

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1055201

Form ACO-1 June 2009 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: Sta	ite: Zip:+	Feet from Cast / West Line of Section
Contact Person:	·	Footages Calculated from Nearest Outside Section Corner:
Phone: ()		
CONTRACTOR: License #		County:
		Lease Name: Well #:
		Field Name:
5		Producing Formation:
Designate Type of Completion:		Elevation: Ground: Kelly Bushing:
New Well	Entry Workover	Total Depth: Plug Back Total Depth:
 Oil WSW Gas D&A OG CM (Coal Bed Methane) Cathodic Other (Core, 	SWD SIOW ENHR SIGW GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: feet depth to: w/ sx cmt
If Workover/Re-entry: Old Well Info	as follows:	
Well Name:		Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Deepening Re-perf.	Original Total Depth: Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled	Permit #:	Operator Name:
Dual Completion	Permit #:	Lease Name: License #:
SWD	Permit #:	Quarter Sec TwpS. R East West
	Permit #:	County: Permit #:
GSW	Permit #:	
Spud Date or Date Read Recompletion Date	ched TD Completion Date or Recompletion Date	

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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Side Two	1055201
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)		Yes No	L	0	n (Top), Depth an	d Datum Top	Datum	
Samples Sent to Geolog	gical Survey	Yes No						
Cores Taken Electric Log Run Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>		<pre>Yes □ No Yes □ No Yes □ No</pre>						
List All E. Logs Run:								
		CASIN	G RECORD	ew Used				
		Report all strings se	t-conductor, surface, int	ermediate, product	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 / SQUEEZE RECORD

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					e			ement Squeeze Record of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	ł.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	s.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:			METHOD OF COMPLETION:			PRODUCTION INT	ERVAL:			
Vented Sold Used on Lease			Open Hole	Perf.	Uually (Submit /	Comp. Commingled ACO-5) (Submit ACO-4)				
(If vented, Sul	bmit ACC)-18.)		Other (Specify)						<u></u>

Form	ACO1 - Well Completion			
Operator	Russell Oil, Inc.			
Well Name	Keil A 2-32			
Doc ID	1055201			

All Electric Logs Run

DUAL COMPENSATED POROSITY
DUAL INDUCTION
MICRORESISTIVITY
BOREHOLE COMPENSATED SONIC
COMPUTER PROCESSED INTERPRETATION
SECTOR BOND LOG

Form	ACO1 - Well Completion
Operator	Russell Oil, Inc.
Well Name	Keil A 2-32
Doc ID	1055201

Tops

Name	Тор	Datum
TOP ANHYDRITE	930	+1001
TARKIO	2581	-650
HOWARD	2777	-846
ТОРЕКА	2850	-919
HEEBNER	3080	-1149
TORONTO	3098	-1167
LANSING	3142	-1211
ВКС	3380	-1449
ARBUCKLE	3391	-1460

QUALII	Y / JILVVEL Federal Tax		EIVIENII 2886107	ING, IN	U .
Phone 785-483-2025 Cell 785-324-1041	Home Office P.O. Bo	ox 32 Rus	ssell, KS 67665	No.	4512
Date 1/20/11 32	2.0	vissell	State	On Location	4:00 PM
Lease Keil A W	Vell No. 2-37 Locatio	on Russelly	Sto Milberger	Rd, 2/2W,	Stw into
Contractor Southwind	Drilling Right	Owner	· · · · ·		
Type Job Surface		Vou are here	ilwell Cementing, Inc.	cementing equipment	and furnish
Hole Size 121/4"	T.D. 927'	cementer ar	nd helper to assist ow	ner or contractor to de	work as listed.
Csg. 85/2 24#	Depth 9.27	Charge To	Russell Oi	1. Inc.	and the second s
Tbg. Size	Depth	Street		· · · · · · · · · · · · · · · · · · ·	n a dh' Angle (1997)
Tool	Depth	City	27 · · · ·	State	
Cement Left in Csg. 18	Shoe Joint 18	The above w	as done to satisfaction a	nd supervision of owner	agent or contractor.
Meas Line	Displace 5734 Bbls.	Cement Am	ount Ordered 35	Osx Com 3%	a 2/0 yel
EQUIPM	NENT	1 44.	· ·		
Pumptrk No. Cementer	aut	Common	350		
No Driver	ty !	Poz. Mix	- 	, v	a daga sa taning sa
Q 1 No. Driver O	<u></u>	Gel. 7	,		Na parte de la companya. Marte de la companya
JOB SERVICES	& REMARKS	Calcium /	3	- 1	and the set to t
Remarks:	an a	Hulls	· · · ·		n na statione en e
Rat Hole	i se	Salt		e transformer to	tan an a
Mouse Hole	y ³ x y y x	Flowseal			
Centralizers		Kol-Seal			at all to sta
Baskets		Mud CLR 4	18	1	1 ¹ 7
D/V or Port Collar	. 0	CFL-117 or	CD110 CAF 38		
Est. Circulati	on	Sand	in the second	а 1 ⁰ .	
Mix 3503x		Handling	10		<u></u>
Displace		Mileage			· · · · ·
Land Plug			FLOAT EQUIPA	AENT	3 <u>0</u>
Coment Circo	ilated	Guide Sho	e	<u></u>	4
	and the second sec	Centralizer	·		
		Baskets	511	1	
	and the second second	AFU Insert	s 78	200	
		Float Shoe			
AK		Latch Dow	n .		
Thank at	1 1. N. C. C. 1997	Ba	ffle Plate	- Rubbert	hug
- 1 H - 1 - 1	$(\alpha) \cap \alpha \in \mathcal{L}$	Ha Ha	ed + Man, F	eld	
Jest		Pumptrk C	harge	Pace Tob	, <u> </u>
No.	n gan an san san san san san san san san sa	Mileage	4		
	a in an in a said a	an in se		Tax	*
VED D		and the second s		Discoun	
Signature Uduik Mon	uic		-75° - 1	Total Charge	•



1700 S. Country Estates Rd. P.O. Box 129 Liberal, Kansas 67905 Phone 620-624-2277



Ala

DATE TICKET NO.___

DATE OF JOB - 27-1 DISTRICT 1717					NEW OLD PROD INJ WDW CUSTOMER WELL WELL ORDER NO.:			
CUSTOMER RUSSELL QUINC.					LEASE KEIL A 2-32 WELL NO.			
ADDRESS				COUNTY RUSSell STATE AS				
CITY STATE					SERVICE CREW ROCICE, ED.			
AUTHORIZED BY TYCE DAULS JRB			JOB TYPE: 5/21,5, 242					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	IIPMENT#	HRS	TRUCK CALLED DATE	AM TIME
201103	5				Transfer Parks		ARRIVED AT JOB	AM 56
19413 -	5						START OPERATION	AMG:05
19878	5		1.200				FINISH OPERATION	51.7 (MA
19963	E,						RELEASED	AM 5:00
							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, 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:

			(WELL OWNE	ER, OPERATOR, CONT	RACTOR OR AGENT)
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
1105	AA-2 Compart	SK	150		273000
1103	60/40 007	GK	50		60000
2013	Coloflatie	16	38	A second second second	140 60
C105	Defange	16	36		144 00
C111	Salt	110	683		341 50
20115	Gas-block	lb	106		545 90
1C129	F1A-322	16	113		847 50
2201	Gisonte	16	750		502 50
F103	Top Pubber Plug 5/2	FA	1		10500
'E251	Guide Shoe Rog 5/2	FA	1		250 00
E1451	Flappor Float Value 512	EA.	1		215 00
E1651	Turbolizor 5/2	EA	14		154000
F2002	Kotaling Scratchers	EA.	6		750 00
0155	Superflush /	gal,	500		765.00
1104	CS-IL KCL Sub.	Gal	2		70.00
E100	Kickup M. Lage	mi	75		31875
E101	Heavy Eguip Mileage	mi	150		105000
115	Bulk Dohivery Charge	Im	690		110400
LE204	Depth Charge 3001 to 4000'	4hr	1		2160.00
		and all a	AND THE REAL PROPERTY.	CUD TOTAL	9

CHEMICAL / ACID DATA:	SUBTOTAL 11,16272
	SERVICE & EQUIPMENT %TAX ON \$
	MATERIALS %TAX ON \$
	TOTAL
	ABOVE MATERIAL AND SERVICE ERED BY CUSTOMER AND RECEIVED BY

FIELD SERVICE ORDER NO.

ORDERED BY CUSTOMER AND RECEIVED BY -ladd Dian

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(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE TICKET CONT.



41 . 4

1700 S. Country Estates Rd. P.O. Box 129 Liberal, Kansas 67905 Phone 620-624-2277

TICKET NO.

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
(E240	Blending + Mixing Service Charge	SV	200		28000
CE 501	Casing Switch Rental	and I do	1		2000
CESOU	Plua Container Iltipization Charge	ea ea	1		2500
5002	Service Sumathisme	1	1		
	service supervisor	00	1		1750
	(1)(1)				
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				and the second sec	



Cement Report

Customer	Lixep	110:1	INC.	Lease No.		Date /-	27-11		
Lease	EIL "A	11	-	Well # 2	-32	Service Receipt			
Casing 6	1/2	Depth 35	00'	County R	ussell	State K			
Job Type	1/2 10	nastrin	Formation		Legal Description 32-15-14				
		Pipe D			Perforating Data Cement Data				
Casing size	51/2		Tubing Size		Shots/Ft Lead 1505x AA				
Depth 30	497'		Depth		From To @15,3413au				
Volume 5	2.7		Volume		From To 2590 Defcarar P				
Max Press	500#		607 - 1				Tail in : 75% Gas 610 k		
Well Conne	ction		Annulus Vol.		From	То	Gibonite		
Plug Depth			Packer Depth		From	То			
Time	Casing Pressure	Tubing Pressure	Bbls. Pumbed	Rate		Service Log			
_		_							
14:00					Start FE	Cont. on	2346,8910,11,		
					12.14 65,71	.77.43			
16:50					Break Cit	C			
18:05					Psitest	2500#			
15:06	200	Der :	5	3	PUMD Hal) space (Λ		
15:046	200		12	4	Munip Supl	rflish			
1811	200		5.	4	PUND 1/21) Spacky	-		
14113	200		0	45	Startmix	1 AA-2	(a)15,3#		
F6:20	0		36.5		Finish r	wing			
14:23					Washup,	Prop P	UG.		
14:31	0		0	4-6	Start D	ap'	1		
14:44	-		63	3	SLOW KOD	tl			
18:51	GOHD)		43	-	Muz Dai	2200	1-1-1-1-		
18.53					Relaise F	5, +100	theld		
19:00					Plig Kt	W WA	Der 60/10002		
19:08					washop	Ht.			
19.12					500,00	plote	1		
				<u></u>	Mark !	191			
					Charl 4	tim)		
					the second s				
					and in a second second				
		10			0				
Service Unit	s 19539	5-6	3046319843	19828	19853				
Driver Name	is CHI	17	K.Deb	E. NE	vdoza.				

Todd **Customer Representative**

TUNT Station Manager

Cementer



DRILL STEM TEST REPORT

Prepared For: Russell Oil Inc.

