Original Comp. Date: _

Deepening

Plug Back

Commingled

SWD

ENHR GSW

Recompletion Date

Spud Date or

Dual Completion

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

1335594

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

__ Feet

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	Sec TwpS. R East West
Address 2:	Feet from North / South Line of Section Feet from East / West Line of Section Footages Calculated from Nearest Outside Section Corner: NE NW SE SW
CONTRACTOR: License # Name: Wellsite Geologist:	GPS Location: Lat:
Purchaser:	Lease Name: Well #: Field Name: Producing Formation: Elevation: Ground: Kelly Bushing:
OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	Total Vertical Depth: Plug Back Total Depth: Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	w/sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

 Chloride content: ppm Fluid volume: bbls
 Dewatering method used:
 Location of fluid disposal if hauled offsite:
 Operator Name:
 Lease Name: License #:

__ Sec. _____ Twp.____S. R. _____ East _ West Quarter County: Permit #: _____

AFFIDAVIT

Original Total Depth: _

Conv. to GSW Conv. to Producer

Completion Date or

Recompletion Date

Permit #: _____

Permit #: _____ Permit #: _____

Re-perf. Conv. to ENHR Conv. to SWD

Permit #:

Permit #: ___

Date Reached TD

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	1335594			
Operator Name:	Lease Name: Well #:			
Sec TwpS. R East _ West	County:			
INCTRUCTIONS. Changing and the set of formations and tracted D	netail all acres. Depart all final acress of drill stame tasts giving interval tested, time task			

Page Two

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geolog	ical Survey	Yes No	Name	9		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
			RECORD Ner		tion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQU	EEZE RECORD)		

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

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

No

🗌 No

No

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					/		ement Squeeze Record I of Material Used)	Depth	
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed Production, SWD or ENH			٦.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DIODOOIT		240			METHOD		TION			N (A
DISPOSITI	d 🗌	Used on Lease		Open Hole	Perf.	OF COMPLE	Comp.	Commingled (Submit ACO-4)	PRODUCTION INTEF	
(If vented, Su	ıbmit ACC	D-18.)		Other (Specify)						

Form	ACO1 - Well Completion		
Operator	Sandlin Oil Corporation		
Well Name	PAUL MCRAE 1		
Doc ID	1335594		

Tops

Name	Тор	Datum
ANHYDRITE	1430	+736
ТОРЕКА	3156	-990
HEEBNER SHALE	3388	-1222
TORONTO	3409	-1243
LKC	3437	-1271
ВКС	3658	-1492
ARBUCKLE	3692	-1526
RTD	3750	-1584
LTD	3752	-1586

Form	ACO1 - Well Completion		
Operator	Sandlin Oil Corporation		
Well Name	PAUL MCRAE 1		
Doc ID	1335594		

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	213	80/20 POS	2%GEL 3%CC

Company: Address:	OPERATOR SANDLIN OIL CORPORATION 621 17TH ST, STE. 2055 DENVER, CO 80293-2001	N		
Contact Geologist: Contact Phone Nbr: Well Name: Location: API: Pool: State:		S-R18W Field: Country:	BEMIS-SHUTTS USA	
	COR			

CONFORATO

	Scale 1:240 Imperial		
Well Name:	PAUL MCRAE # 1		
Surface Location:	NW NE SE NW, SEC.27-T12S-R18W		
Bottom Location:			
API:	15-051-26,862-00-00		
License Number:	6677		
Spud Date:		Time:	6:00 PM
	ELLIS COUNTY		
Drilling Completed:		Time:	2:07 AM
Surface Coordinates:	1555' FNL & 2300' FWL		
Bottom Hole Coordinates:			
	2160.00ft		
	2166.00ft	_	
Logged Interval:	3000.00ft	To:	3752.00ft
Total Depth:	3750.00ft		
	ARBUCKLE		
Drilling Fluid Type:	CHEMICAL/FRESH WATER GEL		

SURFACE CO-ORDINATES

Well Type:	Vertical
Longitude:	-99.3080127
Latitude:	38.9826829
N/S Co-ord:	1555' FNL
E/W Co-ord:	2300' FWL

Company: Address:	SOLUTIONS CONSULTING, INC. 108 W 35TH HAYS, KS 67601		
Phone Nbr: Logged By:	(785) 639-1337 GEOLOGIST	Name:	HERB DEINES
	CONTRACTOR		
Contractor: Rig #: Rig Type: Spud Date: TD Date: Rig Release:	ROYAL DRILLING, INC. 1 MUD ROTARY 2/8/2017 2/14/2017	Time: Time: Time:	6:00 PM 2:07 AM 11:45 PM

K.B. Elevation: 2166.00ft K.B. to Ground: 6.00ft Ground Elevation: 2160.00ft

NOTES

RECOMMENDATION TO PLUG AND ABANDON WELL BASED ON LOW STRUCTURE AND NEGATIVE RESULTS OF TWO DSTS.

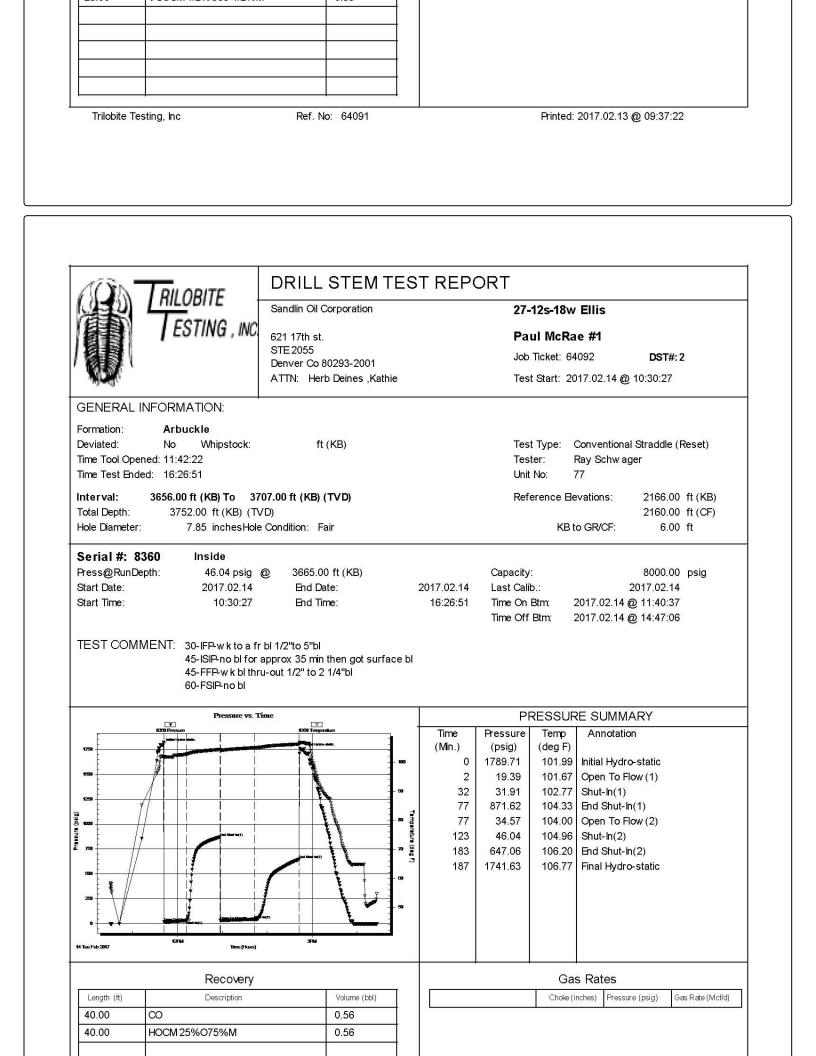
OPEN HOLE LOGGING BY ELI: DUAL INDUCTION LOG, COMPENSATED DENSITY/NEUTRON LOG AND MICRO LOG.

