Confidentiality Requested: Yes No

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

1147600

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:
□ 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 #: 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	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:									
Date: Confidential Release Date: Wireline Log Received									
Confidential Release Date:									
Geologist Report Received									
Confidentiality Requested Date: Confidential Release Date: Wireline Log Received									
ALT I II III Approved by: Date:									

	Page Two	1147600
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

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		Yes No		.og Formatio	n (Top), Depth an	Top), Depth and Datum				
Samples Sent to Geolog		Yes No	Nam	e		Тор	Datum			
Cores Taken Electric Log Run		Yes No								
List All E. Logs Run:										
		CASING Report all strings set-c	RECORD Ne		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 / SQU	JEEZE RECORD						
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives						
Protect Casing Plug Back TD										
Plug Off Zone										
Did you perform a hydraulic	fracturing treatment of	on this well?		Yes	No (If No, skip	o questions 2 an	d 3)			
	0	raulic fracturing treatment ex	ceed 350,000 gallons			question 3)				

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge Pl Each Interval P		e		Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner F		No	
Date of First, Resumed	I Product	ion, SWD or ENH	۲.	Producing M	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbls.		Gas Mcf		Water		Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:				METHOD OF COMPLE					PRODUCTION INT	ERVAL:
Vented Sold Used on Lease			Open Hole Perf. Dually (Submit A					Commingled (Submit ACO-4)		
(If vented, Su	bmit ACC	D-18.)		Other (Specify)						

Yes

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

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	MERMIS 'B' 'OWWO' 2-31
Doc ID	1147600

All Electric Logs Run

DIL
CDL/CNL
BHCS
CPI
Microresistivity
Sonic Cement Bond Log

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	MERMIS 'B' 'OWWO' 2-31
Doc ID	1147600

Tops

Name	Тор	Datum					
Herrington	1932	+72					
Winfield	1988	+16					
Towanda	2051	-47					
Fort Riley	2093	-89					
B/Florence	2190	-186					
Wrefold	2238	-234					
Council Grove	2257	-253					
Crouse	2307	-303					
Neva	2434	-430					
Red Eagle	2497	-493					
Onaga Shale	2646	-642					
Wabaunsee	2666	-662					
Root Shale	2760	-756					
Stotler	2789	-785					
Tarkio	2846	-842					
Howard	2992	-988					
Severy Shale	3052	-1048					
Topeka	3070	-1066					
Heebner	3330	-1326					
Toronto	3348	-1344					
Douglas Shale	3361	-1357					
Brown Lime	3424	-1420					
LKC	3433	-1429					
Drum	3578	-1574					

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	MERMIS 'B' 'OWWO' 2-31
Doc ID	1147600

Tops

Name	Тор	Datum
ВКС	3738	-1734
Arbuckle	3771	-1767
RTD	4500	-2496

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



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

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

June 13, 2013

Loveness Mpanje F. G. Holl Company L.L.C. 9431 E CENTRAL STE 100 WICHITA, KS 67206-2563

Re: ACO1 API 15-009-22892-00-01 MERMIS 'B' 'OWWO' 2-31 SW/4 Sec.31-20S-15W Barton County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Loveness Mpanje

Mud-Co / Service Mud Inc.