PO box 8050 . Edmond,OK 73083

ATTN: Steve Murphy

32-15s14w Russell KS

Keil #2-32

Start Date:	2011.01.24 @	03:08:26	
End Date:	2011.01.24 @	09:17:26	
Job Ticket #:	41293	DST #:	1

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

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Printed: 2011.01.31 @ 20:27:41 Page 1

	DRILL STEM TES	TREP	ORT		
LA LA Brangerson	Russell Oil Inc.		Kei	#2-32	
ESTING , INC	PO box 8050 Edmond,OK 73083			1 5s14w Ticket: 41	Russell KS
	ATTN: Steve Murphy				011.01.24 @ 03:08:26
GENERAL INFORMATION:					
Formation: LKC-"C" Deviated: No Whipstock: Time Tool Opened: 04:53:41 Time Test Ended: 09:17:26	ft (KB)		Test Test Unit	ier:	Conventional Bottom Hole Jason McLemore 54
nterval: 3166.00 ft (KB) To 3′ Fotal Depth: 3175.00 ft (KB) (T Hole Diameter: 7.80 inchesHole			Refe	erence Ee KB t	evations: 1931.00 ft (KB) 1923.00 ft (CF) o GR/CF: 8.00 ft
Serial #: 6755 Inside Press@RunDepth: 88.91 psig Start Date: 2011.01.24 Start Time: 03:08:28	@ 3167.00 ft (KB) End Date: End Time:	2011.01.24 09:17:26	Capacity: Last Calib Time On I Time Off	o.: Btm: 2	8000.00 psig 2011.01.24 2011.01.24 @ 04:53:26 2011.01.24 @ 07:57:11
TEST COMMENT: IFP-Good Blow, ISI-Dead FFP-Good Blow, FSI-Dead	· ,				
Pressure vs.]	īme		PF	RESSUR	RE SUMMARY
1000 1000	COST TENDERALIS	Time (Min.) 0 1 34 60 61 121 183 184	Pressure (psig) 1582.17 18.53 50.10 479.05 52.64 88.91 484.78 1563.12	90.68 91.40 91.20 92.43	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)
Recovery	an na san an a			Ga	s Rates
Length (ft) Description	Vojume (bbl)			Choke (i	nches) Pressure (psig) Gas Rate (Mct/d)
1.00 Clean Oil 125.00 Muddy Water-90%W-10	0.01 %M 1.75				
		1	۲. ۲		

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RILOBI		LL STE	EM TEST	REPO	RT	TOOL DIAGRA
Bernaryperman	nusse	ll Oil Inc.			Keil #2-32	
ESTIN	IG, INC PO box	(8050			32-15s14w Rus	sell KS
		d,OK 73083			Job Ticket: 41293	DST#:1
		Store Mum	b			
. Weally.	ATIN.	Steve Murp			Test Start: 2011.0	1.24 @ 03.06.20
Tool Information						
	168.00 ft Diameter		nches Volume:	44.44 bb	•	2000.00 lb
Heavy Wt. Pipe: Length:	0.00 ft Diameter		nches Volume:		÷	Packer: 25000.00 lb
Drill Collar: Length:	0.00 ft Diameter	: 2.25 it	tches Volume:	0.00 bb	-	oose: 45000.00 b
Drill Pipe Above KB:	30.00 ft		Total Volume:	44.44 bbl	Tool Chased String Weight: 1	0.00 ft nitial 38000.00 lb
• •	166.00 ft					Final 40000.00 lb
Depth to Bottom Packer:	ft					
Interval between Packers:	9.00 ft					
Tool Length: Number of Packers:	37.00 ft 2 Diameter:	6.75 ir	chee			
Tool Comments:		0.75 1	iches			
Shale Packer on Bottom						
					•	
P				-	•	
Cool Description	Length (ft) 1.00	Serial No.	Position		Accum. Lengths	
Shut in Tool	5.00		• •	3139.00 3144.00		
lydraulic tool	5.00			3144.00		
Jars	5.00			3149.00 3154.00		
Safety Joint	2.00			3156.00		
Packer	5.00			3150.00 3161.00	28.00	Bottom Of Top Packer
Packer	5.00			3166.00	20.00	Dottom Of Top Packer
Stubb	1.00			3167.00		
Recorder	0.00	6755	Inside	3167.00		
Recorder	0.00	8673	Outside	3167.00		
Perforations	5.00	0010	00.000	3172.00		
Bullnose	3.00			3175.00	9.00	Bottom Packers & Anchor
Total Tool Le						
Total Tool Ed	.ngan. 51.00					
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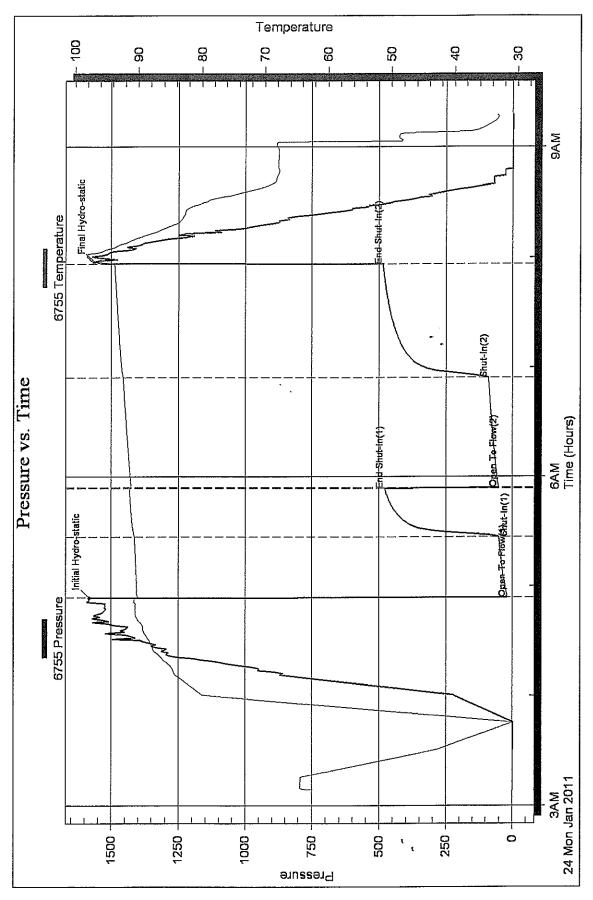
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		RILL STEM TEST REPOR	RT	FLUID SUMMARY
RILOBI	IE Ru	ssell Oil Inc.	Keil #2-32	
ESTII	Edr	box 8050 mond,OK 73083	32-15s14w Russell Ka Job Ticket: 41293	DST#:1
	AT	TN: Steve Murphy	Test Start: 2011.01.24 @	03:08:26
Mud and Cushion Info	mation			
Salinity: 7100.00 pp	m.m	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	Oil API: ft Water Salinity bbl psig	deg API : 200000 ppm
Recovery Information				
_		Recovery Table		
	Length ft	Description	Volume bbl	
-	1.0	0 Clean Oil	0.014	
l L	125.0	0 Muddy Water-90%W-10%M	1.753	
Tota	Length:	126.00 ft Total Volume: 1.767 bb	bl	
	oratory Name: overy Comments:	Laboratory Location: : RW .111 @ 30F = 20000 ppm		
Trilobite Testing Inc.		Ref No: 41293	Printed: 2011.01.31 @	

1



32-15s14w Russell KS



Printed: 2011.01.31 @ 20:27:42 Page 5

Ref. No: 41293

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: Russell Oil Inc.

PO box 8050 Edmond,OK 73083

ATTN: Steve Murphy

32-15s14w Russell KS

Keil #2-32

Start Date:	2011.01.24 @	17:36:22	
End Date:	2011.01.24 @	23:43:22	
Job Ticket #:	41294	DST #:	2

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

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Russell Oil Inc.

RILOBITE	DRILL STEM TE						
TESTING, INC	Russell Oil Inc.		Keil	#2-32			
	PO box 8050 Edmond,OK 73083			5s14w ïcket: 41	Russell Ki 294	S DST	#:2
	ATTN: Steve Murphy		Test	Start: 20	11.01.24 @	17:36:22	
GENERAL INFORMATION:							
Formation:D-E-FDeviated:NoWhipstock:Time Tool Opened:18:46:37Time Test Ended:23:43:22	ft (KB)		Test Teste Unit N	er: J	Conventional lason McLen 54		Hole
Interval:3178.00 ft (KB) To32Total Depth:3230.00 ft (KB) (TVHole Diameter:7.80 inchesHole			Refer	rence Ele KB to	vations: o GR/CF:	1923.(00 ft (KB) 00 ft (CF) 00 ft
Serial #: 6755 Inside Press@RunDepth: 192.90 psig Start Date: 2011.01.24 Start Time: 17:36:24	End Date: End Time:	2011.01.24 23:43:22	Capacity: Last Calib. Time On Bi Time Ôff B	tm: 2	2 2011.01.24 @ 2011.01.24 @	2011.01.2 2) 18:46:2	22
FFP-Good Blow	In Then Blow back Built to1/4" La	isted Throughou	ut.				
	-						
Pressure vs. T							
	1725 Temperan 1725 Temperan 1726 Internet 1726 I	(Min.) 0 1 30 76 77 77 136	Pressure	Temp (deg F) 87.43 86.45 91.85 94.40 94.09 99.39 97.52	E SUMMA Annotation Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) End Shut-In(2)	n -static pw (1) (1) pw (2) (2)	
Pressure vs. T	1725 Temperan 1725 Temperan 1726 Internet 1726 I	(Min.) 0 1 30 76 77 136 197	Pressure (psig) 1613.01 42.88 107.85 548.93 111.73 192.90 512.61	Temp (deg F) 87.43 86.45 91.85 94.40 94.09 99.39 97.52 98.05	Annotation Initial Hydro- Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2)	n -static pw (1) (1) pw (2) (2)	
Pressure vs. T	1725 Temperan 1725 Temperan 1726 Internet 1726 I	(Min.) 0 1 30 76 77 136 197	Pressure (psig) 1613.01 42.88 107.85 548.93 111.73 192.90 512.61	Temp (deg F) 87.43 86.45 91.85 94.40 94.09 99.39 97.52 98.05	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-	n -static ow (1) (1) (2) (2) -static	Gas Rete (Mct/d)
Pressure vs. T 100 100 100 100 100 100 100 10	0/25 Temperane 1/1 at Index table 1/1 at Index table 0/2 Temperane 0/2 Temper	(Min.) 0 1 30 76 77 136 197	Pressure (psig) 1613.01 42.88 107.85 548.93 111.73 192.90 512.61	Temp (deg F) 87.43 86.45 91.85 94.40 94.09 99.39 97.52 98.05	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-	n -static ow (1) (1) (2) (2) -static	Gas Rele (Mct/d)
Pressure vs. T 100 100 100 100 100 100 100 10	<u>1000 Тепретекта</u> 1000 Тепретекта 1000 Тепретекта 100	(Min.) 0 1 30 76 77 136 197	Pressure (psig) 1613.01 42.88 107.85 548.93 111.73 192.90 512.61	Temp (deg F) 87.43 86.45 91.85 94.40 94.09 99.39 97.52 98.05	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-	n -static ow (1) (1) (2) (2) -static	Gas Rete (Mct/d)
Pressure vs. T 100 100 100 100 100 100 100 10	0/25 Temperane 1/1 at Index table 1/1 at Index table 0/2 Temperane 0/2 Temper	(Min.) 0 1 30 76 77 136 197	Pressure (psig) 1613.01 42.88 107.85 548.93 111.73 192.90 512.61	Temp (deg F) 87.43 86.45 91.85 94.40 94.09 99.39 97.52 98.05	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-	n -static ow (1) (1) (2) (2) -static	Gas Rate (Mct/d)
Pressure vs. T 100 100 100 100 100 100 100 10	<u>1000 Тепретекта</u> 1000 Тепретекта 1000 Тепретекта 100	(Min.) 0 1 30 76 77 136 197	Pressure (psig) 1613.01 42.88 107.85 548.93 111.73 192.90 512.61	Temp (deg F) 87.43 86.45 91.85 94.40 94.09 99.39 97.52 98.05	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In(2) End Shut-In(2) End Shut-In(2) Final Hydro-	n -static ow (1) (1) (2) (2) -static	Gas Rate (Mcf/d)

