KOLAR Document ID: 1530723

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
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.:	
Name:		Spot Description:	
Address 1:			est
Address 2:		Feet from North / South Line of Sect	tion
City: State:	++	Feet from East / West Line of Sect	tion
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-Entr	y Workover	Field Name:	
] SWD	Producing Formation:	
Gas DH] SWB] EOR	Elevation: Ground: Kelly Bushing:	
	GSW	Total Vertical Depth: Plug Back Total Depth:	
CM (Coal Bed Methane)	_	Amount of Surface Pipe Set and Cemented at: F	eet
	ol., etc.):	Multiple Stage Cementing Collar Used? Yes No	
If Workover/Re-entry: Old Well Info as		If yes, show depth set: F	eet
Operator:		If Alternate II completion, cement circulated from:	
Well Name:		feet depth to:w/sx c	cmt.
Original Comp. Date:			
Deepening Re-perf. Plug Back Liner	Conv. to EOR Conv. to SWD Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)	
□ O		Chloride content:ppm Fluid volume:b	bls
_ •	rmit #:	Dewatering method used:	
	rmit #: rmit #:		
	rmit #:	Location of fluid disposal if hauled offsite:	
	rmit #:	Operator Name:	
33		Lease Name: License #:	
Spud Date or Date Reached	Completion Data co	Quarter Sec TwpS. R	/est
Recompletion Date	d TD Completion Date or Recompletion Date	Countv: 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 Drill Stem Tests Received							
Geologist Report / Mud Logs Received							
UIC Distribution							
ALT I II Approved by: Date:							

KOLAR Document ID: 1530723

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	rpS	S. R	Eas	st West	County:					
	l, flowing an	d shut-in pres	sures, wh	ether shut-in pre	ssure reached	static	level, hydrostat	ic pressures, bo		val tested, time tool erature, fluid recovery,
Final Radioactivi files must be sub							gs must be emai	led to kcc-well-l	ogs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests (Attach Addit)		Yes No		Lo		n (Top), Depth a		Sample
Samples Sent to	Geological	Survey		Yes No		Name			Тор	Datum
Cores Taken Electric Log Run Geologist Report List All E. Logs F	t / Mud Log	s		Yes No Yes No Yes No						
			Rep	CASING	RECORD [Nev		on, etc.		
Purpose of St	tring	Size Hole Drilled		Size Casing let (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	CEMENTING /	SQUE	EEZE RECORD		<u>'</u>	
Purpose: Perforate		Depth Top Bottom	Тур	pe of Cement	# Sacks Used Type and Percent Additive				Percent Additives	
Protect Ca										
Plug Off Z										
Did you perform Does the volume Was the hydraul	e of the total	base fluid of the	hydraulic	fracturing treatment		-	Yes yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Produ Injection:	ction/Injectio	n or Resumed P	roduction/	Producing Meth	od:		Gas Lift O	ther <i>(Explain)</i>		
Estimated Product Per 24 Hours		Oil	Bbls.		Mcf	Water			Gas-Oil Ratio	Gravity
DISPO	OSITION OF	GAS:		N	METHOD OF CO	MPLET	ΓΙΟΝ:			DN INTERVAL: Bottom
Vented		Used on Lease		Open Hole		Dually (Submit A		nmingled nit ACO-4)	Тор	BOLLOTTI
,	ed, Submit AC							·		
Shots Per Foot	Perforation Top	on Perfor Bott		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze and of Material Used)	
TUBING RECORI	D: S	Size:	Set A	: -	Packer At:					

Form	ACO1 - Well Completion					
Operator	Darrah Oil Company, LLC					
Well Name	YOUNKIN 1-35					
Doc ID	1530723					

All Electric Logs Run

Sonic
comp density/neutron
dual induction
micro

Form	ACO1 - Well Completion					
Operator	Darrah Oil Company, LLC					
Well Name	YOUNKIN 1-35					
Doc ID	1530723					

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	24	268	Class A	3% cc 2% gel



Well-Site Geologists

Seth Evenson

Darrah Oil

125 N. Market Suite #1425 Wichita, Kansas 67202

Software: HMG Strata Log

HMG Software LLC

PO Box 20658, Albuquerque, NM 87154 505-320-3432 www.hmgsoftwarellc.com

Operator

Darrah Oil

Well Name

Younkin #1-35

Operator Address

125 N. Market, Suite #1425 Wichita, Kansas 67202

Well Information

Field: Wildcat

Region: N. Hugoton Embayment-Anadarko Basin

Coordinates: Lat: 38.885754; Lon: -101.064186

Location: NW/SW/NW/NE of sec 35 T13S R34W

State: Logan County, Kansas API Index: 15-109-21605

Rig Operator: Murfin Drilling, Inc. #21

Ground Elevation(ft): 2813.0

KB Elevation(ft): 2824.0

Spud Date: 5/30/2020

Drilling Concluded: 6/6/2020

Darrah Oil Geologist(s):

Seth Evenson

Rig Supervisor(s):

