KOLAR Document ID: 1641879

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

Name:	
Feet from North / South Li	
City: State: Zip:	∃ast
Contact Person:	ne of Section
Phone: () NE NW SE SW CONTRACTOR: License #	ne of Section
CONTRACTOR: License #	
Name:	
Name:	
Wellsite Geologist:	xxx.xxxxx)
Purchaser:	
Designate Type of Completion:	_
New Well Re-Entry Workover Field Name:	
Producing Formation:	
Gas DH EOR	
OG GSW Total Vertical Depth: Plug Back Total Depth:	
CM (Coal Bed Methane) 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:	Feet
Operator: If Alternate II completion, cement circulated from:	
Well Name: feet depth to:w/	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)	
Chloride content:ppm Fluid volume:	bbls
Commingled Permit #: Dewatering method used:	
SWD Permit #: Location of fluid disposal if hauled offsite:	
EOR Permit #:	
GSW Permit #: Operator Name:	
Lease Name: License #:	
Spud Date or Date Reached TD Completion Date or Quarter Sec. Twp. S. R	East West
Recompletion Date 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: 1641879

Page Two

Operator Name: _				Lease Name:	_ease Name: Well #:					
Sec Twp.	S. R.	E	ast West	County:						
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,		
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log		
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample		
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum		
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No							
		B	CASING eport all strings set-c		New Used	ion, etc.				
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD					
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	ed Type and Percent Additives					
Perforate Protect Casi Plug Back T										
Plug Off Zor										
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,		
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)				
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity		
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom		
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT		
,	,			B.11 B1						
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record		
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:						
TODING RECORD:	. 3126.	Set	n.	i donei Al.						

Form	ACO1 - Well Completion
Operator	Jordan Oil Management Inc.
Well Name	MCCULLOCH 12A
Doc ID	1641879

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	10.75	8.625	23	232	Class A	150	2
Production	7.875	5.5	15.50	2665	Thick Set	110	2



API + 15-015-24158 Controlleris #2,6,7,10,12 BASKET Bothom OF #3

Cement or Acid Field Report
Ticket No. 6113
Foreman Russell mscoy
Camp Eureka

Date	Cust. ID#	Leas	e & Well Number		Section	Towns	ship f	Range	County	State
12-19-21	1192	maculla	och # 12 A	V	32	255		4 8	Butler	KS
Customer				Safety	Unit #		Driver		Unit#	Driver
TordAN	oil ma	ANAgement	INC.	Meeting	105		ASON			
Mailing Address				JASIN	113		Broken			
8463				Broken	141		AB	-		
City		State	Zip Code	AB	128	- 17	USSELL	_		
HAYSUIL	le	Ks	67060							9
Casing Size & Displacement_ Remarks: _5	Wt. 5 2 1. 64 B51 Afely M	Cement L Displace	oth 2669 re 778 reft in Casing 42 rement PSI 500	une, f	Water Gal/SI Bump Plug to ろい よし	68.8	# 4 w/	_ Oth _ BP F/o AT	mer	Hly
			ting, 501:1							
MOD, Cira	THE PUI	45 MID.	Rig up cem	en ne	AL CM	L DLW	85 1M	P ION	i Tomps	501
WATER ST	PACK-	er shull 16	1 CO 12 C G	7 100	Variation.	05 61	rnp 1	3 5 %	T.S. CEM	en.
W 5 " KO	isemi a	Phrnosex	1 @ 13.8 @	1.65	A CLID = 5	72 21M	iry, u	ASh	TIN POMP	0
+ Linei K	release 5	12 hater	Down Pla	9 Dist	Place W	6418	61 W	4+4~	Linal bru	(*
PSI 500	Bump	Plug to 10	oot check f	-lowT	FIGAT It	=12.	GOOD	CITCU	ilation Du	ring
All Ceme	nting Pro	cepure, I	ob complete	. Ten	r Down.	Thi	ANK Y	1 'H	uss tcren	/
			nouse Hole							