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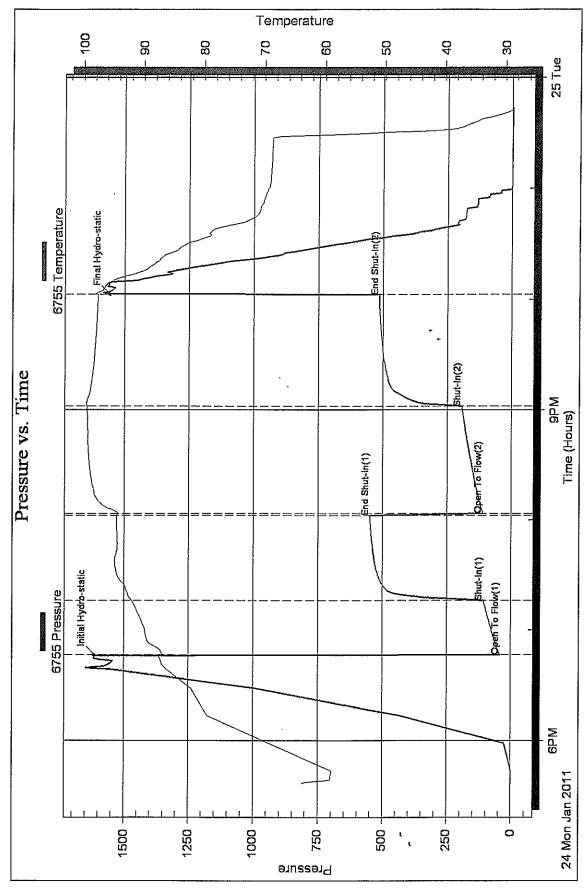
Tool Information Drill Pipe: Length: 3" Heavy Wt. Pipe: Length: 3"	IG , INC Edmon ATTN:	l Oil Inc. 8050 d,OK 73083 Steve Murph	у		Keil #2-32 32-15s14w Russell Job Ticket: 41294	KS DST#: 2
Tool Information Drill Pipe: Length: 3	ATTN:	i,OK 73083	ıy		Job Ticket: 41294	
Drill Pipe: Length: 3	ATTN:		ıy			DST#: 2
Drill Pipe: Length: 3		Steve Murph	ıy		Test Clark 0044 04 04 6	
Drill Pipe: Length: 3					Test Start: 2011.01.24 @	D 17:36:22
Heavy Wt. Pipe: Length:	173.00 ft Diameter:	3.80 in	ches Volume:	44.51 bbl	Tool Weight:	2000.00 lb
	0.00 ft Diameter:	2.70 in	ches Volume:	0.00 bbl	Weight set on Packer	
Drill Collar: Length:	0.00 ft Diameter:		ches Volume:		Weight to Pull Loose:	
Drill Pipe Above KB:	23.00 ft		Total Volume:	44.51 bbl	Tool Chased	0.00 ft
•	178.00 ft				String Weight: Initial	36000.00 lb
Depth to Bottom Packer:	ft				Final	39000.00 lb
Interval between Packers:	52.00 ft					
Tool Length:	80.00 ft					
Number of Packers:	2 Diameter:	6.75 in	ches			
Tool Comments:						
					▲ ●/	
Tool Description	Length (ft)	Serial No.	Position		ccum. Lengths	
Change Over Sub	1.00	•		3151.00		
Shut In Tool	5.00			3156.00		
Hydraulic tool	5.00			3161.00		
Jars	5.00			3166.00		
Safety Joint	2.00			3168.00		
Packer	5.00			3173.00	28.00	Bottom Of Top Packer
Packer	5.00			3178.00		
Stubb	1.00			3179.00		
Perforations	2.00			3181.00		
Change Over Sub	1.00			3182.00		
Blank Spacing	31.00			3213.00		
Change Over Sub	1.00			3214.00		
Recorder	0.00	6755	Inside	3214.00		
Recorder	0.00	8673	Outside	3214.00		
Perforations	13.00			3227.00		
Bullnose	3.00			3230.00	52.00 Bo	ttom Packers & Anchor
	ength: 80.00					

()A	יום אום ד	тс	DRI	LL STI	EM TEST I	REPORT	Γ		FLUID SUMMARY	
MALUN	RILOBI		Russe	ll Oil Inc.			Keil #2-32	2		
	ESTING , INC			Edmond,OK 73083				32-15s14w Russell KS Job Ticket: 41294 DST#: 2 Test Start: 2011.01.24 @ 17:36:22		
10 ^{- 4}							•	·		
	7100.00 pp	gal c/qt m.m		Cus Cus Gas	shion Type: shion Length: shion Volume: s Cushion Type: s Cushion Pressure	9:	ft bbl psig	Oil API: Water Salinity:	deg APi 180000 ppm	
Recovery I	Information									
	Γ	Lengl	h		covery Table		Volume bbl			
			5.00	Frothy OC	WV-60%G-10%O-2	20%W-10%M	- 0.070	<u>j</u>		
	_		325.00 0.00	Muddy Wa 210' Gas Ir	ter W/Oil Scum		4.559			
	 Total	Length:			Total Volume:	4.629 bbl	0.000	4		
	Labo	Fluid Samp ratory Nam wery Comn	e:	1	Num Gas Bombs: Laboratory Locatio F = 180000 chlorid		Serial#	:		
									-	
						۲ ۲				



32-15s14w Russell KS





Frinted: 2011.01.31 @ 20:28:19 Page 5

Ref. No: 41294

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: Russell Oil Inc.

PO box 8050 Edmond,OK 73083

ATTN: Steve Murphy

32-15s14w Russell KS

Keil #2-32

Start Date:	2011.01.25 @	05:43:46	
End Date:	2011.01.25 @	10:27:31	
Job Ticket #:	41295	DST #:	3

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

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Printed: 2011.01.31 @ 20:29:11 Page 1

RILOBITE						
TEATING ING	Russell Oil Inc.		Keil #2-3	2		
ESTING , INC	PO box 8050 Edmond,OK 73083		32-15s14 v Job Ticket:	v Russell KS 41295 DST#: 3		
	ATTN: Steve Murphy		Test Start:	2011.01.25 @ 05:43:46		
GENERAL INFORMATION:						
Formation: G Deviated: No Whipstock: Fime Tool Opened: 07:04:01 Fime Test Ended: 10:27:31	ft (KB)		Test Type: Tester: Unit No:	Conventional Bottom Hole Jason McLemore 54		
nterval: 3232.00 ft (KB) To 32 Fotal Depth: 3245.00 ft (KB) (T Hole Diameter: 7.80 inchesHole			Reference E KE	Elevations: 1931.00 ft (KB) 1923.00 ft (CF) 8 to GR/CF: 8.00 ft		
Serial #: 6755 Inside Press@RunDepth: 20.23 psig Start Date: 2011.01.25 Start Time: 05:43:48	End Date: End Time: 1"	2011.01.25 10:27:31	Capacity: Last Calib.: Time On Btm: Time Off Btm:	8000.00 psig 2011.01.25 2011.01.25 @ 07:03:31 2011.01.25 @ 09:05:46		
FSI-Dead		1	DDCOOL			
8755 Pressure vs. 1	6755 Temperature	Time	PRESSU Pressure Temp	RE SUMMARY		
1200 1000 1000		(Min.) 0 1 30 62 63 91 122 123	18.95 86.4 19.78 87.3 123.38 88.7 22.01 88.7 20.23 89.7 74.52 90.8	6 Initial Hydro-static		
			G	as Rates		
Recovery		1 1	Choke	(inches) Pressure (psig) Gas Rate (Mct/d)		

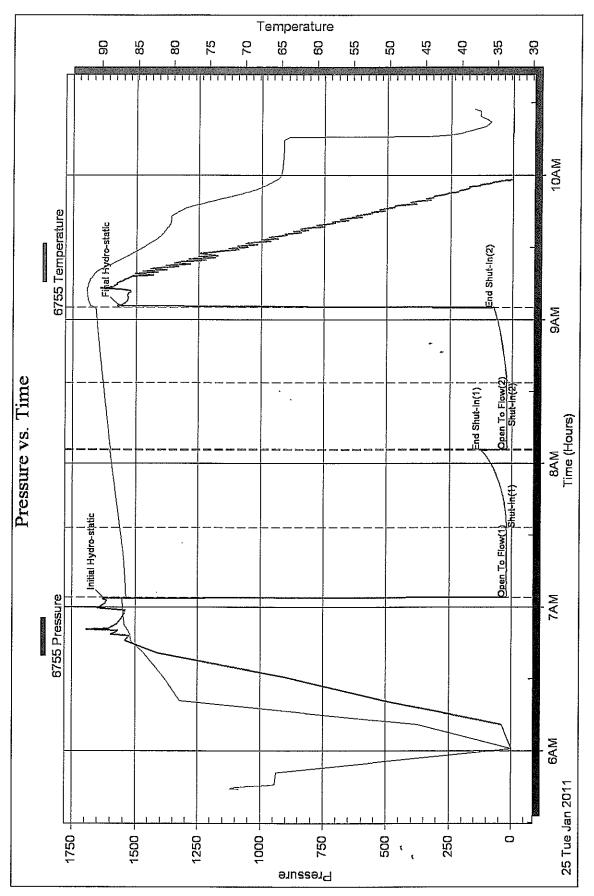
RILOE		DRI	LL ST	EM TEST	REPOR	RT	TOOL DIAGRA
		Russell	Oil Inc.			Keil #2-32	
EST	TING , INC	PO box	8050			32-15s14w Russell	KS
	,	1 . 0 . 00	0000 I,OK 7308:	3			
						Job Ticket: 41295	DST#:3
		ATTN:	Steve Mur	phy		Test Start: 2011.01.25	@ 05:43:46
Tool Information							
Drill Pipe: Length:	3236.00 ft	Diameter:	3.80	inches Volume:	45.39 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe: Length:		Diameter:		inches Volume:		Weight set on Packe	
Drill Collar: Length:	0.00 ft	Diameter:	2.25	inches Volume:		Weight to Pull Loose	
Drill Pipe Above KB:	32.00 ft			Total Volume:	45.39 bbl	Tool Chased String Weight: Initial	0.00 ft 38000.00 lb
Depth to Top Packer:	3232.00 ft					Final	
Depth to Bottom Packer:	ft						00000.00
Interval between Packers:							
Tool Length:	41.00 ft	D '	0.75	· · · · · · · ·			
Number of Packers: Tool Comments:	2	Diameter:	6.75	inches			
						•	
Tool Description Change Over Sub	Lei	ngth (ft) 1.00	Serial No	. Position	Depth (ft) A 3205.00	ccum. Lengths	
Shut In Tool		5.00			3205.00		
Hydraulic tool		5.00			3210.00		
		5.00			3215.00		
lare					3770.00		
Jars Safahu laint							
Safety Joint		2.00			3222.00	<u></u>	
Safety Joint Packer		2.00 5.00			3222.00 3227.00	28.00	Bottom Of Top Packer
Safety Joint Packer Packer		2.00 5.00 5.00			3222.00 3227.00 3232.00	28.00	Bottom Of Top Packer
Safety Joint Packer Packer Stubb		2.00 5.00 5.00 1.00	6765		3222.00 3227.00 3232.00 3233.00	28.00	Bottom Of Top Packer
Safety Joint Packer Packer Stubb Recorder		2.00 5.00 5.00 1.00 0.00	6755		3222.00 3227.00 3232.00 3233.00 3233.00	28.00	Bottom Of Top Packer
Safety Joint Packer Packer Stubb Recorder Recorder		2.00 5.00 5.00 1.00 0.00 0.00	6755 8673		3222.00 3227.00 3232.00 3233.00 3233.00 3233.00	28.00	Bottom Of Top Packer
Safety Joint Packer Packer Stubb Recorder Recorder Perforations		2.00 5.00 1.00 0.00 9.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	Longth	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00		Bottom Of Top Packer
Safety Joint Packer Packer Stubb Recorder Recorder Perforations	l Length:	2.00 5.00 1.00 0.00 9.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	I Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	l Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	l Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	l Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	l Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	l Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	l Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		
Bafety Joint Packer Packer Bitubb Recorder Recorder Recorder Perforations Bullnose	l Length:	2.00 5.00 1.00 0.00 0.00 9.00 3.00			3222.00 3227.00 3232.00 3233.00 3233.00 3233.00 3242.00		