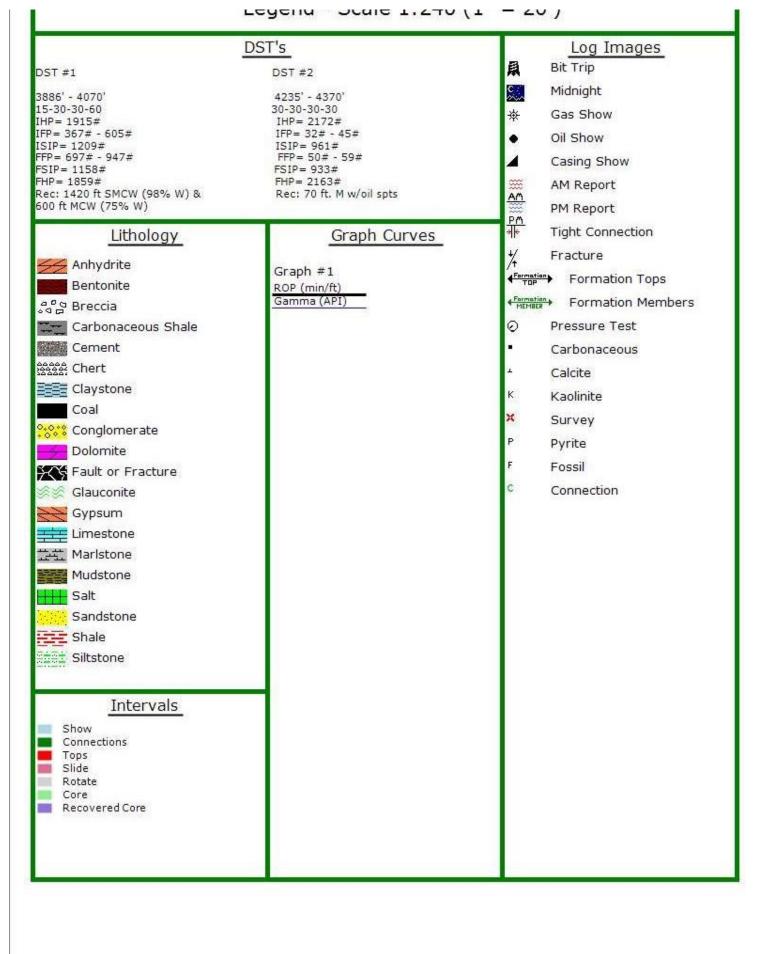
Juan Tinoco

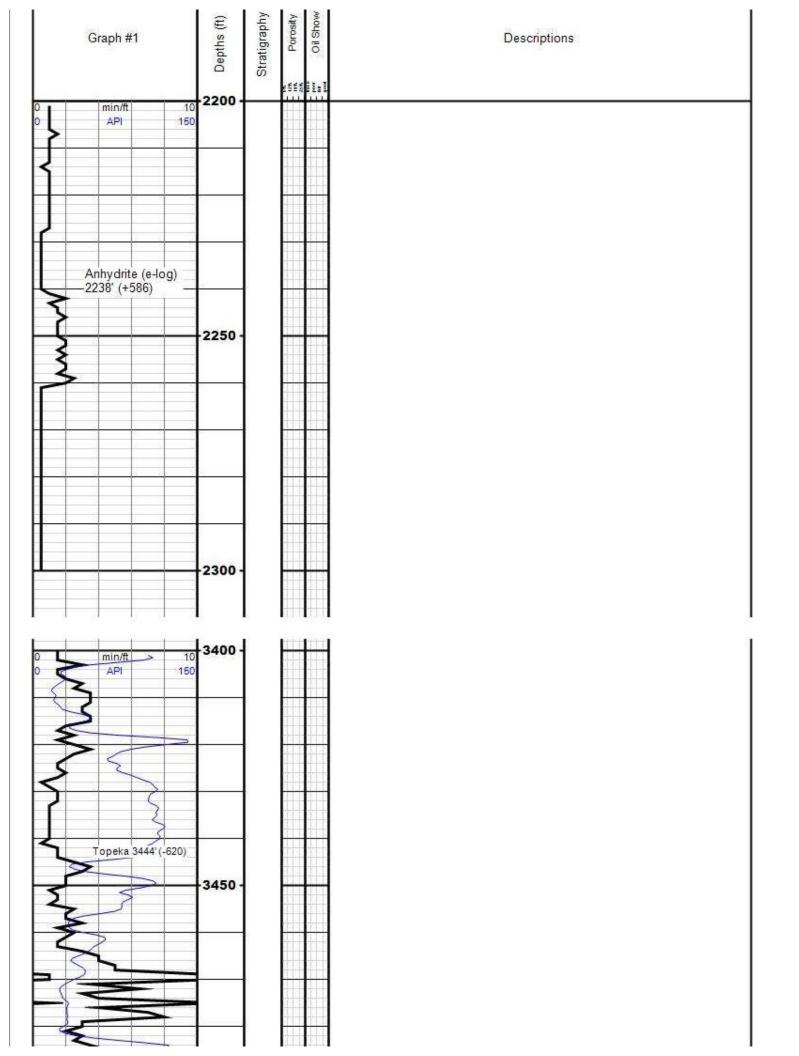
Hole Data

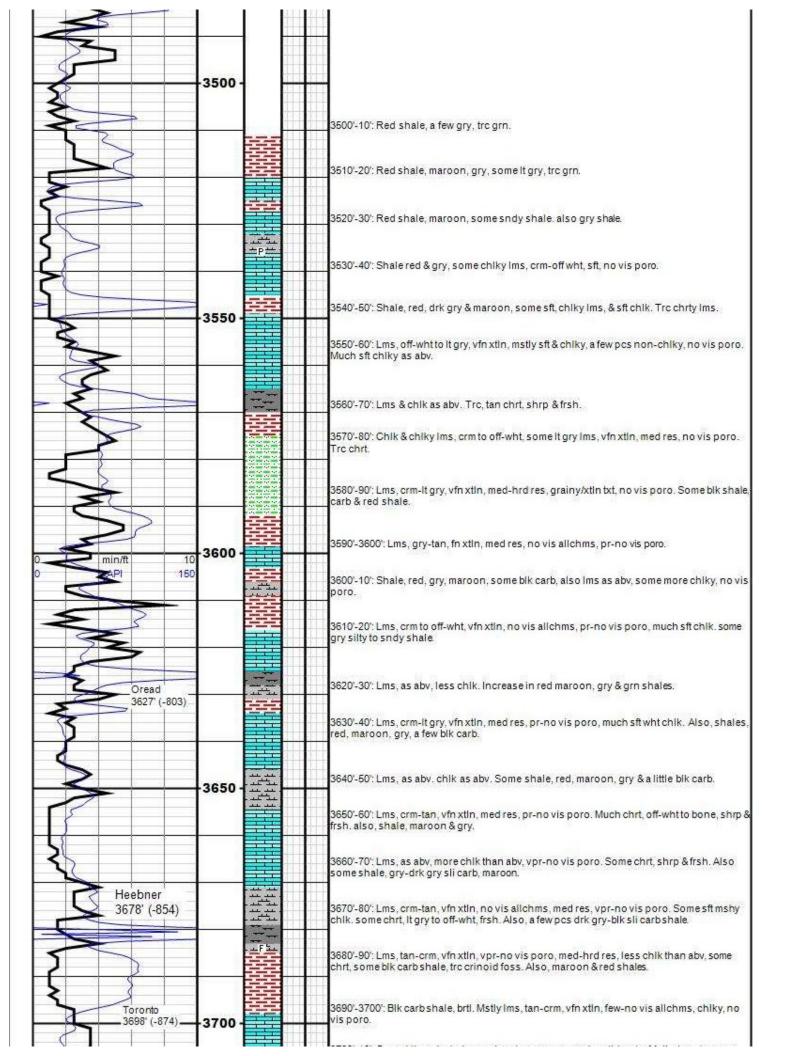
The Younkin #1-35 was plugged and abandoned as dry due to lack of oil charge or permability & porosity in zones which carried shows.

