CORRECTION #1

Kansas Corporation Commission Confidentiality Requested: OIL & GAS CONSERVATION DIVISION Yes No

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

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #			API No. 15
Name:			Spot Description:
Address 1:			Sec TwpS. R
Address 2:			Feet from North / South Line of Section
City: Sta	ate: Zi	p:+	Feet from East / West Line of Section
Contact Person:			Footages Calculated from Nearest Outside Section Corner:
Phone: ()			□ NE □ NW □ SE □ SW
CONTRACTOR: License #			GPS Location: Lat:, Long:
Name:			(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27 NAD83 WGS84
Purchaser:			County:
Designate Type of Completion:			Lease Name: Well #:
New Well Re-l	Entry	Workover	Field Name:
			Producing Formation:
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ D&A ☐ OG	GSW	Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	d3vv	remp. Abu.	Amount of Surface Pipe Set and Cemented at: Fee
Cathodic Other (Core,	. Expl., etc.);		Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info			If yes, show depth set: Feet
Operator:			If Alternate II completion, cement circulated from:
Well Name:			feet depth to:w/sx cmt
Original Comp. Date:			·
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from the Reserve Pit)
O constituents at	D		Chloride content: ppm Fluid volume: bbls
CommingledDual Completion			Dewatering method used:
SWD			Location of fluid disposal if hauled offsite:
☐ ENHR			Location of hala disposal in fladica offsite.
GSW Permit #:			Operator Name:
_			Lease Name: License #:
Spud Date or Date Read	ched TD	Completion Date or	QuarterSecTwpS. R East Wes
Recompletion Date		Recompletion Date	County: Permit #:

AFFIDAVIT

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

Submitted Electronically

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



CORRECTION #1

Operator Name:			Lease Name:			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Dres, whether shut-in preith final chart(s). Attach	ssure reached stati	c level, hydrosta	tic pressures, bott		
		tain Geophysical Data a r newer AND an image f		gs must be ema	iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Taker (Attach Additional S		Yes No			on (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	☐ Yes ☐ No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		0.0000					
		CASING Report all strings set-o	RECORD Ne onductor, surface, inte		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
Durnaga	Depth		CEMENTING / SQU	EEZE RECORD			
Purpose: Perforate	Top Bottom	Type of Cement # Sacks Used		Type and Percent Additives			
Protect Casing Plug Back TD							
Plug Off Zone							
Did you perform a hydrou	ulia fracturing tractment or	a thio well?		Yes	No (If No, ski	n quantiana 2 an	(d 2)
	ulic fracturing treatment or otal base fluid of the hydra	aulic fracturing treatment ex	ceed 350,000 gallons?	= =	= ' '	p questions 2 an p question 3)	u 3)
Was the hydraulic fractur	ring treatment information	submitted to the chemical o	disclosure registry?	Yes	No (If No, fill	out Page Three	of the ACO-1)
Shots Per Foot		N RECORD - Bridge Plug			cture, Shot, Cement		
	Specify Fo	ootage of Each Interval Perf	orated	(Ai	mount and Kind of Ma	terial Used)	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		l
Date of First, Resumed	Production, SWD or ENH	R. Producing Meth		Gas Lift C	Other <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil B		Mcf Wate			as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:		METHOD OF COMPLE	TION:		PRODUCTIO	DN INTERVAL:
Vented Sold		Open Hole	Perf. Dually	Comp. Cor	mmingled	1110000110	TO THE LANGE.
	bmit ACO-18.)	Other (Specify)	(Submit A	ACO-5) (Sub	mit ACO-4)		

Form	ACO1 - Well Completion		
Operator	Shakespeare Oil Co., Inc.		
Well Name	Carson 3-25		
Doc ID	1217627		

All Electric Logs Run

Array Induction	
Photo Density	
Comp Neutron	
Microlog	
Sonic	

Form	ACO1 - Well Completion		
Operator	Shakespeare Oil Co., Inc.		
Well Name	Carson 3-25		
Doc ID	1217627		

Tops

Name	Тор	Datum
Base Anhydrite	2454	+660
Heebner	3984	-870
Lansing	4025	-911
Muncie Creek	4210	-1096
Stark Shale	4308	-1194
Hushpuckney	4354	-1240
Pawnee	4530	-1416
L. Cherokee Shale	4611	-1497
Johnson	4656	-1542
Mississippian	4778	-1664

Form	ACO1 - Well Completion		
Operator	Shakespeare Oil Co., Inc.		
Well Name	Carson 3-25		
Doc ID	1217627		

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	266	Class A	180	3% CaCl2, 2% gel
production	7.875	5.5	15.5	4863	ASC		2% gel, 10% salt, 5#/sx Gilsonite, 1/4#/sx Floseal & 3/4 of 1% CD-32



PO Box 93999 Southlake, TX 76092

Voice: Fax:

(817) 546-7282 (817) 246-3361

Bill To:

Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Invoice Number: 144459

Invoice Date: Jul 13, 2014

Page:

Customer ID	Field Ticket#	Payment Terms Net 30 Days	
Shak	63327		
Job Location	Camp Location	Service Date	Due Date
KS1-09	Oakley	May 30, 2014	8/12/14

Quantity	Item		Description	Unit Price	Amount
1.00	WELLNAME	Carson #3-25			
100.00	CEMENT MATERIALS	Class A Common		17.90	1,790.00
4.00	CEMENT MATERIALS	Chloride		64.00	256.00
103.40	CEMENT SERVICE	Cubic Feet Charge	المالية	2.48	256.43
216.00	CEMENT SERVICE	Ton Mileage Charge		2.60	561.60
1.00	CEMENT SERVICE	1" Cement to Surface	AUS 0 4 2014		
1.00	CEMENT SUPERVISOR	Alan Ryan	7000		
1.00	EQUIPMENT OPERATOR	Kevin Ryan			
1.00	OPERATOR ASSISTANT	Brandon Wilkinson	an an to to to an		
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				10509	-5
				,	
	χ.				
		Subtotal			2 864 03

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$

716.00

ONLY IF PAID ON OR BEFORE Aug 12, 2014

The state of the s
2,864.03
166.75
3,030.78
3,030.78

ALLIED OIL & GAS SERVICES, LLC 063327 Federal Tax I.D. # 20-8651475

REMIT TO P.O. B SOUTI	BOX 93999 HLAKE, TE	EXAS 760)92		SER	ICE POINT:	a KI
DATE / 20/14	SEC.	TWP.	RANGE 34	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
DATE 5/30/14	/ `)	16	V/		[SIDOA.	5 1302
LEASE ENTSON	WELL# }	25_	LOCATION PEnc	e E To Chiro	125 Endo	Siett	
OLD OR NEW (C	ircle one)						
CONTRACTOR	outh in	ind	20	OWNER	Same	3	
TYPE OF JOB	1" 0	zusit	20 Surface		<u> </u>		
HOLE SIZE 12		T.D		CEMENT			
CASING SIZE	8118		PTH 265	AMOUNT O	rdered <i>1005</i>	K 3%	mcc
TUBING SIZE			PTH				
DRILL PIPE TOOL			PTH				
PRES. MAX			PTH		100	@1780	CQ27
MEAS. LINE			MUMUM DE JOINT	COMMON_	100_		1)90
CEMENT LEFT IN	N CSG.		OL JOHAI	POZMIX _ GEL	la .		
PERFS.				CHLORIDE	<u></u>	648	200
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	DRIVER	Bon	Oc Tin	HANDLING	-00.1	@	43
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STREET				****		TOTAL	2/3:03
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To: Allied Oil &							
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and furnish come							
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PRINTED NAME.	sian	Jsv	_	DISCOUNT_	MEGGG:	5%) ir pati	O IN 30 DAYS
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CICINIATTIDE					O 17, kS	CY DON'S	

Summary of Changes

Lease Name and Number: Carson 3-25

API/Permit #: 15-171-21064-00-00

Doc ID: 1217627

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Additional Type And Percent Additive		4% CaCl2
Approved Date	07/17/2014	08/07/2014
CementingDepth2_PDF	-	265-0
CementingDepthBase2		0
CementingDepthTop2		265
Number Of Sacks Used for Cementing /		100
Squeezing- Line 2 Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=12	//kcc/detail/operatorE ditDetail.cfm?docID=12
Type Of Cement Used for Cementing / Squeezing - Line 2	14562	17627 Class A

Summary of Attachments

Lease Name and Number: Carson 3-25

API: 15-171-21064-00-00

Doc ID: 1217627

Correction Number: 1

Attachment Name

Cement ticket



Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1214562

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

CONFIDENTIAL WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #		API No. 15		
Name:		Spot Description:		
Address 1:		SecTwpS. R		
Address 2:		Feet from North / South Line of Section		
City: State: 2	Zip:+	Feet from _ East / _ West Line of Section		
Contact Person:		Footages Calculated from Nearest Outside Section Corner:		
Phone: ()		□NE □NW □SE □SW		
CONTRACTOR: License #		GPS Location: Lat:, Long:		
Name:		(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)		
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84		
Purchaser:		County:		
Designate Type of Completion:		Lease Name: Well #:		
New Well Re-Entry	Workover	Field Name:		
		Producing Formation:		
Oil WSW SWD	SIOW	Elevation: Ground: Kelly Bushing:		
☐ Gas ☐ D&A ☐ ENHR☐ OG ☐ GSW	☐ SIGW	Total Vertical Depth: Plug Back Total Depth:		
☐ OG ☐ GSW ☐ CM (Coal Bed Methane)	Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet		
Cathodic Other (Core, Expl., etc.):		Multiple Stage Cementing Collar Used? Yes No		
If Workover/Re-entry: Old Well Info as follows:		If yes, show depth set: Feet		
Operator:		If Alternate II completion, cement circulated from:		
Well Name:		feet depth to:w/sx cmt.		
Original Comp. Date: Original				
Deepening Re-perf. Conv. to I	<u>.</u>	Drilling Fluid Management Plan		
	GSW Conv. to Producer	(Data must be collected from the Reserve Pit)		
	_	Chloride content:ppm Fluid volume:bbls		
		Dewatering method used:		
		Downtoning motion dood.		
		Location of fluid disposal if hauled offsite:		
		Operator Name:		
GSW Permit #:		Lease Name: License #:		
Canad Data as Data Data LTD	Completion Data and	Quarter Sec Twp S. R		
Spud Date or Date Reached TD Recompletion Date	Completion Date or Recompletion Date	County: Permit #:		