ATEN			DRI	LL STE	EM TEST R	REPOR	Г		FLUID S	UMMARY
NHU	RILOBITE	ļ	Russe	l Oil Inc.	· , , ,,,,,,,,, , ,,,,,,,,,,,,,,,,,,,,		Keil #2-32	2		
	ESTING	, INC	PO bo> Edmon	: 8050 d,OK 73083			32-15s14v Job Ticket: 4	/ Russell KS	B DST#:3	
Men I	۹.		ATTN:	Steve Murp	ohy		Test Start: 2	2011.01.25 @ ()5:43:46	
Mud and	Cushion Informa	tion								
Mud Type:				Cus	hion Type:			Oil API:		deg API
Mud Weight:				Cus	hion Length:		ft	Water Salinity	:	ppm
Viscosity:	47.00 sec/qt				hion Volume:		bbl			
Water Loss:					Cushion Type:					
Resistivity:	ohm.m	1		Gas	Cushion Pressure:		psig			
Salinity: Filter Cake:	7100.00 ppm inches									
Recovery	Information									
· · · J				Red	covery Table			_		
		Lengt ft	h	l	Description		Volume bbl			
			20.00	OCM-10%C	D-90%M		0.281			
	Total Ler	ngth:	20	00 ft 7	Fotal Volume:	0.281 bbl				
	Num Flui	d Sampl	les: 0	1	Num Gas Bombs:	0	Serial #	:		
	Laborato				aboratory Location					
	Recover	y Comm	ents:							
						٦				
						C				

Serial #: 6755 Inside Russell Oil Inc.







Frinted: 2011.01.31 @ 20:29:12 Page 5

Ref. No: 41295

Tritobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: Russell Oil Inc.

PO box 8050 Edmond,OK 73083

ATTN: Steve Murphy

32-15s14w Russell KS

Keil #2-32

Start Date:	2011.01.25 @) 22:09:23	
End Date:	2011.01.26 @	02:22:53	
Job Ticket #:	41296	DST#: 4	

Russell Oil Inc.

Keil #2-32

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

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RILOBITE	DRILL STEM TES				
TESTING, INC			Keil a		
	PO box 8050 Edmond,OK 73083			s 14w Russell k ket: 41296	(S DST#:4
	ATTN: Steve Murphy		Test S	tart: 2011.01.25@) 22:09:23
GENERAL INFORMATION:					.,
Formation:"J"Deviated:NoWhipstock:Time Tool Opened:23:38:23Time Test Ended:02:22:53	ft (KB)		Test Ty Tester: Unit No	: Jason McLe	al Bottom Hole more
Interval:3323.00 ft (KB) To33Total Depth:3335.00 ft (KB) (ThHole Diameter:7.80 inchesHole			Refere	nce Elevations: KB to GR/CF:	1931.00 ft (KB) 1923.00 ft (CF) 8.00 ft
Serial #: 6755 Inside Press@RunDepth: 16.50 psig Start Date: 2011.01.25 Start Time: 22:09:25 TEST COMMENT: IFP-Weak Blow ,D ISI-Dead FFP-Dead FSI-Dead FSI-Dead	End Date: End Time:	2011.01.26 02:22:53	Capacity: Last Calib.: Time On Btn Time Off Btr	n: 2011.01.25 d	-
Pressure vs. Tr	me	1	PRE	SSURE SUMM	ARY
Dis Freise 1700	675 Титрилиса 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Time (Min.) 0 1 15 46 46 61 99 100	(psig) (c 1685.36 16.13 17.16 34.87 15.94 16.50 30.44	Femp leg F)Annotation90.10Initial Hydro89.43Open To Fl89.74Shut-In(1)90.46End Shut-Ir90.45Open To Fl90.91Shut-In(2)91.93End Shut-Ir92.96Final Hydro	o-static low (1) n(1) ow (2) n(2)
Recovery				Gas Rates	······································
Length (ft) Description 1.00 Drilling Mud	Volume (bbi) 0.01			Choke (inches) Pressur	re (psig) Gas Rate (Mcf/d)

No.

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	RILOB	ITC	DRI	LL STE	EM TEST	Г REPO	RT	ĩ	OOL DIAGRA
			Russell	Oil Inc.			Keil #2-32		
	I ESTI	ING , INC	PO box	90E0			90 48-4 A.2 M		
		,	10000	8050 I,OK 73083	1		32-15s14w Ru		
							Job Ticket: 4129	5 C)ST#:4
			ATTN:	Steve Murp	bhy		Test Start: 2011.	01.25 @ 22:0	9:23
Tool Information									
	-	3327.00 ft			nches Volume:		0	200	0.00 lb
	ength:		Diameter:		nches Volume:		-		
Drill Collar: Le	ength:	0.00 ft	Diameter:	2,25 1	nches Volume:		- *		
Drill Pipe Above KB:		32.00 ft			Total Volume:	46.67 bb	I Tool Chased String Weight:		0.00 ft 0.00 lb
Depth to Top Packer		3323.00 ft					othing weight.		0.00 lb
Depth to Bottom Pac		ft						1 mai 0000	0.00 15
Interval between Par Tool Length:	ckers:	12.00 ft							
Number of Packers:		40.00 ft 2	Diameter:	6.75 ir	nchee				
Tool Comments:		2	Diditi (Clarke)	0.75	ICHES				
							•		
Tool Description		Ler	ngth (ft)	Serial No.	Position	Depth (ft)	- Accum. Lengths		
Change Over Sub	··· . <u>-</u>		1.00		-	3296.00			
Shut In Tool			5.00			3301.00			
Hydraulic tool			5.00			3306.00			
Jars			5.00			3311.00			
Safety Joint			2.00			3313.00			
Packer			5.00			3318.00	28.00	Botto	m Of Top Packer
Packer			5.00			3323.00			
Stubb			1.00			3324.00			
Recorder			0.00	6755	Inside	3324.00			
Recorder			0 .00	8673	Outside	3324.00			
Perforations			8.00			3332.00			
Perforations Bullnose			8.00 3.00			3332.00 3335.00	12.00	Bottom Pa	ckers & Anchor

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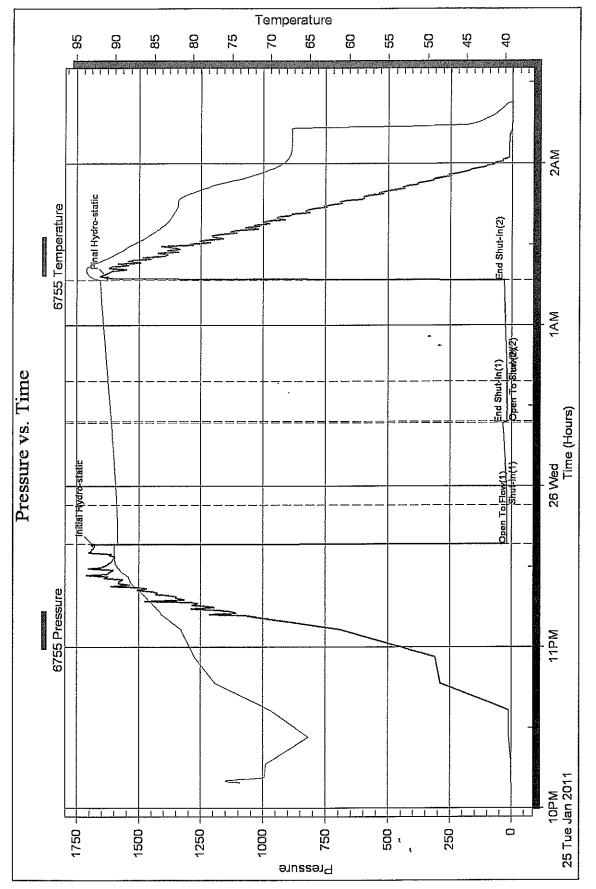
		DRI	ILL STEM TEST REPORT			FLUID SL	MMARY
RILOBIT		Russel	li Oil Inc.	Keil #2-32			
TESTIN	IG , INC		x 8050 nd,OK 73083 Steve Murphy	Job Ticket: 4	Russell KS 1296 011.01.25 @ 22	DST#:4 2:09:23	
Mud and Cushion Infor	mation						
Mud Type: Gel Chem Mud Weight: 9.00 lb/g Viscosity: 48.00 sec Water Loss: 9.58 in ³ Resistivity: ohn Salinity: 6700.00 ppn Filter Cake: inch	c/qt n.m n		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:		Oil API: Water Salinity:		deg API ppm
Recovery Information							
 			Recovery Table				
	Length ft		Description	Volume bbl			
	Length:	1.00	Drilling Mud • 1.00 ft Total Volume: 0.014 bbl	0.014			
	ratory Name	ents: -	Laboratory Location:				
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32-15s14w Russell KS





Frinted: 2011.01.31 @ 20:30:00 Page 5

Ref. No: 41296

Trilobite Testing, Inc

TIN TO		DRILL STEM	TES	TREP	ORT				
	ILOBITE	Russell Oil Inc.			Ke	il #2-32		· - · ·	
	ESTING , INC	PO box 8050 Edmond,OK 73083				- 15s14w Ticket: 41	Russell	KS DST:	# 5
		ATTN: Steve Murphy)11.01.26 @		
GENERAL INFOR	 RMATION:								
Formation: An Deviated: No Time Tool Opened: 13 Time Test Ended: 18	3:36:54	ft (KB)			Tes	ter:	Convention Jason McLe 54		Hole
	3400.00 ft (KB) (T	200.00 ft (KB) (TVD) /D) e Condition: Good			Ref	erence ⊟e KB t	evations: to GR/CF:	1923.0	00 ft(KB) 00 ft(CF) 00 ft
Serial #: 6755 Press@RunDepth: Start Date: Start Time:	Inside 81.50 psig 2011.01.26 12:01:41	@ 3392.00 ft (KB) End Date: End Time:		2011.01.26 18:27:09	Capacity Last Cali Timę On Time Off	b.: Btm: 2	2011.01.26 2011.01.26	2011.01.2 @ 13:36:3	39
TEST COMMENT	: IFP-Good Blow, I ISI-Blow back Bu FFP-Good Blow, FSI-Blow back B	ilt to 1/2" BOB in 26 Min.							
	Pressure vs. 1	Ĩme			PI	RESSUF	RE SUMN	IARY	
220 Wed Jan 2011		CEST Tempe dues			Pressure (psig) 1740.25 28.61 49.59 790.01 53.16 81.50 705.93 1717.82	93.05 94.75 94.25 98.36	Open To I Shut-in(1) End Shut- Open To I Shut-in(2) End Shut-	ro-static Flow (1) In(1) Flow (2) In(2)	
	Recovery	·		 			s Rates		
Length (ft)	Description	Volume (bbl)	\rightarrow	L		Choke (i	inches) Press	sure (psig)	Gas Rate (Mcf/d)
150.00 Clear 20.00 HOC	n Oil M-45%O-55%M	0.28							
	as In Pipe	0.00							
		· · · · · · · · · · · · · · · · · · ·			t t				
Trilobite Testing, I		Ref. No: 41297	i			Printed	2011.01.3	1 @ 20:30	:32 Page 2

