KOLAR Document ID: 1745686

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:	
Address 2:	Feet from North / South Line of Section
City:	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	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used? Yes No
Cathodic Other (Core, Expl., etc.):	
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: sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content:ppm Fluid volume:bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if fladica offsite.
GSW Permit #:	Operator Name:
_	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. R East West
Recompletion Date Recompletion Date	County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
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: 1745686

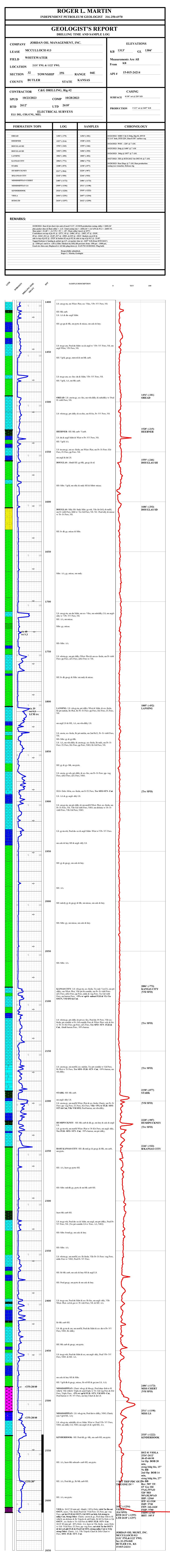
Page Two

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
Samples Sent to Geological Survey Cores Taken Electric Log Run Geologist Report / Mud Logs List All E. Logs Run:			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 Percent 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	Jordan Oil Management Inc.
Well Name	MCCULLOCH 13
Doc ID	1745686

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	10.75	8.625	23	220	Class A	150	2
Production	7.875	5.5	15.50	2607	Thick Set	130	2





DRILL STEM TEST REPORT

Jordan Oil Management Inc.

32/25/4

P.O. Box 152

Mcculloch 13 Job Ticket: 70562

DST#: 1

Haysville, KS 67060

ATTN: Roger Martin

Test Start: 2023.10.27 @ 12:35:00

GENERAL INFORMATION:

Formation: Viola

Interval:

Total Depth:

Hole Diameter:

Deviated: No Whipstock: 1315.00 ft (KB)

Time Tool Opened: 14:59:02 Time Test Ended: 21:48:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No:

Reference Bevations:

1315.00 ft (KB)

1305.00 ft (CF)

7.80 inches Hole Condition: Good

2534.00 ft (KB) To 2612.00 ft (KB) (TVD)

Outside

KB to GR/CF: 10.00 ft

Serial #: 6751

2537.00 ft (KB) Press@RunDepth: 341.74 psig @

2612.00 ft (KB) (TVD)

Capacity: Last Calib.:

psig 1899.12.30

Start Date: 2023.10.27 Start Time: 12:35:01 End Date: 2023.10.27 End Time: 21:48:47

Time On Btm: 2023.10.27 @ 14:56:32

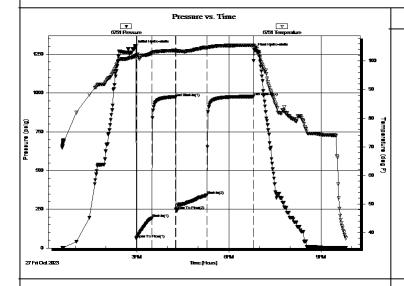
Time Off Btm: 2023.10.27 @ 18:50:17

TEST COMMENT: IF: 30 min., BOB 20 min., strong building blow, 15 inches

ISI: 45 min., no blow back

FF: 60 min., BOB 14 min., strong building blow, 27 inches

FSI: 90 min., no blow back



PRESSURE SUMMARY Pressure Temp Annotation

IIIIC	11033410	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1295.79	101.50	Initial Hydro-static
3	62.22	101.65	Open To Flow (1)
34	193.27	102.82	Shut-In(1)
80	973.46	103.63	End Shut-In(1)
81	246.01	103.37	Open To Flow (2)
141	341.74	104.52	Shut-In(2)
232	977.52	105.41	End Shut-In(2)
234	1275.92	104.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
520.00	muddy oil 50%M, 50%O	4.54
65.00	gassy oil 5%G, 95%O	0.91
.		