AFFIDAVIT

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

Submitted Electronically

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

KOLAR Document ID: 1214562

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS. F	R [East	West	County:					
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool erature, fluid recovery, Digital electronic log
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name)		Тор	Datum
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€ Y€	es No						
			Repo		RECORD [Nev	w Used rmediate, producti	on. etc.		
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	OF MENTING /					
Purpose:	[Depth	Typo	of Cement	# Sacks Use		EEZE RECORD	Typo a	nd Percent Additives	
Perforate Protect Ca Plug Back	Top	Bottom	туре	or cement	# Sacks Use	,u		туре а	ia reicent Additives	
Plug Off Z										
Did you perform Does the volum Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)		
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping Mcf	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:
Vented	Sold Use	d on Lease		Open Hole		Dually		nmingled	Тор	Bottom
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Type	Bridge Plug Set At		Acid,		Cementing Squeeze Kind of Material Used)	Record
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Carson 3-25
Doc ID	1214562

All Electric Logs Run

Array Induction	
Photo Density	
Comp Neutron	
Microlog	
Sonic	

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Carson 3-25
Doc ID	1214562

Tops

Name	Тор	Datum
Base Anhydrite	2454	+660
Heebner	3984	-870
Lansing	4025	-911
Muncie Creek	4210	-1096
Stark Shale	4308	-1194
Hushpuckney	4354	-1240
Pawnee	4530	-1416
L. Cherokee Shale	4611	-1497
Johnson	4656	-1542
Mississippian	4778	-1664

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Carson 3-25
Doc ID	1214562

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	Marmaton "C"	500 gal 15% RWR	4514-18
4		500 gal 15% RWR, 1500 gal 15% RWR	4452-59, 4436-41

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Carson 3-25
Doc ID	1214562

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	266	Class A	180	3% CaCl2, 2% gel
production	7.875	5.5	15.5	4863	ASC	135	2% gel, 10% salt, 5#/sx Gilsonite, 1/4#/sx Floseal & 3/4 of 1% CD-32



PO Box 93999 Southlake, TX 76092

Voice: Fax:

(817) 546-7282 (817) 246-3361

Bill To:

Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Invoice Number: 143512

Invoice Date: May 29, 2014

Page:

Customer ID	Field Ticket #	Payment Terms	
Shak	63326	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	May 29, 2014	6/28/14

180.00 CEMENT MATERIALS 3.00 CEMENT MATERIALS 6.00 CEMENT MATERIALS 194.64 CEMENT SERVICE 399.78 CEMENT SERVICE 1.00 CEMENT SERVICE 45.00 CEMENT SERVICE 1.00 CEMENT SERVICE 1.00 CEMENT SERVICE Manife	Feet Charge 2.48 ileage Charge 2.60 1,512.25 Truck Mileage 7.70 old Rental 275.00 4.40 eyan	3,222.00 70.20 384.00 482.71 1,039.43 1,512.25 346.50 275.00 198.00
		2- B-
30 DAYS FOLLOWING DATE OF	Subtotal Sales Tax	7,530.09 299.61
THEREAFTER. IF ACCOUNT IS \vdash	Total Invoice Amount Payment/Credit Applied	7,829.70

\$

1,882.52

ONLY IF PAID ON OR BEFORE Jun 28, 2014

Subtotal	7 500 00
Subtotal	7,530.09
Sales Tax	299.61
Total Invoice Amount	7,829.70
Payment/Credit Applied	
TOTAL	7,829.70



PED OIL & GAS SERVICES, LLC 063326

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SIGNATURE

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	ř.	SERV	ICE POINT:	·
DATE 5/20/14 SEC. TWP RANGE 24 C	ALLED OUT	ON LOCATION	JOB START	JOB FINISH
		-	COUNTY	STATE
LEASE CATSON WELL# 3-25 LOCATION Pance	FTO Church	5 riles	Sist	25
OLD OR NEW (Circle one) White				•
CONTRACTOR Southwind DO	OWNER	Some		
TYPE OF JOB Surface, HOLE SIZE 1814 T.D. 265,	CEMENT			
HOLE SIZE 1879 T.D. 26.5, CASING SIZE 878 DEPTH 265	CEMENT AMOUNT ORD	EPEN 140	10- 20)pcc
TUBING SIZE DEPTH	AMOONI OND	EKEO 10 0	200	
DRILL PIPE DEPTH			0	
TOOL DEPTH			. 9./	00
PRES. MAX MINIMUM		180		1222
MEAS. LINE SHOE JOINT	POZMIX		-@	38400
CEMENT LEFT IN CSG. / \$ 7 PERFS.	GEL	-J	· @ 3 3 00	2011
DISPLACEMENT / 5. 9}	CHLORIDE ASC	<i></i>	- 694 <u>-</u>	30 %
EOUIPMENT	ASC		 	
EQUIPMENT	TYCkec			34,1600
DIMOTRIAN COMPINED AF			(e	ECHIPAULAN,)
PUMPTRUCK CEMENTER HE SUGO # 423 281 HELPER HELL KUGO	(()	105/056	<i>.</i> Ø	
BULK TRUCK		1	· @	
# 3)3 DRIVER JULY TOS)	********		_@	
BULK TRUCK	-		_@	
# DRIVER	HANDLING	194 1406	- 18	-11002/
	MILEAGE 2	-700 le 8	904 TO .	1089-13
REMARKS:	MILLONOLOG:	2001/254 0 4		
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y or was very confined	esner	SERVI	מנר	
Shirtin		JERYN	والر	
<u>΄</u>	DEPTH OF JOB			
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	EXTRA FOOTA	GE	.0	
	MILEAGE	45	@ 200	34635
Think to Man Levin, Ju	JANIFOLD		· · · · · · · · · · · · · · · · · · ·	225
71100 100001000	" C- to Vehi de	. 45	@430	158
our names Challe a Dave D		·	,@	
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CITYSTATEZIP				
SIATE ZIF	PI	LUG & FLOAT	EOUIPMEN	т
			• •	-
	 		@	
			@	
To: Allied Oil & Gas 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		$-\int C(\lambda)dx$)	
Ione to satisfaction and supervision of owner agent or		(, , , , , , ,) TOTAL	
contractor. I have read and understand the "GENERAL	011 00 000 000			
TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If.	1		→
1 1	TOTAL CHARG	es <u>l,3.3/</u>	<u>(3)</u>	
PRINTED NAME Am	DISCOUNT	,	1/2/	O IN 30 DAYS
	NISCOUNT	うほんだ もきこ カンじょ	13. PA [[TALL WALLS
		41.5616		D IN 30 DATS



PO Box 93999 Southlake, TX 76092

Voice: Fax:

(817) 546-7282 (817) 246-3361

Bill To:

Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

INVOICE

Invoice Number: 143790 Invoice Date: Jun 9, 2014

Page: 1

Customer ID	Field Ticket #	Payment	Terms
Shak	64009	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jun 9, 2014	7/9/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Carson #3-25		
310.00	CEMENT MATERIALS	Gel	1.05	325.50
165.00	CEMENT MATERIALS	ASC	23.50	3,877.50
858.00	CEMENT MATERIALS	Salt	0.68	583.44
825.00	CEMENT MATERIALS	Gilsonite (10)	0.98	808.50
116.00	CEMENT MATERIALS	CD-31	7.73	896.68
25.00	CEMENT MATERIALS	PDGF 0 JUN 2 3 2014	3.50	87.50
12.00	CEMENT MATERIALS	Super Flush	41.09	493.08
214.91	CEMENT SERVICE	Cubic Feet Charge	2.48	532.98
370.00	CEMENT SERVICE	Ton Mileage Charge	2.75	1,017.50
1.00	CEMENT SERVICE	Long String ✓	2,765.75	2,765.75
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Manifold Head Rotater Rental	475.00	475.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

> \$ 3,101.98

ONLY IF PAID ON OR BEFORE Jul 9, 2014

Subtotal	12,407.93
Sales Tax	576.38
Total Invoice Amount	12,984.31
Payment/Credit Applied	
TOTAL	12,984.31