Printed: 2011.01.31 @ 20:30:32 Page 2

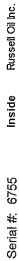
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	DITE	DRII	L ST	EM TEST	REPO	RT	TOOL DIAGRAN
RILOE	116	Russell	Oil Inc.			Keil #2-32	
EST	TNG , INC	DO have	0050			20 dEad Are Drease U.1	/ 0
		10 000	8050 ,OK 7308	3		32-15s14w Russell I	
		Lantona		0		Job Ticket: 41297	DST#:5
THEORY I		ATTN:	Steve Mu	rphy		Test Start: 2011.01.26 @	9 12:01:39
Tool Information							
· –	3395.00 ft	Diameter:	3.80	inches Volume:	47.62 bb	I Tool Weight:	2000.00 lb
Heavy Wt. Pipe: Length:		Diameter:		inches Volume:	0.00 bb	-	
Drill Collar: Length:	0.00 ft	Diameter:	2.25	inches Volume:	0.00 bb		
Drill Pipe Above KB:	33.00 ft			Total Volume:	47.62 bb		0.00 ft
Depth to Top Packer:	3390.00 ft					String Weight: Initial Final	38000.00 lb 39000.00 lb
Depth to Bottom Packer:	ft) indi	33000.00 10
Interval between Packers:	10.00 ft						
Tool Length: Number of Packers:	38.00 ft 2	Diameter:	6 76	inches			
Tool Comments:	2		0.75	inches			
Tool Description	ler	igth (ft) 🖇	Serial No	. Position	Depth (ft)	Accum. Lengths	
Change Over Sub		1.00		. 10511011	3363.00	Acount. Lengtho	
Shut In Tool		5.00		• •	3368.00		
Hydraulic tool		5.00			3373.00		
Jars		5.00			3378.00		
Safety Joint		2.00			3380.00		
Packer		5.00			3385.00	28.00	Bottom Of Top Packer
Packer		5.00			3390.00		
Stubb		1.00			3391.00		
Perforations		1.00			3392.00		
Recorder		0.00	6755	Inside	3392.00		
Recorder		0.00	8673	Outside	3392.00		
Perforations		5.00			3397.00		
Bullnose		3.00			3400.00	10.00 Bot	tom Packers & Anchor
Total Tool	Length:	38.00					
					ι		
						(

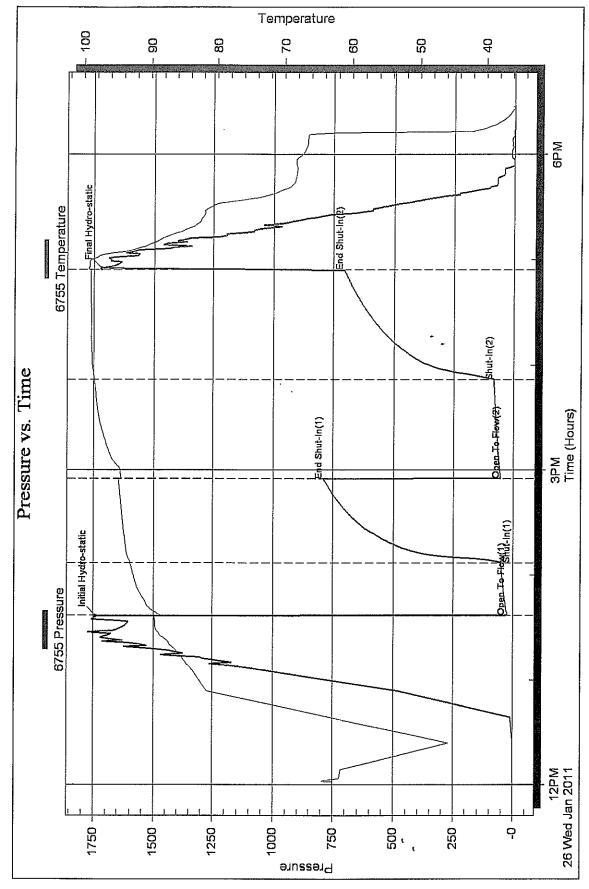
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10 m	RILOBIT	τ.	DRI	LL STEM T	EST R	EPORT	-		FLUID S	UMMARY
NHEW)	Street or produced by state a summary street		Russel	li Oil Inc.			Keil #2-32			
	ESTIN	G , INC		x 8050 d,OK 73083 Steve Murphy			Job Ticket: 4	/ Russell KS 11297 2011.01.26 @ 1	DST#:5	
Mud ond (Cushion Inform									
	Gel Chem 9.00 lb/g 47.00 sec 10.76 in ³ ohm 7100.00 ppm inch	al /qt 1.m		Cushion Ty Cushion Le Cushion Vo Gas Cushio Gas Cushio	ngth: lume:		ft bbl psig	Oil API: Water Salinity:	3() deg API ppm
Recovery	Information				T . 6.1 .					
		Lengt ft	h	Recovery			Volume bbl			
			150.00	Clean Oil			2.104			
			20.00	HOCM-45%O-55% 40' Gas In Pipe	M		0.281	7		
	Total L	ength:		.00 ft Total Vo	lume:	2.385 bbl		+		
	Labora	iluid Sampl atory Nam very Comm	e:		s Bombs: bry Location	0	Serial #			
						ı t				



32-15s14w Russell KS





Frinted: 2011.01.31 @ 20:30:33 Page 5

Ref. No: 41297

Trilobite Testing, Inc

L'SF	FEVEN P. MURPHY, P.G. <i>Petroleum Geologist (KS #228)</i>	
TUNNER		
	RR#1, Box 69	
Cell 620.639.3		
Fax 785.387.2	100	
	geomurphy@gbta.net	
	Scale 1:240 (5''=100') Imperial Measured Depth Log	
Location: License Number: Spud Date: Surface Coordinates:	Keil A #2-32 Russell County API #15-167-23,684-00-00 11-19-11 1650' FNL & 960' FEL (E/2 NW SE NE) Section 32 - Township 15 South - Range 14 West Same as above (vertical hole, no significant deviation)	
Ground Elevation (ft): Logged Interval (ft): Formation: Type of Drilling Fluid:	1921' K.B. Elevation (ft): 1931 2500' To: TD Total Depth (ft): LTD-3500' RTD-3500' Tarkio thru Arbuckle Chemical (Mudco - Rick Hughes, Mud Engineer) Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com	
	OPERATOR	
Company: Address:	Russell Oil, Inc. P.O. Box 8050 Edmond, OK 73083 405-752-7600	
	GEOLOGIST	
Company:	Steven P. Murphy, PG Consulting Petroleum Geologist (KS License #228) 3365 County Rd 390 Otis, KS 67565 Cell Phone No: 620-639-3030	
	LogTops (Datum)	
The open-hole logging was Neutron/Compensated Dens	performed by Log-Tech(Hays, KS shop). Logs included Compensated ity, Dual Induction, Sonic & Microlog.	
	from the open-hole logs include the following:	
Top Anhydrite - 930 (+1001) Tarkio - 2581 (-650) Howard - 2777 (-846) Topeka - 2850 (-919) Heebner - 3080 (-1149)		
Toronto - 3098 (-1167) Lansing - 3142 (-1211) BKC - 3380 (-1449) Arbuckle - 3391(-1460)		

DRILL STEM TESTS #1-3

The followng drillstem tests were performed by Jason McLemore with Trilobite Testing from the Hays shop:

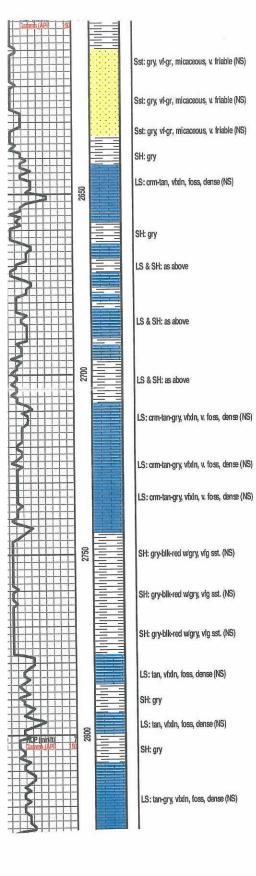
DST #1 - LKC "C" (3166-3175) 30:30:60:60 IF: BOB in 25 min, no return FF: BOB in 45 min, no return Recovery: 1' clean oil, 125' MW (90% W, 10% M) IHP: 1582 FHP: 1563 IFP: 19-50 ISIP: 479 FFP: 53-89 FSIP: 485 BHT: 94 deg F Chlorides: 200,000 ppm DST #2 - LKC "D,E,F" (3178-3230) 30:45:60:60 IF: BOB in 7 min, 1/4" return after 14 min FF: BOB in 14 min, return built to 3/4" Recovery: 210' GIP, 5' frothy OCMW (60% G, 10% O, 10% M), 325' MW w/scum of oil. IHP: 1613 FHP: 1556 IFP: 43-108 **ISIP: 549** FFP: 112-193 FSIP: 513 BHT: 98 deg F Chlorides: 180,000 ppm DST #3 - LKC "G" (3232-3245) 30:30:30:30 IF: Weak 1" blow, no return FF: No blow, no return Recovery: 20' OCM (10% O, 90% M) IHP: 1622 FHP: 1569 IFP: 19-20 **ISIP: 123** FFP: 22-20 FSIP: 75 BHT: 91 deg F

DRILL STEM TESTS #4-6 DST #4 - LCK "J" (3323-3335) 15:30:15:30 IF: Weak blow died in 5min, no return FF: No blow, no return Recovery: 1' Mud IHP: 1685 FHP: 1625 IFP: 16-17 ISIP: 35 FFP: 16-17 FSIP: 30 BHT: 92 deg F DST #5 - Arbuckie 33388-3400) 30:45:60:60 IF: Good blow, BOB in 13 min, 1/2" return FF: Good blow, BOB in 26 min, 1/4" return Recovery: 150' Clean Oil (30 Gravity), 20' HOCM (45% O, 55% M) IHP: 1740 FHP: 1718 IFP: 29-50 ISIP: 790 FFP: 53-82 FSIP: 706 BHT: 99 deg F Oil Gravity: 30

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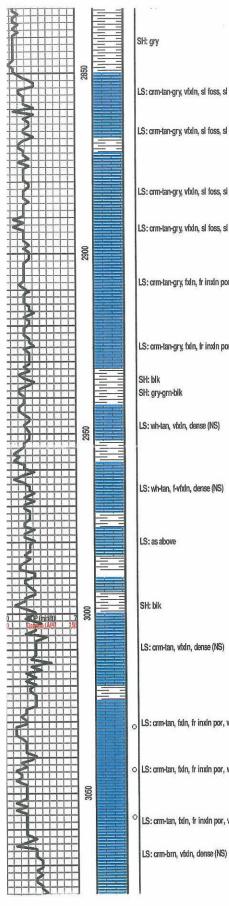
1		CONIVIENIS			
The Keil A#2-32 was drilled	by Southwind Drilling	Rig # (Tool pusher Frank Rom	ne).		
Based on positive results of installed to produce oil from		ample & log analysis, it was re ion.	ecommended that casing be		
5-1/2", 15.5# casing was se	t 2' off bottom with				
Based on log analysis, add (3246-3254).	itional potential for pro	oduction includes the "L" zone	e (3372-3374) and the "G" zone		
Respectully submitted,					
Steven P. Murphy, PG Consulting Petroleum Geologist (KS Licence #228)					
		ROCK TYPES			
Anhy Bent Bent Benc AAAAA Cht Clyst	Coal Congl Dol Gyp	Lmst Meta IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Shcol Shgy Sitst Ss XXXXXXXXX Till		
		THER SYMBOLS			
OIL SHOW Even Spotted Ques	⊡ Dead ☆ Gas	INTERVAL Core Dst	EVENT Conn Rft Sidewall		