Casing Data

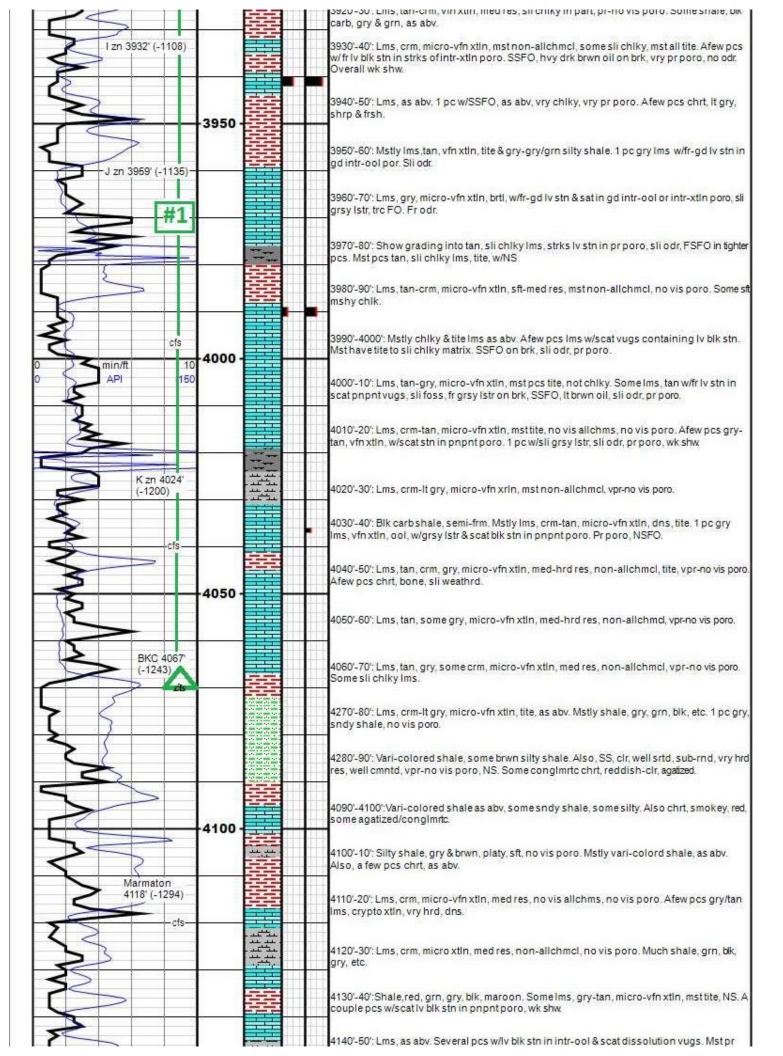
Set 8 5/8 inch surface casing @ 268 ft. with 165 sks







					3/UU-1U: Some blk carb shale, as abv, also maroon, red earthly, etc. Mstly, lms, tan-crm, vfn xtln, sli chlky, no vis poro, also some chrt, poss sli weathrd, off-wht
7					3710'-20': Lms, tan-lt gry, vfn-fn xtln, few to no vis allchms, pr poro. Much chrt, lt gry, sli
A					weathrd.
ح ا			11,11		
					3720'-30': Lms, tan, vfn xtln, mst as abv, w/no vis allchms, more sft chlky than abv. 1 pc foss, fr poro. NS. Mst no vis poro. Increase in maroon & grn shale.
	Lansing	i i			
	3731' (-907)				
					3730'-40': Lms, crm-lt gry, much sft chiky ims, no vis poro. Also, shale as abv.
130	P		144		3740'-50': Lms, crm, vfn xtln, med res, few-no vis allchms, vpr-no vis poro. Shale, red, maroon, gry, a few grn.
\S		3750			
					3750'-60': Lms, tan, vfn-microxtin, med res, mst non-allchmol, a few ooltc w/printr-xtln & pr
5					vugular poro, abndntrnd ooids, only rare vugs, NS.
5			===		
					3760'-70': Lms, tan-crm, a few pcs ool, w/NS, as abv, mstly micro-vfn xtln, dns, tite. Increase, in red, gry & maroon shale.
5		7		1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1	cfs				3770'-80': Lms crm, vfn-fn xtln, med-hrd res, few vis allchms, some sli chlky, no vis poro.
-			1211	1	Much shale, maroon, mstly red, gry & blk sli carb.
					07001 0001
>					3780'-90': Lms, crm, micro-vfn xtln, med res, mst non-allchmcl, a few ooltc w/pr-no vis poro. Some red, grn & marron shale.
2					
1					3790'-3800': Lms, crm-tan, vfn xtln, med res few-no vis allchms, no vis poro. Much shale,
0	min/ft 10	3800		+-	red earthy, maroon & gry, trc blu/grn.
0	API 150				5000 (A)
1					3800'-10': Lms, crm, med res, micro-vfn xtln, few-no allchms, no vis poro. Sli chlky. Afew pcs chrt, tan-bone, shrp &frsh.
		T.			
5	5				3810'-20': Lms, crm-tan, vfn xtln, med res, mst non-allchmcl, trc ooltc, all vpr-no vis poro. trc bone chrt. frsh.
	5		TT -	+	bone cini, iisii.
					3820'-30": Lms, crm, micro-vfn xtln, sft-med res, some sli chlky, few-no allchms, no vis poro.
1	G zn 3831' (-1007)				
18	cfs				3830'-40': Lms, tan, vfn-fn xtln, med-hrd res, some sli mealy looking, vpr-no vis poro, few-no
1					alichms, also shale, gry, red, etc.
\$	cfs		14 44 A		3840'-50': Lms, crm, vfn xtln, sft-med res, some slichlky, vpr-novis poro. Mst no allchms.
5		3850			Much shale, gry, red maroon.
7					
1			Carlo Charles		3850'-60': Lms, crm, vfn xtln, med res, few vis allchms, vpr-no vis poro. 1 pc w/crs xtln grwths.
	>		+£**+	+	3860'-70': Lms, crm, vfn xtln, mst pr-noporo, several pcs oomldc vugular lms, w/fr vugular
\ <u>\</u>	>				& printr-xtln/connected poro. Afew pcs, w/med-crs calcite xtls attached. Some loose calcite
	>				xtls, NS.
	>		11 11		
2	1		14 14 1 14 14 1		3870'-80': Lms, crm, vfn xtln, oomldc vugular, fr-gd vugular poro, mst vugs poorly connected, mineral fluor, NS. Many pcs non-oomldc/non-vuggy, tite.
			122		porter agree and the real real real real real real real rea
	>		14 14 14 14 14 14 14 14 14 14 14 14 14 1		3880'-90': Lms, crm, micro-vfn xtln, mst tite, some pcs oomldc vugular, w/shallow, prly
	V				conne vugs, pr-fr poro, NS. Increase in shales, red, grn, blk.
-					3890'-3900': Lms, crm, micro-vfn xtln, as abv. Afew pcs lms, gry, micro xtln, hrd, dns. Mst
		3900			tite, dns, NS. Some shale as abv.
		3900	莊		
3	H zn 3905' (-1081)				3900'-10': Vari-colored shales, maroon, gry, grn, red, prpl. Afew pcs conglimite chrt, red, cir, semi-transicnt. Mstly ims, crm, tite.
5					3910'-20': Blk shale, highly carb. Mstly lms, crm-lt gry, micro-vfn xtln, tite, pr-no vis poro.
8					Some chiky:
			THE PARTY		Innovanos в при