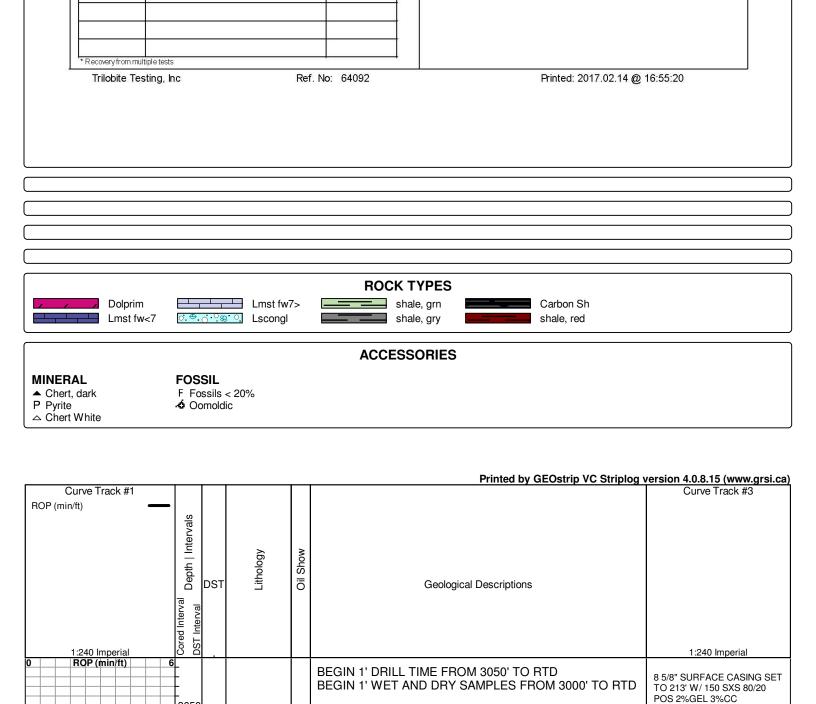
DRILL STEM TESTING BY TRILOBITE TESTING, INC: ONE (1) CONVENTIONAL TEST AND ONE (1) STRADDLE TEST.

	UL MCRAE #1	WERTH ETAL #1	JOY # 1	
	N NE SE NW	SW SW SW SE	SW NW SE NE	
SE	C.27-12S-18W	SEC.22-12-18W	SEC.27-12-18W	
21	60'GL 2166'KB	KB 2165'	KB 2151'	
FORMATION	LOG TOPS	LOG TOPS	LOG TOPS	
Anhydrite	1430 +736	+ 743	+ 743	
B-Anhydrite	1465 +701	+ 708	+707	
Topeka	3156 -990	-973	-986	
Heebner Sh.	3388-1222	-1204	-1215	
Toronto	3409-1243	-1226		
LKC	3437-1271	-1249	-1263	
ВКС	3658-1492	-1479	-1499	
Arbuckle	3692-1526	-1508	-1519	
RTD	3750-1584	-1602	-1574	
	SUMMA	ARY OF DAILY ACTIVITY		
2-08-17 RI	J, set 8 5/8" surfac	e casing to 213' w/ 150 s	sxs 80/20 POS 2%Gel	
39	6CC, plug down 1:0	0 AM 2-09-17, slope 1 d	egree	
2-09-16 21	3', WOC, rig maint	enance		
2-10-17 12	40', drilling			
2-11-17 24	75', drilling, displa	ce 3000'		
2-12-17 31	46', CFS 3470', sho	ort trip, CCH, TOWB, DST	# 1 3414'-3470' "C"	
zo	ne LKC, slope ½ de	gree		
2-13-17 34	70', finish DST #1,	TIWB, lost returns @ 35	51' and restored	
re	turns with LCM, dr	illing, CFS 3696'		
2-14-17 37	'50', RTD 2:07 AM	at 3750', CCH, TOWB, log	gs, straddle DST # 2	

3656' to 3707' Arbuckle, decision to P&	707' Arbuckle, decision to P&A
-----------------------------------------	--------------------------------

AOD TRI	LOBITE	DRILL STEM T	EST RE	EPO	RT				
通じて	ESTING , INC.	Sandlin Oil Corporation			27-	12s-18w	Ellis		
翻	ESTING, INC	621 17th st.			Pa	ul McRa	e #1		
福書		STE 2055 Denver Co 80293-2001			Job	Ticket: 64	091	DST#:1	
NOW.		ATTN: Herb Deines ,Kathie	E.		Tes	t Start: 20	17.02.13 @	02:55:14	
ENERAL INFOR	MATION:								
	CA-C				<u> </u>				124 MA 147
Deviated: No Time Tool Opened: 04	222 Designed 123 and 125 Designed Strategy and A	ft (KB)			Tes Tes		Conventiona Ray Schwa	al Bottom Hol ger	e (Initial)
Time Test Ended: 09	:19:08				Unit	No: 7	77		
	.00 ft (KB) To 34	70.00 ft (KB) (TVD)			Ref	erence Be	vations:	2166.00 2160.00	
Hole Diameter:		Condition: Fair				KB t	o GR/CF:	6.00	
erial #: 8360	Inside								
ress@RunDepth:	26.85 psig	@ 3416.00 ft (KB)			Capacity			8000.00	psig
art Date:	2017.02.13	End Date:	2017.02 09:19		Last Cali		047 00 42	2017.02.13	
tart Time:	02:55:14	End Time:	09.18	0.08	Time On Time Off			@ 04:39:09 @ 07:46:53	
EST COMMENT	45-IFP-W K bi thru 45-ISIP-no bi 45-FFP-w k surfa 45-FSIP-no bi								
7	Pressure vs. T	ime 5300 Tempenkre					E SUMM		
1750		accordingenate	••• (Min	10	Pressure (psig)	Temp (deg F)	Annotati	on	
E00			10000		1645.37	94.42	Initial Hydr		
			90	2 47	12.92 17.75		Open To F Shut-In(1)		
			80	93	696.19	96.91	10.10		
				94	17.22		Open To F		
70				139 185	26.85 589.05	97.95 99.44			
500			60 J		1631.21	99.44 100.19			
		/ ¥ ‡	50				-		
250			-						
			40						
	16								
0	6444 Time (Hours)	944							
0 UMINFeb 2007	Recovery	944				Ga	s Rates		
search (ft)		view Volume (bbl)				Gas Choke (ii		ure (psig) Ga	s Rate (Mcf/





ANHYDRITE TOP 1430+736 ANHYDRITE BASE 1465+701

3050

3060

3070

3080

3090

3100

3110

3120

Lime, It brn-med gray, fnxIn, slightly fossiliferous

CORRECTED DRILL TIME TO

LOG BY 2'