ALLIED OIL & GAS SERVICES, LLC 064009 Federal Tax I.D. # 20.8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	SERVICE POINT:
•	Oakley KS
DATE 6-9-14 SEC 5 TWP RANGE 34 CA	ALLED OUT ON LOCATION JOB START JOB FINISH 10 60 g.m. 1.00 g.m.
LEASE CACSON WELLA 3-25 LOCATION PONCE	Eagle Rd 25 Scott STATES
OLD OT MEN) (OL)	Eagle Ka L.S SCOTT I KS
OLD ON NEW (Circle one) (5 into	
CONTRACTOR SOUTH WIND 70 TYPE OF JOB REGULATION (JONG STRING)	OWNER Same
HOLE SIZE 77/K T.D. 4870	CEMENT
CASING SIZE 5/2 DEPTH 4844'	
TUBING SIZE DEPTH	AMOUNT ORDERED 165 sts 145C 10%
DRILL PIPE DEPTH	Salt, 5# gilsoute, 2% gel, .75 041%
TOOL Port collar DEPTH 1403'	Salt, 5" gilspuide, 2% gcl, 15 of 1% -(D-31, 15 Deformer, 500 gcl, 16
PRES. MAX MINIMUM	COMMON@
MEAS. LINE SHOE JOINT 42.13	POZMIX@
CEMENT LEFT IN CSG. 42.13'	GEL 3/0 4 @ 1.05 325,50
PERFS.	CHLORIDE @
DISPLACEMENT 114.76 bbl weder	ASC 1658 @ 23.50 3877.50
EQUIPMENT	Salt: 858 # @ 168 583,44
~~~~~~	gilsonide 825 # @ .98 807,50
PUMPTRUCK CEMENTER POUL Beauer	(D-3/ 11L # @ 7.73 886.68
	PAGE 354 @ 3.50 87.50
# 120 HELPER TYLEY Flipse BULKTRUCK	WEG-TL 12, 13, 181 @ 41.09 493.08
# LODO DRIVER Rainero (TWS)	1110aul 10101 . 1010.20
BULK TRUCK (105)	14760.05 /3673
# DRIVER	
	HANDLING 214.91 41-3 @ 2.48 532.98
	MILEAGE 9.25 JOHN 40 mix 2.75 1017.50
REMARKS:	TOTAL
Breek circ, brop ball, pumped ball throughten	
- Circ, My 12 July Sweet Flush, Mix	SERVICE
30 skyln R.H. Mix 135 sks ASC down cosiss.	
restrict from & lipes to pit, release aling	DEPTH OF JOB4864'
displace in water, plug did land of	PUMPTRUCK CHARGE 2765.75
Door Lift pressure 760 4	EXTRA FOOTAGE @
Plant did hold	MILEAGE MIHV 45 @ 7.70 308.00
thank you.	MANIFOLD HEGA/OFSIG @ 425.25
Tout + 14ler	m/1 45 @ 4.40 198.00
	<u> </u>
CHARGETO: Shakespeave	[ ] 934.45[552] 57297-25
STREET	TOTAL
JINCOL	
CITYSTATEZIP	
	PLUG & FLOAT EQUIPMENT
	@
To: Allied Oil & Gas Services, LLC.	
You are hereby requested to rent cementing equipment	<u> </u>
and furnish cementer and helper(s) to assist owner or	<u> </u>
contractor to do work as is listed. The above work was	
done to satisfaction and supervision of owner agent or	TOTAL
contractor. I have read and understand the "GENERAL	
TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)
- The second of	TOTAL CHARGES 12, 369.43
PRINTED NAME	DISCOUNT 309230 258 IF PAID IN 30 DAYS
$\Omega I \rightarrow I$	9 97717 Mal
SIGNATURE Carlagne Mynn	1161 1 7101 1801



PO Box 93999 Southlake, TX 76092

Voice: Fax:

(817) 546-7282 (817) 246-3361

Bill To:

Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Invoice Number: 144090

Invoice Date: Jun 24, 2014

Pag

UO.	1
ge:	
-	

Customer ID	Field Ticket #	Payment Terms  Net 30 Days	
Shak	64035		
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Jun 24, 2014	7/24/14

		V / 10 / 10 / 10 / 10 / 10 / 10 / 10 / 1	1	0d1124, 2014	112.	1/ 14
Quantity	Item		Description		Unit Price	Amount
1.00	WELLNAME	Carson #3-25				
350.00	CEMENT MATERIALS	Light Weight Type 1			19.88	6,958.00
	CEMENT MATERIALS	Flo Seal	11/		2.97	261.36
	CEMENT MATERIALS	Cottonseed Hulls	101		0.99	297.00
585.67	CEMENT SERVICE	Cubic Feet Charge			2.48	1,452.46
1,081.34	CEMENT SERVICE	Ton Mileage Charge			2.75	2,973.69
	CEMENT SERVICE	Port Collar 🗸			2,483.59	2,483.59
		Pump Truck Mileage			7.70	346.50
		Manifold Head Rental			275.00	275.00
16 . 550.05-030		Light Vehicle Mileage			4.40	198.00
	CEMENT SUPERVISOR	LaRene Wentz		78		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy				
	ii.					
					017(II)/ UL 11 20 915U U	7/2[n 14 15
ALL PRICE	ES ARE NET, PAYABLE	Subtotal				15,245.60
30 DAYS I	FOLLOWING DATE OF	Sales Tax				612.58
	E. 1 1/2% CHARGED	Total Invoice Amo	unt			15,858.18
THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF		Payment/Credit A	pplied			)( <b>0</b> )
corniality with biocourt of						

\$

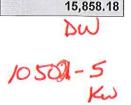
3,811.40



ONLY IF PAID ON OR BEFORE Jul 24, 2014

Subtotal	15,245.60
Sales Tax	612.58
Total Invoice Amount	15,858.18
Payment/Credit Applied	
TOTAL	15,858.18





# ALLIED OIL & GAS SERVICES, LLC 064045 Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092		SERV	ICE POINT:	ey, ks
DATE - 24:-14 SEC. 95 TWP. 16 RANGE 3 4 C	ALLED OUT	ONLOCATION	JOB START	IOB FINISH