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C-102	1	Pump Charge	//00-00	1100.00
6-107	35	Mileage	4.20	147.00
C-201	110	SKS Thick SET COMENT	22.55	2,480.50
C-207	550 [#]	Kolsen 5 # Prijsk	. 52	286.00
2-208	220 #	Phenoseni 2 # PerisiL	1.45	319.00
108 B	5.5	TONE TON MILEAGE (BUIK Truck)	1.40 (MIC)	365.00
C-504	5	5'2 x 778 contralizers	55.00	275.00
c-604	1	5'2 Cement BASKET	260.60	260.00
c-421	1	51/2 Latch Plug	266.00	266.00
c-752	L	5 1/2 TYPE A PACKOR ShOE	1617.00	1617.00
AC-113	4 hr		90.60	360.00
c - 224	3,000	gallows city water	11.60	33.00
		•	5	
			SUB TOTAL	7,508.50
		6.51 ₀	Less 57. Sales Tax	393.42
		oger Martin Title Geo.	Total	7474.95



Cement or Acid Field Report
Ticket No. 6098

Foreman Kevin McCoy

Camp Eureka

Date	Cust. ID# Lease & Well Number			Section	Township	Range	County	State		
12-14-21	1192	McC	alloch	# 12 A		32	255	45	ButLeR	Ks
Customer					Safety	Unit#	Dri	ver	Unit #	Driver
landa	OIL MA		+ 100		Meeting	104	ShANN	ION F.		
Mailing Address	S. Ida	NAYEMEN	, , , , , , , , , , , , , , , , , , ,		SF BW	113	BROKE	R W.		7165 XX
City HAYSY	11/0	State	Zip Cod							

Job Type Surface	Hole Depth 247 K.B.	Slurry Vol. 36 BbL	Tubing
Casing Depth 232 6.4.	Hole Size 12 1/4"	Slurry Wt. 15	Drill Pipe
	Cement Left in Casing 20 ±	Water Gal/SK	Other
Displacement 14 BbL	Displacement PSI	Bump Plug to	BPM
Remarks: SAFETY Meeting MIXED 150 SKS CLASS	: Big up to 85/8 CASING. A" Cement w/ 3% CACL	BREAK CIRCUlation w/ 1	10 BbL Fresh water. 15x @ 15 #/gal = 36 BbL
Slurry. Displace w/ / Job Complete. Rig dow	4 BbL FResh WATER. Goo	d Coment to SURFACE =	2 BbL Sturry to Pit.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
101	1	Pump Charge	890.00	890.00
: 107	35	Mileage	4.20	147.00
200	150 sks	Class "A" Cement	17.35	2602.50
205	425 #	CACLZ 3%	. 69 *	293.25
206	285*	Gel 2%	. 28 *	79.80
209	37*	Floseal 1/4 #/5K	2.60 #	96.20
C 168 A	7.05 TONS	Ton MileAge	M/c	365.00
			Sub Total	4473.75
		THANK YOU	Less 5%	233.67
		6.5%	Sales Tax	199.66
19 TO 19	41.6.00	sed By Tim Title C & 6 DR/g. Toolpusher	Total	4,439.74



API + 15-015-24158 Controlleris #2,6,7,10,12 BASKET Bothom OF #3

Cement or Acid Field Report
Ticket No. 6113
Foreman Russell mscoy
Camp Eureka

Date	Cust. ID#	Leas	e & Well Number		Section	Towns	ship f	Range	County	State
12-19-21	1192	maculla	och # 12 A	V	32	255		4 8	Butler	KS
Customer				Safety	Unit #		Driver		Unit#	Driver
TordAN	oil ma	ANAgement	INC.	Meeting	105		ASON			
Mailing Address				JASIN	113		Broken			
8463				Broken	141		AB	-		
City		State	Zip Code	AB	128	- 17	USSELL	_		
HAYSUIL	le	Ks	67060							9
Casing Size & Displacement_ Remarks: _5	Wt. 5 2 1. 64 B51 Afely M	Cement L Displace	oth 2669 re 778 reft in Casing 42 rement PSI 500	une, f	Water Gal/SI Bump Plug to ろい よし	68.8	# 4 w/	_ Oth _ BP F/o AT	mer	Hly
			ting, 501:1							
MOD, Cira	THE PUI	45 MID.	Rig up cem	en ne	AL CM	L DLW	85 1M	P ION	i Tomps	501
WATER ST	PACK-	er shull 16	1 CO 12 C G	7 100	Variation.	05 61	rnp 1	3 5 %	T.S. CEM	en.
W 5 " KO	isemi a	Phrnosex	1 @ 13.8 @	1.65	A CLID = 5	72 21M	iry, u	ASh	TIN POMP	0
+ Linei K	release 5	12 hater	Down Pla	9 Dist	Place W	6418	61 W	4+4~	Linal bru	(*
PSI 500	Bump	Plug to 10	oot check f	-lowT	FIGAT It	=12.	GOOD	CITCU	ilation Du	ring
All Ceme	nting Pro	cepure, I	ob complete	. Ten	r Down.	Thi	ANK Y	1 'H	uss tcren	/
			nouse Hole							

