

ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____

Form	ACO1 - Well Completion
Operator	JTC Oil, Inc.
Well Name	WEST WADDLE 10
Doc ID	1633152

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	9.875	7	21	20	Portland	3	NA
Production	5.785	2.875	6.5	552	Thixo	56	See Ticket

DRILL LOG

Operator License # 32834
 Operator JTC Oil, Inc.
 Address 35790 Plum Creek Rd
 Osawatomie, KS 66064

Contractor JTC Oil, Inc, 35790 Plum Creek Rd
 Osawatomie, KS 66064

TD 560 TD of Pipe 552
 Surface Pipe 7" Depth 20 Ft w/3sx cement

API # 15-121-31658-00-00
 Lease Name West Waddle
 Well 10
 Spud Date 11/8/21
 Cement Date 11/16/21

County Miami

Kind of Well Producer

Thickness	Strata	From	To
2	top soil	0	2
13	clay	2	15
13	lime	15	28
20	shale	28	48
5	lime	48	53
43	shale	53	96
16	lime	96	112
8	shale	112	120
32	lime	120	152
8	coal	152	160
22	lime	160	182
4	coal	182	186
14	lime	186	200
135	shale	200	335
4	red bed	335	339
24	lime/shale	339	363
17	lime	363	380
40	shale	380	420
4	coal	420	424
8	lime	424	432
12	shale	432	444
2	lime	444	446
15	shale	446	461
7	lime	461	468
18	shale	468	486
3	lime	486	489
2	coal	489	491
4	lime	491	495
5	shale	495	500
2	oil sand	500	502
3	oil sand	502	505
3	oil sand	505	508
2	oil sand	508	510
50	shale	510	560



CEMENT TREATMENT REPORT

Customer:	JTC Oil Inc	Well:	West Waddle I-11, 11, I-10, 10	Ticket:	EP3303
City, State:	Osawatomie, KS	County:	MI, KS	Date:	11/16/2021
Field Rep:	Tom Cain	S-T-R:	23-18-21	Service:	longstrings

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	5 7/8 in	Blend:	Thixo 1# PS	Blend:	
Hole Depth:	ft	Weight:	13.70 ppg	Weight:	ppg
Casing Size:	2 7/8 in	Water / Sx:	9.19 gal / sx	Water / Sx:	gal / sx
Casing Depth:	ft	Yield:	1.85 ft ³ / sx	Yield:	ft ³ / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	bbls	Total Slurry:	bbls	Total Slurry:	0.0 bbls
		Total Sacks:	0 sx	Total Sacks:	0 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
8:30 AM			-	-	on location, held safety meeting
4.0			-	-	#1-11 - established circulation, mixed and pumped 100# Bentonite Gel followed by 4 bbls fresh water
4.0			-	-	mixed and pumped 51 sks Thixo cement with 1# PhenoSeal per sk, cement to surface
1.0			-	-	flushed pump clean, pumped 2 2 7/8" rubber plugs to pin with 3.10 bbls fresh water, pressured to 400 PSI
4.0			-	-	well held pressure, shut in casing, washed up equipment
			-	-	560'/540'/535'
4.0			-	-	#11 - established circulation, mixed and pumped 100# Bentonite Gel followed by 4 bbls fresh water
4.0			-	-	mixed and pumped 58 sks Thixo cement with 1# PhenoSeal per sk, cement to surface
1.0			-	-	flushed pump clean, pumped 2 2 7/8" rubber plugs to pin with 3.21 bbls fresh water, pressured to 400 PSI
4.0			-	-	well held pressure, shut in casing, washed up equipment
			-	-	580'/560'/555'
4.0			-	-	#1-10 - established circulation, mixed and pumped 100# Bentonite Gel followed by 4 bbls fresh water
4.0			-	-	mixed and pumped 53 sks Thixo cement with 1# PhenoSeal per sk, cement to surface
1.0			-	-	flushed pump clean, pumped 2 2 7/8" rubber plugs to pin with 3.11 bbls fresh water, pressured to 400 PSI
4.0			-	-	well held pressure, shut in casing, washed up equipment
			-	-	560'/534'/538'
4.0			-	-	#10 - established circulation, mixed and pumped 100# Bentonite Gel followed by 4 bbls fresh water
4.0			-	-	mixed and pumped 56 sks Thixo cement with 1# PhenoSeal per sk, cement to surface
1.0			-	-	flushed pump clean, pumped 2 2 7/8" rubber plugs to pin with 3.17 bbls fresh water, pressured to 400 PSI
4.0			-	-	well held pressure, released pressure to set float valve, shut in casing, washed up equipment
			-	-	560'/552'/547'
11:30 AM					left location

CREW		UNIT	SUMMARY		
Cementor:	Casey Kennedy	89	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Garrett Scott	239	3.3 bpm	- psi	- bbls
Bulk:	Nick Beets	248			
H2O:	Pat Sanborn	123			