Shale, It-med gray, soft mud-soft blocky

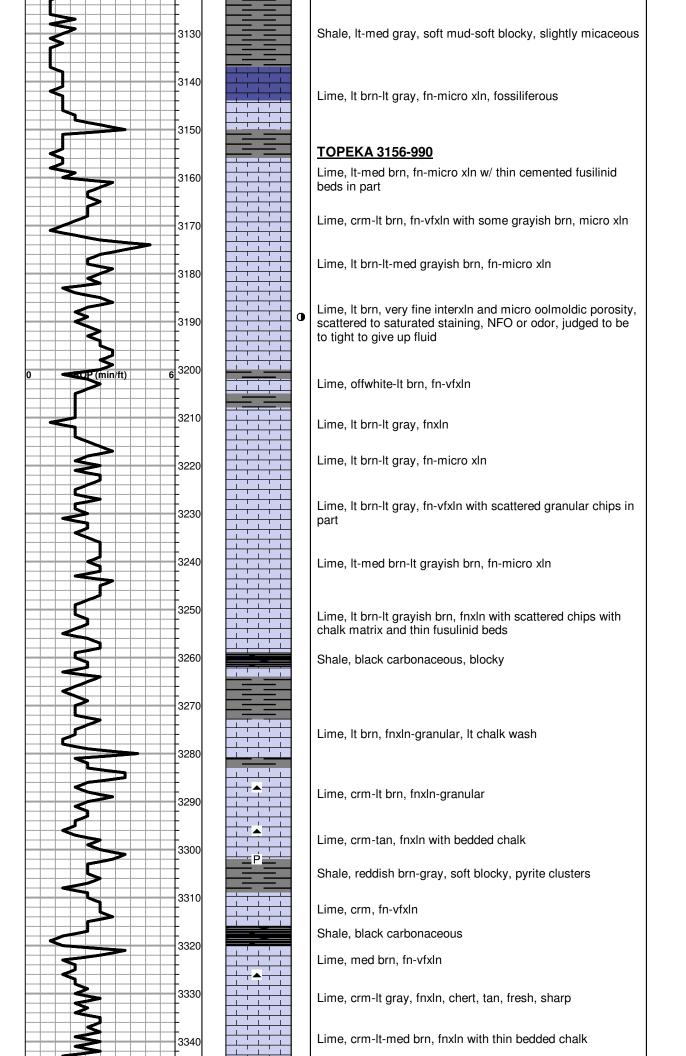
Lime, It-med brn, fnxln, fossiliferous-fusulinids

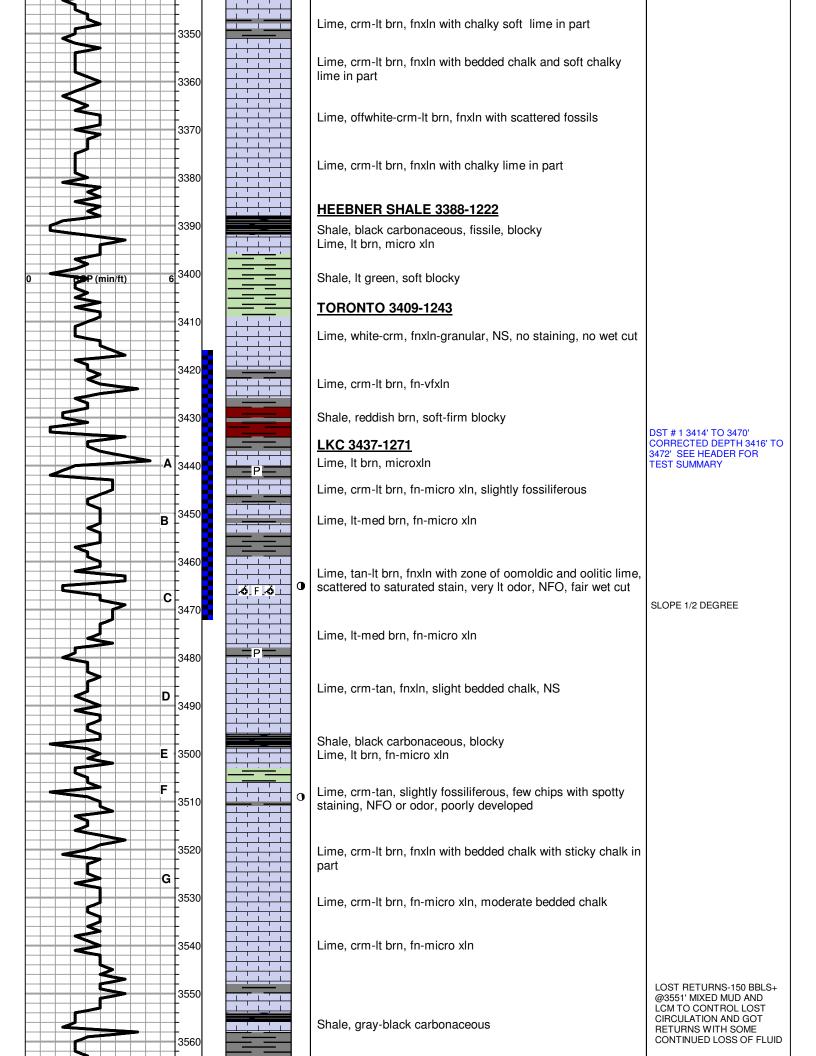
Lime, it-med brn, fnxin, fossiliterous-fusulinids

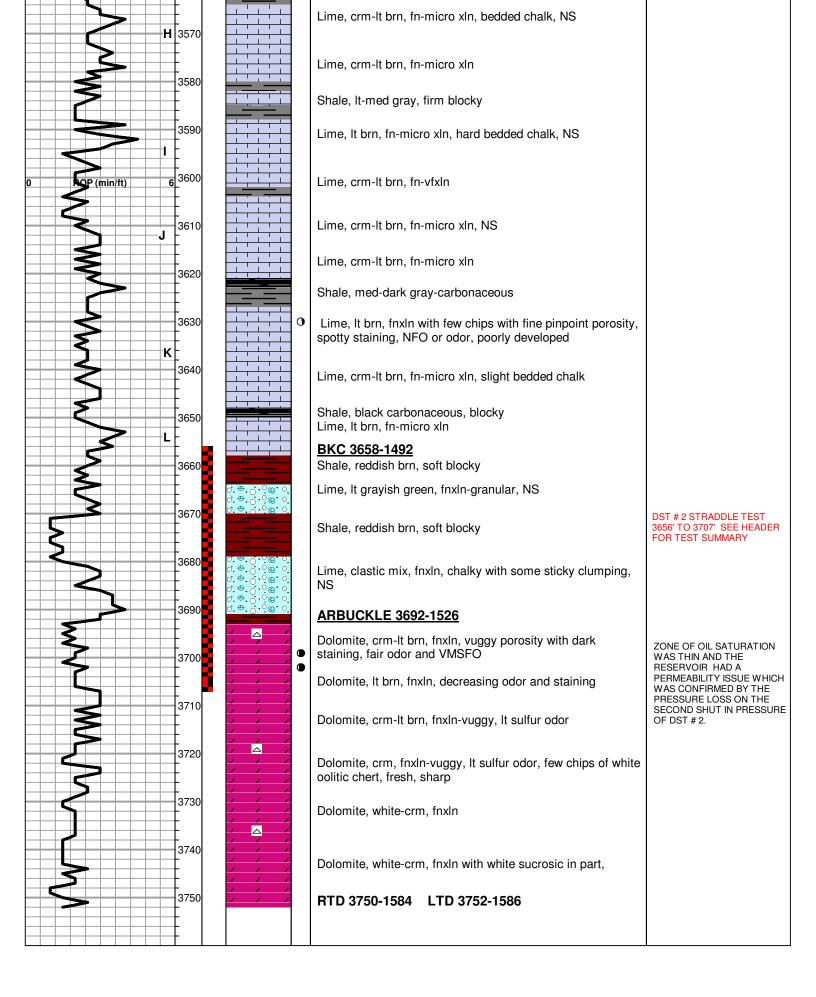
Shale, It gray, soft sticky mud to soft blocky