LEASE WELL # 3-25 LOCATION Pens	e 22,1		COUNTY.	STATE
OLD OF NEW Circle one) Sinter				
CONTRACTOR Wild West	OWNER 5	Luc.		
TYPE OF JOB Port Cellar			······································	
HOLE SIZE T.D.  CASING SIZE 5 /2 DEPTH	CEMENT	12.	. 6. 10	
MUDING OUT DIVIN	AMOUNT ORD	ERED 500	519671.	35 8 Eggs
DRILL PIPE DEPTH 92/03/		-10-3 622		•
TOOL PORESHON DEPTH 24031	1000#	Co//0456	ed ho	.113
PRES. MAX MINIMUM	COMMON		@	
MEAS. LINE SHOE JOINT	POZMIX		@	
CEMENT LEFT IN CSG.	GEL		· · · · · · · · · · · · · · · · · · ·	<del></del>
PERFS.	CHLORIDE		@	
DISPLACEMENT 12.5 661	ASC		@	
EQUIPMENT	Alw Type	1.505/	@ 17.88	<u> </u>
	<del></del>		. <u>@</u>	
PUMPTRUCK CEMENTER Lakene E-weite	floscof	950	20 - <del>2 - 2 - 2 - 2</del>	3/12/
# 422 HELPER Wayne Mc Ghghy	1) 2000 604	307	.@ <i>4<u>&lt;.//</u>_</i>	<u> 261.36</u>
BULKTRUCK #818/287 DRIVER Europe Tancz (TW	X's theiseen	PRUS BOOT	4 785 B	KALESTAN
BULK TRUCK	29	6	. @ <u>///</u>	277.00
# DRIVER	Materies	93/3/07	•@	77 577 30
. DATA DA	- /flANDUNU)	クスいノ サブニ	@ X Y X	1452,46
	(MILEAGE 282	3pen X 45	X 2.75	<u> 2973.7</u> /
REMARKS:	1187	7210/059	TOTAL	
Testyortaullar/260 # Open Portcol	(a) (1000)	ec y as m	'. <del>/</del>	
Mix 3509 Es Courant wy Halls.		SERVIC	Æ	
Displace with water Close Port				
	DEPTH OF JOB	_2403		
Comment Charles	WMP TRUCK	CHARGE		7483.39
	BXTRA FOOTA	GB	@ <u>7,70</u>	<del></del>
1 1 1 m	MILEAGE 4.2	10 43	@ <u>7,70</u>	396.50
- thonkyou	MANIFOLD LI MFCV	415	@ <del>4,40</del>	198,00
,	7 69 50		.@ <u>. () ( ) .</u>	17000
CHARGETO: Shakespeare Dil		7	1	-
	1/6	730134/25	3/ moment	7 237.37
STREET	( '/ '	com y	> 101MP	7, 163 (.C.)
CITYSTATEZIP	PI	.UG & FLOAT	EQUIPMEN	r
		7.	<u> </u>	
	<del></del>		 	•
To: Allied Oil & Gas 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			TOTAL	
contractor. I have read and understand the "GENERAL				
TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If A	Any)		<del></del>
	TOTAL CHARG	ES / ) (3)	1063	
DRINTED MANAC	)	~ <u>~~</u>	11 2 /	
PRINTED NAME	DISCOUNT 🕹	UH- [() / c	⊆ДИ <b>г</b> рип	O IN 30 DAYS
3111		11. 439. 11	Kel	



Shakespeare Oil Company, Inc.

25-16s-34w Scott Co, KS

202 W Main ST Salem IL, 62881-1519 Carson #3-25 Job Ticket: 57015

Unit No:

DST#: 1

ATTN: Wes Hanson

Test Start: 2014.06.05 @ 13:30:00

75

#### GENERAL INFORMATION:

Marmaton "A" Formation:

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

Time Tool Opened: 16:18:15 Time Test Ended: 21:54:15

Interval:

4420.00 ft (KB) To 4470.00 ft (KB) (TVD)

Total Depth: 4470.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor Hole Diameter:

Tester: Jace McKinney

3104.00 ft (CF)

Reference Elevations: 3114.00 ft (KB)

> KB to GR/CF: 10.00 ft

Serial #: 8675 Inside

Press@RunDepth: 4430.00 ft (KB) 63.69 psig @ Capacity: 8000.00 psig

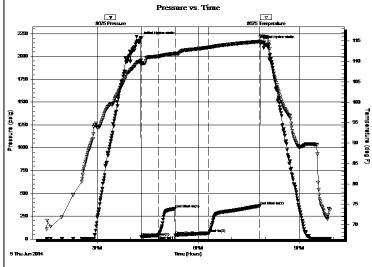
Start Date: 2014.06.05 End Date: 2014.06.05 Last Calib.: 2014.06.05 Start Time: 13:30:15 End Time: 2014.06.05 @ 16:17:45 21:54:15 Time On Btm: Time Off Btm: 2014.06.05 @ 19:51:00

TEST COMMENT: Built to 7" blow

Bled off for 5 min. No return blow

B.O.B. in 37 min.

Bled off for 5 min. Built to 1/2" return, died in 75 min.



Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2192.88	110.22	Initial Hydro-static
	1	24.49	109.16	Open To Flow (1)
	31	39.51	111.25	Shut-In(1)
	61	334.52	111.94	End Shut-In(1)
	62	42.32	111.82	Open To Flow (2)
	121	63.69	113.43	Shut-In(2)
	212	364.56	114.87	End Shut-In(2)
,	214	2150.41	116.14	Final Hydro-static

Cac Datas

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
0.00	388 Feet Weak Gas In Pipe	0.00
55.00	mco 30%M 70%O	0.77
63.00	gcom 10%G 30%O 60%M	0.88

Oas Mai	.03	
Choko (inchos)	Proceuro (peig)	Gas Pato (Mof/d)

Trilobite Testing, Inc. Ref. No: 57015 Printed: 2014.06.05 @ 22:58:46



**FLUID SUMMARY** 

Shakespeare Oil Company, Inc.

25-16s-34w Scott Co, KS

202 W Main ST Salem IL, 62881-1519 Carson #3-25

Job Ticket: 57015

DST#:1

ATTN: Wes Hanson

Test Start: 2014.06.05 @ 13:30:00

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

Mud Type:Gel ChemCushion Type:Oil A Pl:26 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 50.00 sec/qt Cushion Volume: bbl

8.79 in³ Gas Cushion Type:

Gas Cushion Pressure: psig

Salinity: 4000.00 ppm Filter Cake: 1.00 inches

ohm.m

#### **Recovery Information**

Water Loss:

Resistivity:

#### Recovery Table

Length ft	Description	Volume bbl
0.00	388 Feet Weak Gas In Pipe	0.000
55.00	mco 30%M 70%O	0.772
63.00	gcom 10%G 30%O 60%M	0.884

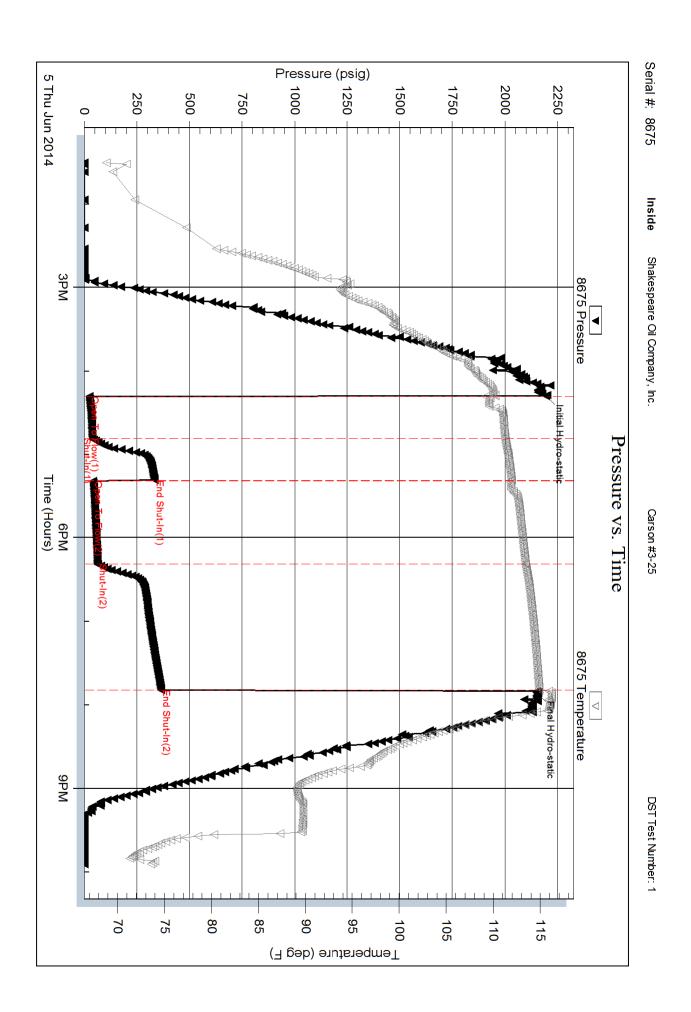
Total Length: 118.00 ft Total Volume: 1.656 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API 27 @ 70 F = 26

Trilobite Testing, Inc Ref. No: 57015 Printed: 2014.06.05 @ 22:58:47



Trilobite Testing, Inc

Ref. No:

57015

Printed: 2014.06.05 @ 22:58:47



Shakespeare Oil Company, Inc.

25-16s-34w Scott Co, KS

202 W Main ST Salem IL, 62881-1519 Carson #3-25

Job Ticket: 57016

DST#: 2

ATTN: Wes Hanson

Test Start: 2014.06.06 @ 17:10:00

#### **GENERAL INFORMATION:**

Formation: Myrick Station/Fort

Deviated: No Whipstock: 0.00 ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 19:18:45
Time Test Ended: 23:09:00
Tester: Justin Harris
Time Test Ended: 23:09:00
Unit No: 75

 Interval:
 4552.00 ft (KB) To
 4610.00 ft (KB) (TVD)
 Reference Elevations:
 3114.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD) 3104.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 10.00 ft

Serial #: 8675 Inside

Press@RunDepth: 26.80 psig @ 4574.00 ft (KB) Capacity: 8000.00 psig

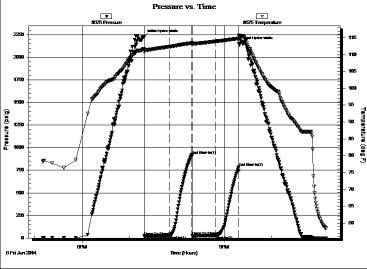
 Start Date:
 2014.06.06
 End Date:
 2014.06.06
 Last Calib.:
 2014.06.06
 2014.06.06

 Start Time:
 17:10:15
 End Time:
 23:09:00
 Time On Btm:
 2014.06.06 @ 19:18:30

 Time Off Btm:
 2014.06.06 @ 21:18:45

TEST COMMENT: 30: Weak surface blow died in 5 mins.

30: No Return. 30: No Blow. 30: No Return.



PRESSURE SUMMARY					
	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	2223.16	111.69	Initial Hydro-static	
	1	21.01	110.73	Open To Flow (1)	
	32	24.87	112.32	Shut-In(1)	
	61	921.46	113.41	End Shut-In(1)	
3	61	24.10	112.98	Open To Flow (2)	
	91	26.80	113.93	Shut-In(2)	
ć	120	782.51	114.77	End Shut-In(2)	
9	121	2145.65	115.76	Final Hydro-static	

DDECCLIDE CLIMANA DV

#### Recovery

Length (ft)	Description	Volume (bbl)			
5.00	mud 100%m	0.07			
* Recovery from multiple tests					

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

Trilobite Testing, Inc Ref. No: 57016 Printed: 2014.06.06 @ 23:32:05



**FLUID SUMMARY** 

Shakespeare Oil Company, Inc. 25-16s-34w Scott Co, KS

202 W Main ST Salem IL, 62881-1519

ATTN: Wes Hanson

Carson #3-25

Job Ticket: 57016 DST#: 2

Test Start: 2014.06.06 @ 17:10:00

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API Water Salinity: 0 ppm

Mud Weight: Cushion Length: 9.00 lb/gal ft

Viscosity: 44.00 sec/qt Cushion Volume: bbl

Water Loss: 9.99 in³ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

6000.00 ppm Salinity: Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl	
5.00	mud 100%m	0.070	

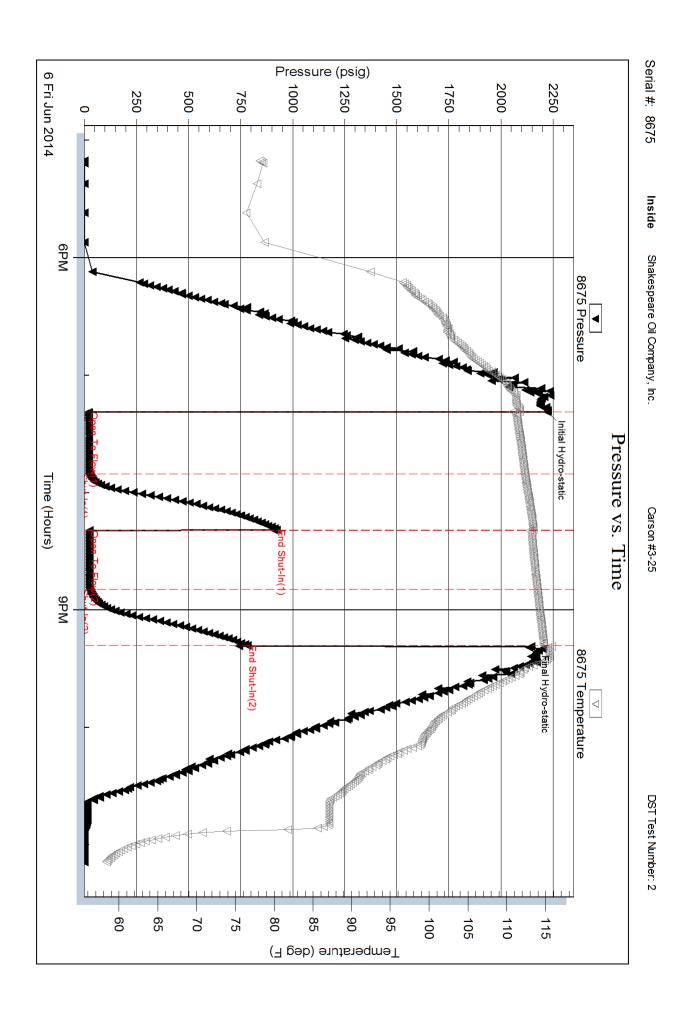
Total Length: 5.00 ft Total Volume: 0.070 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 57016 Printed: 2014.06.06 @ 23:32:06



Trilobite Testing, Inc

Ref. No:

57016

Printed: 2014.06.06 @ 23:32:06



Prepared For: Shakespeare Oil Company, Inc.

202 W Main St Salem IL 62881-1519

ATTN: Wes Hanson

#### Carson #3-25

#### 25-16s-34w Scott,KS

Start Date: 2014.06.07 @ 14:05:00

End Date:

2014.06.07 @ 20:24:15

Job Ticket #: 57017

DST#: 3

Trilobite Testing, Inc PO Box 362 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.06.10 @ 08:41:07



Shakespeare Oil Company, Inc.

25-16s-34w Scott, KS

202 W Main St

Salem IL 62881-1519

ATTN: Wes Hanson

Carson #3-25

Job Ticket: 57017

DST#: 3

Test Start: 2014.06.07 @ 14:05:00

Jace McKinney

#### **GENERAL INFORMATION:**

Formation:

Johnson

Deviated:

No Whipstock: ft (KB)

Test Type:

Conventional Bottom Hole (Reset)

Time Tool Opened: 16:31:15 Time Test Ended: 20:24:15

Unit No:

Intervai: Total Depth: 4640.00 ft (KB) To 4720.00 ft (KB) (TVD)

Reference Elevations:

Tester:

3114.00 ft (KB)

4720.00 ft (KB) (TVD)

75

3104.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Poor

KB to GR/CF:

10.00 ft

Serial #: 8650 Press@RunDepth:

Outside

38.93 psig @

4654.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2014.06.07