Curve Track 1 ROP (min/it) Bamma (API)	Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
ROP (mitVit) 7 Galarinh (API) 150	33			SAMPLE DESCRIPTIONS	NOTES:
				Sample Quality Poor (Abund shale & sst) Sst: gry, vfg, v. friable, fr intgran por	Southwind Drilling (Rig #1) MIRU on 11-19-11 Set 8-5/8" surface casing @ 926' Deviation Survey @ 978' - 1 degree Geologist on location @ 9:30 pm on 1-22-11 Pipe strap @ 3175' (DST #1): 1.04' long to board (No correction made) Deviation Survey @ 3175' - 1-1/4 degree Deviation Survey @ 3235' - 1/4 degree
				SH: gry	
				SH: gry	SAMPLE FORMATION TOPS & DST RESULTS (NOTE: Please refer to the main header for
				SH: gry	electric log tops)
			LS: crm-tan-gny, fxln, foss, fr inxln por (NS) LS: crm-tan-gny, fxln, foss, fr inxln por (NS)	Tarkio 2581 (-650)	



Howard 2776 (-845)

1



SH: gry
LS: crm-tan-gry, vhdn, sl foss, sl chalky, dense (NS)
LS: crm-tan-gry, vfxln, sl foss, sl chalky, dense (NS)
LS: crm-tan-gry, vfxin, sI foss, sI chalky, dense (NS)
LS: crm-tan-gry, vhdn, sl foss, sl chalky, dense (NS)
LS: crm-tan-gry, fxln, fr inxln por, sl foss, chalky, shaley (NS)
LS: crm-tan-gry, fxln, fr inxln por, sl foss, chalky, shaley (NS)
SH: blk SH: gry-grn-blk
LS: wh-tan, vhdn, dense (NS)
LS: wh-Han, f-vixin, dense (NS)
LS: as above
SH: blk
LS: orm-tan, vfxln, dense (NS)
5
LS: crm-tan, fxln, fr inxin por, vssfo, minor stn, sl odor
LS: crm-tan, fxln, fr inxln por, vssfo, minor stn, sl odor
LS: crm-tan, fxin, fr inxin por, vssfo, minor stri, si odor

Topeka 2851 (-920)