Operato		FG Holl				County	Barton		State <u>Kansas</u>			Pump	6	x	x <u>14</u>		60	SPM	Casing P	Program	8 5/8		1026 f								
Well		Mermis B OWWO #2-31					Location								GPM			7.75	BPM				"@	f	t.						
Contract	or	Duke	#8				Sec	31	TWP	20S	RNG	15W	D.P.	4.5	in.			191	FT/MIN R.A.				"@	f							
Stockpo	int	Pratt,	Ks.	Date	5/10														FT/MIN R.A.					4500' f	t.						
DATE	DEPTH	WEIGHT		VISC	OSITY	GELS	pН	FILTF	RATIONILT	RATION AN	IALYSIS		SAND		RET	FORT	L.C.M.	Pump	CUMULATIVE						٦						
	feet	lb/gal	Sec API @F	PV @F	Yp	10 sec / 10 min.	Strip _ Meter _	ml API	Cake 32nds	Pres. #/BBL	CI ppm	Ca ppm	%	Solids %	Oil %	Water %		Press. PSI	COST		REM	ARKS AND TRE	TMENT								
5/10	0																			RURT											
5/11	2210	9.3	39	8	17	N/C	10.0	N/C	-		65m	Hvy		3.2		96.8				Wash &	& ream	Washed	to OTE) of 3878	_						
5/12	3878	8.7	84	24	24	33/47	12.0	7.6	1		6,800	40		2.5	1	97.5	2			CCM		Displace	d at OT	D							
5/13	3911	8.7	69	19	16	12/37	11.5	8.8	1		8,100	20		2.4	1	97.6	2			Logging	g	Drilled to	3895								
5/14	3895	8.7	48	12	10	9/32	11.0	10.2	1		8,200	60		2.4	1	97.6	1				DST #2	1st log s	topped	~ 1750	_						
5/15	4500	9.1	55	14	22	25/65	10.0	12.8	2		10.5m	60		5.1	1	94.9	3			Final:		2nd log	stopped	~2200							
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10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

FIELD SERVICE TICKET 1718 08433 A

and the state of the state of the	when you and						DATE TICKET NO
DATE OF JOB	131						PROD INJ WDW CUSTOMER ORDER NO.:
	14	110			LEASE Y	Nº C M	WELL NO.
ADDRESS					COUNTY	Burn	STATE K
CITY		STATE			SERVICE CI	REW	John Jo makes Place
AUTHORIZED BY	1.1				JOB TYPE:	CN	11- 51 K
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQL	JIPMENT#	HRS	TRUCK CALLED DATE AM TIME
					an a		ARRIVED AT JOB
19960-21010	1				<u>F</u>		START OPERATION
						124 6	FINISH OPERATION
							RELEASED AM PM
							MILES FROM STATION TO WELL

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, roducts, 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:

Attack in the second				(WELL OWN	ER, OPERATOR, O	CONTRACTOR OR AGENT)
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVIC	ES USED	UNIT	QUANTITY	UNIT PRICI	E \$ AMOUNT
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REPRESENTATIV	/E OBDEBED B	Y CUSTOMER AND RE		RV.	I. S. Salar	

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



TREATMENT REPORT

Sustomer	-1-1	110	L	_ease No.	<u></u>			Date				
Lease M	armin .	61	1	Nell # C	NWWO	3-31	,		5	-15	5-13	•1.4
Field Order #	Station	Pre	14		Casing	Depth	h	County	R	ar ¹ . U		State V
Type Job	es ch	-51	PLS	-149		Formation)			Legal D	escription 3	1.00.10
PIPI	E DATA	PERF	ORATING	à DATA	FLUID	USED		T	REATI	MENT	RESUME	
Casing Size	Tubing Siz	ze Shots/F	t I	1 squa	Aroid A 2 C	En.		RATE	PRES	S	ISIP	
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olume	Volume	From	То 4	SOSK	Pad	, Port	Min	81 [°]			10 Min.	
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Lug Depth	Packer De	Prom	То		Flush 94	L	Gas Volu	ne			Total Load	
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ervice Units	27283	37463	19960	010	10							
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10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656