Lime, It brn-It grayish brn, fnxln, fossiliferous

Shale, It-med gray, soft blocky with It gray sticky clumping in part







	DRILL STEM TES	TREP	ORT				
	Sandlin Oil Corporation		27-	12s-18w	Ellis		
ESTING , INC	621 17th st.		Pa	ul McRa	ie #1		
	STE 2055 Denver Co 80293-2001		Job	Ticket: 64	1091	DST#:	1
	ATTN: Herb Deines ,Kathie		Test	t Start: 20)17.02.13 @	02:55:14	
GENERAL INFORMATION:							
Formation:LKC A-CDeviated:NoWhipstock:Time Tool Opened:04:40:24Time Test Ended:09:19:08	ft (KB)		Tes Tes Unit	ter: I	Conventiona Ray Schwaę 77		ole (Initial)
Interval:3414.00 ft (KB) To34Total Depth:3470.00 ft (KB) (TVHole Diameter:7.85 inches Hole			Refe	erence Ee KB t	evations: to GR/CF:	2160.00) ft (KB)) ft (CF)) ft
Serial #: 8360InsidePress@RunDepth:26.85 psigStart Date:2017.02.13Start Time:02:55:14TEST COMMENT:45-IFP-w k bl thru 45-ISIP-no bl 45-FFP-w k surfa	End Date: End Time: -out 1/2"to 2"bl	2017.02.13 09:19:08	Capacity Last Calil Time On Time Off	o.: Btm: 2	2017.02.13 (2017.02.13 (-	3
40-FF-W K SUITA 45-FSIP-no bl Pressure vs. T 800 Hosare			Pf	RESSUF	RE SUMM	ARY	
739		Time (Min.) 0 2 47	Pressure (psig) 1645.37 12.92 17.75	Temp (deg F) 94.42 93.69 95.06	Open To F Shut-In(1)	o-static low (1)	
		93 94	696.19 17.22	96.91 96.72	End Shut-li Open To F		
		139	26.85	97.95	Shut-In(2)		
300 200 200 304 304 304 304 100 100 100 100 100 100 100 100 100 1		185 188	589.05 1631.21	99.44 100.19	End Shut-li Final Hydro		
Recovery			ļļ	Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i		re (psig)	Gas Rate (Mcf/d)
25.00 VSOCM 1/2%O99 1/2%M	0.35						
Trilobite Testing, Inc	Ref. No: 64091				2017.02.13		

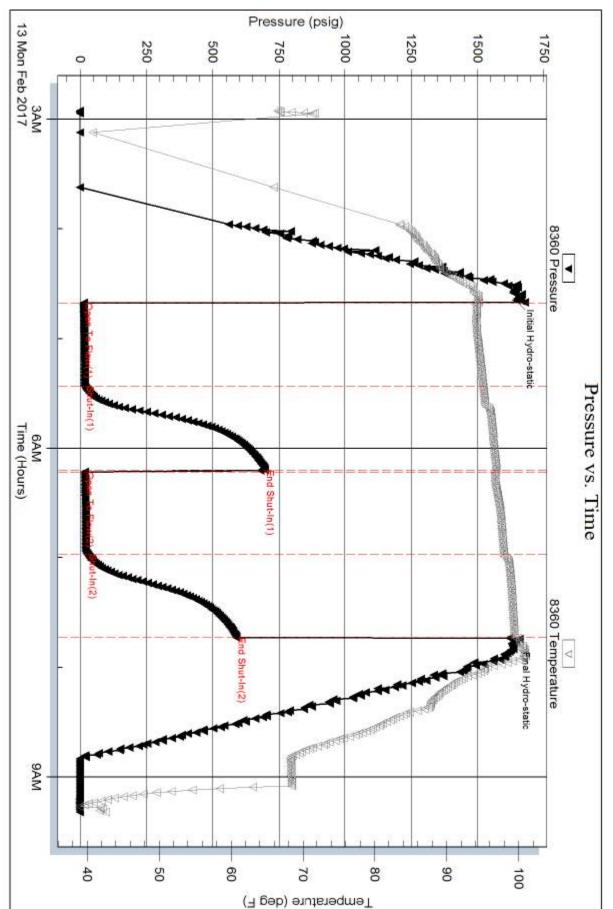
	DRILL STEM TES	T REP	ORT			
RILOBITE	Sandlin Oil Corporation		27-12s-18	w Ellis		
ESTING , INC	621 17th st.		Paul McF	Rae #1		
	STE 2055 Denver Co 80293-2001		Job Ticket:	64091	DST#:	1
	ATTN: Herb Deines ,Kathie		Test Start:	2017.02.13 (@ 02:55:14	
GENERAL INFORMATION:						
Formation:LKC A-CDeviated:NoWhipstock:Time Tool Opened:04:40:24Time Test Ended:09:19:08	ft (KB)		Test Type: Tester: Unit No:	Convention Ray Schwa 77		ole (Initial)
Interval:3414.00 ft (KB) To34Total Depth:3470.00 ft (KB) (TVHole Diameter:7.85 inches Hole	′D)		Reference I	∃evations: B to GR/CF:) ft (KB)) ft (CF)) ft
Serial #: 6751OutsidePress@RunDepth:psigStart Date:2017.02.13Start Time:02:55:12	 3416.00 ft (KB) End Date: End Time: 	2017.02.13 09:19:06	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 2017.02.13	
TEST COMMENT: 45-IFP-w k bl thru 45-ISIP-no bl 45-FFP-w k surfa 45-FSIP-no bl	ce bl thru-out	1	PRESSI			
6551 Aressure	6751 Temperature	Time	Pressure Temp	Annotat		
City of the second seco			(psig) (deg F	.)		
Recovery			G	as Rates		
Length (ft) Description	Volume (bbl)		Chok	e (inches) Press	sure (psig)	Gas Rate (Mcf/d)
25.00 V SOCM 1/2%O99 1/2%N	0.35					
	Ref. No: 64091			d: 2017.02.1		

