates	ssure (psig)	Gas Rate (Mcf/d)
12.00 Drlg.mud .(cuttings & hull					101103) FIE		
Trilobite Testing, Inc	Ref. No: 51889				2014.03.		

(OD) TRU OR		ILL STEM TEST RE	EPORT		F	FLUID SUMMAR
	TING, INC 8100	n Operating Co.		19-34s-31w	Seward Ks	;
EST.		E.22ND St. N. Bldg.1900	I	Eva Jean#	1-19	
	Wichit	a Ks.67226		Job Ticket: 5 <sup>-</sup>	1889	DST#:1
	ATTN	: Adam Nighsw onger	-	Test Start: 20	)14.03.18 @ 05	:19:14
lud and Cushion Info	ormation					
lud Type: Gel Chem		Cushion Type:			Oil API:	deg AP
ud Weight: 9.00 l	-	Cushion Length:			Water Salinity:	6100 ppm
iscosity: 51.00 s /ater Loss: 40.95 ii		Cushion Volume: Gas Cushion Type:	ſ	bbl		
	ohm.m	Gas Cushion Pressure:		osig		
alinity: 6100.00 p			,			
ecovery Information	 າ					
	J <del></del>	Recovery Table				
	Length ft	Description		Volume bbl		
	12.00	Drlg.mud .(cuttings & hulls)		0.168		
To	tal Length: 12	2.00 ft Total Volume:	0.168 bbl			
Nu	ım Fluid Samples: 0	Num Gas Bombs:	0	Serial #:	none	
	boratory Name:	Laboratory Location:	•	ocriar <i>i</i> .	none	

Printed: 2014.03.18 @ 13:55:09

Ref. No: 51889

Trilobite Testing, Inc



Eva Jean#1-19

Inside

Edison Operating Co.