DERIC	DRILL STEM TES	T REPO	ORT				
ENTERPRISES LLC	F.G.Holl Company L.L.C.		21-	20s-15w			- /- / / /
	9431 East Central Suite 100 Wichita,Kansas 67206-2563			rmis "B' Ticket: 17) #2-3 DST	#:1
	ATTN: ryan Greenbaum		Tes	t Start: 20	13.05.13 (@ 00:00:00)
GENERAL INFORMATION:	1		·				
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:00:00:00Time Test Ended:00:00:00	ft (KB)		Tes Tes Unit	ter: C	Conventior Gene Budi 3335	nal Straddle g	e (Initial)
Interval:3815.00 ft (KB) To3Total Depth:3895.00 ft (KB) (1Hole Diameter:7.88 inches Ho			Ref	erence Ee KB te	o GR/CF:	1996.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 6663 Inside Press@RunDepth: 1256.13 psia Start Date: 2013.05.13 Start Time: 05:00:00	End Date:	2013.05.13 12:57:00	Capacity Last Cali Time On Time Off	o.: Btm: 2		5000. 2013.05. 3 @ 06:43: 3 @ 09:21:	30
2nd Opening 3 2nd Shut-in (5 Minutes Good blow built to the bot 60 Minutes -Strong blow back built to 0 Minutes -Strong blow decreased to 60 Minutes Strong blow built to the bo	the bottom o a w eak blo	f a 5 gallon w bucket	bucket		2	
Pressure vs.	Time 0003 Temperature	Timo		RESSUR			
1700 1700	- 195 Temperatura 65 95 95 95 95 95 95 95 95 95 95 95 95 95	Time (Min.) 0 1 4 67 68 98 157 158	Pressure (psia) 1807.13 781.08 891.59 1263.61 967.89 1247.96 1256.13 1759.27	111.49	Annota Initial Hyc Open To Shut-In(1 End Shut Open To Shut-In(2 End Shut Final Hyd	Iro-static Flow (1)) -In(1) Flow (2)) -In(2)	
Recovery			 	Gas	s Rates		
Length (ft) Description	Volume (bbl)			Choke (ii		sure (psia)	Gas Rate (Mcf/d)
0.00 800 Feet of Gas in The	Pipe 0.00						l
400.00 Slightly gas cut slightly	muddy w ater 5.61						
2400.00 Slightly Gas cut Water	33.67						
0.00 Chlorides 30,000	0.00						
				Printed:			

Superior Testers Enterprises LLC

Printed: 2013.05.14 @ 01:04:43

		RILL STEM T			e de la sette de la set la sette de la sette		
E	NTERPRISES LLC	G.Holl Company L.L.C.		21-209-15	W		
		31 East Central Suite 100		Mermis "	'B'' OWWO	#2-3	
	W	ichita,Kansas 67206-256	3	Job Ticket:	17080	DST#:	1
LIP	TA AT	ITN: ryan Greenbaum		Test Start:	2013.05.13 @		
GENERAL	INFORMATION:	******					
Formation:	Arbuckle						
Deviated:	No Whipstock:	ft (KB)		Test Type:	Convention	al Straddle (I	nitial)
	ened: 00:00:00			Tester:	Gene Budig		
lime lest End	ded: 00:00:00			Unit No:	3335		
Interval:	3815.00 ft (KB) To 3825.0	0 ft (KB) (TVD)		Reference I	Bevations:	2004.00	ft (KB)
Total Depth: Hole Diameter	3895.00 ft (KB) (TVD)	altata an an an a				1996.00	
	r: 7.88 inchesHole Con	idition: Fair		KE	B to GR/CF:	8.00	ft
Serial #: (- 2	
Press@RunD	i po co 🖌	3896.11 ft (KB)		Capacity:		5000.00	psia
Start Date: Start Time:	2013.05.13 05:00:00	End Date:	2013.05.13	Last Calib .:		2013.05.14	
otart fillo.	05.00.00	End Time:	12:55:00	Time On Btm: Time Off Btm:			
	IMENT: 1st Opening 5 Minu 1st Shut-In 60 Minu	utes Good blow built to th utes -Strong blow back b	e bottom of a 5 ga	llion bucket in 45 sec f a 5 gallon bucket	conds		
		too Strong blow back b	une to the pottom of	a s gallon bucket			
	zna opening ou wind	tes -Strong blow decreas	sed to a weak blow	N			
	2nd Shut-in 60 Minu	ites Strong blow built to t	sed to a w eak blow he bottom of the b	N			
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1270 1270	2nd Shut-in 60 Minu Pressure vs. Time OPE Pressure Pressure vs. Time Pressure vs. Tim	Offit Temperature Offit Temperature Control Te	Time (Min.)	v ucket Pressure Temp (psia) (deg F	Annotatio	n	: Rate (Mct/d)
1000 100 1000 1	2nd Shut-in 60 MinL Pressure vs. Time Pressure vs. Time Pressure vs. Time Pressure vs. Time Pressure Pressur	Offit Temperature Offit Temperature Control Te	Time (Min.)	v ucket Pressure Temp (psia) (deg F	Annotatio	n	s Rate (Mct/d)
1000 100 1000 1	2nd Shut-in 60 Minu Pressure vs. Time OPE Pressure Pressure vs. Time Pressure vs. Tim	Offit Temperature Offit Temperature Control Te	Time (Min.)	v ucket Pressure Temp (psia) (deg F	Annotatio	n	s Rate (Mct/d)
1000 100 1000 1	2nd Shut-in 60 MinL Pressure vs. Time Pressure vs. Time Pressure vs. Time Pressure vs. Time Pressure Pressur	Volume (bbl) 0.00 w ater 5.61	Time (Min.)	v ucket Pressure Temp (psia) (deg F	Annotatio	n	: Rate (Mct/d)
1000 100 1000 1	2nd Shut-in 60 MinL Pressure vs. Time Pressure vs	Volume (bbl) 0.00 W ater 5.61 33.67	Time (Min.)	v ucket Pressure Temp (psia) (deg F	Annotatio	n	: Rate (Mct/d)
1000 100 1000 1	2nd Shut-in 60 MinL Pressure vs. Time Pressure vs	Volume (bbl) 0.00 W ater 5.61 33.67	Time (Min.)	v ucket Pressure Temp (psia) (deg F	Annotatio	n	s Rate (Mct/d)