10 k -		DRI	LL STEM TEST REPOR	Т		FLUID S	UMMAR
14 D	TRILOBITE TESTING , INC	Sandlir	n Oil Corporation	27-12s-18	w Ellis		
	ESTING , INC	621 17	th st.	Paul McR	lae #1		
		STE 20		Job Ticket: (64091	DST#:1	
			r Co 80293-2001 Herb Deines ,Kathie	Test Start: 2	2017.02.13 @ ()2:55:14	
						2.00.11	
	shion Information						
• •	el Chem		Cushion Type:	£1.	Oil API:		deg API
ud Weight: scosity:	9.00 lb/gal		Cushion Length: Cushion Volume:	ft bbl	Water Salinity		ppm
ater Loss:	53.00 sec/qt 7.95 in³		Gas Cushion Type:	IDDI			
esistivity:	ohm.m		Gas Cushion Pressure:	psig			
alinity:	4500.00 ppm			polg			
ter Cake:	1.00 inches						
ecovery In	formation						
			Recovery Table		_		
	Len		Description	Volume bbl			
		25.00	VSOCM 1/2%O99 1/2%M	0.35	1		
	Total Length:	25	↔ .00 ft Total Volume: 0.351 bbl	•	-		
		noles:0	Num Gas Bombs: 0	Serial #	t:		
	Num Fluid San		Num Gas Bombs: 0 Laboratory Location:	Serial #	t :		
	Num Fluid San Laboratory Na	ame:	Num Gas Bombs: 0 Laboratory Location:	Serial #	ŧ:		
	Num Fluid San	ame:		Serial #	ŧ.		
	Num Fluid San Laboratory Na	ame:		Serial #	ŧ		
	Num Fluid San Laboratory Na	ame:		Serial #	<u>t:</u>		
	Num Fluid San Laboratory Na	ame:		Serial ≴	<i>ŧ</i> :		
	Num Fluid San Laboratory Na	ame:		Serial #	ŧ		
	Num Fluid San Laboratory Na	ame:		Serial /	ŧ		
	Num Fluid San Laboratory Na	ame:		Serial #	<i>t</i> :		
	Num Fluid San Laboratory Na	ame:		Serial #	ŧ		
	Num Fluid San Laboratory Na	ame:		Serial ≴	<i>t</i> :		
	Num Fluid San Laboratory Na	ame:		Serial #	£.		
	Num Fluid San Laboratory Na	ame:		Serial #	<i>t</i> :		
	Num Fluid San Laboratory Na	ame:		Serial #	<i>k</i> :		
	Num Fluid San Laboratory Na	ame:		Serial #	<i>t</i> :		
	Num Fluid San Laboratory Na	ame:		Serial #	*:		
	Num Fluid San Laboratory Na	ame:		Serial #	<i>t</i> :		
	Num Fluid San Laboratory Na	ame:		Serial #	*:		
	Num Fluid San Laboratory Na	ame:		Serial #	<i>t</i> :		
	Num Fluid San Laboratory Na	ame:		Serial #	*:		
	Num Fluid San Laboratory Na	ame:		Serial #	£:		
	Num Fluid San Laboratory Na	ame:		Serial #	<i>t</i> :		