End Date:

2014.06.07

Last Callb.: Time On Btm: 2014.06.07

Start Time:

14:05:15

End Time:

20:24:15

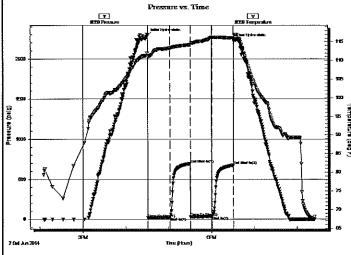
2014.06.07 @ 16:31:00

Time Off Btm:

2014.06.07 @ 18:31:15

TEST COMMENT: 30: Weak surface blow to 1".

30: No Return. 30: No Blow. 30: No Return.



	PRESSURE SUMMARY					
1	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	2292.47	111.65	Initial Hydro-static		
i	1	17.11	110.82	Open To Flow (1)		
	31	28.32	113.32	Shut-In(1)		
,	60	694.85	114.21	End Shut-In(1)		
ā	60	29,49	114.16	Open To Flow (2)		
Tampareture (dag F)	90	38,93	116.19	Shut-in(2)		
(d e 0	120	675.16	116.08	End Shut-In(2)		
•	121	2221,27	116.72	Final Hydro-static		

#### Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud 100%m	0.70
* Recovery from I	multiple lests	-

#### Gas Rates

Choke (inches) | Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc.

Ref. No: 57017

Printed: 2014.06.10 @ 08:41:07



Shakespeare Oil Company, Inc.

25-16s-34w Scott,KS

202 W Main St

Salem IL 62881-1519

ATTN: Wes Hanson

Carson #3-25

Job Ticket: 57017

DST#: 3

Test Start: 2014.06.07 @ 14:05:00

#### GENERAL INFORMATION:

Time Tool Opened: 16:31:15

Time Test Ended: 20:24:15

Formation:

Johnson

Deviated:

No Wnipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Jace McKinney

Unit No:

Reference Elevations:

3114.00 ft (KB)

3104.00 ft (CF)

KB to GR/CF:

10.00 ft

Interval: Total Depth:

Hole Diameter:

4640.00 ft (KB) To 4720.00 ft (KB) (TVD)

4720.00 ft (KB) (TVD)

7.88 inchesHole Condition: Poor

Serial #: 8675

Inside

Press@RunDepth: psig @ 4654.00 ft (KB)

2014.06.07

Capacity: Last Calib.: 8000.00 psig

Start Date:

2014.06.07

End Date:

Time On Btm:

2014.06.07

Start Time:

14:05:15

End Time:

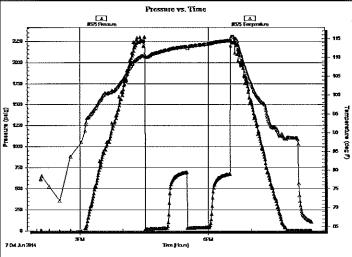
20:24:30

Time Off Btm:

TEST COMMENT: 30: Weak surface blow to 1".

30: No Return.

30: No Blow. 30: No Return,



	PRESSURE SUMMARY					
,	Time	Pressure	Temp	Annotation		
155	(Mn.)	(psig)	(deg F)			
120						
kasi						
100		1				
اور						
~ #		•				
a B						
Temperature (deg F)						
10						
5						
מ						
_						
15						

#### Recovery

Length (ft)	Description	Valume (bbl)
50.00	mud 100%m	0.70
	" '	
* Recovery from r	nultiple tests	

Gas Rate (Mcl/d) Choke (inches) Pressure (psig)

Trilobite Testing, Inc. Ref. No: 57017 Printed: 2014.06.10 @ 08:41:07



**TOOL DIAGRAM** 

Shakespeare Oil Company, Inc.

25-16s-34w Scott,KS

202 W Main St Salem IL 62881-1519

Carson #3-25 Job Ticket: 57017

DST#:3

ATTN: Wes Hanson

Test Start: 2014.06.07 @ 14:05:00

**Tool Information** 

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4632,50 ft Diameter: Length:

0.00 ft Diameter:

0.00 ft Diameter:

3.80 inches Volume: 64.98 bbl 0.00 inches Volume: 0.00 inches Volume: Total Volume:

0.00 bbl 1dd 00.0 64,98 bbl Tool Weight:

2500.00 lb Weight set on Packer: 30000.00 lb

Weight to Pull Loose: 75000.00 lb Tool Chased

0.00 ft

String Weight: Initial 60000.00 lb

Final 62000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

20.00 ft 4640.00 ft ft

Depth to Bottom Packer: Interval between Packers: Tool Length:

80.00 ft

107.50 ft

2

Diameter:

6.75 inches

Number of Packers: Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4613.50		
Shut In Tool	5.00			4618.50		
Hydraulic tool	5.00			4623.50		
Jars	5.00			4628.50		
Safety Joint	2.50			4631.00		
Packer	5.00			4636.00	27.50	Bottom Of Top Packer
Packer	4.00			4640.00		
Stubb	1.00			4641.00		
Perforations	12.00			4653.00		
Change Over Sub	1.00			4654.00		
Recorder	0.00	8675	Inside	4654.00		
Recorder	0.00	8650	Outside	4654.00		
Drill Pipe	62.00			4716.00		
Change Over Sub	1.00			4717.00		
Bullnose	3.00			4720.00	80.00	Bottom Packers & Anchor

**Total Tool Length:** 

107.50



25-16s-34w Scott,KS

202 W Main St Salem IL 62881-1519

Carson #3-25

Job Ticket: 57017

DST#:3

**FLUID SUMMARY** 

ATTN: Wes Hanson

Shakespeare Oil Company, Inc.

Test Start: 2014.06.07 @ 14:05:00

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

**Cushion Type:** 

Oil AFI:

0 deg AFI

Mud Weight:

Cushion Length: Cushion Volume: ft bbl Water Salinity: 0 ppm

Viscosity: Water Loss: 50.00 sec/qt 9.59 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: Salinity: Filter Cake:

ohm.m 6500.00 ppm

1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbi
50.00	mud 100%m	0.701

Total Length:

50.00 ft

Total Volume:

0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0 Serial #:

Laboratory Name:

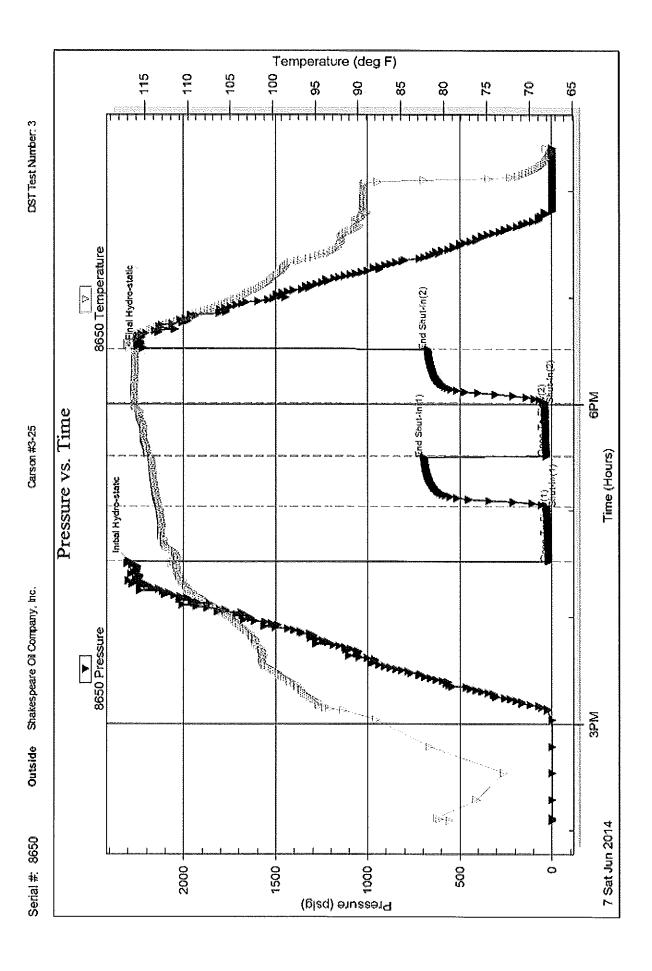
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

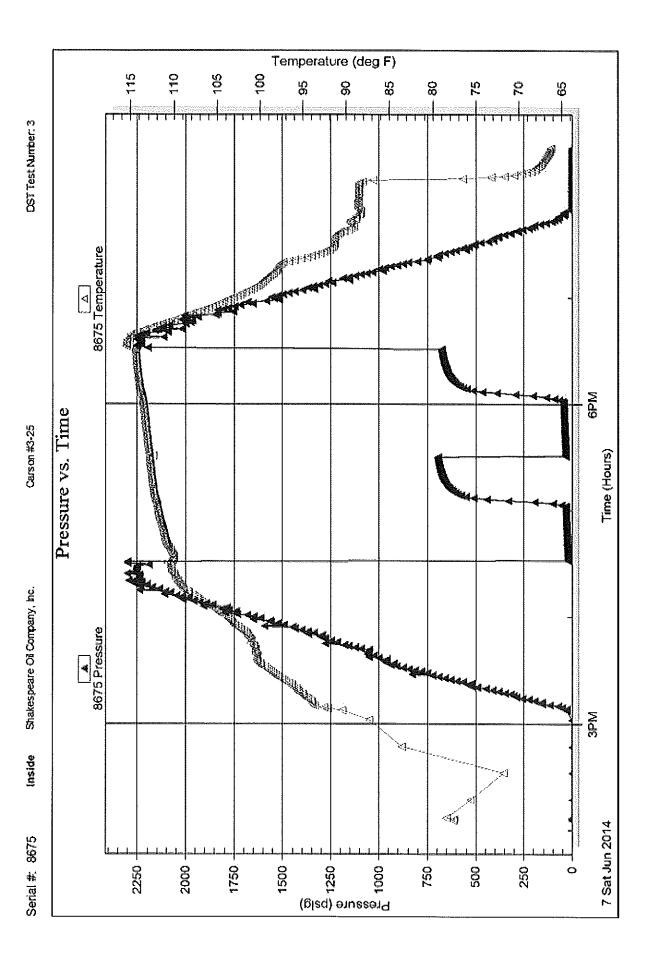
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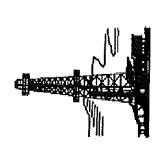


Ref. No: 57017 Triobite Testing, Inc

Printed: 2014,06,10 @ 08;41:08



Triobite Testing, Inc



WESLEY D. HANSEN Consulting Petroleum Geologist

Office: 316-267-7313 Cellular; 316-772-6188 212 N. Market, Suite 257, Wichita, KS 67202

Kansas License #418 AAPG

KGS

# LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5"=100") Imperial Measured Depth Log

Shakespeare Oil Company, Inc. #3-25 Carson

Well Name:

1000' FSL, 1600' FWL SW/4, Sec. 25-16S-34W

API #15-171-21064 License Number:

5-29-2014

Spud Date:

Region: Scott County, KS Drilling Completed: 6-8-2014

1000' FSL, 1600' FWL SW/4, Sec. 25-16S-34W Surface Coordinates:

Bottom Hole Coordinates: Vertical hole

3102 Ground Elevation (ft):

3114 K.B. Elevation (ft): Total Depth (ft):

3800. Logged Interval (ft):

Mississippian at RTD Formation:

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com Chemical - Displaced at 3504'-3536' Type of Drilling Fluid:

# **OPERATOR**

Shakespeare Oil Company, Inc. Company:

202 West Main Street Address:

Salem, IL 62881

# GEOLOGIST

Wesley D. Hansen Name:

Wesley D. Hansen - Consulting Petroleum Geologist Company:

212 N. Market, Suite 257 Wichita, KS 67202 Address:

Office: 316-263-7313 Cellular: 316-772-6188

# COMMENTS

Contractor: Southwind Drilling Rig #70

Pusher: Sam Staggs

Surface Casing: 8 5/8" set at 266' w/180 sx Production Casing: 5 1/2" set at 4865' w/135 sx

Mud by: MudCo - Reid Atkins and Terry Ison were the engineers.

DST's by: Trilobite - Jace McKinney and Justin Harris were the testers.

Logs by: Weatherford - MAI/MFE, MPD/MDN, MML, Sonic

Deviation Surveys: 3/4 deg. @ 266'; 1 1/2 deg. @ 4470'; 2 deg. @ 4870'

,	Hours on bit 2 1/2 129 3/4
	Footage Cut 266' 4604'
BIT RECORD	Depth Out 266' 4870'
BIT	Type rerun S52
	MFG Reed Reed
	Size 12 1/4" 7 7/8"
	Bit # 1

FORMATION TOPS AND STRUCTURAL COMPARISON

COMPARISON WELL SOCO Carson #2-25 3112' KB 1230' FSL, 435' FWL of 25-16-34W	2446' +666 3970' -858
LOG TOPS Depth Datum 3114' KB	2454' +664 3984' -870
SAMPLE TOPS Depth Datum 3114' KB	2455' +659 3984' -870
FORMATION	B/Anhydrite Heebner

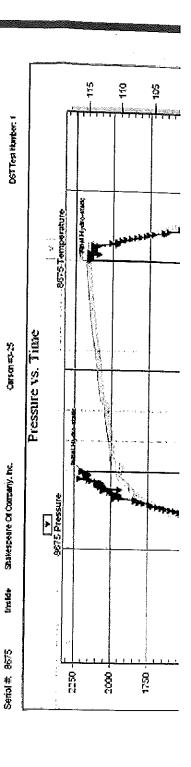
999+	-858	-874	968-	-1082	-1180	-1226	-1264	-1318	-1400	-1434	-1453	-1479	-1526	-1599	-1660	2	
2446	3970	3986	4008	4194	4292'	4338	4376	4430	4512	4546	4565	4591	4638	4711	4772	i	
+664	-870	888 888	-911	-1096	-1194	-1240	-1280	-1334	-1416	-1452	-1470	-1498	-1542	-1618	-1665	-1755	2
2454	3984'	4002	4025	4210'	4308	4354	4394	4448	4530,	4566'	4584	4612	4656	4732	4779,	4869	)
+659	-870	988	-913	-1097	-1193	-1239	-1276	-1336	-1418	-1456	-1470	-1500	-1547	-1626	-1667	-1756	) ;
2455'	3984,	4000,	4027	4211.	4307	4353	4390,	4450	4532	4570	4584,	4614	4661'	4740,	4781	4870	 
B/Anhydrite	Heebner	Toronto	Lansing	Muncie Creek Shale	Stark Shale	Hushpuckney Shale	BKC	Marmaton	Pawnee	Myrick Station	Fort Scott	Lower Cherokee Sh.	Johnson Zone	Morrow Shale	Mississippian	RTD	LTD

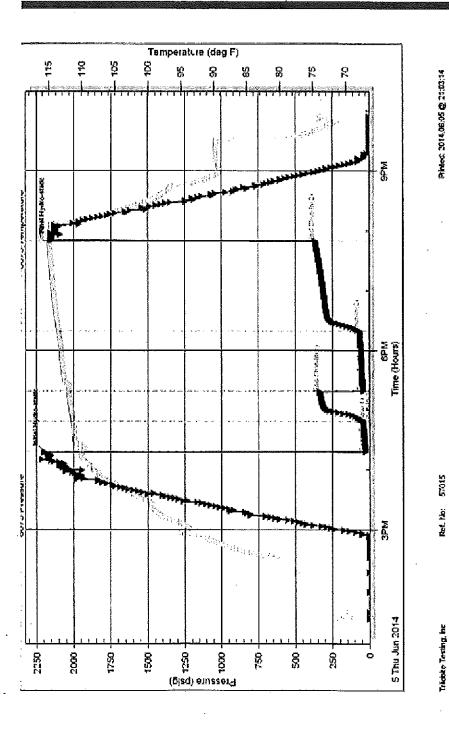
## DRILL STEM TESTS

Recovery: 388' weak GIP; 55' MCO (30m, 70o); 63' G&OCM (10g, 30o, 60m) FP: 24-40/42-64 SIP: 335-365 HP: 2193-2150 BHT: 115 deg. F DST No. 1 Marmaton Interval: 4420'-4450' Times: 30-30-60-90

FSIP: weak return blow built to 1/2 inch, FFP: weak blow built to B.O.B. in 37 IFP: weak blow built to 7 inches ISIP: no return blow minutes







## DRILL STEM TESTS

DST No. 2 Myrick Station/Fort Scott Interval: 4552'-4610' Firmes: 30-30-30-30

HP: 2223-2146 BHT: 115 deg. F Recovery: 5' mud FP: 21-25/24-27 SIP: 921-782

FSIP: no return blow FFP: no blow

IFP: weak surface blow, died in 5 minutes ISIP: no return blow

Casasta

Shakespeare Of Company, No.

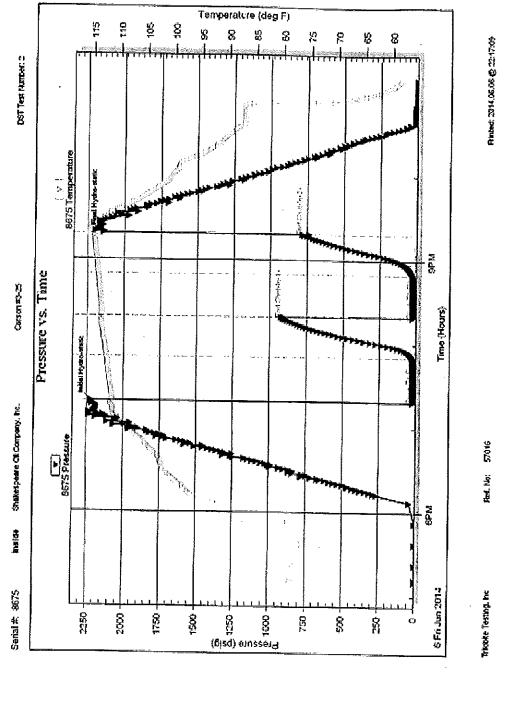
#NS | 0.0

Serial # 8675