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C-102	1	Pump Charge	//00-00	1100.00
6-107	35	Mileage	4.20	147.00
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108 B	5.5	TONE TON MILEAGE (BUIK Truck)	1.40 (MIC)	365.00
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c-752	L	5 1/2 TYPE A PACKOR ShOE	1617.00	1617.00
AC-113	4 hr		90.60	360.00
c - 224	3,000	gallows city water	11.60	33.00
		•	5	
			SUB TOTAL	7,508.50
		6.51 ₀	Less 57. Sales Tax	393.42
		oger Martin Title Geo.	Total	7474.95



Cement or Acid Field Report
Ticket No. 6098

Foreman Kevin McCoy

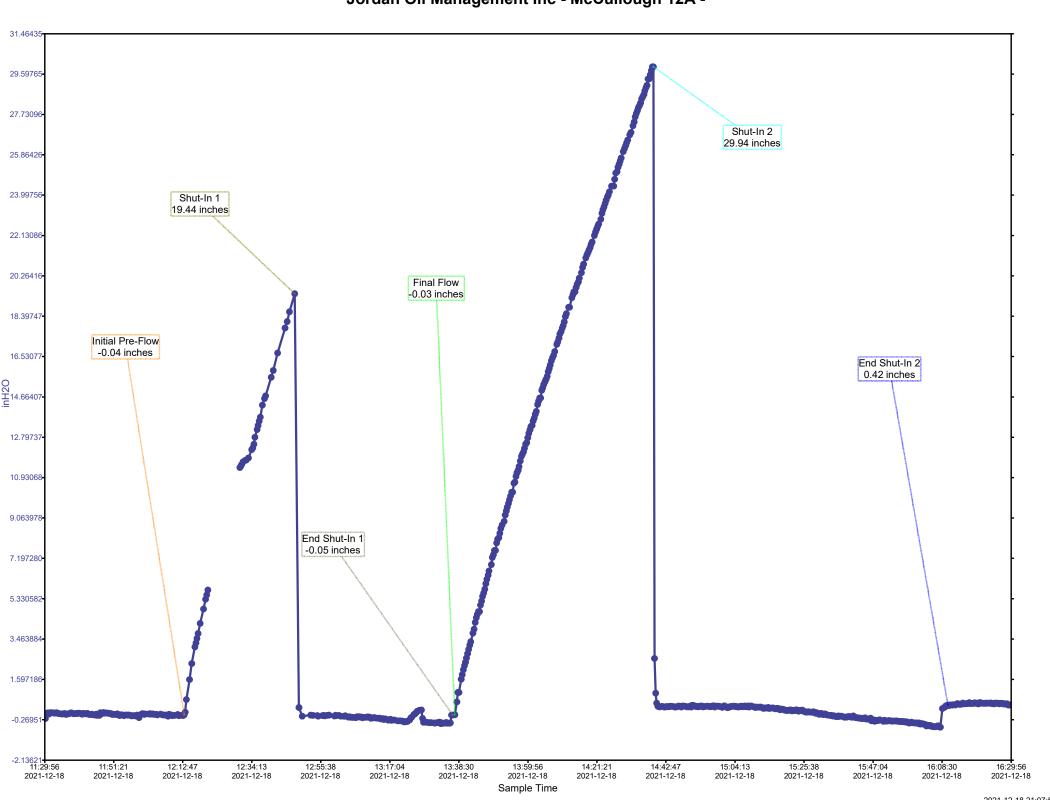
Camp Eureka

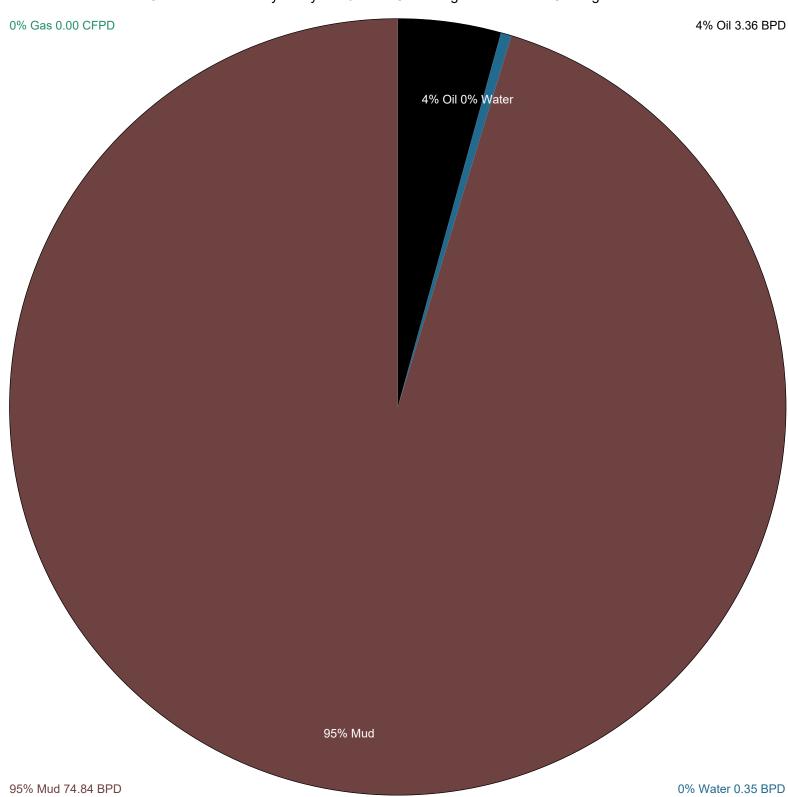
Date	Cust. ID#	Le	ease & Well	Number		Section	Township	Range	County	State
12-14-21	1192	McC	alloch	# 12 A		32	255	45	ButLeR	Ks
Customer				Safety	Unit#	Dri	ver	Unit #	Driver	
landa	oil ma		+ 100		Meeting	104	ShANN	ION F.		
Jordan OIL MANAgement, INC. Mailing Address 8463 S. Ida			SF BW	113	BROKE	R W.		7165 XX		