Gas Rates

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

Ref. No: 70562 Printed: 2023.10.28 @ 07:21:27 Trilobite Testing, Inc



DRILL STEM TEST REPORT

Jordan Oil Management Inc.

32/25/4

P.O. Box 152

Mcculloch 13

Haysville, KS 67060 Job Ticket: 70562

ATTN: Roger Martin Test Start: 2023.10.27 @ 12:35:00

GENERAL INFORMATION:

Formation: Viola

Deviated: Test Type: Conventional Bottom Hole (Initial) No Whipstock: 1315.00 ft (KB)

Time Tool Opened: 14:59:02 Time Test Ended: 21:48:47

Tester: Chris Hagman

Unit No:

DST#: 1

2534.00 ft (KB) To 2612.00 ft (KB) (TVD)

Reference Bevations:

1315.00 ft (KB) 1305.00 ft (CF)

Total Depth: 2612.00 ft (KB) (TVD) Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 6752 Press@RunDepth: Inside

psig @

2537.00 ft (KB)

Capacity: Last Calib.: psig

Start Date: 2023.10.27 End Date:

2023.10.27 21:49:02

Time On Btm:

1899.12.30

Start Time:

Interval:

12:35:01

End Time:

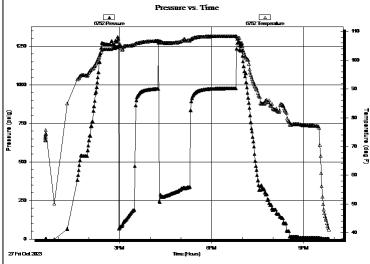
Time Off Btm:

TEST COMMENT: IF: 30 min., BOB 20 min., strong building blow, 15 inches

ISI: 45 min., no blow back

FF: 60 min., BOB 14 min., strong building blow, 27 inches

FSI: 90 min., no blow back



PRESSURE SUMMARY

1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
,				
,				

Recovery

Description	Volume (bbl)
muddy oil 50%M, 50%O	4.54
gassy oil 5%G, 95%O	0.91
	muddy oil 50%M, 50%O

Gas Rates

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

Trilobite Testing, Inc Ref. No: 70562 Printed: 2023.10.28 @ 07:21:27



DRILL STEM TEST REPORT

FLUID SUMMARY

ppm

Jordan Oil Management Inc.

32/25/4

P.O. Box 152

Mcculloch 13

Job Ticket: 70562

DST#: 1

ATTN: Roger Martin

Haysville, KS 67060

Test Start: 2023.10.27 @ 12:35:00

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: 34 deg API

Mud Weight: 9.00 lb/gal Cushion Length: ft Viscosity: 44.00 sec/qt Cushion Volume: bbl

in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: ppm Filter Cake: inches

Recovery Information

Water Loss:

Recovery Table

Length ft	Description	Volume bbl
520.00	muddy oil 50%M, 50%O	4.543
65.00	gassy oil 5%G, 95%O	0.912

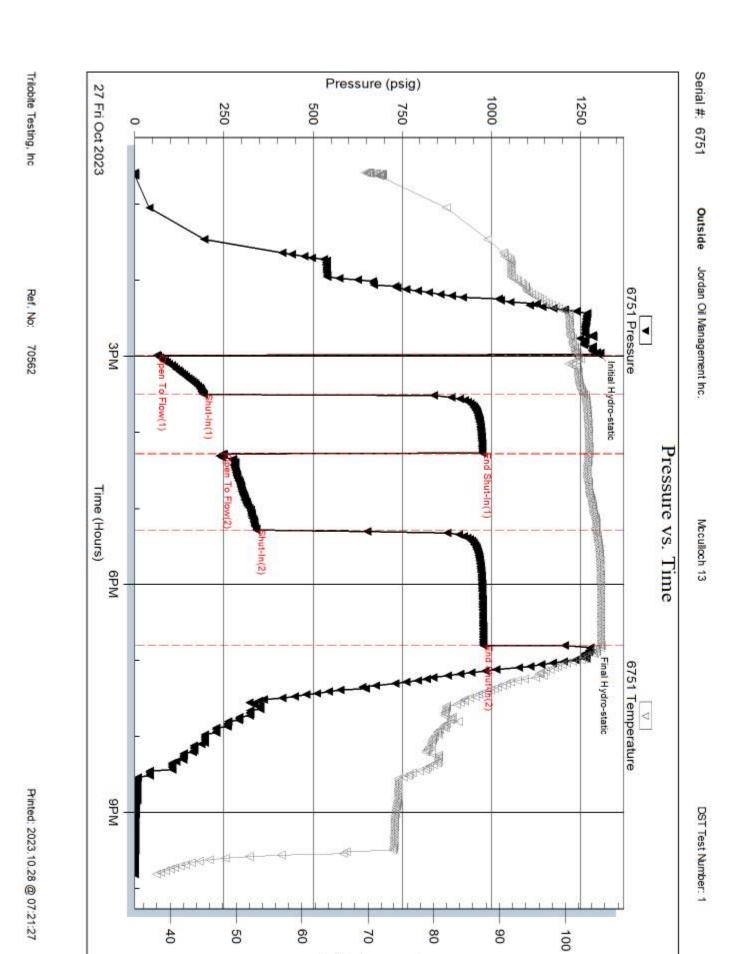
Total Length: 585.00 ft Total Volume: 5.455 bbl