OST Test Humber: 2

Pressure vs. Time





## DRILL STEM TESTS

DST No. 3 Johnson Zone Interval: 4640' 4720' Times: 30-30-30

Recovery: 50' mud, no shows FP: 17-28/29-39 SIP: 695-675 HP: 2292-2221 BHT: 116 deg. F

IFP: weak surface blow built to 1 inch ISIP: no return blow FFP: no blow FSIP: no return blow

Firmes: 30-30-30-30

FSIP: no return blow FFP: no blow

Recovery: 50' mud, no shows FP: 17-28/29-39 SIP: 695-675

HP: 2292-2221 BHT: 116 deg. F

Temperature (deg F) 105 011 8 8 CST Test Manber: 3 ) v | 9650 Temperature Pressure vs. Time Out 501 #3-25 Time (Hours) Outside Stakespeare-Of-Company, bc. ▼ 8650 Pressure 7 Sat Jun 2014 Serial # 8650 (pied) einzzei9 8 8 900

ROCK TYPES green shale

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Painted 2014/06/07 @ 15:37:16

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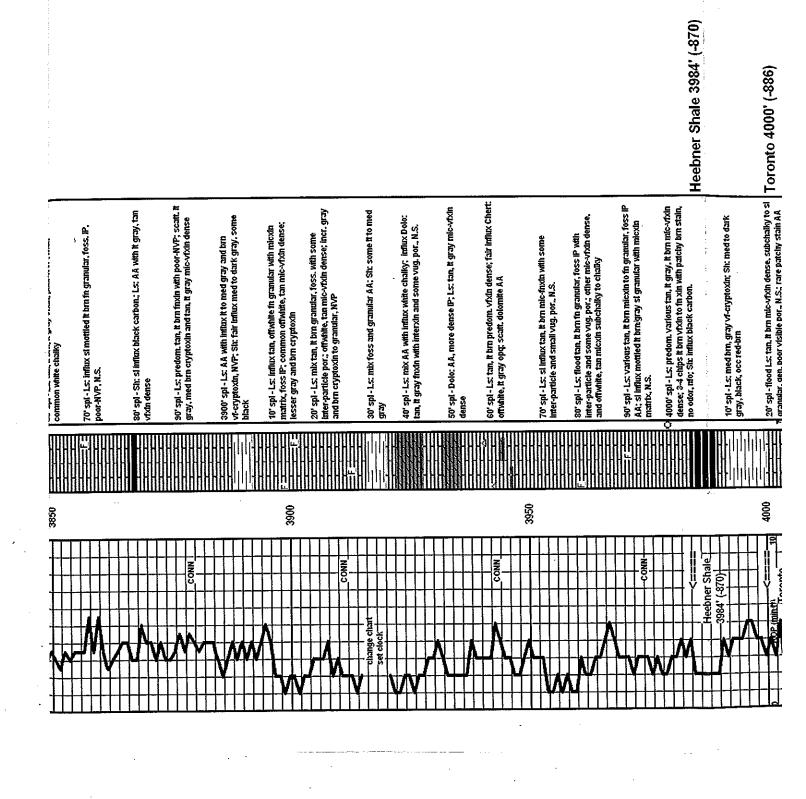
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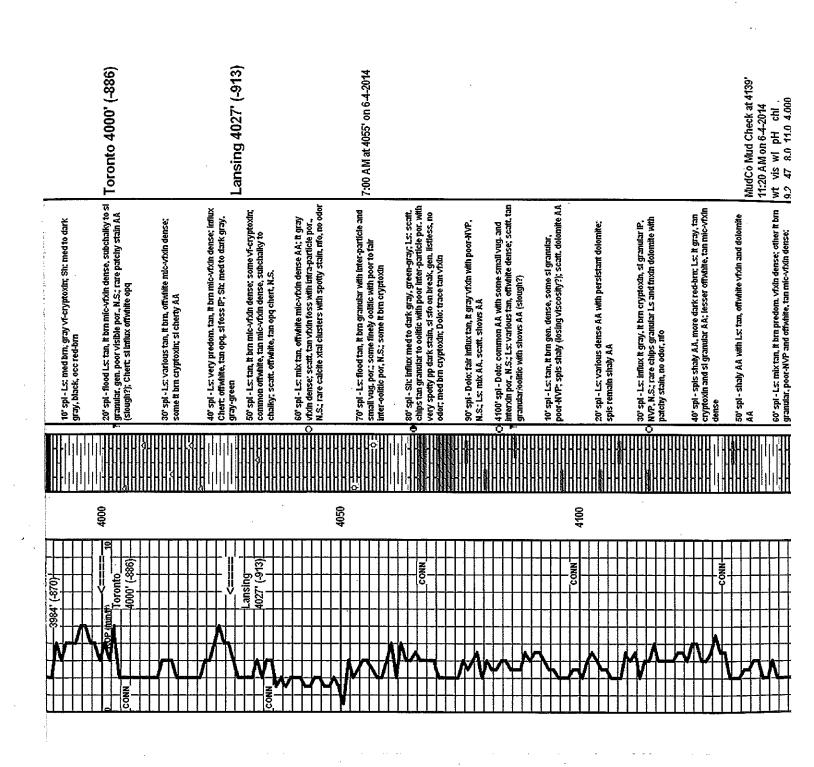
Shaly Is light dolomite

Anhy Cht

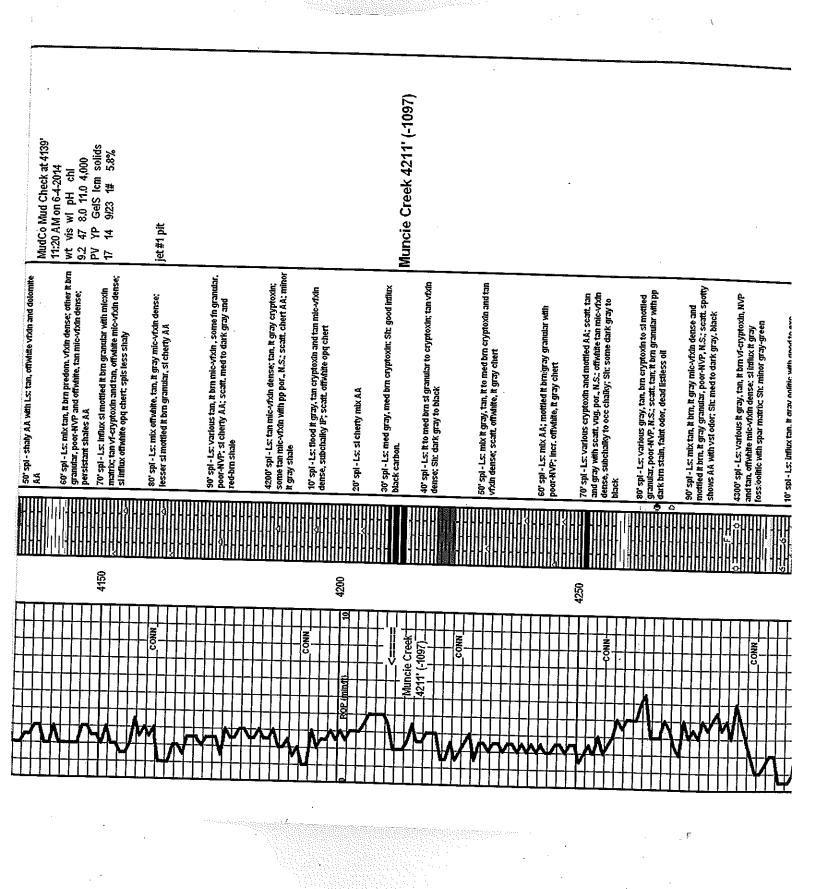


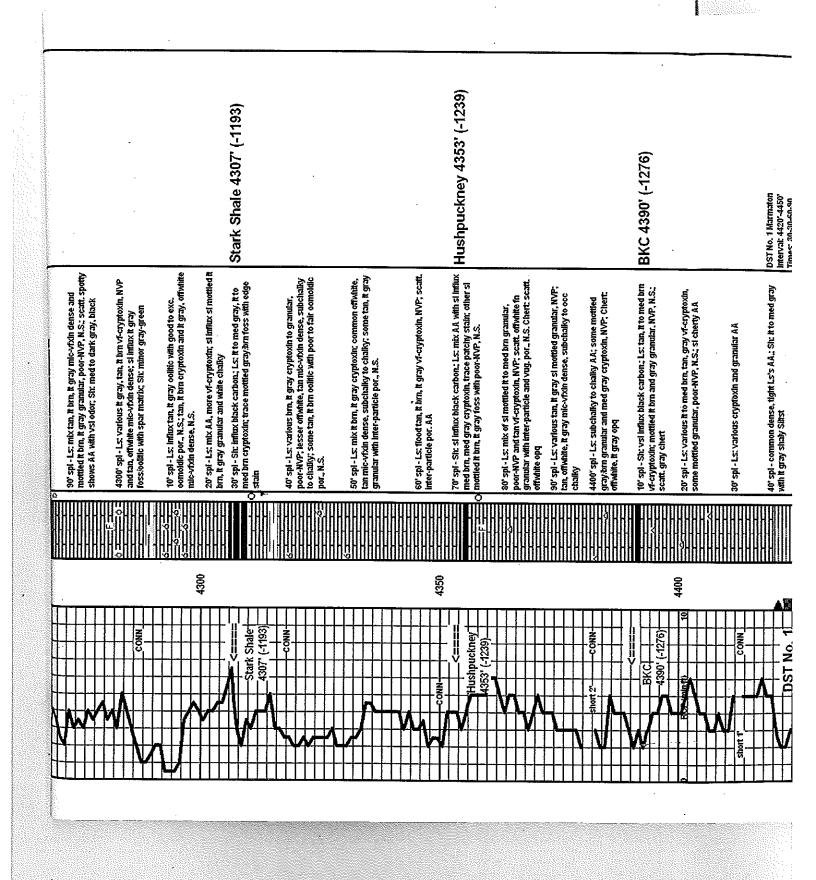
Remarks	MudCo Mud Check at 3612' 10:20 AM on 6-3-2014 wt vis wl pH chl 8.6 47 72 115 3,000 PV YP GelS Icm solids 17 13 6/17 1# 2.1%  Report Depth and Activity 5-29-2014 MiRT, Spud at 7:15 AM 5-30 WOC @ 266' 5-31 Drig, @ 1498' 6-1 Drig, @ 2485' 6-2 Drig, @ 3036' 6-3 Drig, @ 4055' 6-5 Drig, @ 4055' 6-5 Drig, @ 4663' - post DST No. 1 6-6 CFS @ 4520' 6-7 Drig, @ 4663' - post DST No. 2 6-8 Drig, @ 4800' - post DST No. 3 6-9 LDDP prepare to run 5 1/2" casing	Start 10' samples at 3800'		
Geological Descriptions	MudCo M  wt vis w  8.6 47 7  PV YP  17 13 6  Report  529-2014  530 WOC  7	10' spl - Ls: offwlite, tan, it brn mic-frixin, some pp por; some offwlite subchalky and it to med brn vf-cryptoxin, dense, NVP, N.S.; Sir med to dark gray, some black 20' spl - Ls: inflix it gray, it brn in granular, poor-NVP, N.S.; some shales AA	30' spi - L.s. it gray, tan, it brn in granular, some pp por; scatt. offwhite subchalky to chalky; other it brn, it gray mic-vfxin dense  40' spi - L.s. predom. It to med brn in granular, poor-NVP; other tan, offwhite mic-vfxin dense; Sh; some dark gray to black	50' spi - L.s. flood tan, offwhite mic-vfxin dense, subchalky IP; common white chalky; tan, it brn fn granular with some inter-particle por., N.S. 60' spi - L.s. tan, it brn, it gray vfxin, poor-NVP, N.S.; common white chalky
Fithology (ii)				
Depth	3750	88 		3850
	Popularity Control	A Soot (minut)	COOM	CONN

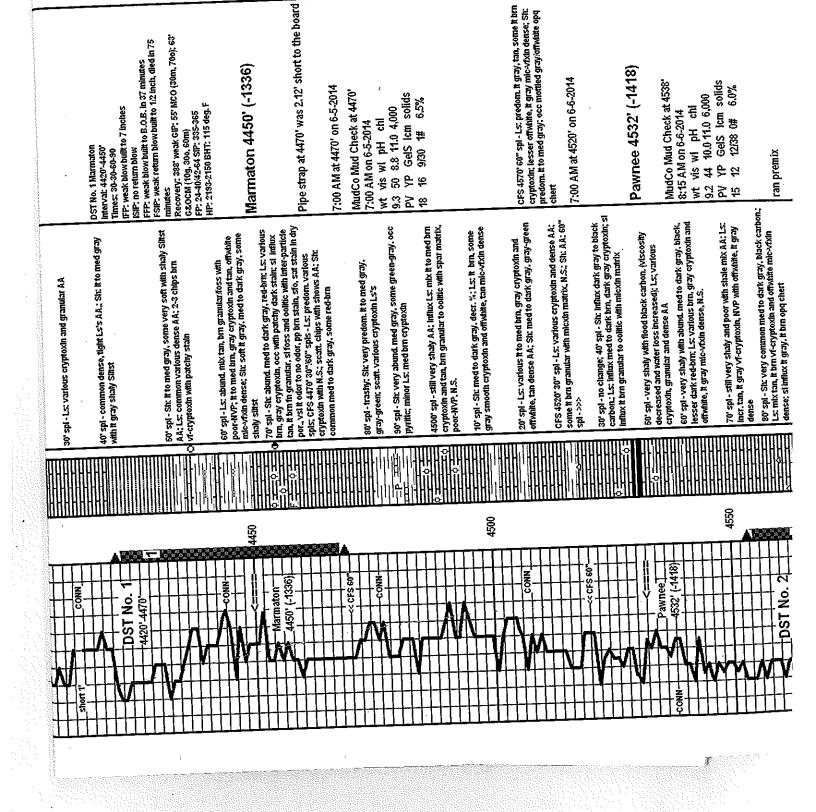


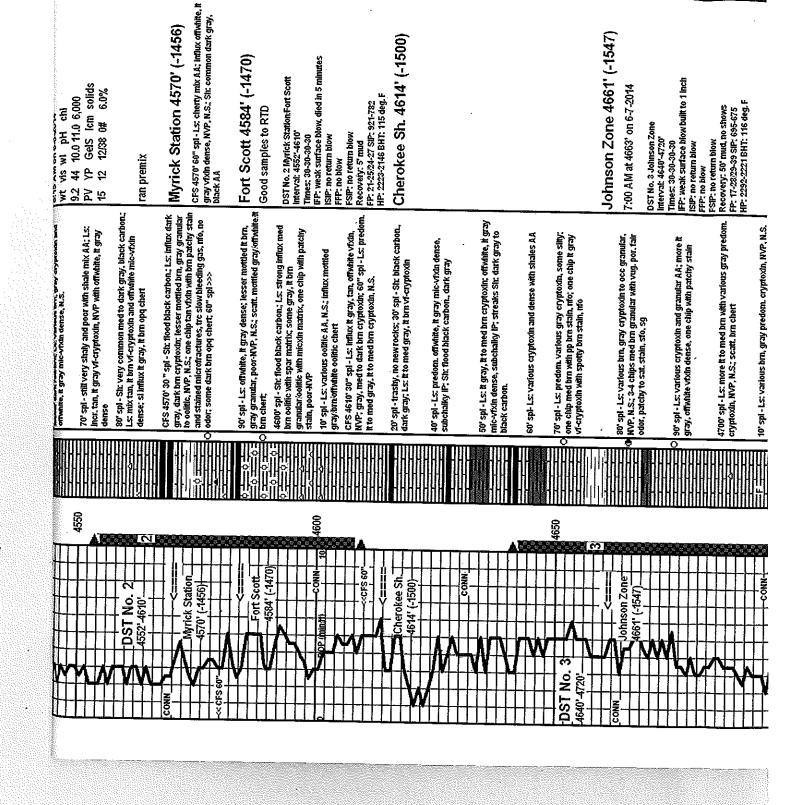


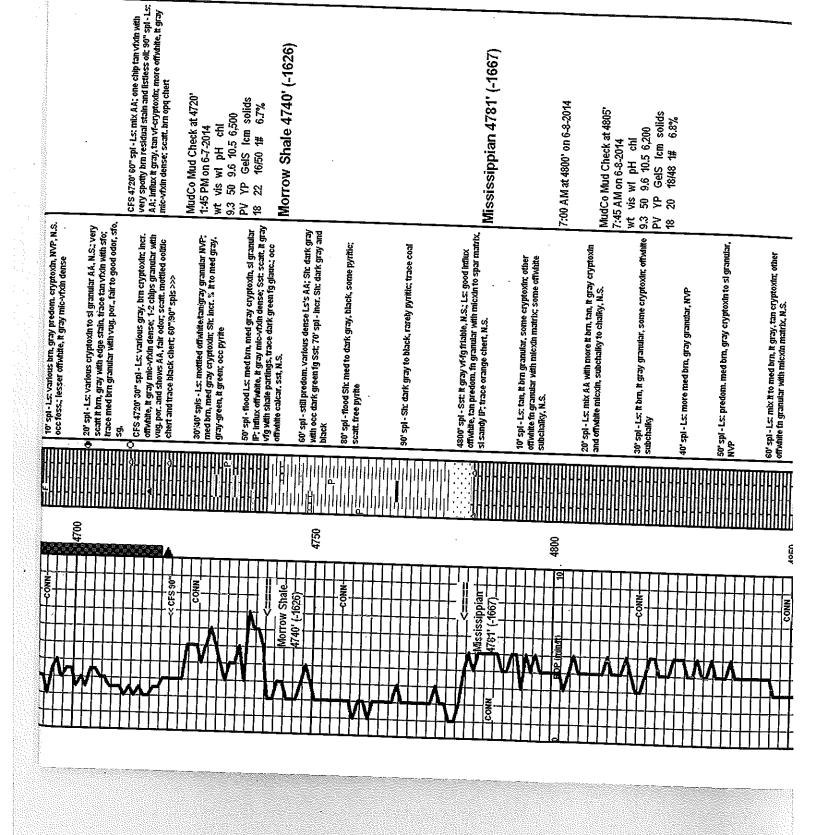
The same











NNO	**************************************	Scatt free pyrite			
		90'spl - Sht dark gray to black, rarely pyritic; trace coal		€4	
		4800' spi - Sat. It gray v6/g friable, N.S.; L.S. good influx offwate, tan predom. In granular with mickin to spar marrix, si sandy IP; trace orange chert, N.S.	Mississippian 4781' (-1667)	,	
84 084		10' spl - L.s. tan, it brn granutar, some cryptoxin; other offwhite in granular with micxin matrix; some offwhite subchally, N.S.	7:00 AM at 4800° on 6-8-2014	i	
		20° spi - Ls: mix AA with more R brn, tan, it gray cryptoxin and offwitte micxin, subchality to chalky, N.S.	MudCo Mud Check at 4805'		
NIOO		30° spl - Ls: it brn, it gray grantiar, some cryptoxin; offwhite subchalky	wt vis will photology as we have the children of the children		
		40' spl - Ls: more med bm, gray grandar, NVP			
<b>A.A.</b>		50' spl - Ls: predom. med brn, gray cryptoxin to si granular, NVP			
CONN 4850		60' spi - Ls: mix it to med brn, it gray, tan cryptoxin; other offwhite fn granular with micxin matrix, N.S.			
		70' spl • L.S. mix A.A. with good influx tan, it brn fn granular with micxin to subchalky matrix, N.S.			
		CFS 4870' spis - L.s. mix granular and cryptoxin AA			
RTD 4870' (-1756)		After review of DST's, samples and E-Logs, the decision was made to run 5 1/2" casing for production testing.	RTD reached at noon on 6-8-2014 CFS/CTCH 90" - drop survey - TOFL Loggers on bottom at 5:30 PM		
		Respectfully submitted,			
4900		Wesley D. Hansen Petroleum Geologist Kansas License No. 418			
				·	