	Lucia	poro. Somefr-gd (poss slough), NSFO, wk shw. Mstly shale as abv.
41	50	
2		Augustin and the second
		4150'-60': Shale, gry, prpl, grn, red, brwn. Some lms, gry-tan, tite.
2		4160'-70': Lms, tan-gry, micro-vfn xtln, med res, few-no allchms, tite. 1 pc lms, ool w/fr lv blk
3		stn in intr-ool & intr-xtln poro, fr intr-xtln poro, has much re-xtlized calcite prsnt
	Maria Albania Maria Maria Maria Maria	
		4170'-80': Lms, gry-tan, micro-vfn xtln, med res, vpr-no vis poro.
	===	MASON DOWN I was a server of sufficient of the March of substability Commands if the substability Commands it is substability.
Pawnee 4186' (-1362)		4180'-90': Lms, crm-gry, vfn xtln, med res, tite. Much sft, wht, chlk. Some chrt, lt gry to bone, shrp & frsh.
7		
	00	4190'-4200': Lms, crm-lt gry, vfn xtln, med res, vry few-no vis allchms, tite, no vis poro. Chrt. off-wht, shrp & frsh. Some off-wht, chlk.
0 min/ft cfs 10 42	00-	
7		4200'-10': Lms, It gry, vfn xtln, med-hrd res, few-no vis allchms, no vis poro. Some blk carb shale.
15	000	
3	DOCUMENTS OF THE PROPERTY OF T	4210'-20': Lms, gry-crm, vfn xtln, med-hrd res, few-no allchms, vpr-no vis poro.
cfs		TE 10 TES. Emp. gr.y-orini, vin Xun, med-in dies, few-no anomis, vpi-no vis polo.
		10001 0011
		4220'-30": Lms, gry, crm-tan, micro-vfn xtln, med res, no vis poro. A few w/streaks pyrite.
	CONTROL DESCRIPTION OF THE PROPERTY OF THE PRO	
* V		4230'-40': Lms, gry-tan, micro-vfn xtln, med-hrd res, few-no allchms, no vis poro.
		4240'-50': Lms, gry-tan, microxtlin, med-hrd res, few-noallchms, no vis poro. Some blk carb
Ft. Scott 4247 (-1423) 42	50	shale.
4247 (-1423) 42	12:41	
		4250'-60': Lms, gry-tan, micro-vfn xtln, med-hrd res, few-no vis allchms, no vis poro. Chrt off -wht, gry, shrp & frsh. Some blk carb shale.
3		
Cfs cfs	44.44	4260'-70': No sample
	200 200	
		4270'-80': Lms, tan-gry, micro-vfn xtln, med res, few w/vis allchms, mst non-allchmcl, no vis
	200 200 200 200 200 200 200 200 200 200	poro. Someon-wit, strip wilstrent
		4280'-90': Lms, tan-gry, micro xtln, med res, tite, non-allchmcl. 1 pc w/vry rare spty lv stn in
cfs		pnt poro, vry pr poro, no odr. NSFO. Sometan-gry chrt, shrp & fish.
*		4290'-4300': Lms, crm-gry, micro xtln, med-hrd res, few-no allchms, mst all no vis poro. A
43	00	few pcs chrt, off-whtto drk gry shrp & frsh.
		100011011
		4300'-10': Lms, gry-tan-crm, micro-vfn xtln, vpr-no vis poro. Some, shrp & frsh chrt, off-wht to it gry. Blk carb shale.
3		
2		4310'-20': Lms, It gry, micro xtln, med res, tite vpr-no vis poro. Few to no allchms. Trc tan, ool lms, tite.
Johnson 4321' (-1497)	100 100 100 100 100 100 100 100 100 100	
		4320'-30': Lms, gry, tan-crm, micro xtln, med res, vpr-no vis poro. Some ratty looking lms. Some chrt, gry to off-wht, shrp & frsh.
cfs	THE REAL PROPERTY OF THE PERSON NAMED IN COLUMN 1 IN C	31, 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		4330'-40': Lms, gry, micro xtln, med res, tite. 1 pc, w/wk shw lv stn, in rare scat dissolution vugs, fr grsy lstr on brk, no odr, NSFO, vry pr poro.
		regarded for a second to a second to be a second to the se
		4340'-50'; Lms, brwn, crypto xtln, tite, no poro. Mstly lms, gry, fn xtln, med res, few-no
43	50	allchms, tite. Trc crm, ool lms, vpr-no vis poro.
		4350'-60': Lms, gry-crm, micro-vfn xtln, med res, vpr-no vis poro. Mstly non-allchmd.
	CONTRACTOR DESCRIPTION	
	200 mag 40	4380'-70' I ms are same orm micro-counts vila med-hadres few allohms tite das no vis

		poro.
3		
7	14 14 14 14 14 14 14 14	4370'-80': Lms, gry, crm, off-wht, micro-xtln, med res, no vis poro. Some shale, gry, blk carb, maroon, reddish brwn. 1 clst gry SS, hrd res, pr poro, NS.
3		4380'-90': Shale, gry, red, blk carb, grn, maroon. 1 pc grn, shaley lms, conglmrt. Foss, chrt.
Morrowan		brwn-gry. Trc brwn/gry conglmrtc SS, shaley, ratty, vpr-no vis poro, NS.
4390' (-1566)		4390'-4400': Mstly Ims, crm-gry, microxtln, med res, platy, no vis poro. Several pcs, conglmrtc SS, silicified cistrs to crs sndy shale, all no vis poro. Some shale, as abv.
0 API 150		4400'-10': Lms, crm-tan-gry, micro-vfn xtln, no vis poro. Much shale gry, grn maroon, some
cfs	- 基本	brick red.
2	0.000	4410'-20': Lms, tan, gry, some crm, micro-xtln, med-hrd res, no vis poro. Some chrt, drk gry, shrp & frsh.
Ž cfs	00.000 00.000 00.000	4420'-30': Congimrt, mottled chrt & Ims, vari-colord. Silicified shale. Acouple pcs, It gm congimrtc chrt. Also, off-wht SS, as abv, firm. pr poro, NS.
Miss 4439' (-1615)		4430'-40'. Lms, tan, micro-vfn xtln, med res, mst non-allchmcl, a few ooltc, all vpr-no vis poro. Some chrt, lt gry, shrp & frsh.
4450		4440'-50': Lms, tan, micro-xtln, med res, few-no vis allchms. Afew pcs w/strks pyrite, all vpr -no vis poro. Some chrt, off-wht, shrp&frsh. Much blk&drk gry shale.
cfs	PPT	4450'-60': Lms, tan, gry & brwn, crypto-microxtln, med-hrd res, all novis poro: Also, chrt, drk brwn to off-wht, shrp & frsh. 1 pc xtln pyrite.
1		4460'-70': Lms, off-wht to crm, some It gry, micro-xtln, some sli sndy lms, as abv. Some chlky lms, no vis poro.
}		4470'-80': Lms, It gry to crm, micro-vfn xtln, med res, some pcs crm, sli ooltc, all vpr-no vis poro. Chrt, tan-bone, shrp & frsh.
\$		4480'-90'. Lms, crm-gry, micro-vfn xtln, med res, no vis poro. Some sndy lms, as abv. Chrt, gry, shrp & frsh.
4500		4490'-4500': Lms, lt gry-crm, micro-xtln, med res, no vis poro. Some sndy, sli chlky lms.
7		4500'-10': Lms, crm, sndy, micro xtln, sft-med res, sli chlky matrix. Also, lms, lt gry, non- allchmcl, all no vis poro.
		4510'-20': Lms, crm-lt gry, sndy, mst vfn grained grading into more fn grained highly sndy. Also, lms, gry, crypto-micro xtln, some sli ooltc, vpr-no vis poro. Afew pcs chrt, fish.
RTD= 4530 ft.		4520'-30'∵No sample.
LTD= 4530 ft.		