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

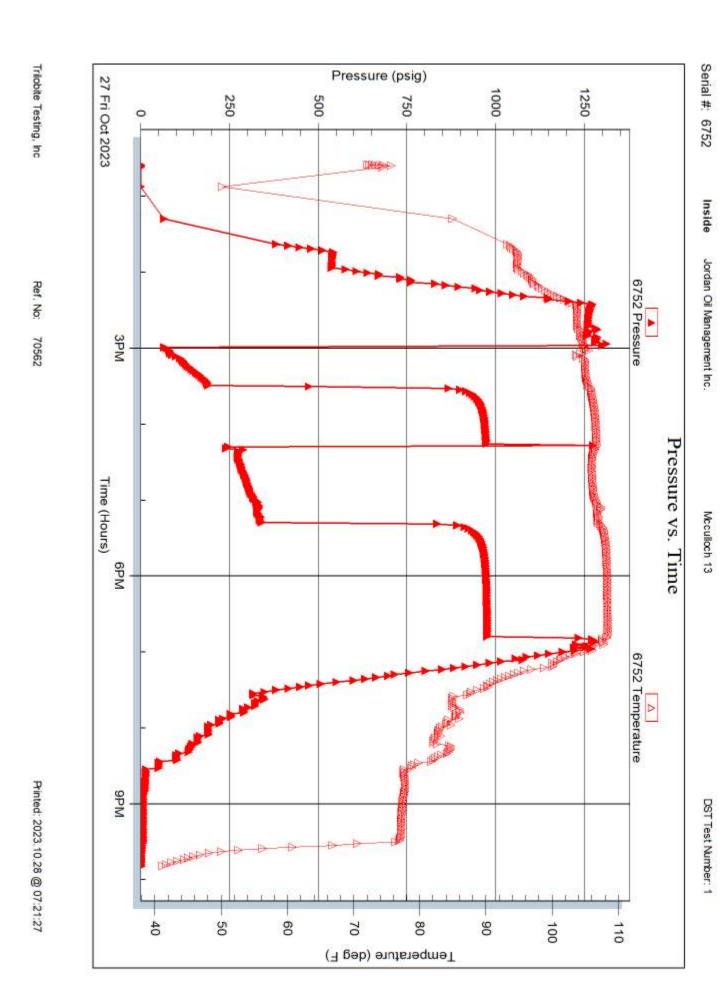
Laboratory Name: Laboratory Location:

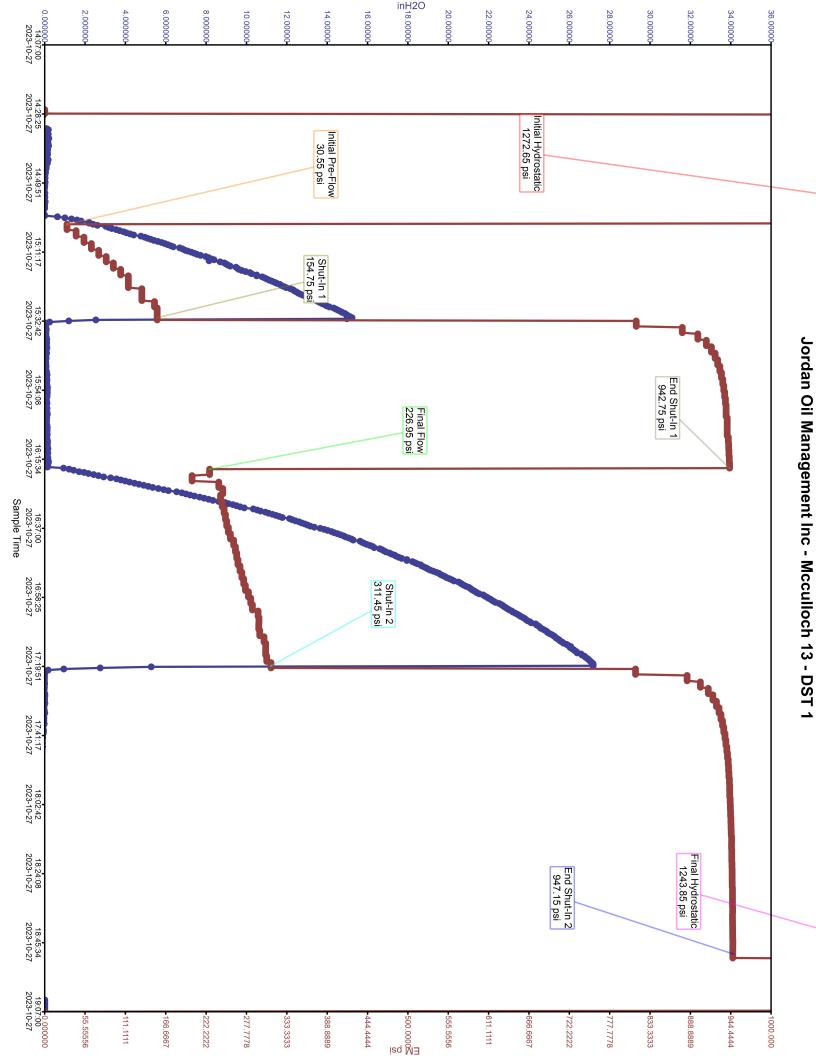
Recovery Comments:

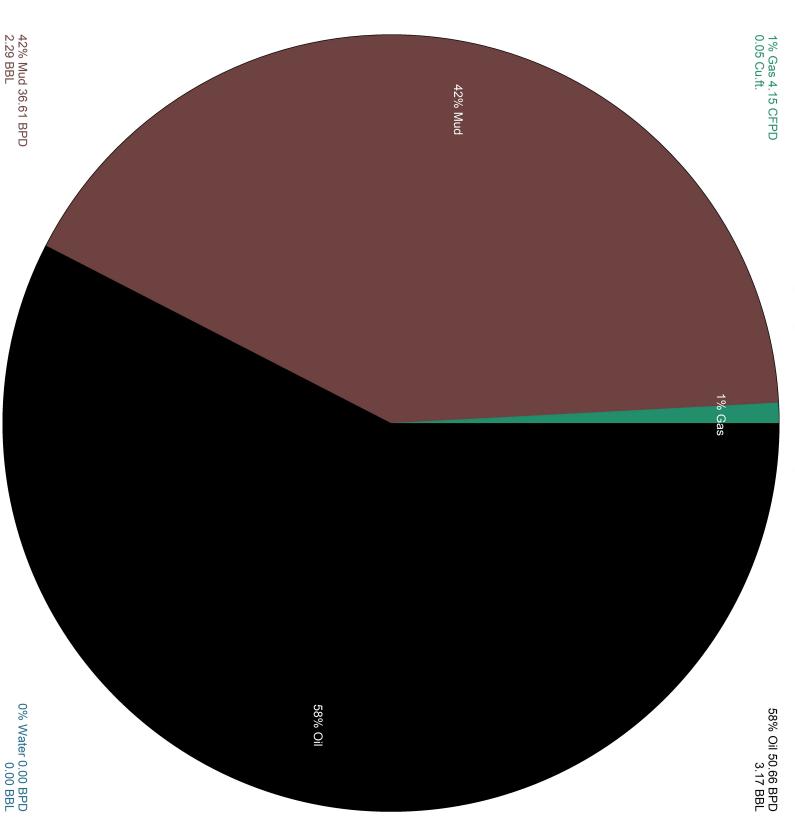
Trilobite Testing, Inc Ref. No: 70562 Printed: 2023.10.28 @ 07:21:27



Temperature (deg F)