Printed: 2017.02.13 @ 09:37:22

Ref. No: 64091

Trilobite Testing, Inc



Paul McRae #1

Serial #: 8360

Inside

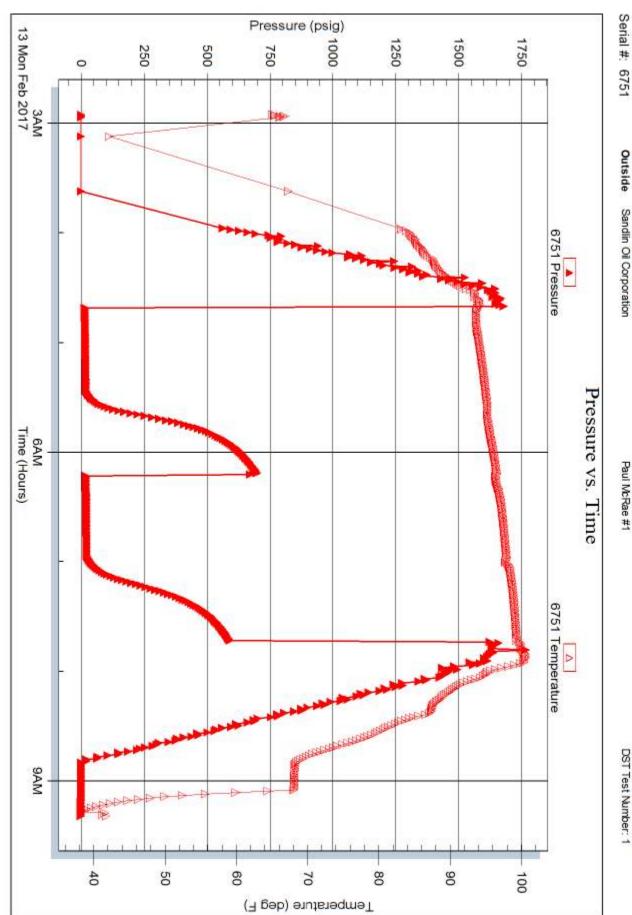
Sandlin Oil Corporation

DST Test Number: 1

Printed: 2017.02.13 @ 09:37:22

Ref. No: 64091

Trilobite Testing, Inc



DST Test Number: 1

Serial #: 6751 Outside Sandlin Oil Corporation

RILOBITE	DRILL STEM TES	ST REP	ORT				
	Sandlin Oil Corporation		27-	12s-18w	Ellis		
ESTING , INC	621 17th st.		Ра	ul McRa	ie #1		
	STE 2055		Job	Ticket: 64	1092	DST#:2	
N.S.	Denver Co 80293-2001 ATTN: Herb Deines ,Kathie		Tes	t Start: 20)17.02.14 @	10:30:27	
Formation:ArbuckleDeviated:NoWhipstock:Time Tool Opened:11:42:22Time Test Ended:16:26:51	ft (KB)		Tes	ter: I	Conventional Ray Schwac 77	-	æset)
Interval: 3656.00 ft (KB) To 37 Total Depth: 3752.00 ft (KB) (TV	/D)		Ref	erence Ee		2166.00 2160.00	ft (CF)
Hole Diameter: 7.85 inches Hole	Condition: Fair			KB t	io GR/CF:	6.00	ft
Serial #: 8360 Inside							
Press@RunDepth: 46.04 psig		0047.0044	Capacity			8000.00	psig
Start Date: 2017.02.14 Start Time: 10:30:27	End Date: End Time:	2017.02.14 16:26:51	Last Cali Time On		2017.02.14 (2017.02.14 @ 11:40:37	
			Time Off		2017.02.14 (-	
45-ISIP-no bl for 45-FFP-w k bl thr 60-FSIP-no bl	u-out 1/2" to 2 1/4"bl						
45-FFP-w k bl thr 60-FSIP-no bl Pressure vs. T	ime		PI	RESSUF	RE SUMM	ARY	
45-FFP-w k bi thr 60-FSIP-no bi Pressure vs. Ti 500 Pressure		Time (Min.)	Pressure	Temp	RE SUMM/ Annotatio		
45-FFP-w k bl thr 60-FSIP-no bl Pressure vs. T	ime	Time (Min.) 0			Annotatio	n	
45-FFP-w k bl thr 60-FSIP-no bl Pressure vs. T 530 Pressure	ITTIC 530) Tempenture 1100 - 100	(Min.) 0 2	Pressure (psig) 1789.71 19.39	Temp (deg F) 101.99 101.67	Annotatio Initial Hydro Open To Fl	on o-static	
45-FFP-w k bi thr 60-FSIP-no bi Pressure vs. Tr 800 Heave	ime 530 Tempenture	(Min.) 0 2 32	Pressure (psig) 1789.71 19.39 31.91	Temp (deg F) 101.99 101.67 102.77	Annotatio Initial Hydro Open To Fl Shut-In(1)	on o-static ow (1)	
45-FFP-w k bi thr 60-FSIP-no bi	ITRC 530 Tempentire 100 90	(Min.) 0 2 32 77	Pressure (psig) 1789.71 19.39	Temp (deg F) 101.99 101.67 102.77 104.33	Annotatio Initial Hydro Open To Fl	on o-static ow (1) n(1)	
45-FFP-w k bi thr 60-FSIP-no bi	ITRC 530 Tempentire 100 90	(Min.) 0 2 32 77	Pressure (psig) 1789.71 19.39 31.91 871.62 34.57 46.04	Temp (deg F) 101.99 101.67 102.77 104.33 104.00 104.96	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2)	on o-static ow (1) n(1) ow (2)	
45-FFP-w k bi thr 60-FSIP-no bi	ITRC 530 Tempentire 100 90	(Min.) 0 2 32 77 77	Pressure (psig) 1789.71 19.39 31.91 871.62 34.57	Temp (deg F) 101.99 101.67 102.77 104.33 104.00	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl	on o-static ow (1) n(1) ow (2) n(2)	
45-FFP-w k bi thr 60-FSIP-no bi	ime 500 Temponare 90 90 90 90 90 90 90 90 90 90	(Min.) 0 2 32 77 77 123 183	Pressure (psig) 1789.71 19.39 31.91 871.62 34.57 46.04 647.06	Temp (deg F) 101.99 101.67 102.77 104.33 104.00 104.96 106.20 106.77	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	on o-static ow (1) n(1) ow (2) n(2)	
45-FFP-w k bl thr 60-FSIP-no bl	IDLE 530 Tempenture 500 temp	(Min.) 0 2 32 77 77 123 183	Pressure (psig) 1789.71 19.39 31.91 871.62 34.57 46.04 647.06	Temp (deg F) 101.99 101.67 102.77 104.33 104.00 104.96 106.20 106.77	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static ow (1) n(1) ow (2) n(2) o-static	s Rate (Mct/d)
45-FFP-w k bl thr 60-FSIP-no bl	ime S00 Temponare 100 dependence 100 depend	(Min.) 0 2 32 77 77 123 183	Pressure (psig) 1789.71 19.39 31.91 871.62 34.57 46.04 647.06	Temp (deg F) 101.99 101.67 102.77 104.33 104.00 104.96 106.20 106.77	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static ow (1) n(1) ow (2) n(2) o-static	s Rate (Mcf/d)
45-FFP-w k bl thr 60-FSIP-no bl	IDLE 530 Tempenture 500 temp	(Min.) 0 2 32 77 77 123 183	Pressure (psig) 1789.71 19.39 31.91 871.62 34.57 46.04 647.06	Temp (deg F) 101.99 101.67 102.77 104.33 104.00 104.96 106.20 106.77	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static ow (1) n(1) ow (2) n(2) o-static	s Rate (Mcf/d)
45-FFP-w k bl thr 60-FSIP-no bl	ime S00 Temponare 100 dependence 100 depend	(Min.) 0 2 32 77 77 123 183	Pressure (psig) 1789.71 19.39 31.91 871.62 34.57 46.04 647.06	Temp (deg F) 101.99 101.67 102.77 104.33 104.00 104.96 106.20 106.77	Annotatio Initial Hydro Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	on o-static ow (1) n(1) ow (2) n(2) o-static	s Rate (Mcf/d)
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		DRILL STEM TES	ST REP	ORT		
「注意」「注意」で	LOBITE ESTING , INC	Sandlin Oil Corporation		27-12s-18w	Ellis	
	ESTING, INC	621 17th st.		Paul McRa	ne #1	
		STE 2055 Denver Co 80293-2001		Job Ticket: 64	4092	DST#:2
		ATTN: Herb Deines ,Kathie		Test Start: 20	017.02.14 @ 10):30:27
GENERAL INFOR	MATION:					
Formation:ArDeviated:NoTime Tool Opened:11Time Test Ended:16	:42:22	ft (KB)		Tester:	Conventional S Ray Schw ager 77	traddle (Reset)
	.00 ft (KB) To 37 3752.00 ft (KB) (T\ 7.85 inchesHole			Reference Be		2166.00 ft (KB) 2160.00 ft (CF) 6.00 ft
Serial #: 6751 Press@RunDepth: Start Date: Start Time:	Outside psig 2017.02.14 10:30:35	@ 3665.00 ft (KB) End Date: End Time:	2017.02.14 16:26:44	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 17.02.14
	45-FFP-w k bl thr 60-FSIP-no bl		" 	PRESSUF	RE SUMMAF	<u></u>
1759 1759 1759 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599 1599	Save	GTM Repender	Time (Min.)	Pressure Temp (psig) (deg F)	Annotation	
	Recovery			Ga	s Rates	
Length (ft)	Description	Volume (bbl)		Choke (i	inches) Pressure (psig) Gas Rate (Mcf/d)
40.00 CO 40.00 HOCN	/125%O75%M	0.56				
* Recovery from multiple tests	•					
Trilobite Testing, Ir		Ref. No: 64092	-	Printed:	2017.02.14 @	16.55.20