	PERIO DR	ILL STEM TES	ST REP	ORT				
ENT	F.G.H	oll Company L.L.C.		21-	20s-15w	1		
		East Central Suite 100 ta,Kansas 67206-2563			rmis "B	" OWWO #	2-3 DST#	1
	ATTN	: ryan Greenbaum		Tes	t Start: 20)13.05.13 @ (00:00:00	
GENERAL I	NFORMATION:							이 않는 것이
Formation: Deviated: Time Tool Oper Time Test Ende		ft (KB)		Tes	ter:	Conventional Gene Budig 3335	Straddle	(Initial)
Interval: Total Depth: Hole Diameter:	3815.00 ft (KB) To 3825.00 ft 3895.00 ft (KB) (TVD) 7.88 inchesHole Conditi			Ref	erence Be KB t	evations:	1996.00	0 ft (KB) 0 ft (CF) 0 ft
Serial #: 84 Press@RunDe Start Date: Start Time:	pth: 1255.16 psia @ 3 2013.05.13 05:00:00	824.00 ft (KB) End Date: End Time:	2013.05.13 13:03:00	Capacity Last Calii Time On Time Off	b.: Btm: :	2 2013.05.13 @ 2013.05.13 @		4 D
TEST COM	1st Shut-In 60 Minutes 2nd Opening 30 Minutes	s Good blow built to the bo s -Strong blow back built t -Strong blow decreased s Strong blow built to the b	o the bottom c to a w eak blo	if a 5 gallon I w	in 45 secc bucket	onds		
	Pressure vs. Time			PI	RESSUF	RE SUMMA	RY	
1700	9490 Frances Marting in the regimentation Marting in the regimentation	549 Terpendars 65 65 65 65 75 75 77 78 65 65 65 65 75 76 76 76 76 76 76 76 76 76 76		Pressure (psia) 1798.96 787.17 875.77 1262.79 938.04 1246.63 1255.16 1728.03	Temp (deg F) 99.52 101.69 113.66 111.13 110.90 114.89 113.90 113.44	Open To Flo Shut-In(1) End Shut-In(Open To Flo Shut-In(2) End Shut-In(static w (1) (1) w (2) (2)	
	Recovery				Ga	s Rates		
Length (ft)	Description	Volume (bbl)			Choke (i		(psia) (Gas Rate (Mcf/d)
0.00	800 Feet of Gas in The Pipe Slightly gas cut slightly muddy w Slightly Gas cut Water	0.00						