Customer	Jordan Oil Manage	gement Inc Lease & Well # McCulloch #13						Date	10/	/23/2023	
Service District	Eureka		County & State	Butler	Legals S/T/R	32/25S/4E		Job#			
Job Type	Surface	✓ PROD	☐ INJ	SWD	New Well?	✓ YES	No	Ticket #	E	P11063	
Equipment #	Driver			Job Safety An	alysis - A Discuss	ion of Hazards	& Safety Pro	cedures			
1003	David	✓ Hard hat		✓ Gloves		Lockout/Ta	gout	Warning Sign	ns & Flagging)	
1203	Broker	✓ H2S Monitor		✓ Eye Protection		Required Pe	ermits	Fall Protection			
1210	Jake	✓ Safety Footwe	ear	Respiratory Pro	otection	✓ Slip/Trip/Fa	ll Hazards	✓ Specific Job Sequence/Expectations			
		FRC/Protectiv	e Clothing	Additional Che	emical/Acid PPE	✓ Overhead H	lazards	✓ Muster Point	:/Medical Loc	ations	
		Hearing Prote	ection			Additional concerns or issues noted below					
						mments					
				: Rig lost son			t kelly do	own. Never o	ompletel	y lost	
		circulation.	Had good ci	rculation whil	e cementing.						
		1									
Product/ Service		_									
Code			ription		Unit of Measure	Quantity				Net Amount	
D010	Depth Charge: 0'-50				job	1.00			 	\$1,000.00	
M010	Heavy Equipment N				mi	45.00				\$180.00	
M015	Light Equipment Mi	leage			mi	45.00				\$90.00	
M020	Ton Mileage				tm	336.49				\$504.74	
CP015	H-325				sack	150.00				\$3,375.00	
CP125	Pheno Seal				lb	75.00				\$131.25	
CP165	Cottonseed Hulls				lb	80.00				\$80.00	
									 		
									 		
									 		
									 		
									 		
									 		
									 		
									 		
									 		
									 		
									 		
Custo	mer Section: On th	e following scale b	ow would you rate	Hurricana Sarvicas	Inc 2						
Custo	mier Section. On the	e following scale in	ow would you rate	Friditicalle Services	IIIC. !	Total Taxable	\$ -	Tax Rate:	Net:	\$5,360.99	
Ва	sed on this job, ho	w likely is it you v	vould recommen	d HSI to a colleague	9?	State tax laws dee			Sale Tax:	\$ -	
		.,, 					to be sales tax	exempt. Hurricane	Jaio Tax.	-	
					f a luna /	information above	to make a dete	ermination if			
##########	icqāind;#1 2	3 4 5	6 7 8	9 10 н	(winpho#Ditho)	services and/or pr	oducts are tax e	exempt.	Total:	\$ 5,360.99	
						HSI Represe	entative:	David Gard	ner		

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material utilimately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from 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 acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable se



						~					
CEMENT	T TRE	ATMEN	r REP	ORT							
Gustomer: Jordan Oil Management Inc			agement Inc	Well:	McCulloch #13		Ticket:	EP11063			
City, State: Kansas				County:	Butler		Date:	10/23/2023			
Field Rep: Jason Bruns					S-T-R:	32/25S/4E		Service:	Surface		
Dow	mhole i	nformatio	n		Calaulated SI	www.lood		Color	ulated Shumo. Tail		
Downhole Information Hole Size: 12.25 in					Calculated Slurry - Lead			Calculated Slurry - Tail			
Hole Depth: 224 ft				Blend: H-325/1#Phenoseal/sk Weight: 15.0 ppg			Blend: Weight:				
Casing Size: 8 5/8 in			Water / Sx:	gal / sx			ppg gal / sx				
	Casing Depth: 208 ft			Yield:	1.35 ft ³ / sx	1	Water / Sx: Yield:	ft ³ / sx			
	Tubing / Liner: in			Annular Bbls / Ft.:	bbs / ft.	1	Annular Bbls / Ft.:	bbs / ft.			
	Depth:		ft		Depth:	ft	1	Depth:	ft		
Tool / P				·	Annular Volume:	0.0 bbls	-	Annular Volume:	0 bbls		
Tool	Depth:		ft		Excess:	0.0 22.0	-	Excess:	3336		
Displace	ement:	13.0	bbls		Total Slurry:	36.0 bbls		Total Slurry:	0.0 bbls		
			STAGE	TOTAL	Total Sacks: 150 sx			Total Sacks:	0 sx		
TIME	RATE	PSI	BBLs	BBLs	REMARKS						
				-	Safety Meeting:						
				-	Rig up to 8 5/8 casing						
	5.0	50.0	5.0	5.0	Break circulation w/ 5 bb	ol fresh water					
	5.0	100.0	36.0	41.0	Mixed 150 sks H-325 w/ 1	1# Phenoseal/sk @ 15#/	gal, yield 1.35	= 36 bbl slurry. Mixed 80#	Cottonseed Hulls in w/ 1st 50 sks cement.		
	5.0	100.0	13.0	54.0	Displace w/ 13 bbl fresh	water.					
				54.0	Shut down. Close casing in.						
				54.0	Good circulation at all times while cementing. Good cement returns to surface = 10 bbl slurry to pit.						
				54.0	Wait 15 mins before washing out cellar. Annulus standing full of cement						
				54.0	Job complete. Rig down						
				54.0							
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		CREW			UNIT			SUMMARY	1		
Cei	menter:	David			1003	Avera	ge Rate	Average Pressure	Total Fluid		
Pump Op		Broke	r		1203 5.0 bpm 83 psi 54 bbls						
	Bulk #1:	Jake			1210						
-	Bulk #2:										