City HAYSY	11/0	State	Zip Cod							

Job Type Surface	Hole Depth 247 K.B.	Slurry Vol. 36 BbL	Tubing			
Casing Depth 232 6.4.	Hole Size 12 1/4"	Slurry Wt. 15	Drill Pipe			
	Cement Left in Casing 20 ±	Water Gal/SK	Other			
Displacement 14 BbL	Displacement PSI	Bump Plug to	BPM			
Remarks: SAFETY Meeting: Big up to 85/8 CASING. BREAK CIRCUlation w/ 10 Bbl Fresh water. MIXED 150 SKS Class A" Cement w/ 3% CACLZ, 2% Gel, "14 " FloseAL/SK@ 15 "/gal = 36 Bbl						
Slurry. Displace w/ / Job Complete. Rig dow	4 BbL FResh WATER. Goo	d Coment to SURFACE =	2 BbL Sturry to Pit.			

Code	Qty or Units	Description of Product or Services	Unit Price	Total
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: 107	35	Mileage	4.20	147.00
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C 168 A	7.05 TONS	Ton MileAge	M/c	365.00
			Sub Total	4473.75
		THANK YOU	Less 5%	233.67
		6.5%	Sales Tax	199.66
19 TO 19	41.6.00	sed By Tim Title C & 6 DR/g. Toolpusher	Total	4,439.74