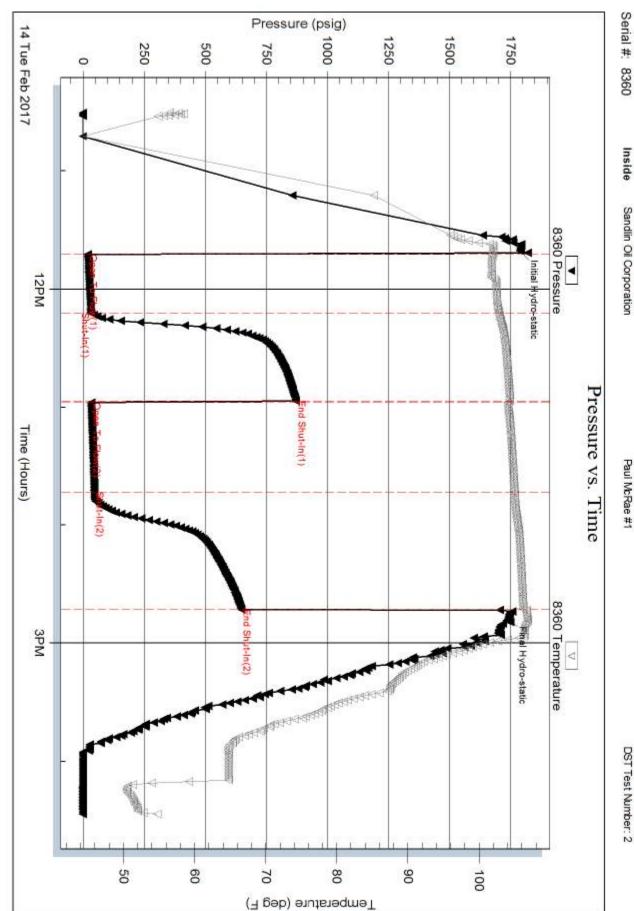
Image: String in the string	5 Co 80293-2001 Herb Deines ,Kathie ft (KB) B) (TVD) Fair			Rae #1		:2
STE 205 Denver ATTN: SENERAL INFORMATION: ormation: Arbuckle weviated: No Whipstock: ime Tool Opened: 11:42:22 ime Test Ended: 16:26:51 hterval: 3656.00 ft (KB) To 3707.00 ft (K total Depth: 3752.00 ft (KB) (TVD) kole Diameter: 7.85 inchesHole Condition for ial #: 6769 Below (Straddle) ress@RunDepth: psig @ 372 btart Date: 2017.02.14 En totart Time: 10:30:21 En TEST COMMENT: 30-IFP-w k to a fr bl 1/2" to 5 45-ISIP-no bl for approx 35 45-FFP-w k bl thru-out 1/2" 60-FSIP-no bl for approx 35 45-FFP-w k bl thru-out 1/2" 60-FSIP-no bl mestart Time: 10:30:21 En Tesser vs. Time Tesser vs. Time	5 Co 80293-2001 Herb Deines ,Kathie ft (KB) B) (TVD) Fair		Job Ticket: Test Start: Test Type: Tester:	64092 2017.02.14 @ Convention	@ 10:30:27	:2
Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver ATTN: Denver	Со 80293-2001 Herb Deines ,Kathie ft (КВ) B) (ТVD) Fair		Test Start: Test Type: Tester:	2017.02.14 (Convention	@ 10:30:27	:2
GENERAL INFORMATION: formation: Arbuckle beviated: No Whipstock: ime Tool Opened: 11:42:22 ime Test Ended: 16:26:51 therval: 3656.00 ft (KB) To 3707.00 ft (K fotal Depth: 3752.00 ft (KB) (TVD) bloe Diameter: 7.85 inchesHole Condition Gerial #: 6769 Below (Straddle) thess@RunDepth: psig @ 372 that Date: 2017.02.14 En that Time: 10:30:21 En TEST COMMENT: 30-IFP-w k to a fr bl 1/2"to 5 45-ISIP-no bl for approx 35 45-FFP-w k bl thru-out 1/2" 60-FSIP-no bl Tessure vs. Time Too Too Too Too Too Too Too To	ft (КВ) В) (ТVD) Fair		Test Type: Tester:	Convention		
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veviated: No Whipstock: ime Tool Opened: 11:42:22 ime Test Ended: 16:26:51 hterval: 3656.00 ft (KB) To 3707.00 ft (K iotal Depth: 3752.00 ft (KB) (TVD) lole Diameter: 7.85 inchesHole Condition Ferial #: 6769 Below (Straddle) ress@RunDepth: psig @ 372 2017.02.14 En iotart Time: 10:30:21 En TEST COMMENT: 30-IFP-w k to a fr bl 1/2"to 5 45-ISIP-no bl for approx 35 45-FFP-w k bl thru-out 1/2" 60-FSIP-no bl Pressure vs. Time Too Too Too Too Too Too Too To	B) (TVD) Fair		Tester:			
iotal Depth: 3752.00 ft (KB) (TVD) lole Diameter: 7.85 inches Hole Condition Serial #: 6769 Below (Straddle) ress@RunDepth: psig @ 372 istart Date: 2017.02.14 En istart Time: 10:30:21 En TEST COMMENT: 30-IFP-w k to a fr bl 1/2"to 5 45-ISIP-no bl for approx 35 45-FFP-w k bl thru-out 1/2" 60-FSIP-no bl Pressure vs. Time TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE TODITIENTE	Fair			77		(Reset)
ress@RunDepth: psig @ 372 start Date: 2017.02.14 En start Time: 10:30:21 En TEST COMMENT: 30-IFP-w k to a fr bl 1/2"to 5 45-ISIP-no bl for approx 35 45-FFP-w k bl thru-out 1/2" 60-FSIP-no bl Pressure vs. Time Trading of the sure Trading of the sure Tr				Elevations: B to GR/CF:	2160.0	0 ft (KB) 0 ft (CF) 0 ft
45-ISIP-no bl for approx 35 45-FFP-w k bl thru-out 1/2" 60-FSIP-no bl	0.00 ft (KB) l Date: l Time:	2017.02.14 16:23:00	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.0 2017.02.1	
Trop Pressure orrest Trop Pressure orrest	min then got surface b	bl	DDESS			
ERECOVERY	©	Time	PRESSI Pressure Temp			
	- 195 - 90 - 95 - 95 - 95 - 95 - 95 - 95 - 95 - 95	(Min.) Temperature (deg F)	(psig) (deg l	F)		
Length (ft) Description	Recovery		Gas Rates			
	Volume (bbl)		Chol	ke (inches) Press	sure (psig)	Gas Rate (Mcf/d)
40.00 CO 40.00 HOCM 25% O75% M	0.56					
Recovery from multiple tests						

	MMAF
STE 2055 Denver Co 80293-2001 ATTN: Herb Deines ,Kathie Job Ticket: 64092 DST#: 2 Mud and Cushion Information Test Start: 2017.02.14 @ 10:30:27 Mud and Cushion Information Mud Type: Gel Chem Cushion Type: Oil API: 23.4 Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 23.4 Viscosity: 58.00 sec/qt Cushion Volume: bbl 30.4 23.4 Water Loss: 7.93 in ³ Gas Cushion Volume: bbl 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 30.4 <th></th>	
STE 2055 Denver Co 80293-2001 ATTN: Herb Deines ,Kathie Job Ticket: 64092 DST#: 2 Mud and Cushion Information Test Start: 2017.02.14 @ 10:30:27 Mud and Cushion Information Oil API: 23.0 Wud Yope: Gel Chem Cushion Type: Oil API: 23.0 Wud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 1 Viscosity: 58.00 sec/qt Cushion Volume: bbl bbl Water Loss: 7.93 in ³ Gas Cushion Pressure: psig salinity: 4500.00 ppm Salinity: 4500.00 ppm Ecovery Table Ecovery Table Telestivity: 000 Inches Total Length: 80.00 ft Total Volume: 1.122 bbl Mum Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	
Deriver Co 80293-2001 ATTN: Herb Deines ,Kathie Test Start: 2017.02.14 @ 10:30:27 Mud and Cushion Information Wud Type: Gel Chem Cushion Type: Wud Weight: 9.00 lb/gal Cushion Length: ft Viscosity: 58.00 sec/qt Cushion Volume: bbl Vater Loss: 7.93 in ³ Gas Cushion Type: Resistivity: ohm.m Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 4500.00 ppm Herbore Ecovery Table Recovery Information Volume 100 inches Recovery Table Total Length Description Volume 40.00 CO 0.561 0.561 40.00 HOCM 25%O75%M 0.561 0.561 Vum Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:	
Aud and Cushion Information Aud Type: Gel Chem Cushion Type: Oil API: 23 of Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 23 of Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 23 of Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 23 of Vater Loss: 7.93 in ³ Gas Cushion Volume: bbl bbl Vater Loss: 7.93 in ³ Gas Cushion Pressure: psig Salinity: 4500.00 ppm Gas Cushion Pressure: psig Salinity: 4500.00 ppm Gas Cushion Pressure: psig Recovery Information Recovery Table Image: Comparison Comparison Audom document to bbl 40.00 CO 0.561 40.00 HOCM 25%O75%M 0.561 40.00 HOCM 25%O75%M 0.561 Mum Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #: Serial #:	
Aud Type: Gel Chem Cushion Type: Oil AP: 23 (Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: pbl Vater Loss: 7.93 in ³ Gas Cushion Volume: bbl Vater Loss: 7.93 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 4500.00 ppm Titter Cake: 1.00 inches Recovery Information Recovery Information Length Description Volume ft Description Volume bbl 40.00 CO 0.561 40.00 HOCM 25% O75% M 0.561 Total Length: 80.00 ft Total Volume: 1.122 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Aud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 1 /iscosity: 58.00 sec/qt Cushion Volume: bbl Vater Loss: 7.93 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 4500.00 ppm ilter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume bbl 40.00 CO 0.561 40.00 HOCM 25% O75% 0 0.561 Total Length: 80.00 ft Total Volume: 1.122 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Viscosity: 58.00 sec/qt Cushion Volume: bbl Vater Loss: 7.93 in ³ Gas Cushion Type: Resistivity: ohm.m Gas Cushion Pressure: psig ialinity: 4500.00 ppm ilter Cake: 1.00 inches Recovery Information Kecovery Table Image: Comparison of the term of term	deg API
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tesistivity: ohm.m Gas Cushion Pressure: psig talinity: 4500.00 ppm iliter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume bbl 40.00 CO 0.561 40.00 HOCM 25% 075% M 0.561 1.122 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
alinity: 4500.00 ppm ilter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume bbl 40.00 CO 0.561 40.00 HOCM 25% 075% M 0.561 Total Length: 80.00 ft Total Volume: 1.122 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Iter Cake: 1.00 inches Recovery Information Recovery Table Length Description Volume 40.00 CO 0.561 40.00 HOCM 25% 075% M 0.561 Total Length: 80.00 ft Total Volume: 1.122 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Recovery Information Recovery Table Length Description Volume ft 0.561 0.561 40.00 CO 0.561 40.00 HOCM 25% 075% M 0.561 Total Length: 80.00 ft Total Volume: 1.122 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location:	
Recovery Table Length Description Volume 40.00 CO 0.561 40.00 HOCM 25% 075% M 0.561 Total Length: 80.00 ft Total Volume: 1.122 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory Location:	
ftbbl40.00CO0.56140.00HOCM 25%O75%M0.561Total Length:80.00 ftTotal Volume:1.122 bblNum Fluid Samples: 0Num Gas Bombs:0Serial #:Laboratory Name:Laboratory Location:Laboratory Location:	
40.00HOCM 25% O75% M0.561Total Length:80.00 ftTotal Volume:1.122 bblNum Fluid Samples: 0Num Gas Bombs:0Serial #:Laboratory Name:Laboratory Location:	
Total Length: 80.00 ft Total Volume: 1.122 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:	
Num Fluid Samples: 0Num Gas Bombs: 0Serial #:Laboratory Name:Laboratory Location:	
Laboratory Name: Laboratory Location:	