ftv: 16-2022/08/12 mplv: 434-2023/10/18



Customer	Jordan Oil Manag	jement Inc	Lease & Well #	II# McCulloch #13				Date	10/28/2023	
Service District	Eureka	•	County & State	Butler, Ks	Legals S/T/R	32 259	6 4E	Job#		
Job Type	Longstring	✓ PROD	□INJ	SWD	New Well?	✓ YES	□No	Ticket #	EF	P11143
Equipment #	Driver			Job Safety An	alysis - A Discuss		& Safety Pro	ocedures		
1004	Kevin M	✓ Hard hat		✓ Gloves	-	Lockout/Ta	-	Warning Sign	ns & Flagging	
1201	Alan M	✓ H2S Monitor		✓ Eye Protection		Required Pe	_	Fall Protection	55 5	
1210	Steve M	✓ Safety Footwe	ear	Respiratory Pro	otection	✓ Slip/Trip/Fa	II Hazards	✓ Specific Job S	Sequence/Exp	ectations
		✓ FRC/Protectiv		Additional Che	mical/Acid PPE	✓ Overhead Hazards		✓ Muster Point/Medical Locations		
		Hearing Prote	ection	✓ Fire Extinguish	er	Additional of	oncerns or is	sues noted below		
						ments				
	API # 15-015-24214 Longstring 5 1/2				15.50# used	casing set	@ 2607'	K.B. w/ Type	A packe	r shoe.
		Shoe Jt = 35.08'. Centralizers on #1,3,5,7,9,11,17,				9. Baskets r	an on to	p of #2,11. C	ement lo	ngstring w/
		130sx Thick	Set Cement	w/ 5# kolseal	/sx, 2# pheno	oseal/sx. Pl	ug RH w/	20sx, MH w	/ 15sx	
Product/ Service					11-24 of Management	0				
Code	D th Oh 000		ription		Unit of Measure	Quantity				Net Amount
D013	Depth Charge 200				job	1.00				\$2,000.00
M010	Heavy Equipment				mi	45.00				\$180.00
M015	Light Equipment M	illeage			mi	45.00				\$90.00
CP062	H842 Thick Set C	ement			sack	165.00				\$4,537.50
CP002 CP110	Kol Seal 5#/sx	ement			lb	825.00				\$4,537.50 \$618.75
CP125	Pheno Seal 2#/sx				lb	330.00				\$577.50
CF 123	Filelio Seal 2#/SX				lb lb	330.00				φ377.30
M020	Ton Mileage				tm	434.00				\$651.00
	Torr Willouge					404.00				ψου 1.00
FE175	5 1/2" Type A Pac	ker Shoe w/ float	ea			1.00		\$1,		\$1,750.00
FE147	5 1/2" Float Collar		ea			1.00		\$25		
FE170	5 1/2" Latch Down			ea	1.00			\$350.00		
FE130	5 1/2" Cement Bas		ea	2.00			\$600.00			
FE125	5 1/2" Centralizer				ea	8.00				\$480.00
R061	Service Superviso	r			day	1.00				\$275.00
Custo	omer Section: On t	he following scale h	ow would you rate	Hurricane Services	Inc.?			_	Net:	\$12,359.75
B.	send on this job, he	w likely is it you y	would recommend	d HSI to a colleague	.2	Total Taxable State tax laws dee	\$ -	Tax Rate:		$\widehat{}$
		W likely is it you v				used on new wells	to be sales tax	exempt. Hurricane	Sale Tax:	\$ -
						Services relies on information above				
***************************************	Kopāmho##1 2	3 4 5	6 7 8	9 10 н	(wiphd#Dind	services and/or pr	oducts are tax	exempt.	Total:	\$ 12,359.75
						HSI Represe	ntative:	Thank You	Kevin Mc	Coy
TERMS: Cash in adva	ance unless Hurricane	Services Inc. (HSI) has	approved credit prio	r to sale. Credit terms of	of sale for approved a	counts are total inv	oice due on or	•		- •
accounts shall pay inte collection, Customer h applied in arriving at n Pricing does not included discount is based on 3 made concerning the 1 guarantee of future pro operational care of all	accounts shall pay interest on the balance past due at the rate of 1 1/5% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE : Technical dais presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from 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 acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.									