Jordan Oil Management Inc - McCullough 12A -





LEA	SE MCCULLO	CH 12A	ANAGEMENT,	INC.	KB <u>1349'</u>	EVATIONS GL 1340' are All
SEC'	EATION $\frac{1980' \text{ FN}}{2}$ TION $\frac{32}{2}$ TO	L & 19980	258	RANGE 04E KANSAS	Measurements A From KB API # 15-015	3-24158-00-00
	12/14/2021		STATE LING, Rig #2 COMP 12/19/2	KANSAS 2021		SING et @ 232'.
RTD	2669'	I	LTD 2666' AL SURVEYS		PRODUCTION sks Thickset, 5# Kolses	5 1/2" LS set @ 2666' w/ 110 l/sk, 2# Phenoseal/sk
LANS KANS STAR	SAS CITY RK		LOG 1841' (-492) 2117' (-768) 2219' (-870) 2347' (-909)	SAMPLES 1843' (-494) 2120' (-771) 2221' (-872) 2350' (-001)	12/14/2021- MIRU C&G Dr Run 8 5/8" surface casing, se	t @ 232' KB.
HUSE BASE MISS	E KANSAS CITY EISSIPPIAN CHERT DERHOOK A PORO		2219' (-870) 2247' (-898) 2275' (-926) 2512' (-1163) 2588' (-1239) 2661' (-1312)	2221' (-872) 2250' (-901) 2273' (-924) 2514' (-1165) 2590' (-1241) 2664' (-1315)	12/15/2021- TIH w/bit @ 24' 12/16/2021- Drilling @ 1429 12/17/2021- Drlg @ 2345' @ 12/18/2021- TOH/DST #1 @ 7 AM. Run DST #1.	@ 8:20 AM. 6:20 AM.
RTD/			2666' (-1317)	2669' (-1320)	12/19/2021 - Logging @ RTD Run 5 1/2" production casing	
REM	Safety meet	ing & job proc	cedure. Run 2668.89' w/ 1	nting & Acit Service: Ticket #6113 float equip in tally. Tag bottom whi	le	
	cement hear water mix & 25 bbl slurr water final cementing p	d. Drop brass t	trip ball. Pump 5 bbl wat Thickset cement w/ 5# K ump & lines, Release 5 1// #. Bump plug to 1000#, c complete. Tear down.	nt mud, circulate for 45 min. Rig up er, set packer shoe 1600#. Pump 10 Colseal, 2# Phenoseal @ 13.8 @ 1.85 2" latch down plug. Displace w/ 64 theck float, float held. Good circulates s #2, 6, 7, 10, 12. Basket on bottom	bbl 5 yield= bbl ion during all	
	Respectfull Roger L. M	y submitted, artin, Geologis	st			
	BROSITY DRILLING TRIE	n ^{gi}	SAMI	PLE DESCRIPTION	0	TGV 300
Pr.	DEBLIA REPORT	1/30				
			LS: cm-tn-gy-wh, us SILTS: lt-md gy & \$	s- fnxln, sm argil w∕ Pr- NV Poro, SH: gy-blk.	NSO.	
	-с-	1800	Rr LS: wh-gy, ux- fr Poro, NSO.	nxln, sm chlky, VRr mdx- crsx, sr	n Pr- Fr IX	
	0 5 10	±0U0	VAbndt SH: blk & s	silty SH & Silts.		
	-c-		SH: AA & SILTS: g	gy, cale, micac.		10.00
	0 5 -c - 10	1850	{LANSING} LS: w sm Wkst- Pkst, sm F	h-tn-gy, sm ux- fnxln, VRr mdx- r- Rr Fr Poro, NSO.	crsx's, chky,	1843' (-494) LANSING
			Pkst, sm wh-chlky, s	xin, Rr prt mdx, sm SI dolome, sn sm Pr- Fr Poro: IX Poro, pp Poro, dxin, Rr Fr- Gd IX Poro, pp. vus	I Gr Poro,	
	-c-	1900	sm sucro, Vfnxln- m	an FF- FF FOIO: LA POIO, pp FOIO, dxln, Rr Fr- Gd IX POIO, pp- vug tr LS, AA, sm ux- dn LS.		
	0 5 10 -c-		***	- dn, Pred Pr- NV Poro w/ NSO.		
			LS: VRr wh-chlky & & Wkst- Pkst w/ Pr-	& ux- finxln & trc mdxln w/ Fr vis Fr Poro, NSO.	ol Poro, NSO	
	0 5 10	1950	(Abndt SH: AA) sm dn- ux- Vfnxln L	S & Mdst, NSO.		
	-C-			,s & Mdst, NSO. , sm carb & gn-gy, rd-mrn. sm sil	ty SH & Silts.	
	0 5 10	2000	on	-, s.m sil		
	-c-		SILTY SH & SILTS	S: gy, micac, sm calc & lmy.		
	-c-		SH & SILTS: AA.			
	0 5 10	2050				
	-c-		SH- SILTS: md-dk g	gy, sm calc.		
	0 5 10 - c -	2100	SH: AA, sm silts.			
			Pr- NV Poro: pp Por barren.	VRr LS: wh-chlky & cm-n, ux- fr o, IX Poro. Trc STN- SFO- FL l	R- Cut. Pred	2120' (-771) KANSAS CITY {Trc SFO)
	-с-	2150		lky, sm ux- fnxln, Trc mdx's, VR 6r Poro, < 1% w/sp'td- subsat O milky Cut.		(Trc SFO)