Printed: 2017.02.14 @ 16:55:20

Ref. No: 64092



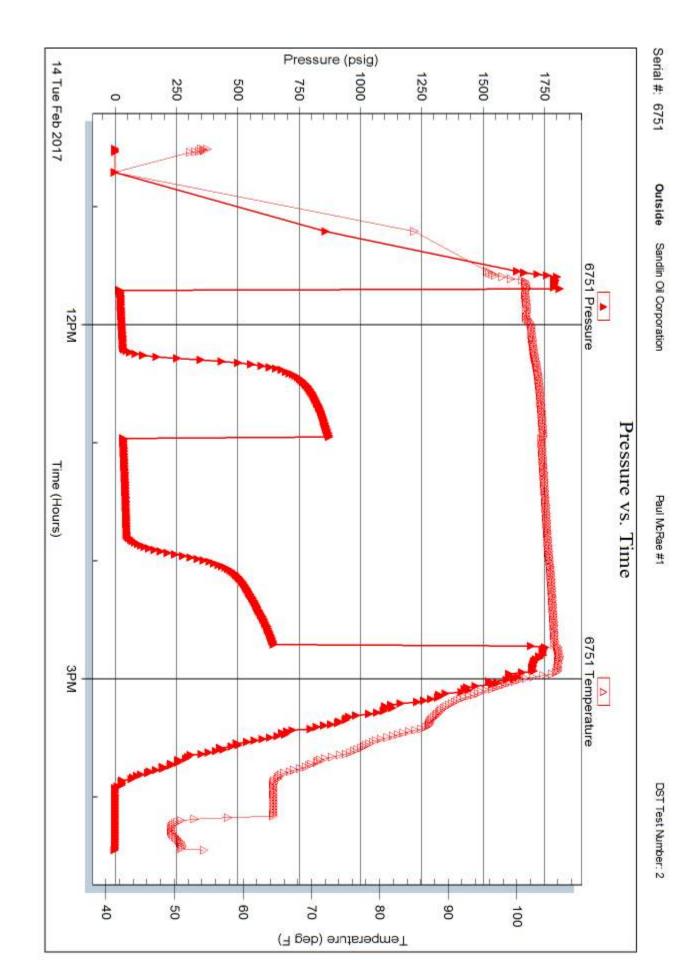


Paul McRae #1

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Ref. No: 64092

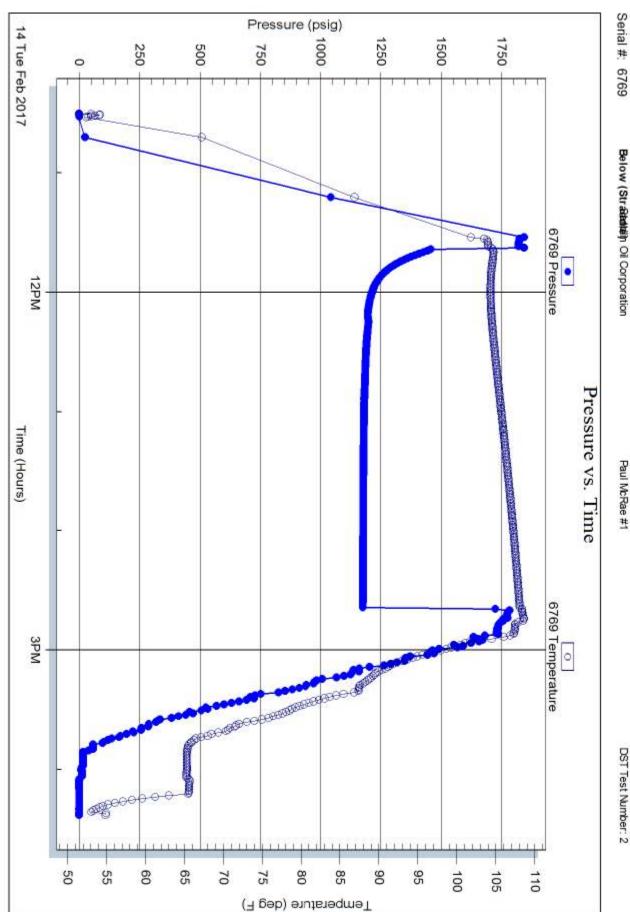
Trilobite Testing, Inc



Printed: 2017.02.14 @ 16:55:20

Ref. No: 64092

Trilobite Testing, Inc



Paul McRae #1

DST Test Number: 2

Serial #: 6769

QUALITY OILWE	ELL CEMENTING, INC.
	Tax I.D.# 20-2886107 D. Box 32 Russell, KS 67665 No. 7336
Sec. Twp. Range	County State On Location Finish
Date 2-9-17 27 12 18	Elis KS live Aime
	ocation Hals V Locust Game TE Sintes
Lease Jav MCKAR Well No. /	Owner
Contractor Koy Joi	To Quality Oilwell Cementing, Inc.
Type Job Source	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Hole Size 17/4 T.D. 213	Charge Sendlin Qu
Osg. 8-18 Depth 212	Street
Tbg. Size Depth	City
Fool Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Shoe Joint	Cement Amount Ordered 150 31/20 31.06 2-1.66
Aeas Line pisplace 13BL	f f
EQUIPMENT	Common 120
umptrk 5 No. Cementer was Helper No. Driver NOT	Poz. Mix 30
Bulktrk No. Driver	Gel. 3
ulktrk Driver Dro	Calcium 6
JOB SERVICES & REMARKS	Hulls
emarks:	Salt
at Hole	Flowseal
louse Hole	Kol-Seal
entralizers	Mud CLR 48
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GLOBAL OIL FIELD SERVICES, LLC

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TOTAL

Global Oil Field Services, LLC

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

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