ftv: 16-2022/08/12 mplv: 434-2023/10/18



CEMENT	TRE	ATMEN	T REPO	ORT							
	CUSTOMERS JOINT CONTROL WELL MCCUILLOCH #13 Ticket: EP11143										
	City, State: 8463 S. Ida Haysville, Ks 6706							Ticket:			
Field Rep: Roger Martin S-T-R:				Butler, Ks Date: 10/28/2023 32 25S 4E Service: Longstring							
		3							gg		
					Calculated SI	Calculated Slurry - Lead Calculated Slurry - Tail					
Hole Size: 7 7/8 in		Blend:		Blend:							
Hole Depth: 2611 ft			Weight:	13.8 ppg		Weight:	ppg				
Casing Size: 5 1/2 in			Water / Sx:	9.0 gal / sx		Water / Sx:	gal / sx				
	Casing Depth: 2607 ft				Yield:	1.85 ft ³ / sx		Yield:	ft ³ / sx		
	Tubing / Liner: in Depth: ft		ft		Annular Bbls / Ft.:	bbs / ft.		Annular Bbls / Ft.:	bbs / ft.		
Tool / Pa			•		Depth: Annular Volume:	bbls	Depth:		π 0 bbls		
	Depth:		ft		Excess:	DDIS		Annular Volume: Excess:	o unis		
Displace		62.0	62.0 bbls		Total Slurry:	43.0 bbls		Total Slurry:	0.0 bbls		
			STAGE	TOTAL	Total Sacks:			Total Sacks:	0 sx		
TIME	RATE	PSI	BBLs	BBLs	REMARKS						
			-	-	Safety Meeting:						
				-	5 1/2" 15.50# used casin	g set @ 2607' K.B. w/ Type	A Packer Sh	oe			
				-	Rig up to 5 1/2" casing						
				-	Drop brass trip ball, wait	t 10 mins, set packer shoe	@ 1500psi				
				-	Pump 15bbl fresh water ahead of cement						
				-	Mixed 130sx Thick Set Cement w/ 5# Kolseal/sx, 2# Phenoseal/sx @ 13.8#/gal, yield 1.85 = 43bbl slurry						
				-	Wash out pump & lines, shut down, release latch down plug						
				-	Displace plug to seat w/ 62bbl of fresh water						
				-	Final pumping pressure 1000psi, Bump plug to 1500psi						
				-	relicate process, near a play nou						
				- Good circulation @ all times while cementing Note: 130sx on longstring, 20sx RH, 15sx MH = Total 165sx							
					Job Complete. Rig down		tai 1005X				
					COD COMPLETE. 1419 GOWIN						
	CREW UNIT SUMMARY										
CREW UNIT Cementer: Kevin M 1004							Pato	Average Pressure	Total Fluid		
Pump Op		Alan			1004 1201	Average 0.0 b		- psi	- bbls		
	Bulk #1:	Steve			1210	0.0 1	.h	- μοι	- 10010		
	Bulk #2:	31646			1210						

ftv: 16-2022/08/12 mplv: 434-2023/10/18