Darrah Oil Co, LLC

Younkin 1-35

Younkin 1-35

Unit No:

125 N Market Ste 1425

Ste 1425 Wichita. Ks 67202

Job Ticket: 66199

DST#: 1

ATTN: Seth Evenson

Test Start: 2020.06.04 @ 06:51:00

78

Reference Elevations:

GENERAL INFORMATION:

Formation: LKC- H-L

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

Time Tool Opened: 09:13:00 Time Test Ended: 14:17:00

Interval:

3886.00 ft (KB) To 4070.00 ft (KB) (TVD)

Total Depth: 4070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Tester: Bradley Walter

2824.00 ft (KB)

2813.00 ft (CF) KB to GR/CF: 11.00 ft

Serial #: 8319 Outside

Press@RunDepth: 947.28 psig @ 3887.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2020.06.04
 End Date:
 2020.06.04
 Last Calib.:
 2020.06.04

 Start Time:
 06:51:05
 End Time:
 14:16:59
 Time On Btm:
 2020.06.04 @ 09:12:15

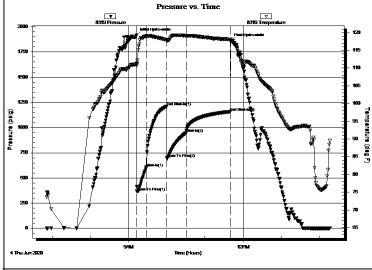
 Time Off Btm:
 2020.06.04 @ 11:40:30

TEST COMMENT: 15- IF: BOB @ 1 min- 140" blow.

30- ISI- No return.

30- FF- BOB @ 1 min- 130" blow

60- FSI- No return.



	PRESSURE SUIVIIVIART											
	Time	Pressure	Temp	Annotation								
	(Min.)	(psig)	(deg F)									
	0	1915.03	111.31	Initial Hydro-static								
	1	366.92	111.24	Open To Flow (1)								
	16	605.35	119.00	Shut-In(1)								
.	48	1208.77	117.92	End Shut-In(1)								
	48	697.47	117.71	Open To Flow (2)								
	78	947.28	119.11	Shut-In(2)								
,	148	1157.62	118.07	End Shut-In(2)								
,	149	1859.27	118.12	Final Hydro-static								

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
1420.00	smcw 2m 98w	17.71
600.00	mcw 25m 75w	8.42

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

Gas Rates

Trilobite Testing, Inc Ref. No: 66199 Printed: 2020.06.04 @ 14:39:17



Darrah Oil Co, LLC

Younkin 1-35

125 N Market

Younkin 1-35

Ste 1425

Job Ticket: 66199

Wichita, Ks 67202

Test Start: 2020.06.04 @ 06:51:00

DST#: 1

2813.00 ft (CF)

ATTN: Seth Evenson

GENERAL INFORMATION:

Formation: LKC- H-L

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

Time Tool Opened: 09:13:00 Time Test Ended: 14:17:00

Interval: 3886.00 ft (KB) To 4070.00 ft (KB) (TVD)

Total Depth: 4070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Tester: **Bradley Walter** Unit No:

78

Reference Elevations: 2824.00 ft (KB)

> KB to GR/CF: 11.00 ft

Serial #: 8845

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

Start Date: 2020.06.04 End Date: 2020.06.04 Last Calib.: 2020.06.04

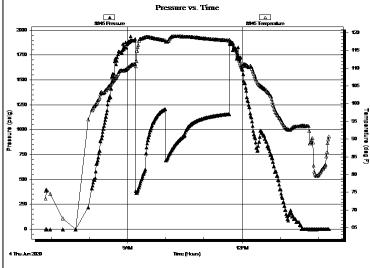
Start Time: 06:51:05 End Time: Time On Btm: 14:16:59 Time Off Btm:

TEST COMMENT: 15- IF: BOB @ 1 min- 140" blow.

30- ISI- No return.

30- FF- BOB @ 1 min- 130" blow

60- FSI- No return.



RY

_				
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
_				
ā				
Temperature (deg F)				
2				
J				

Recovery

Length (ft)	Description	Volume (bbl)
1420.00	smcw 2m 98w	17.71
600.00	mcw 25m 75w	8.42
L		

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc. Ref. No: 66199 Printed: 2020.06.04 @ 14:39:17



FLUID SUMMARY

Darrah Oil Co, LLC Younkin 1-35

125 N Market Younkin 1-35

Ste 1425 Wichita. Ks 67202 Job Ticket: 66199 **DST#:1**

ATTN: Seth Evenson Test Start: 2020.06.04 @ 06:51:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API

Viscosity: 49.00 sec/qt Cushion Volume: bbl

Water Loss: 7.99 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 5000.00 ppm
Filter Cake: 1.00 inches

Recovery Information

Recovery Table

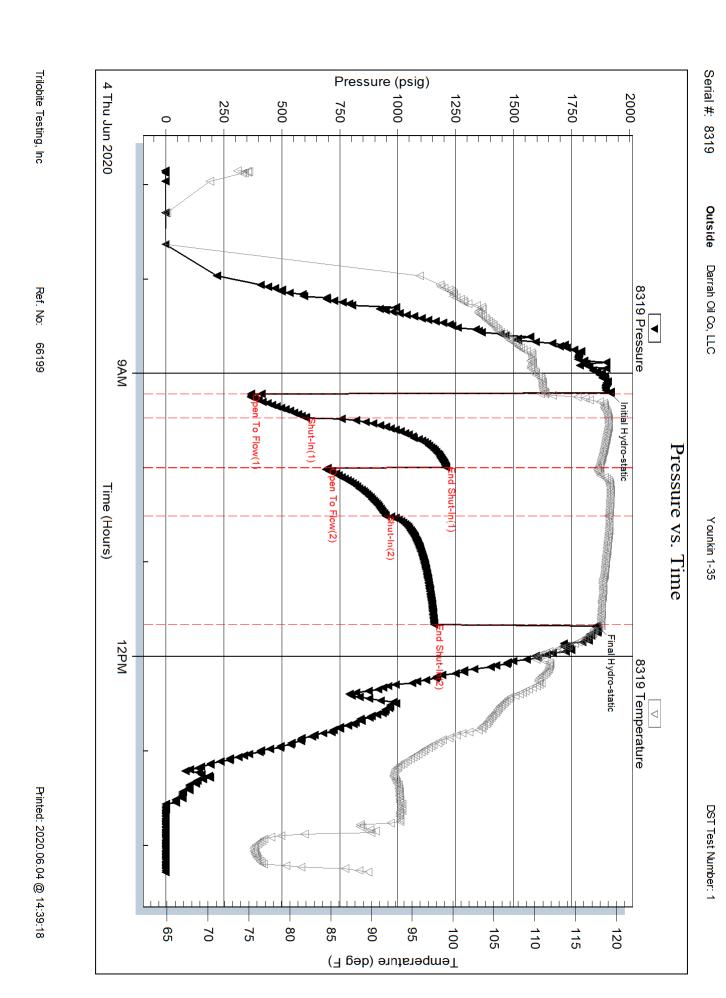
Length ft	Description	Volume bbl
1420.00	smcw 2m98w	17.714
600.00	mcw 25m 75w	8.416