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 Bit py, miceace wance py elitions Bit py elitions Bit py elitions Bit py el		0	LS: wh-tan, f-vfxln, mostly dense, tr free oil, minor stn, sl odor (rare		
91 cryminanceu visuos cryminitore 92 cryminanceu visuos cryminitore 93 cryminitore 94 cryminitore 95 cryminitore			ga vug por wissio)		
91 cryminanceu visuos cryminitore 92 cryminanceu visuos cryminitore 93 cryminitore 94 cryminitore 95 cryminitore					
91 cryminanceu visuos cryminitore 92 cryminanceu visuos cryminitore 93 cryminitore 94 cryminitore 95 cryminitore				Douglas Sh 311/ (-11)	83)
Site gr, microscon wissocry sillation: IS: when, find, open, it wag por, sind, micro sh, it coir IS: when, find, open, it wag por, sind, at sh, it coir IS: when, find, open, it wag por, sind, at sh, it coir IS: when, find, open, it wag por, sind, at sh, it coir IS: when, find, open, it wag por, sind, at sh, or coir, sind IS: when, find, open, it wag por, sind, at sh, or coir IS: when, find, open, it wag por, sind, at sh, or coir IS: when, find, open, it wag por, sind, at sh, or coir IS: when, find, open, it wag por, sind, at sh, or coir IS: when, find, open, it has at th, or coir IS: when, find, open, it has at th, or coir IS: when, find, open, it has at th, or coir IS: when, find, open, it has at th, or coir IS: when, find, open, it has at th, or coir IS: when, find, open, the, sith at or coir IS: when, find, open, the, sith at or coir IS: when, find, open, the, sith at or coir IS: when, find, open, the, sith at at or coir IS: when, find, open, the, sith at at or coir IS: when, find, open, the, sith at or coir IS: when, find, open, the, sith at or coir IS: when, find, open, the, sith, it or coir IS: when, find, open, the, sith, it or coir IS: when, find, open, the, sith, it nd; o			SH: gry, micaceous w/assoc gry siltstone	Douglas 511 0114 (*11)	
Site gr, microscon wissocry sillation: IS: when, find, open, it wag por, sind, micro sh, it coir IS: when, find, open, it wag por, sind, at sh, it coir IS: when, find, open, it wag por, sind, at sh, it coir IS: when, find, open, it wag por, sind, at sh, it coir IS: when, find, open, it wag por, sind, at sh, or coir, sind IS: when, find, open, it wag por, sind, at sh, or coir IS: when, find, open, it wag por, sind, at sh, or coir IS: when, find, open, it wag por, sind, at sh, or coir IS: when, find, open, it wag por, sind, at sh, or coir IS: when, find, open, it has at th, or coir IS: when, find, open, it has at th, or coir IS: when, find, open, it has at th, or coir IS: when, find, open, it has at th, or coir IS: when, find, open, it has at th, or coir IS: when, find, open, the, sith at or coir IS: when, find, open, the, sith at or coir IS: when, find, open, the, sith at or coir IS: when, find, open, the, sith at at or coir IS: when, find, open, the, sith at at or coir IS: when, find, open, the, sith at or coir IS: when, find, open, the, sith at or coir IS: when, find, open, the, sith, it or coir IS: when, find, open, the, sith, it or coir IS: when, find, open, the, sith, it nd; o	3				
 Lansing 3142(-1211) Lansing 314(-1211) Lansing 314(-12			SH: gry, micaceous w/assoc gry siltstone		
 Lansing 3142(-1211) Lansing 314(-1211) Lansing 314(-12					
 a Construct with any angle is in a social with a			SH: gry, micaceous w/assoc gry siltstone		
 Contract, full, get inth a wig per, into a wig a doub, much sector 15 in 25 min and 15 min 25 min			LS: wh-tan, vixin, dense, tr vug por, vssto, minor sin, fr odor	Lansing 3142 (-1211)	
 Contract, full, get inth a wig per, into a wig a doub, much sector 15 in 25 min and 15 min 25 min					DST #1 - LKC "C" (3166-3175)
 B: when, tén, colic, poly dema, are tár rug por, tén, st sti, st odor B: when, tén, colic, poly dema, are tár rug por, tén, st sti, st odor B: sth-sen, tén, colic, poly dema, are tár rug por, tén, st sti, st odor B: sth-sen, tén, colic, poly more sta, tr odor B: sth-sen, tén, colic, poly rug por, tén, st sti, st odor B: sth-sen, tén, colic, poly rug por, tén, st sti, st odor B: sth-sen, tén, colic, poly rug por, tén, st sti, st odor B: sth-sen, tén, colic, poly rug por, tén, st sti, st odor B: sth-sen, tén, colic, poly rug por, tén, st sti, st odor B: sth-sen, tén, colic, poly rug por, tén, st sti, st odor B: sth-sen, tén, colic, poly rug por, tén, st sti, st odor B: sth-sen, tén, colic, poly rug por, tén, st sti, st odor B: sth-sen, tén, colic, poly rug por, tén, st sti, st odor B: sth-poly tén, colic, poly rug por, tén, st sti, st odor B: sth-poly tén, colic, poly rug por, tén, st sti, st odor B: sth-poly tén, colic, poly rug por, tén, st sti, st odor B: sth-poly tén, colic, poly rug por, tén, st sti, st odor B: sth-poly tén, colic, poly modic por, ratio, tr sti, st odor B: sth-poly tén, colic, poly modic por, ratio, tr sti, st odor B: sth-poly tén, colic, poly modic por, ratio, tr sti, st odor B: sth-poly tén, colic, poly modic por, ratio, tr sti, st odor B: sth-poly tén, colic, poly modic por, ratio, tr sti, st odor B: sth-poly tén, colic, poly modic por, ratio, tr sti, st odor B: sth-poly tén, colic, poly modic por, ratio, tr sti, st odor B: sth-poly tén, colic, poly modic por, ratio, tr sti, st odor B: sth-poly tén, colic, poly modic por, ratio, tr sti, st odor B: sth-poly tén, colic, poly modic por, ratio, tr sti, st odor B: sth-poly tén, colic, poly th tint por, sto, tr sti, tr odor B: sth-poly tén, colic, poly thind por, sto, tr sti, tr odor		٠	LS: crm-tan, fxln, f-gd inxln & vug por, fsfo, sat stn, str odor, (much dense tan I S in 50 min sample)		30:30:60:60
If rode BP-1928 (PP-1938) IS: wh-em, bin, coil, prior shi, is odor BP-1928 (PP-1938) IS: wh-em, bin, coil, prior shi, is odor BP-1928 (PP-1938) IS: wh-em, bin, coil, prior shi, is odor BP-1928 (PP-1938) IS: wh-em, bin, coil, prior shi, is odor BP-1928 (PP-1938) IS: wh-em, bin, coil, prior shi, is odor Distribution IS: wh-em, bin, coil, prior shi, is odor Distribution IS: wh-em, bin, coil, region port, bin, set shi, str odor Distribution IS: wh-em, bin, coil, region port, bin, set shi, str odor Distribution IS: wh-em, bin, coil, region port, bin, set shi, str odor Distribution IS: wh-em, bin, coil, region port, bin, set shi, str odor Distribution IS: wh-em, bin, fred wine, if shi, str odor Distribution IS: wh-em, bin, fred wine, if shi, str odor Distribution IS: wh-em, bin, fred wine, if shi, str odor Distribution IS: wh-em, bin, fred wine, if shi, str odor Distribution IS: wh-em, bin, coil, pr-ti moldic por, rath, if shi, str odor Distribution IS: wh-em, bin, fred, while chart Distribution IS: wh-em, bin, coil, pr-ti moldic por, rath, if shi, str odor Distribution IS: wh-em, bin, coil, pr-ti moldic por, rath, if shi					FF: BOB in 45 min, no return
 S. Mirchi, Gay, Kay, Say, Say, Say, Say, Say, Say, Say, S		•			IHP: 1582 FHP: 1563
 FP: 538 FP: 548 <			LS: wh-crm, fxln, foss, fr vug por, fsfo, sal sin, str odor		
Bit: 94 dag F Chickies 2000 prom Chickies 2000 prom DBT #2 - UK 'DG EF' (778-200) 3945000 F: BOB In 7 min, 14" return after 14 min F: BOB In 7 min F: BOB I					FFP: 53-89
L3: cam-kan, kfn, colic, gd comold/ug por, kfo, at dn, at odor DGT #-1/KC ¹⁰ [EF ¹⁰ (778-520) 30:55000 30:55000 30:55000 30:55000 30:55000 30:55000 30:5500				14	BHT: 94 deg F
Bit grydiken Bit grydiken Bit grydiken			IS cratan film onlic, ad nomold/war nor, isto, sat sin, strodor		Chlorides: 200,000 ppm
 LS: tax, vbdn, dese, ir fo, minor sin, ir odor F: BOB in 7 min, Vir return site ir 4 min F: BOB in 7 min, Vir return site in 34" Recores; 10 Febr; 105 MW viscand of al. Sit: grysblichm LS: cm-tax, btn, col, hrgd vag por, fab, set sin, sit odor LS: wherm, fab, fred indin & vag por, fab, gd sin, sit odor LS: wherm, fab, fred indin & vag por, fab, gd sin, sit odor Sit: grysblichm LS: wherm, fab, fred indin & vag por, fab, gd sin, sit odor Sit: grysblichm LS: wherm, fab, fred indin & vag por, fab, gd sin, sit odor Sit: grysblichm Sit: grysblichm Sit: grysblichm Sit: wherm, fab, fred indin & vag por, fab, gd sin, sit odor Sit: grysblichm, colic, pri-fmolic por, rado, ir sin, sit odor Sit: wherm, fab, fred indin & vag por, fab, gd sin, sit odor Sit: wherm, fab, fred indin & vag por, fab, gd sin, sit odor Sit: wherm, fab, fred indin & vag por, fab, gd sin, sit odor Sit: grysblicgm Sit: grysblicgm Sit: grysblicgm Sit: wherm, fab, fred indin exce, tradi, ir sin, sit odor Sit: wherm, fab, fred indin exce, tradi, ir sin, sit odor Sit: grysblicgm Sit: grysblicgm		•			
 LS: Ital, Yong, Galag, Pro, Hintor Sh, in Color F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: DOB in 7 min, UP return Bit 14 min F: Pro Bit 15 min F: DOB in 7 min					
Str. gryddlebra Str. gryddlebra I: cm-ian, fain, ool, fred wg por, fain, ast ain, str odor IS: cm-ian, fain, ool, fred wg por, fain, ast ain, str odor I: cm-ian, fain, fred innin & wg por, fain, gd stn, str odor IS: cm-ian, fain, fred innin & wg por, fain, gd stn, str odor I: cm-ian, fain, odi, fred innin & stn, str odor IS: cm-ian, fain, fred innin & stn, str odor I: cm-ian, fain, fred innin & stn, str odor IS: cm-ian, fain, fred innin & stn, str odor I: cm-ian, fain, ondin, performatic por, ratin, it stn, st odor IS: fred - LKC 'G' (222,3266) I: cm-ian, fain, ondin, performatic por, ratin, it stn, st odor IS: fred - LKC 'G' (222,3266) I: cm-ian, fain, ondin, performatic por, ratin, it stn, st odor IS: fred - LKC 'G' (222,3266) I: cm-ian, fain, onlin, performatic por, ratin, it stn, st odor IS: fred - LKC 'G' (222,3266) I: str office, performatic por, ratin, it stn, st odor IS: rating thin, colic, performatic por, ratin, it stn, st odor I: str office, performatic por, ratin, it stn, st odor IS: rating thin, colic, performatic por, ratin, it stn, it odor I: str office, performatic por, ratin, it stn, it odor IS: rating thin, colic, performatic por, ratin, it stn, it odor I: str office, performatic por, fain, fred, fred inthor IS: rating thin, colic, performatic por, fain, fred inthe rest tis str odor I: str office, fain, coli, performatic por, fain, fred i		0	LS: tan, vfxln, dense, tr fo, minor stn, fr odor		IF: BOB in 7 min, 1/4" return after 14 min
St. gryklikkin IM: Strike IPP: 1563 IS: un-fan, fun, col, fred wag por, fato, st sin, str odor IPP: 651 BPP: 1563 IS: un-fan, fun, col, fred wag por, fato, st sin, str odor IPP: 651 BPP: 1563 IS: un-fan, fun, fred invin & wag por, fato, gd sin, str odor IPP: 651 BPP: 1563 IS: un-fan, fun, fred invin & wag por, fato, gd sin, str odor BFP: 86 dag F IS: un-fan, fund, dense, 'r fo, minor sin, si odor BST 80,000 ppm St: gryklikegin IS: un-fan, fund, dense, 'r fo, minor sin, si odor BST 80,000 ppm IS: where 'r Mooding por, nato, 'r sin, si odor BST 80,000 ppm BST 80,000 ppm IS: where 'r Mooding por, nato, 'r sin, si odor IS: Wag PP: 1698 PP: 1222 IS: where y bin, colic, pe-fr moldic por, nato, 'r sin, si odor ISP: 73 PP: 200 IS: where y bin, colic, pe-fr moldic por, nato, 'r sin, si odor PP: 100 PP: 100 IS: where y bin, colic, pe-fr moldic por, nato, 'r sin, si odor ISP: 73 PP: 200 IS: where y bin, colic, pe-fr moldic por, nato, 'r sin, si odor ISP: 100 PP: 102 IS: where y bin, col, pe-fr indin por, sio, 'r sin, 'r odor IS: where y bin, col, pe-fr indin por, sio, 'r sin, 'r odor IS: where y bin, col, pe-fr indin por, fato, 'r sin, 'r odor IS: where y bin, col, pe-fr indin por, fato, 'r sin, 'r od					FF: BOB in 14 min, return built to 3/4" Recovery: 210' GIP, 5' frothy OCMW (60% G, 10% O, 10% M), 325'.
 LS: cmrlan, bin, ool, fred wag por, fsto, st sin, str odor LS: cmrlan, bin, ool, fred wag por, fsto, gd sin, str odor LS: where, bin, fred indn & wag por, fsto, gd sin, str odor LS: where, bin, fred indn & wag por, fsto, gd sin, str odor CS: where, bin, fred indn & wag por, fsto, gd sin, str odor CS: where, bin, fred indn & wag por, fsto, gd sin, str odor CS: where, bin, fred indn & wag por, fsto, gd sin, str odor CS: where, bin, fred indn & wag por, fsto, gd sin, str odor CS: where, bin, fred indn & wag por, fsto, gd sin, str odor CS: where, bin, fred indn & wag por, fsto, gd sin, str odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, st odor CS: where, bin, colic, pr-tr mobile por, rato, ir stn, ir odor CS: where, bin, colic, pr-t indin por, fato, ir stn, ir odor CS: where, bin, colic, pr-t indin por, fato, ir stn, ir odor CS: where, bin, coli, frindn por, fato, ir stn, ir odor CS: where, bin, coli, frindn por, fato, ir stn, ir odor <li< td=""><td></td><td></td><td>SH: any-bilebra</td><td></td><td>MW w/scum of oil.</td></li<>			SH: any-bilebra		MW w/scum of oil.
 LS: whom, bin, they indo & vug por, fatu, gi situ, str odor LS: whorm, bin, they indo & vug por, fatu, gi situ, str odor LS: whorm, bin, they indo & vug por, fatu, gi situ, str odor LS: cm-ten, bin, they indo & vug por, fatu, gi situ, str odor DS: cm-ten, bin, they indo & vug por, fatu, gi situ, str odor DS: cm-ten, bin, they indo & vug por, fatu, gi situ, str odor DS: cm-ten, bin, they indo & vug por, fatu, gi situ, str odor DS: cm-ten, bin, they indo & vug por, fatu, gi situ, str odor DS: cm-ten, bin, they indo & vug por, fatu, gi situ, str odor DS: cm-ten, bin, they indo & vug por, fatu, it situ, str odor DS: whom, gi tim, colic, pr-tr mobilic por, ratio, it stin, st odor DS: whom, gi tim, dense, chalky (NS but slight odor) DS: whom, gi tim, fatu, coli, pr-tr indn por, stio, it stin, it odor DS: whom, gi tim, they fund, nor, fatu, fran, fr odor DS: whom, gi tim, nor, fatu, fran, fr odor DS: whom, gi tim, to han, coli, pr-tr indn por, fato, fran, fr odor DS: whom, gi tim, coli, pr-tr indn por, fato, fran, fr odor DS: whom, gi tim, nor fato, fran, fran, fr odor DS: whom, fit tim, por, fato, fran, fran, fr odor DS: whom, fit tim, por, fato, fran, fran, fr odor DS: whom, fit tim, por, fato, fran, fran, fr odor DS: whom, fit tim, por, fato, fran, fr odor DS: whom, fit tim, por, fato, fran, fr odor DS: whom, fit tim, por, fato, fran, fr odor DS: whom, fit tim, por, fato, fran, fran, fr odor DS: whom, fit tim, por, fato, fran, fr odor DS: whom, fit tim, por, fato, fran, fran, fr odor DS: whom, fit tim, por, fato, fran, fr odor DS: whom, fit tim, por, fato, fran, fran, fran, fran, frandr DS: whom, fit tim, por, fato, fran, frandr DS: whom, fato, coli, frandr, por, fato, fran, frandr DS: whom, fato, coli, frandr, por, fato, frandr<td></td><td></td><td></td><td></td><td>IFP: 43-108</td>					IFP: 43-108
LS: where, bin, find, find in & vug por, fain, gd sin, str odor Choirdies 100,000 ppm Choirdies 100,000 ppm Choirdies 100,000 ppm Choirdies 100,000 ppm DST 61-LKC "G" (2023-286) 30:00:3030 DST 61-LKC "G" (2023-286) DST 61-LKC "G" (2		•	Los official, and out, if go and portion, or only of our		FFP: 112-193
Chlorides: 180,000 ppm Chlorides: 180,000 ppm Chlorides: 180,000 ppm Chlorides: 180,000 ppm Chlorides: 180,000 ppm Els: cm=kan, vidin, dense, ir io, minor sin, si odor Sit: gry-bilk-gm Chlorides: 180,000 ppm Pi-180 ppm roreturn Recovery: 20 COM (195, 09% M) IP: 182 PP: 183 IP: 183			LS: wh-crm, fxin, fr-ad inxin & vua por, fsfa, ad stn, str odor		
SH: grybillegm DST #1-LCK "U" (322-3336) SH: grybillegm SH: grybillegm SH: grybillegm F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return		•			Chlorides: 180,000 ppm
SH: grybillegm DST #1-LCK "U" (322-3336) SH: grybillegm SH: grybillegm SH: grybillegm F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return F: No blow, no return					
SH: gry-billegm BS H: gry-billegm BS H: gry-billegm SH: gry-billegm F: Weak H" blow, no return F: Weak H" blow, no return F: Weak H" blow, no return Recovery: 20 COM (10% C, 90% M) HP: 1920 HP: 1920 ISB: H: 123 SH: gry-billegm F: Weak H" blow, no return Recovery: 20 COM (10% C, 90% M) HP: 1920 HP: 1920 ISB: H: 123 SH: gry-billegm F: 1220 SH: gry-billegm F: 1220 SH: gry-billegm F: 1220 SH: gry-pitch ISB: H: 121 SH: gry-pitch ISB: wh-gry, bin, colic, pr-ir moldic por, nsio, ir sin, sl odor ISB: wh-gry, bin, colic, pr-ir moldic por, nsio, ir sin, sl odor BHT: 91 deg F ISB: wh-gry, bin, cole, pr-ir moldic por, nsio, ir sin, ir odor ISB: wh-tan-gry, whin, dense (NS) SH: gry-gr-brn ISB: wh-tan-gry, whin, dense, chalky (NS but slight odor) ISB: wh-tan, bin, col, pr-ir indn por, ssio, fr sin, ir odor ISB: wh-gry, bin, col, pr-ir indn por, ssio, fr sin, ir odor ISB: wh-tan, bin, col, pr-ir indn por, fsio, st sin, fr odor ISB: wh-tan, bin, col, pr-ir indn por, fsio, st sin, fr odor ISB: wh-tan, bin, col, ir indin por, fsio, st sin, fr odor ISB: wh-tan, bin, col, ir indin por, fsio, st sin, fr odo		0	LS: crm-tan, vfxln, dense, tr fo, minor stn, sl odor		
97. gryunegin IP: Weak 1" blow, no return FF: Weak 1" blow, no return FF: Weak 1" blow, no return Procesp: 20 COM (10% C, 90% M) IP: 162 IP: 162 FIP: 1590 IP: 162 IP: 162 FIP: 1590 IP: 162 IP: 162 FIP: 1590 IP: 162 IP: 162 FIP: 120 IP: 164 IP: 162 FIP: 120 IP: 161 IP: 161 First or 100 IP: 161 IP: 162 FIP: 120 IP: 161 IP: 161 First or 100 IP: 161 IP: 161 First 100 IP: 161					
95 Percenery: 20 COM (10% 0, 90% M) HP: 1622 HP: 1620 HP: 162 HP: 1620 HP: 165 HP: 1620 HP: 165 <td></td> <td></td> <td>Srr. gry-bik-grn</td> <td></td> <td></td>			Srr. gry-bik-grn		
 Constrained by the second se	328 ****				Recovery: 20' OCM (10% O, 90% M)
Image: Second		0	LS: wh-gry, fxln, oolic, pr-fr moldic por, nsfo, tr stn, sl odor		IFP: 19-20
PSP:75 BHT: 91 deg F IS: wh-gry, fxin, colic, pr-fr moldic por, nsio, ir stn, sl odor BHT: 91 deg F IS: wh-gry, fxin, colic, pr-fr moldic por, nsio, ir stn, sl odor BHT: 91 deg F IS: wh-tan-gry, vfxin, dense (NS) SH: gry-grn-brn IS: wh-tan-gry, vfxin, dense, chalky (NS but slight odor) SH: gry-grn-brn IS: wh-tan-gry, txin, dense, chalky (NS but slight odor) S: wh-tan-gry, txin, for, osc, fr stn, ir odor IS: wh-tan-gry, txin, col, pr-fr imdn por, ssto, fr stn, ir odor IS: wh-tan, fxin, col, pr-fr imdn por, fsto, fr stn, fr odor IS: wh-tan, fxin, col, pr-fr imdn por, fsto, fr stn, fr odor IS: wh-tan, fxin, col, pr-fr imdn por, fsto, fr stn, fr odor IS: wh-tan, fxin, col, pr-fr imdn por, fsto, st stn, fr odor IP: 1657 IS: wh-tan, fxin, col, pr-fr imdn por, fsto, st stn, fr odor IP: 1617 IS: wh-tan, fxin, col, pr-fr imdn por, fsto, st stn, fr odor IP: 1617 IS: wh-tan, fxin, col, pr-fr imdn por, fsto, st stn, fr odor IP: 1617 IS: wh-tan, fxin, col, fr inxin por, fsto, st stn, fr odor IP: 1617 ISI: 23 IP: 1617 <td></td> <td></td> <td></td> <td></td> <td></td>					
 US: as above wassociated fresh while chert LS: wh-tan-gry, vfxln, dense (NS) SH: gry-grn-brn LS: wh-brn-gry, vfxln, dense, chalky (NS but slight odor) LS: wh-gry, fxln, cos, chalky, vsslo, fr stn, fr odor LS: wh-gry, fxln, col, pr-fr inxln por, sslo, fr stn, fr odor LS: wh-tan, fxln, col, pr-fr inxln por, fslo, fr stn, fr odor LS: wh-tan, fxln, col, pr-fr inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, pr-fr inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor LS: wh-tan, fxln, col, ir inxln por, fslo, sst stn, fr odor 			I Stukany fyla galie putrmaldie nav refe treta el ador		FSIP: 75
 LS: wh-tan-gry, vbdn, dense (NS) SH: gry-grn-brn LS: wh-brn-gry, vbdn, dense, chalky (NS but slight odor) LS: wh-gry, bdn, foss, chalky, vssb, fr stn, fr odor LS: wh-gry, bdn, ool, pr-fr inxin por, ssio, fr stn, fr odor LS: wh-tan, fodn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fodn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fodn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fodn, ool, pr-fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, pr-fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor 		0	to mrgry, kin, only, prin monite por, hold, a sul, or oddi		Dilli di doği
 LS: wh-tan-gry, vbdn, dense (NS) SH: gry-grn-brn LS: wh-brn-gry, vbdn, dense, chalky (NS but slight odor) LS: wh-gry, bdn, foss, chalky, vssb, fr stn, fr odor LS: wh-gry, bdn, ool, pr-fr inxin por, ssio, fr stn, fr odor LS: wh-tan, fodn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fodn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fodn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fodn, ool, pr-fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, pr-fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor LS: wh-tan, fodn, ool, fr inxin por, fsto, st stn, fr odor 					
SH: gry-grn-brn LS: wh-brn-gry, vfxln, dense, chalky (NS but slight odor) • LS: wh-gry, fxln, loss, chalky, vssb, fr stn, fr odor • LS: wh-gry, fxln, ool, pr-fr inxln por, ssto, fr stn, fr odor • LS: wh-gry, fxln, ool, pr-fr inxln por, ssto, fr stn, fr odor • LS: wh-gry, fxln, ool, pr-fr inxln por, ssto, fr stn, fr odor • LS: wh-tan, fxln, ool, pr-fr inxln por, fsto, fr stn, fr odor • LS: wh-tan, fxln, ool, pr-fr inxln por, fsto, fr stn, fr odor ID: wh-tan, fxln, ool, pr-fr inxln por, fsto, fr stn, fr odor ID: wh-tan, fxln, ool, pr-fr inxln por, fsto, st stn, fr odor ID: wh-tan, fxln, ool, pr-fr inxln por, fsto, st stn, fr odor ID: wh-tan, fxln, ool, fr inxln por, fsto, st stn, fr odor ID: wh-tan, fxln, ool, fr inxln por, fsto, st stn, fr odor ID: wh-tan, fxln, ool, fr inxln por, fsto, st stn, fr odor ID: wh-tan, fxln, ool, fr inxln por, fsto, st stn, fr odor ID: wh-tan, fxln, ool, fr inxln por, fsto, st stn, fr odor ID: wh-tan, fxln, ool, fr inxln por, fsto, st stn, fr odor ID: wh-tan, fxln, ool, fr inxln por, fsto, st stn, fr odor ID: wh-tan, fxln, ool, fr inxln por, fsto, st stn, fr odor ID: wh-tan, fxln, ool, fr inxln por, fsto, st stn, fr odo			LS: as above wassociated fresh white chert		
 LS: wh-brn-gry, vfdn, dense, chalky (NS but slight odor) LS: wh-gry, fdn, foss, chalky, vssb, fr stn, fr odor LS: wh-gry, fdn, ool, pr-fr inxin por, ssfo, fr stn, fr odor LS: wh-gry, fdn, ool, pr-fr inxin por, ssfo, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor 			LS: wh-tan-gry, vixin, dense (NS)		
 LS: wh-brn-gry, vfdn, dense, chalky (NS but slight odor) LS: wh-gry, fdn, foss, chalky, vssb, fr stn, fr odor LS: wh-gry, fdn, ool, pr-fr inxin por, ssfo, fr stn, fr odor LS: wh-gry, fdn, ool, pr-fr inxin por, ssfo, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fdn, ool, pr-fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor LS: wh-tan, fdn, ool, fr inxin por, fsto, sst stn, fr odor 			SH: an-ara-bra		
 LS: wh-gry, fxln, foss, chalky, vssb, fr stn, fr odor LS: wh-gry, fxln, ool, pr-fr inxln por, sslo, fr stn, fr odor LS: wh-gry, fxln, ool, pr-fr inxln por, sslo, fr stn, fr odor LS: wh-tan, fxln, ool, pr-fr inxln por, fslo, fr stn, fr odor LS: wh-tan, fxln, ool, pr-fr inxln por, fslo, fr stn, fr odor LS: wh-tan, fxln, ool, pr-fr inxln por, fslo, fr stn, fr odor LS: wh-tan, fxln, ool, pr-fr inxln por, fslo, fr stn, fr odor LS: wh-tan, fxln, ool, pr-fr inxln por, fslo, fr stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor LS: wh-tan, fxln, ool, fr inxln por, fslo, st stn, fr odor 					
 C LS: Whigh, both, toss, charky, visib, if stit, if odor LS: whigh, both, toss, charky, visib, if stit, if odor LS: whigh, both, col, pr-fr inxin por, ssto, fr stn, fr odor LS: whiten, fidn, col, pr-fr inxin por, fsto, fr stn, fr odor LS: whiten, fidn, col, pr-fr inxin por, fsto, fr stn, fr odor LS: whiten, fidn, col, pr-fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor LS: whiten, fidn, col, fr inxin por, fsto, st stn, fr odor 					
Lo: Hright while of, pr-frimkin por, take, in out of the state of		0	LS: wh-gry, fxln, foss, chalky, vss/o, fr stn, fr odor		
Lo: Hright while of, pr-frimkin por, take, in out of the state of					
Lo: Hright while of, pr-frimkin por, take, in out of the state of		0	IS where fin an priminan sin frem frader		
LS: wh-tan, fxln, col, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fxln, col, pr-fr inxin por, fsto, fr stn, fr odor LS: wh-tan, fxln, col, fr inxin por, fsto, sat sh, fr odor LS: wh-tan, fxln, col, fr inxin por, fsto, sat sh, fr odor LS: wh-tan, fxln, col, fr inxin por, fsto, sat sh, fr odor LS: wh-tan, fxln, col, fr inxin por, fsto, sat sh, fr odor LS: wh-tan, fxln, col, fr inxin por, fsto, sat sh, fr odor LS: wh-tan, fxln, col, fr inxin por, fsto, sat sh, fr odor LS: wh-tan, fxln, col, fr inxin por, fsto, sat sh, fr odor LS: wh-tan, fxln, col, fr inxin por, fsto, sat sh, fr odor LS: wh-tan, fxln, col, fr inxin por, fsto, sat sh, fr odor LS: wh-tan, fxln, col, fr inxin por, fsto, sat sh, fr odor LS: wh-tan, fxln, col, fr inxin por, fsto, sat sh, fr odor			meet on St 31 many costs for an instant front costs in ones in order		15:30:15:30
LS: wh-tan, fxln, col, fr inxln por, fsfo, sat sin, fr odor ISIP: 36 ISIP: 30		d	IS white find an articitation or fate from trader		FF: No blow, no return
ISIP: 35 FFP: 16-17 FSIP: 30					HP: 1685 FHP: 1625
FFP: 16-17 FSIP: 30			LS: wh-tan, ixin, ooi, ir inxin por, isto, sat sin, fr odor		ISIP: 35
					FFP: 16-17
			LS: crm-tan, vhxin, dense (NS)		