Superior Testers Enterprises LLC Ref. No: 17080

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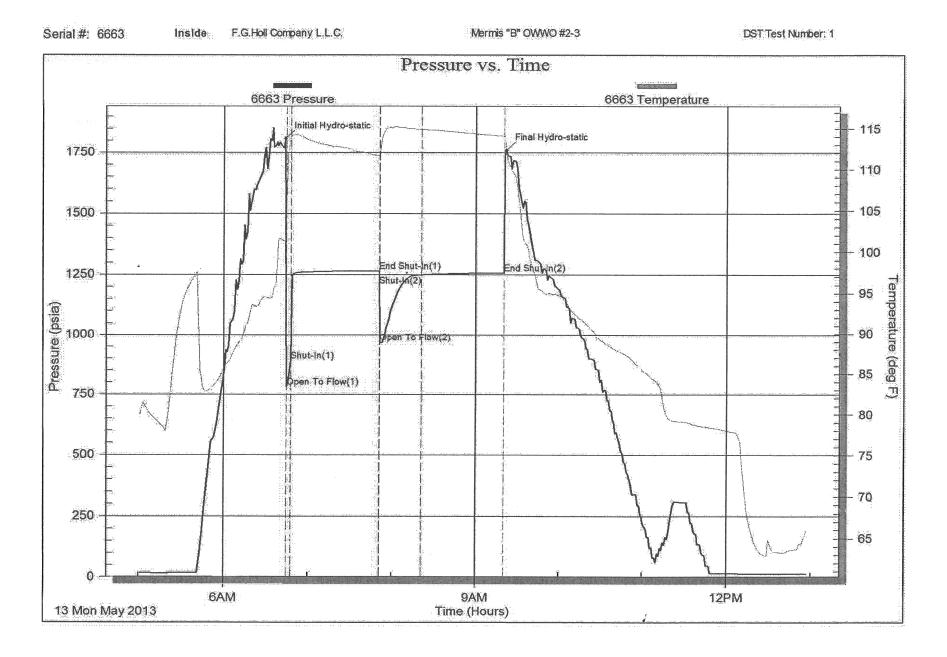
IT ENTER	RPRISES LLC		F.G.Holl	Company I	L.C.		21-20s-15w		
	<u> </u>		9431 Fa	st Central	Suite 100		Mermis "B" OWV	NO #2-3	
			1	Kansas 67			Job Ticket: 17080	DST#:1	
			ATTN:	ryan Gree	nbaum		Test Start: 2013.05.1		
Tool Informatio	 on								е п.
Drill Pipe:	Lenath:	3796.00 ft	Diameter:	3 80	inches Volume:	53.25 bb	Tool Weight:	2000.00 lb	
Heavy Wt. Pipe:	•	0.00 ft	Diameter:		inches Volume:				
Drill Collar:	Length:		Diameter:		inches Volume:		•		
	-				Total Volume:			0.00 ft	
Drill Pipe Above I		5.00 ft				00.20 00	String Weight: Initia		
Depth to Top Pac		3815.00 ft					Fina		
Depth to Bottom		3825.00 ft						10	
Interval between	Packers:	10.00 ft							
Tool Length: Number of Packe		108.11 ft 2	Diamentari						
Tool Comments:	IS:	2	Diameter:	6.75	nches				
roor comments:									
						D.	ч. Т		
Tool Description	on	Lei	ngth (ft)	Serial No.	Position	Depth (ft)	Accum, Lengths		
		Lei	ngth (ft) 1.00	Serial No.	Position		Accum. Lengths		
Change Over Sul		Lei		Serial No.	Position	3792.00	Accum. Lengths		
Tool Description Change Over Sul Shut-In Tool Hydroic Tool		Lei	1.00 5.00	Serial No.	Position	3792.00 3797.00	Accum. Lengths		
Change Over Sul Shut-In Tool Hydroic Tool		Lei	1.00 5.00 5.00	Serial No.	Position	3792.00 3797.00 3802.00	Accum. Lengths		
Change Over Sul Shut-In Tool Hydroic Tool Jars		Lei	1.00 5.00 5.00 6.00	Serial No.	Position	3792.00 3797.00 3802.00 3808.00	Accum. Lengths		
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint		Lei	1.00 5.00 5.00 6.00 2.00	Serial No.	Position	3792.00 3797.00 3802.00 3808.00 3810.00		Pottom Of To	n Daalaar
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint Packer		Lei	1.00 5.00 5.00 6.00 2.00 5.00	Serial No.	Position	3792.00 3797.00 3802.00 3808.00 3810.00 3815.00	Accum. Lengths	Bottom Of To	p Packer
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint Packer Anchor		Lei	1.00 5.00 5.00 6.00 2.00 5.00 7.00			3792.00 3797.00 3802.00 3808.00 3810.00 3815.00 3822.00		Bottom Of To	p Packer
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint Packer Anchor Recorder		Lei	1.00 5.00 5.00 6.00 2.00 5.00 7.00 1.00	6663	Inside	3792.00 3797.00 3802.00 3808.00 3810.00 3815.00 3822.00 3823.00		Bottom Of To	p Packer
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint Packer Anchor Recorder Recorder		Lei	1.00 5.00 5.00 2.00 5.00 7.00 1.00 1.00			3792.00 3797.00 3802.00 3808.00 3810.00 3815.00 3822.00 3823.00 3824.00	24.00		<u>.</u>