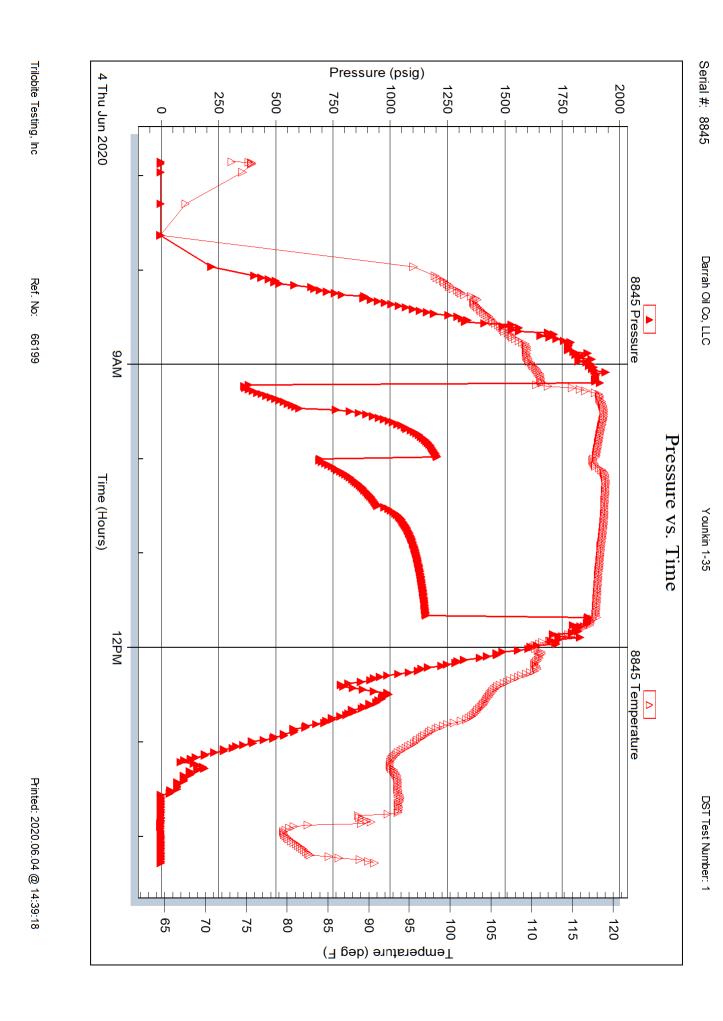
Total Length: 2020.00 ft Total Volume: 26.130 bbl

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

Laboratory Name: Laboratory Location: Recovery Comments: rw is .128 @ 84F= 49000ppm

Trilobite Testing, Inc Ref. No: 66199 Printed: 2020.06.04 @ 14:39:18







Darrah Oil Co, LLC

Younkin 1-35

Younkin 1-35

125 N Market Ste 1425

Job Ticket: 66200

DST#: 2

Wichita, Ks 67202 ATTN: Seth Evenson

Test Start: 2020.06.05 @ 14:19:00

GENERAL INFORMATION:

Formation: Ft Scott- Cherokee

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

Time Tool Opened: 16:31:00 Time Test Ended: 21:05:00

Interval: 4235.00 ft (KB) To 4370.00 ft (KB) (TVD)

Total Depth: 4370.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Tester: Bradley Walter

Unit No: 78

2824.00 ft (KB)

Reference Elevations:

2824.00 ft (KB) 2813.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8319 Outside

Press@RunDepth: 59.35 psig @ 4236.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2020.06.05
 End Date:
 2020.06.05
 Last Calib.:
 2020.06.05

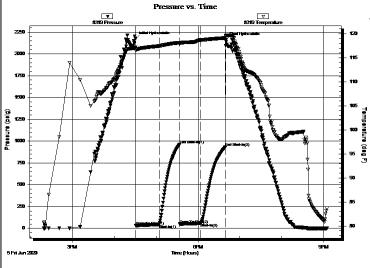
 Start Time:
 14:19:05
 End Time:
 21:04:59
 Time On Btm:
 2020.06.05 @ 16:30:45

Time Off Btm: 2020.06.05 @ 18:40:00

PRESSURE SUMMARY

TEST COMMENT: 30- IF- Surface blow.

30- ISI: No return. 30- FF- No blow . 30- FSI- No return.



	FRESSURE SUIVIIVIANT			
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2171.91	117.15	Initial Hydro-static
	1	32.47	116.55	Open To Flow (1)
	34	45.52	117.42	Shut-In(1)
	63	960.97	118.13	End Shut-In(1)
	63	50.53	117.80	Open To Flow (2)
	93	59.35	118.68	Shut-In(2)
	129	933.41	119.10	End Shut-In(2)
,	130	2163.41	119.52	Final Hydro-static

Cac Datas

Recovery

Length (ft)	Description	Volume (bbl)		
70.00	Mud 100m (oil spots)	0.34		
* Recovery from multiple tests				

Odo Mateo			
	Choka (inahaa)	Drocouro (poig)	Coo Boto (Mof/d)

Trilobite Testing, Inc Ref. No: 66200 Printed: 2020.06.05 @ 22:44:07



Darrah Oil Co, LLC

Younkin 1-35

Younkin 1-35

125 N Market Ste 1425

Job Ticket: 66200

DST#: 2

Wichita, Ks 67202 ATTN: Seth Evenson

Test Start: 2020.06.05 @ 14:19:00

GENERAL INFORMATION:

Formation: Ft Scott- Cherokee

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

Time Tool Opened: 16:31:00 Tester: Bradley Walter

Time Test Ended: 21:05:00 Unit No: 78

Interval: 4235.00 ft (KB) To 4370.00 ft (KB) (TVD) Reference ⊟evations: 2824.00 ft (KB)

Total Depth: 4370.00 ft (KB) (TVD) 2813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8845 Inside

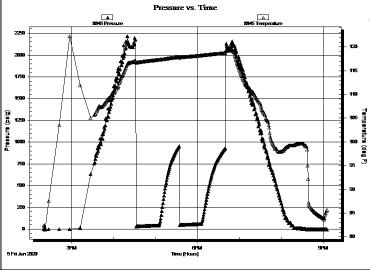
 Press@RunDepth:
 psig
 @
 4236.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2020.06.05 End Date: 2020.06.05 Last Calib.: 1899.12.30

Start Time: 14:20:05 End Time: 21:05:59 Time On Btm: Time Off Btm:

TEST COMMENT: 30- IF- Surface blow.