	0 5 10 -cCFS-15"			y to dn w/ Pr/ NV Poro, >99% ba xln, VRr prt molde & prt oole w/		
			molde Poro, sm IX I oole & fos Pkst & T	ixin, VRr prt molde & prt oole w/ Poro, Tre spt'd OSTN, Tre Cut , re mdx- crsx- 2nd ReX, sm chlky SFO. sm dn w/ NV Poro, NSFO.	, NSFQ, sm	
	0 5 -c- 10	2200	LS: wh-gy-bf, prt ch mlky Cut, NSFO. >	lky & ux- fnx, VRr oomlde, Tre 99% barren. Abndt dn- subchlky	OSTN & & argil- shly.	
	-c-		{SWOPE} LS: gy-ti	earb & subcarb & dk gy & gn-gy. n-wh, Wkst- Pkst, fos & VSI oolc	, & ux- fnx,	2221' (-872) STARK
	0 5 10	2250	Trc mdx, Cherty, Pr Trc Cut, NSFO. CI {HUSHPUCKNE} SH.	visbl Poro, Tre Fr Poro, Tre OS HERT: gy-bf-wh, VSI fos. 73 SH: sm blk carb- subcarb & Al	ondt Vgt'd	2250' (-901) HUSHPUCKNEY
			LS: wh-tn-gy, sm ch mdxln, VRr Pr- Fr I	lky, sm subchlky Wkst- Pkst & u Gr Pro & IX Poro, NSFO. SI Che CITY} VAbndt SH: gy-blk, sm si sm SI pyrtc.	rty, AA.	2273' (-924) B/KANSAS CITY
	-c-		& lmy, sm carb SH, SH: AA & sm SILT			
	-c- 0 5 10	2300	SH: md-dk gy, sm S	l prtc, silty & Sl micac & sm Silts	s, AA, calc.	
	-c-		SH: AA, Abndt gn-g	gy.		
	0 5 10	2350	sm blk carb. LS: tn-gy-wh, sm me VPr- NV Poro, NSC Abndt Vgt'd SH: gn-		n argil Mdst,	Mud Checks by Fud Mud: Drlg @ 2345' wt 9.6, vis 41 PV 15, YP 5 pH 10.0, WL 11.8 Cl 1200, LCM 0#
				lc & argil- shly LS. Incrs blk cart	s SH.	CI 1200, LCM 0# ECD 10.40
	-0-	2400	SH: blk carb.	in- ux, sm prt chlky, Pred VPr- N	V Poro, NSO.	
	0 5 10		argil- shly LS- Mdst Vgt'd SH: AA. Pred SH: AA.			
	-c-		LS: tn-gy-wh, sm W prt chlky. LS: AA & gy- argil	kst- Pkst & ux- fnx, w/ Pr- NV Po Mdst, sm silty- shly.	oro. NSO. sm	
	0 5 <u>-c-</u> 10	2450		ry SH, sm lmy & calc. rx & Wkst- Pkst, sm argil- shly, R Poro, NSO.	r prt	
				sm cale & lmy & argil-shly LS. 'kst- Pkst, sm argil & shly, VPr- N	NV Poro,	
	- c -	2500	sm argil- shly LS- M	-blk, gn & rd-violt-mrn. Idst & sm Silts- sndy.		
	-c-		{MISSISSIPPIAN} 1% Tre VGd vug Pe visbl Poro & Fre E VSI- Fr Cut, sm shr	olk, VRr wthr'd Chert-shly. CHERT: VRr wthr'd CHERT: voro, <5% w' spt'd-subsat OSTN & brt FLR, Trc-VSI & p-SI wthr'd, prt fish Chert, Trc Toro.	N, sm Pr SFO, <5% w/	2514' (-1165) MISSISSIPPIAN CHERT {Trc-VSI SFO)
			subTriple Chert w/ I	Poro.		
	-cCFS-15" 0 5 10	2550	Wkst- Pkst, sm argil Trc Chert: AA w/FL	n-gy, ux- fnxln, prt chlky, sm VSI - shly LS, Pred VPr- Pr visbl Por .R- STN- SFO & Cut. >99% barn dn- ux & Mdst, sm semi-chlky, sn	o w/ NSO.	
	-C-			o. ed dn- ux & Mdst, sm semi-chlky	w/VPr- NV	
	0 5 10	2600	{KINDERHOOK} SH: Abndt dk gy-bli	SILTS-SH: It-md gy, SI calc.		2590' (-1241) KINDERHOOK DST #1 VIOLA 2567'-2669' 30-45-60-90
	c -CFS-30/45"			s LS & Chert in 45" spl) gn-gy, sm lmy & calc.	**BIT TRIP*	1st Op: BOB in 20 min, strng
	-C G FS-20/40"			, AA (sm Miss LS & Chert in 40'	spl)	
	-CFS-20/40 0 ČFS-20/40 ¹⁰ -CFS-20/40	2650	OSTN, ux- Vfnxln, Poro w/ spt'd- subs	min spl} 20% DOLO: cm-bf w/: usucro- grnlr- silic & Cherty, Pr- sat FLR & OSTN, SI- Fr SFO.	Fr visbl Frc Gd Poro 2664' (-1315)	60' OSptWCM 5%W,95%M IHP: 1292 IFP: 22-176 ISIP: 955 FFP: 181-264 FSIP: 962
_ I	-CFS-20/40/60 -CFS-20/40/60	1	w/ Fr- Gd SFO & I Pred shrp, frsh, VRr Odor, Fr mlky Cut	FLR- STN & Cut. VCHERTY:	em-gy-tn, R- Cut, Fr (Fr-Gd SFO)	FSIP: 962 FHP: 1278 BHT: 101 F