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint Packer Anchor Recorder Recorder Blank Off Sub		Lei	1.00 5.00 5.00 2.00 5.00 7.00 1.00 1.00 1.00	6663	Inside	3792.00 3797.00 3802.00 3808.00 3810.00 3815.00 3822.00 3823.00 3824.00 3825.00			p Packer ol Interval
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint Packer Anchor Recorder Recorder Blank Off Sub Packer		Lei	1.00 5.00 5.00 6.00 2.00 5.00 7.00 1.00 1.00 1.00 5.00	6663	Inside	3792.00 3797.00 3802.00 3810.00 3815.00 3822.00 3823.00 3824.00 3825.00 3830.00	24.00		· · · · · · · · · · · · · · · · · · ·
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint Packer Anchor Recorder Recorder Blank Off Sub Packer Perforations	b	Lei	1.00 5.00 5.00 6.00 2.00 5.00 7.00 1.00 1.00 1.00 5.00 6.00	6663	Inside	3792.00 3797.00 3802.00 3810.00 3815.00 3822.00 3823.00 3824.00 3825.00 3830.00 3836.00	24.00		· · · · · · · · · · · · · · · · · · ·
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint Packer Anchor Recorder Recorder Blank Off Sub Packer Perforations Change Over Sub	b 5		1.00 5.00 5.00 2.00 5.00 7.00 1.00 1.00 1.00 5.00 6.00 0.75	6663	Inside	3792.00 3797.00 3802.00 3808.00 3810.00 3815.00 3822.00 3823.00 3824.00 3825.00 3830.00 3836.00 3836.75	24.00		· · · · · · · · · · · · · · · · · · ·
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint Packer Anchor Recorder Blank Off Sub Packer Perforations Change Over Sub Drill Pipe	b 0		1.00 5.00 5.00 6.00 2.00 5.00 7.00 1.00 1.00 1.00 5.00 6.00 0.75 31.61	6663	Inside	3792.00 3797.00 3802.00 3810.00 3815.00 3822.00 3823.00 3824.00 3825.00 3836.00 3836.75 3868.36	24.00		·
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint Packer Anchor Recorder Blank Off Sub Packer Perforations Change Over Sut Drill Pipe Change Over Sut	b 0		1.00 5.00 5.00 6.00 2.00 5.00 7.00 1.00 1.00 1.00 5.00 6.00 0.75 31.61 0.75	6663	Inside	3792.00 3797.00 3802.00 3808.00 3810.00 3815.00 3822.00 3823.00 3824.00 3825.00 3830.00 3836.00 3836.75 3868.36 3869.11	24.00		·
Change Over Sul Shut-In Tool Hydroic Tool Jars Safety Joint Packer Anchor Recorder Blank Off Sub Packer Perforations Change Over Sut Drill Pipe Change Over Sut Perforations	b 0		1.00 5.00 5.00 2.00 5.00 7.00 1.00 1.00 1.00 5.00 6.00 0.75 31.61 0.75 26.00	6663 8419	Inside Outside	3792.00 3797.00 3802.00 3810.00 3815.00 3822.00 3823.00 3824.00 3825.00 3830.00 3836.00 3836.75 3868.36 3869.11 3895.11	24.00		
Change Over Sul	b 0		1.00 5.00 5.00 6.00 2.00 5.00 7.00 1.00 1.00 1.00 5.00 6.00 0.75 31.61 0.75	6663	Inside	3792.00 3797.00 3802.00 3808.00 3810.00 3815.00 3822.00 3823.00 3824.00 3825.00 3830.00 3836.00 3836.75 3868.36 3869.11	24.00		ol Interval