30- ISI: No return. 30- FF- No blow . 30- FSI- No return.



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
Temperature (den F)				
ì				
9				

Recovery

Length (ft)	Description	Volume (bbl)		
70.00	.00 Mud 100m (oil spots)			
* Recovery from multiple tests				

Gas Rates

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

Trilobite Testing, Inc Ref. No: 66200 Printed: 2020.06.05 @ 22:44:14



FLUID SUMMARY

DST#: 2

Darrah Oil Co, LLC Younkin 1-35

125 N Market Younkin 1-35

Ste 1425 Job Ticket: 66200 Wichita, Ks 67202

ATTN: Seth Evenson Test Start: 2020.06.05 @ 14:19:00

Mud and Cushion Information

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

Mud Weight: Cushion Length: 9.00 lb/gal ft Water Salinity:

Viscosity: 49.00 sec/qt Cushion Volume: bbl

Water Loss: 7.98 in³ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

5000.00 ppm Salinity: Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud 100m (oil spots)	0.344

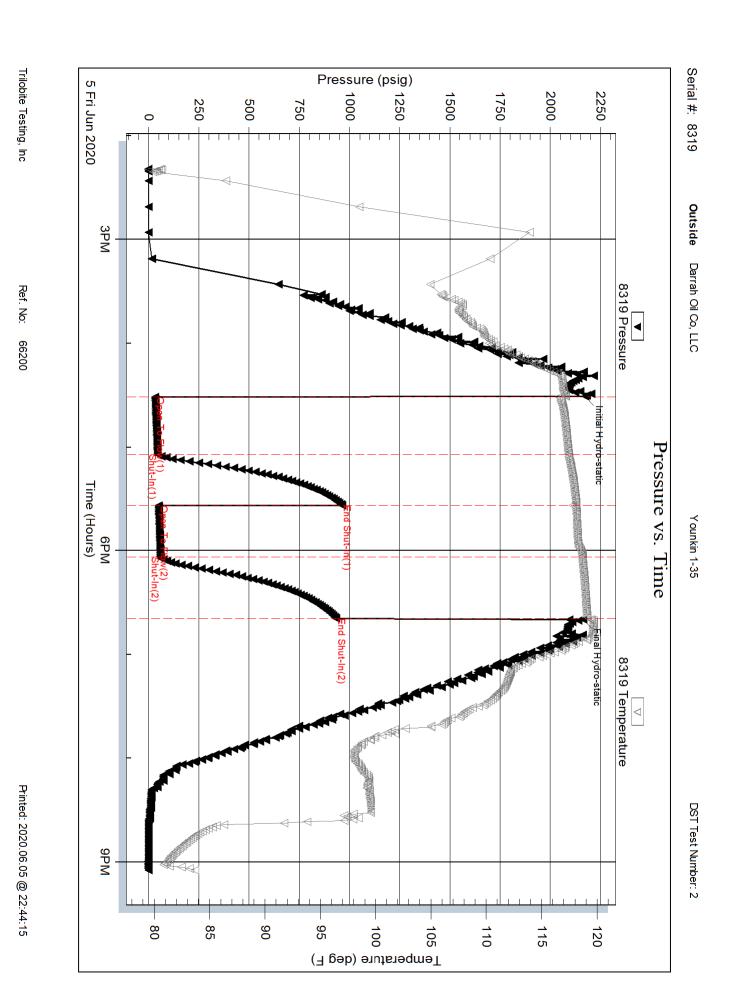
Total Length: 70.00 ft Total Volume: 0.344 bbl

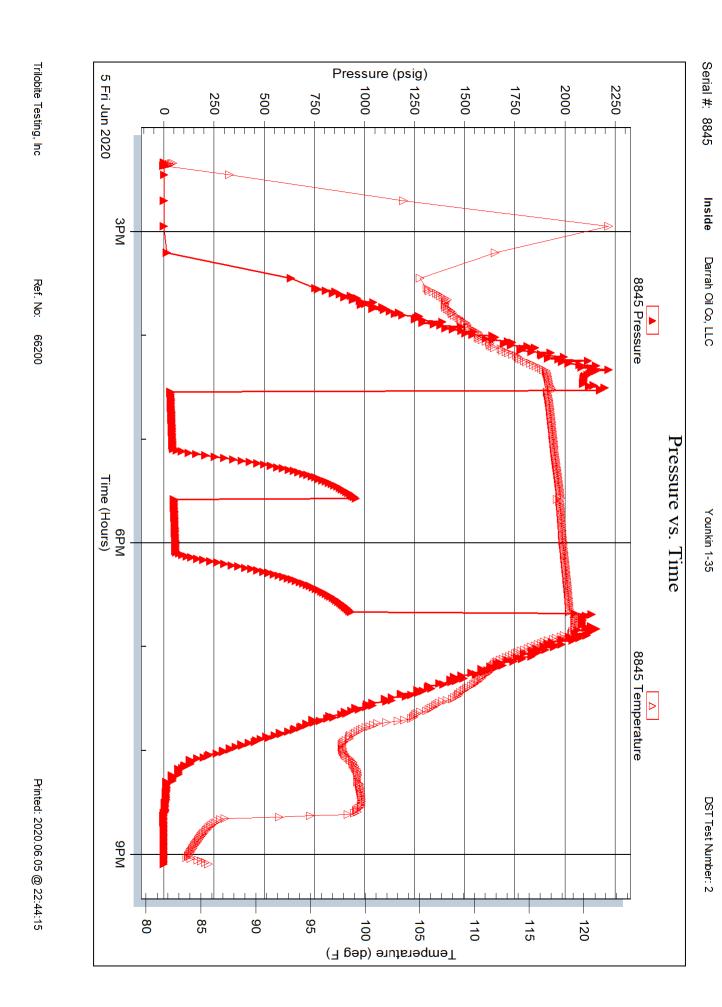
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 66200 Printed: 2020.06.05 @ 22:44:15





3613A Y Road Madison, KS 66860 Ph: 620-437-2661 Fax: 620-437-2881



104 Prairie Plaza Parkway Garnett, KS 66032 Ph: 785-448-3100 Fax: 785-448-3102

FED ID# 48-1214033

MC ID#

165290

Remit to: Hurricane Services, Inc. 250 N. Water, Suite 200

Wichita, KS 67202

Customer:

DARRAH OIL

C/O JOHN JAY DARRAH JR

PO BOX 2786

WICHITA, KS 67201-2786

Invoice Date:

6/7/2020

Invoice #:

0347793

Lease Name: Well#: YOUNKIN 1-35

County JOB# LOGAN, KS ICT3634

Date/Description	HRS/QTY	Rate Total	
PTA			
H-Plug	245	10.14	2,484.30
Wooden Plug 8 5/8"	1	117.00	117.00
Light Eq Mileage	25	1.56	39.00
Heavy Eq Mileage	25	3.12	78.00
Ton Mileage-Minimum	1	310.05	310.05
Cement Pump	1	585.00	585.00

Net Invoice 3,613.35 Sales Tax 182.94 Total 3,796.29



250 N. Waler St., Suite #200 Wichita, KS 67202

HURRICANE SERVICES INC

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Hurricane Services, Inc. 250 N. Water Wichita, KS 67202 250 N. Water St., Suite #200 Wichita, KS 67202



HURRICANE SERVICES INC

Customer	Darrah Oil Comp	any LLC	Lease & V	Vell C Younk	in #1-35				Date	5/:	30/2020
Service District	Oakley KS	terroreriansparaceus personal resource con Arab	County &	State Logar		Legals S/T/R	35-13-	ISW	Job #		MARKET AN ANY CONCANDED TO COMMUNICATION
Job Type	Surface	☑ PROD	□ INI	□ sw	D /	New Well?	2 YES	□ No	Ticket #	IC	T 3592
Equipment #	Driver			Jot	Safety A	nalysis - A Discuss	ion of Hazards	& Safety P	racedures		
73	Josse Jones	(2) Hard hat		☑ Glo	ves		☐ Lockout/Tag	out	☐ Warning Signs	s & Flagging	
73	Josh Mosier	HZS Monit	ior	☑ Eye	Protection		Required Fer	rrits	☐ Fall Protection		
230	John Polley	(2) Safety Foo	twear	C) Res	piratory Pr	otection	☑ Slip/Trip/Fall	Hazards	☐ Specific Job S	equence/Exp	ectations
242	Kale Ochs	☑ FRC/Protec	ctive Clothing	☐ Add	ditional Chi	emical/Acid PPE	Dverhead Ha	izaids	Muster Point/	Medical Loca	tions
		☑ Hearing Pr	retection	Fire	Extinguls	er	☐ Additional co	oncerns or i	issues noted below		
			Control Manager Control	THE RESERVE AND ADDRESS.					WALLEY CONTROL TO THE TAXABLE PARTY.		
Product/ Service Code		P	escription			Unit of Measure	Quantity				Net Amount
M010	Heavy Equipment	Miloage		****		mi	25.00				\$70.00
M015	Light Equipmenm	t Mileaga				mi	25.00				\$35.00
c010	Cement Pump					ea	1.00	************			\$525.00
m625	Ten Mileage -Min	i.Jm				each	1.00				\$210.00
CP270	60/40/2					5×5	165.00				\$1,501.50
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due accounts shall pa affect the collection. O previously applied in	ry interest on the bala Customer hereby agre arriving at net involce	nce past due at the res to pay all fees d price. Upon reveci	rate of 1 W% per firecity or indirectly ation, the full involu- taxes, or reyalties.	menth or the mu rindurred for su ce price without	skimum ašpu ch pošection discount is k adjustments	vable by applicable sta In the event that Cust mmediately due and to	ite or federal laws: omer's occount will object to collection	in the event in HSI become Prices quater	on or befare the 30th of List necessary to emplo es delinquent, HSI has d'are estimates only ar ment, and material ult	ty an agency as the right to re- nd are good for	ndior attorney to roke any discounts 30 days from the

the accounts shall pay interest on the balance past due at the rate of 17%, per month or the maximum aboviable by applicable state or federal laws, in the event it is necessary to employ an agricy and/or anomey to affect the collection. Customer hereby appress to pay all fees describ or incurred fees such excellation of the collection of the collection of the collection. Customer hereby appress to pay all fees describ or incurred fees such excellation of the collection of the collection. Prices accepted are estimated by an animal agreement that the rate of issue. Pricing date and subject to collection. Prices accepted are estimates only and ore gasted and or standards only an expension of the pricing upon time, equipment and material attitude, or local taxes, or rejutes and stated once adjustments. Adual charges may vary deposing upon time, equipment, and material attitudely required to perform these services. Any discount is based on 30 days not payment ferms or cash. <u>DisCLAMER HOTIGE</u>: Technical data is presented in good faint, but no warranty is stated or implied. HSSI assumes no kability for advice or recommendations made concentricly the results farm the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptance candition to receive services by HSI. Likevise, the customer guarantees of future production performance. Customer represents and warrants that well and all associated equipment in acceptance candition to receive services by HSI. Likevise, the customer guarantees of future productions are received acceptance of all termiciands and stated above. and thurscare has been provided accurate well information in determining taxable services.

CUSTOMER AUTHORIZATION SIGNATURE



EMENT	TRE	ATMENT R	PORT		计算机会约是					
Custo	omer:	Darrah Oil C	ompany LLC	Well:	Younkin	#1-35	Ticket	icket: ICT 3592		
City, State:				County:	unty: Logan			5/3	0/2020	
Fleid	Rep:	Troy Gonzale	ez .	S-T-R:	35-13-	35W	Service:	Su	rface	
Down	hole l	nformation		Calculated	Slurry		Product	%/#		
Hole		12 7/8 in		Weight:	13.62 #/sx	CI	ass A	60.00	8811	
Hole D		268 ft		Water / Sx:	6.90 gal/sx	Po	Z	40.00	5874	
Casing	MICHELES 4	8 5/8 in		Yield:	1.42 ft3 / sx	Ge	1	2.00	294	
Casing D	STATES OF THE PARTY.	248 ft		Bbls / Ft.:	0.065	Ca	ici			
Tubing / I	Linen	În		Depth:	268 ft	Gy	psum			
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Tool / Pa	cker	***************************************		Excess:		Ko	ol Seal			
· ·	epth:	ſt		Total Slurry:	41.5 bbls	FI	o Seal			
Displace	ment:	16.1 bbls		Total Sacks:	165 sx	Sa	ilt (bww)			
NA								Total	14,97	
TIME	RATE	PSI BB		COMPOSE CALLS IN	Ri	MARKS				
1:30A			GOT TO LOCA	ATION						
1:35A			SAFTEY MEE	TING						
1:40A			RIG UP							
2:15A			CIRCULATION	HOLE FOR 5 MINUTES						
2:23 AM	3.3	90.0	HZO AHAEAD							
2:27A	6.3	380.0	165 SKS OF C	P070 @ 268 FT	1130					
2:43A	6,7	300.0	DISPLACE WI	TH H2O						
2:50A			PLUG DOWN							
2:55A			RIG DOWN							
3:30A			LEFT LOCATI	ON						
						440				

-1.00 (100 mg = 21	SESSION					THE RESIDENCE OF THE PERSONS AND THE PERSONS A				
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	nenter:	***************************************		73		ge Rate	Average Pressure	Total FI		
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	Bulk#1:		THE RESERVE AND ADDRESS OF THE PARTY OF THE	230						
Control :	Bulk #2:	Kale Och	5	242						

Hurricane Services, Inc. 250 N. Water Wichita, KS 67202