ROGER L. MARTIN



DRILL STEM TEST REPORT

Jordan Oil Management Inc.

ATTN: Roger Martin

32/25/4

McCulloch 12A

P.O. Box 642

Wellinington, KS 67060

Job Ticket: 67833 DST#: 1

Test Start: 2021.12.18 @ 09:40:00

GENERAL INFORMATION:

Formation: Viola

Deviated: Test Type: Conventional Bottom Hole (Initial) No Whipstock: 1349.00 ft (KB)

Time Tool Opened: 12:13:17 Time Test Ended: 20:17:47 Tester: Chris Hagman

Unit No:

Interval: 2567.00 ft (KB) To 2669.00 ft (KB) (TVD) Reference ⊟evations:

1349.00 ft (KB) 1340.00 ft (CF)

Total Depth: 2669.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8672 Press@RunDepth: Inside

263.98 psig @

09:40:01

2569.00 ft (KB)

Capacity: Last Calib.: psig

Start Date: 2021.12.18 Start Time:

End Date: End Time: 2021.12.18 20:17:47

Time On Btm:

1899.12.30 2021.12.18 @ 12:11:02

Time Off Btm:

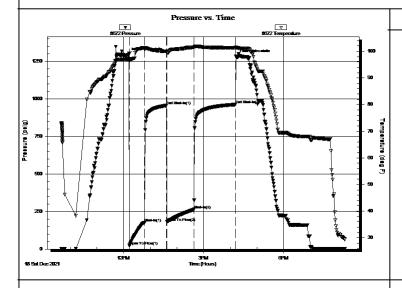
2021.12.18 @ 16:13:17

TEST COMMENT: IF: 30 min., BOB 20 min., strong building blow, 19.4 inches

ISI: 45 min., no blow back

FF: 60 min., BOB 20 min., strong building blow, 30 inches

FSI: 90 min., no blow back



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1291.66	97.07	Initial Hydro-static
3	22.44	96.53	Open To Flow (1)
37	176.14	101.33	Shut-In(1)
86	955.11	99.95	End Shut-In(1)
87	181.21	99.76	Open To Flow (2)
147	263.98	101.52	Shut-In(2)
241	962.14	101.35	End Shut-In(2)
243	1278.36	101.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	oil spotted watery mud 5%W, 95%M	0.30
60.00	SOSM 2%O,98%M	0.30
309.00	SOCM mud 5%O,95%M	2.67

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)	
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Ref. No: 67833 Printed: 2021.12.18 @ 21:05:45 Trilobite Testing, Inc



DRILL STEM TEST REPORT

Jordan Oil Management Inc.

ATTN: Roger Martin

32/25/4

McCulloch 12A

P.O. Box 642

Wellinington, KS 67060

Job Ticket: 67833 DST#: 1

Test Start: 2021.12.18 @ 09:40:00

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: 1349.00 ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 12:13:17

Tester: Chris Hagman

Time Test Ended: 20:17:47 Unit No: 69

 Interval:
 2567.00 ft (KB) To
 2669.00 ft (KB) (TVD)
 Reference Elevations:
 1349.00 ft (KB)

Total Depth: 2669.00 ft (KB) (TVD) 1340.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 2569.00 ft (KB) Capacity: psig