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PER	D	RIL	LL STEM TEST REPOR	RT		FLUID S	UMMAR
ENTERPRISES LLC	F.C	G.Holl	Company L.L.C.	21-20s-15	Ŵ		
	Wi	'ichita,	ast Central Suite 100 Kansas 67206-2563	Job Ticket:		DST#:1	
	TA	TTN:	ryan Greenbaum	Test Start:	2013.05.13 @ (00:00:00	
lud and Cushion Info	ormation					(w ⁴²	
ud Type: Gel Chem ud Weight: 9.00 ll iscosity: 69.00 s /ater Loss: 8.79 il esistivity: c	sec/qt		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psia	Oil API: Water Salinity		deg API ppm
alinity: 8100.00 p Iter Cake: 1.00 i	opm nches			·			
ecovery Information				han 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19			
	•		Recovery Table				
	Length ft		Description	Volume bbl	7		
	0.0		800 Feet of Gas in The Pipe	0.00	00		
	400.0		Slightly gas cut slightly muddy water	5.61			
	2400.0		Slightly Gas cut Water	33.66	56		
		<u>00 I</u>	Chloridee 20.000	0.00			
To			Chlorides 30,000	0.00	00		
	tal Length: 2	2800.0					
Nu La	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 k	bbl			
Nu La	tal Length: 2	2800.(0	00 ft Total Volume: 39.277 b Num Gas Bombs: 0	bbl			
Nu La	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 b Num Gas Bombs: 0	bbl			
Nu La	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 b Num Gas Bombs: 0	bbl			
Nu La	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 b Num Gas Bombs: 0	bbl			
Nu La	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 b Num Gas Bombs: 0	bbl			
Nu La Re	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 b Num Gas Bombs: 0	bbl			
Nu La Re	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 b Num Gas Bombs: 0	bbl Serial			
Nu La Re	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl Serial			
Nu La Re	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl Serial			
Nu La Re	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl Serial			
Nu La Re	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl Serial	#:		
Nu La Re	tal Length: 2 Im Fluid Samples: boratory Name:	2800.(0	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl Serial	#:		
Nu La Re	tal Length: 2 Im Fluid Samples: 1 boratory Name: covery Comments	2800.(0	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl Serial	#:		
Nu La Re	tal Length: 2 Im Fluid Samples: 1 boratory Name: covery Comments	2800.(0	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl	#:		
Nu La Re	tal Length: 2 Im Fluid Samples: 1 boratory Name: covery Comments	2800.0 0 s:	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl	#:		
Nu La Re	tal Length: 2 Im Fluid Samples: 1 boratory Name: covery Comments	2800.0 0 s:	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl	#:		
Nu La Re	tal Length: 2 Im Fluid Samples: 1 boratory Name: covery Comments	2800.0 0 s:	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl	#:		
Nu La Re	tal Length: 2 Im Fluid Samples: 1 boratory Name: covery Comments	2800.0 0 s:	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl	#:		
Nu La Re	tal Length: 2 Im Fluid Samples: 1 boratory Name: covery Comments	2800.0 0 s:	00 ft Total Volume: 39.277 t Num Gas Bombs: 0 Laboratory Location:	bbl	#:		



Superior Testers Enterprises LLC

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