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Sec.		SH: blkgry-gm		DST #5 - Arbuckle 3388-3400) 30:45:60:60 IF: Good blow, BOB in 13 min, 1/2" return FF: Good blow, BOB in 26 min, 1/4" return	1.000
		LS: crm-gry, vîxIn, dense (NS)		Recovery: 150' Clean Oil (30 Gravity), 20' HOCM (45% O, 55% M) IHP: 1740 FHP: 1718 IFP: 29-50	
	0	LS: wh-tan, fxln, pr-fr inxln por, vssto, fr sin, sl odor		ISIP: 730 FFP: 33-82 FSIP: 706 B/T1: 99 deg F	
		SH: red-gry-grn (wash red)	BKC 3381 (-1450)	Oil Gravity: 30	
	•	Dol: tan-brn, f-mxln, gd vug por, gsto, sat str, sir odor	Arbuckle 3388 (-145	()	
	•	Dol: tan-brn, mxin (rhombic), gd inxin & vug por, gsfo, sat stn, str odor			
		Dol: as above w/some tight-barren			
	•	Dol: as above w/assoc grn-turq Sh			
	٠	Dol: as above (sucrosic texture w/rhombic)			
	•	Thin lense of Sst: dr, med-ccarse, friable, poorly sid, gsb, str odor w/abund Dol: as above w/pink, dense Dol			
	0	Dolomitic LS: wh, mostly dense, rare sst, minor sto, sl stn, fr odor, mostly barren			
3450		Dol LS: wh-tan, dense, mostly barren, ssto, fr odor			
		Dol LS: wh-tan, dense, mostly barren, ssto, fr odor		-	
		Dol LS: wh-tan, dense, mostly barren, ssio, fr odor	N		
3500		Dol LS: wh-tan, dense, mostly barren, ssio, fr odor			
			5-1/2" casing (15.5#) set	@ 3498	
		DTD @ 2500			
		RTD @ 3500'			
		LTD @ 3500'			
			5		
				N	

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

Thomas E. Wright, Chairman Ward Loyd, Commissioner



phone: 316-337-6200 fax: 316-337-6211 http://kcc.ks.gov/

Corporation Commission

Sam Brownback, Governor

May 09, 2011

LEROY HOLT Russell Oil, Inc. PO BOX 8050 EDMOND, OK 73083

Re: ACO1 API 15-167-23684-00-00 Keil A 2-32 NE/4 Sec.32-15S-14W Russell 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, LEROY HOLT