DST Test Number: 1

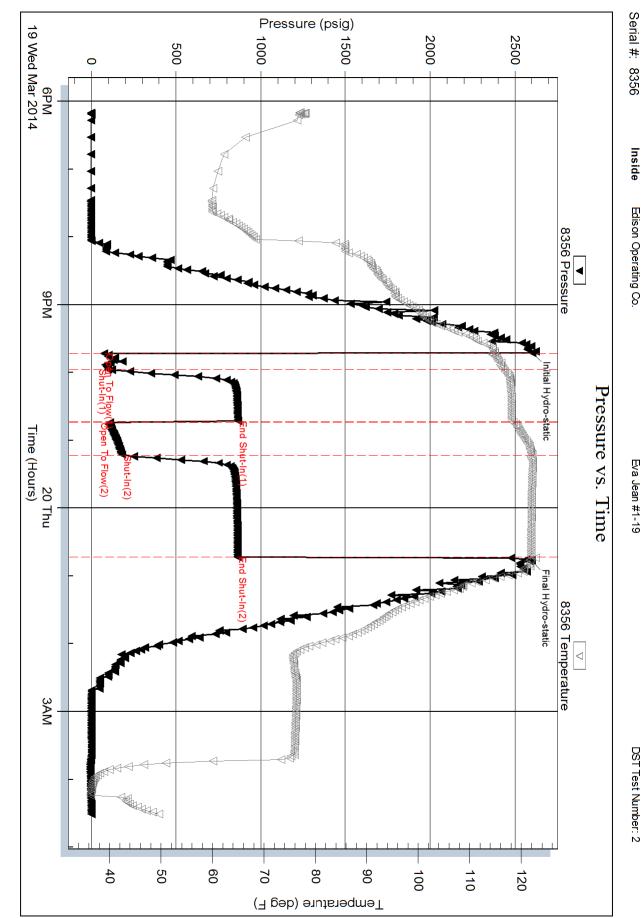
( ) <b>- (</b> ) )	RILOBITE							
<b>A</b>	ESTING , INC.	Edison Operating Co.		19-	34s-31w	Seward	Ks	
	ESTING, INC.	8100 E.22ND St. N. Bldg.19	900	Eva	a Jean #	<b>#1-19</b>		
		Wichita Ks.67226		Job	Ticket: 56	6503	DST#:2	
		ATTN: Adam Nighsw ong	er	Tes	t Start: 20	014.03.19 @	2 18:10:00	
GENERAL	INFORMATION:							
Formation:	Marmaton							
•	No Whipstock: ened: 21:43:00 ded: 04:31:00	ft (KB)		Tes	ter:	Conventiona Cornelio Lan 60	al Bottom Hole nda III	(Reset)
Interval:	5136.00 ft (KB) To 52	20.00 ft (KB) (TVD)		Ref	erence Ele	evations:	2730.00 f	t (KB)
Total Depth:	5220.00 ft (KB) (T						2720.00 f	
Hole Diameter	r: 7.88 inchesHole	Condition: Fair			KB t	to GR/CF:	10.00 f	ft
Serial #: 8								
Press@RunD				Capacity			8000.00	psig
Start Date: Start Time:	2014.03.19 18:10:05	End Date: End Time:	2014.03.20 04:31:00			2014.03.19	2014.03.20 @ 21:42:30	
Jan IIIIE.	10.10.05		04.31.00	Time Off		2014.03.19 2014.03.20		
	FF: B.o.b. in 30 s		to B.o.b. in 9 min.	- 16 min. total	RESSUF	RE SUMM	IARY	1/2 in.
	FF: B.o.b. in 30 s FSI: Bled off in 7 Pressure vs. T	econds-GTS @ 20 min. into minSurface blow back-Built		- 16 min. total				1/2 in.
700	FF: B.o.b. in 30 s FSI: Bled off in 7 Pressure vs. T	econds-GTS @ 20 min. into minSurface blow back-Built	to B.o.b. in 9 min.	- 16 min. total Pl Pressure	RESSUF Temp		IARY	1/2 in.
2700	FF: B.o.b. in 30 s FSI: Bled off in 7 Pressure vs. T	econds-GTS @ 20 min. into minSurface blow back-Built	to B.o.b. in 9 min.	- 16 min. total PI Pressure (psig)	RESSUF	RE SUMM	IARY on o-static	1/2 in.
2300	FF: B.o.b. in 30 s FSI: Bled off in 7 Pressure vs. T	econds-GTS @ 20 min. into minSurface blow back-Built	to B.o.b. in 9 min. Time (Min.) 0 1	- 16 min. total Pressure (psig) 2603.35 76.70	RESSUF Temp (deg F) 114.81 114.29	RE SUMM Annotation	IARY on o-static Flow (1)	1/2 in.
-	FF: B.o.b. in 30 s FSI: Bled off in 7 Pressure vs. T	econds-GTS @ 20 min. into minSurface blow back-Built	to B.o.b. in 9 min. Time (Min.) 0 10 10 15 61	- 16 min. total Pressure (psig) 2603.35 76.70	RESSUF Temp (deg F) 114.81 114.29 116.46	RE SUMM Annotation Initial Hydro Open To F Shut-In(1)	IARY on o-static Flow (1)	1/2 in.
2000 - - - - - - - - -	FF: B.o.b. in 30 s FSI: Bled off in 7 Pressure vs. T	econds-GTS @ 20 min. into minSurface blow back-Built	to B.o.b. in 9 min. Time (Min.) 100 110 100 15 61	- 16 min. total Pressure (psig) 2603.35 76.70 99.52	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15	RE SUMM Annotation	IARY on o-static Flow (1) In(1)	1/2 in.
2009 - - - - - - - - - - - - - -	FF: B.o.b. in 30 s FSI: Bled off in 7 Pressure vs. T	econds-GTS @ 20 min. into minSurface blow back-Built	to B.o.b. in 9 min. Time (Min.) 0 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12	RE SUMM. Annotatic Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2)	IARY on lo-static flow (1) ln(1) flow (2)	1/2 in.
2009 - - - - - - - - - - - - - -	FF: B.o.b. in 30 s FSI: Bled off in 7 Pressure vs. T	econds-GTS @ 20 min. into minSurface blow back-Built	to B.o.b. in 9 min. Time (Min.) 0 15 15 61 50 15 61 50 15 61 50 15 15 15 15 15 15 15 15 15 15	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58 861.43	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12 121.91	RE SUMM. Annotatic Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	IARY on o-static Flow (1) In(1) Flow (2) In(2)	1/2 in.
	FF: B.o.b. in 30 s FSI: Bled off in 7 Pressure vs. T	econds-GTS @ 20 min. into minSurface blow back-Built	to B.o.b. in 9 min. Time (Min.) 0 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12	RE SUMM. Annotatic Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	IARY on o-static Flow (1) In(1) Flow (2) In(2)	1/2 in.
2000	FF: B.o.b. in 30 s FSI: Bled off in 7 Pressure vs. T	econds-GTS @ 20 min. into minSurface blow back-Built	to B.o.b. in 9 min. Time (Min.) 0 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58 861.43	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12 121.91	RE SUMM. Annotatic Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	IARY on o-static Flow (1) In(1) Flow (2) In(2)	1/2 in.
2000	FF: B.o.b. in 30 s FSI: Bled off in 7 Pressure vs. T	econds-GTS @ 20 min. into minSurface blow back-Built	to B.o.b. in 9 min. Time (Min.) 10 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58 861.43	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12 121.91	RE SUMM. Annotatic Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	IARY on o-static Flow (1) In(1) Flow (2) In(2)	1/2 in.
	FF: B.o.b. in 30 s FSI: Bled off in 7	econds-GTS @ 20 min. into minSurface blow back-Built me <u>RSO Tomposite</u>	to B.o.b. in 9 min. Time (Min.) 10 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58 861.43	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12 121.91	RE SUMM. Annotatic Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	IARY on o-static Flow (1) In(1) Flow (2) In(2)	1/2 in.
	FF: B.o.b. in 30 s FSI: Bled off in 7	econds-GTS @ 20 min. into minSurface blow back-Built me <u>RSO Tomposite</u>	to B.o.b. in 9 min. Time (Min.) 10 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58 861.43	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12 121.91 121.60	RE SUMM. Annotatic Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In	IARY on o-static Flow (1) In(1) Flow (2) In(2)	1/2 in.
	FF: B.o.b. in 30 s FSI: Bled off in 7	econds-GTS @ 20 min. into minSurface blow back-Built me <u>RSO Tomposite</u>	to B.o.b. in 9 min. Time (Min.) 10 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58 861.43	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12 121.91 121.60	RE SUMM Annotatio Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	IARY on o-static Flow (1) In(1) Flow (2) In(2) o-static	
2000 1000 500 500 10	FF: B.o.b. in 30 s FSI: Bled off in 7	econds-GTS @ 20 min. into minSurface blow back-Built ime xxx Exponence	to B.o.b. in 9 min. Time (Min.) 10 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58 861.43	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12 121.91 121.60	RE SUMM Annotatio Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	IARY on o-static flow (1) In(1) flow (2) In(2) o-static	
2000 1500 1500 100 1000 1	FF: B.o.b. in 30 s FSI: Bled off in 7	econds-GTS @ 20 min. into minSurface blow back-Built sone sone sone sone sone sone sone sone	to B.o.b. in 9 min. Time (Min.) 10 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58 861.43	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12 121.91 121.60	RE SUMM Annotatio Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	IARY on o-static flow (1) In(1) flow (2) In(2) o-static	
2000 1500	FF: B.o.b. in 30 s FSI: Bled off in 7	econds-GTS @ 20 min. into minSurface blow back-Built me xoo tereproduce	to B.o.b. in 9 min. Time (Min.) 10 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58 861.43	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12 121.91 121.60	RE SUMM Annotatio Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	IARY on o-static flow (1) In(1) flow (2) In(2) o-static	
2000 1000 1000 1000 1000 1000 1000 1000 1000 126.00 35.00	FF: B.o.b. in 30 s FSI: Bled off in 7	econds-GTS @ 20 min. into minSurface blow back-Built ime xx0 Temporare xx0 Te	to B.o.b. in 9 min. Time (Min.) 10 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58 861.43	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12 121.91 121.60	RE SUMM Annotatio Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	IARY on o-static flow (1) In(1) flow (2) In(2) o-static	
2000 500 500 Length (ft) 126.00 126.00	FF: B.o.b. in 30 s FSI: Bled off in 7	econds-GTS @ 20 min. into minSurface blow back-Built me xxx Emponent xxx I and a second xxx I and a	to B.o.b. in 9 min. Time (Min.) 10 10 10 10 10 10 10 10 10 10	- 16 min. total Pressure (psig) 2603.35 76.70 99.52 863.81 111.69 181.58 861.43	RESSUF Temp (deg F) 114.81 114.29 116.46 118.15 118.42 122.12 121.91 121.60	RE SUMM Annotatio Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	IARY on o-static flow (1) In(1) flow (2) In(2) o-static	1/2 in.