Start Date: 2021.12.18 End Date: 2021.12.18 Last Calib.: 1899.12.30

Start Time: 09:40:01 End Time: 20:19:47 Time On Btm:

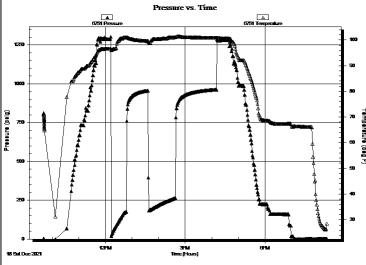
Time Off Btm:

TEST COMMENT: IF: 30 min., BOB 20 min., strong building blow, 19.4 inches

ISI: 45 min., no blow back

FF: 60 min., BOB 20 min., strong building blow, 30 inches

FSI: 90 min., no blow back



PRESSURE SU	JMMARY
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	TREGOGILE GOMMAN						
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation			
	,	(1 3)	(3)				
i							
Townson (deat E)							
9							

Recovery

Length (ft)	Description	Volume (bbl)
60.00	oil spotted watery mud 5%W, 95%M	0.30
60.00	SOSM 2%O,98%M	0.30
309.00	SOCM mud 5%O,95%M	2.67

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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Trilobite Testing, Inc Ref. No: 67833 Printed: 2021.12.18 @ 21:05:45



DRILL STEM TEST REPORT

FLUID SUMMARY

Jordan Oil Management Inc.

32/25/4

McCulloch 12A

P.O. Box 642

Wellinington, KS 67060 Job Ticket: 67833

ATTN: Roger Martin

DST#: 1

Test Start: 2021.12.18 @ 09:40:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:10.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 50.00 sec/qt Cushion Volume: bbl

Water Loss: 10.39 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1100.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	oil spotted watery mud 5%W, 95%M	0.295
60.00	SOSM 2% O,98% M	0.295
309.00	SOCM mud 5%O,95%M	2.667

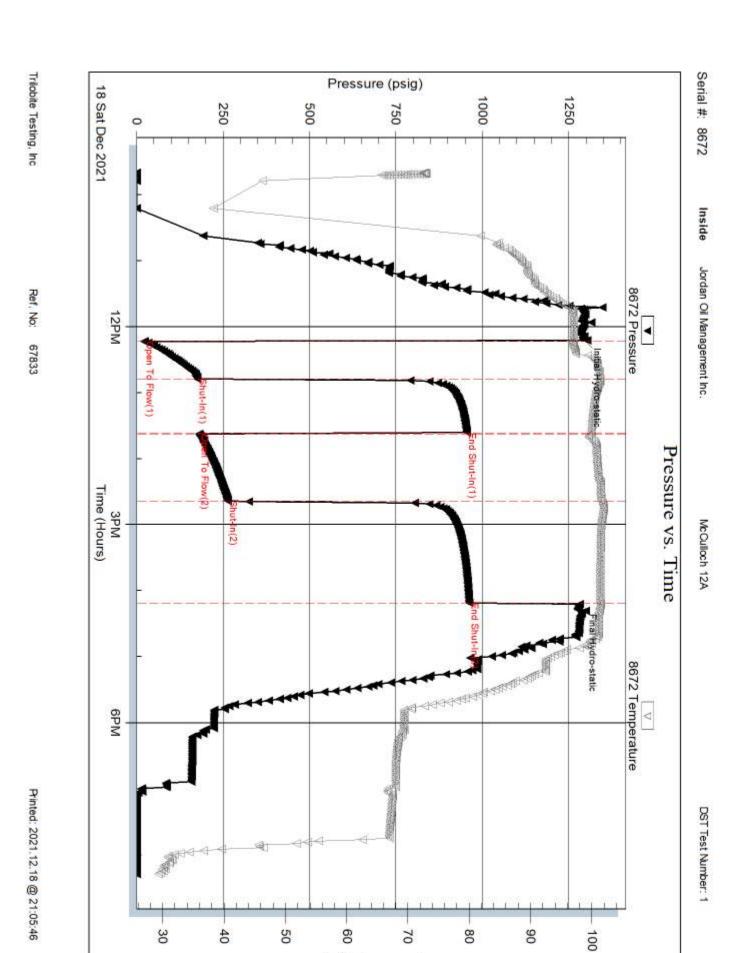
Total Length: 429.00 ft Total Volume: 3.257 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 63' GIP

Trilobite Testing, Inc Ref. No: 67833 Printed: 2021.12.18 @ 21:05:45



Temperature (deg F)