	RILOBITE	DRI	ILL STEM TEST REPO	RT	F	LUID SUMMAR
		Edison	Operating Co.	19-34s-3 <sup>-</sup>	1w Seward Ks	
	ESTING , IN			Eva Jea	n #1 10	
	<b>1</b> - • • • • • • • • • •	0.00	E.22ND St. N. Bldg.1900 a Ks.67226			507 <i>"</i> -
				Job Ticket:		DST#:2
		ATTN:	Adam Nighsw onger	Test Start:	2014.03.19 @ 18:	10:00
Mud and Cu	shion Informatio	า				
/lud Type: Ge			Cushion Type:		Oil A PI:	deg API
Mud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	46000 ppm
iscosity:	44.00 sec/qt		Cushion Volume:	bbl		
Vater Loss:	6.20 in <sup>3</sup>		Gas Cushion Type:			
Resistivity:	0.00 ohm.m		Gas Cushion Pressure:	psig		
alinity:	4500.00 ppm					
ilter Cake:	2.00 inches					
Recovery In	formation		Recovery Table			
	r		-		_	
		ngth ft	Description	Volume		
		ft		bbl		
		126.00	Mcgw 10m 40g 50w	1.7		
		63.00	Wcm & G 15w 15m 70g	0.8		
		100.00		1.7	671	
		126.00	Mcg 30m 70g			
		126.00 35.00 0.00	Mcg 30m 70g Gm 5g 95m Gas to surface	0.4	91	
	Total Length Num Fluid Sa	35.00 0.00 350	Gm 5g 95m	0.4	91 00	
		35.00 0.00 350 mples: 0	Gm 5g 95mGas to surface0.00 ftTotal Volume:4.909	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	
	Num Fluid Sa Laboratory N	35.00 0.00 350 mples: 0 lame:	Gm 5g 95m         Gas to surface         0.00 ft       Total Volume:       4.909         Num Gas Bombs:       0         Laboratory Location:	0.4 0.0	91 00	

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Ref. No: 56503





DST Test Number: 2

Serial #: 8356 Inside Edison Operating Co.