Westlake US 2 Daily Report Date Reported: 10/28/2023

#### **Pressure Data:**

10/27/2023 @ 6PM

7B Tubing Press = 72.5 psig

7B Annulus Press = 434.5 psig

Downhole Pressure in 7B Tubing = 1425 psig

7B Brine Injection Rate = 326.7 GPM

6X Annulus Press = 177.5 psig

PPG 2 Tubing Pressure = 256.0 psig

PPG 2 Annulus Press = 388.8 psig

PPG 4 Tubing Pressure = 254.1 psig

PPG 4 Annulus Press = 262.6 psig

#### 10/28/2023 @ 4AM

7B Tubing Press = 72.6 psig

7B Annulus Press = 434.4 psig

Downhole Pressure in 7B Tubing = 1425 psig

7B Brine Injection Rate = 320.7 GPM

6X Annulus Press = 177.7 psig

PPG 2 Tubing Pressure = 256.3 psig

PPG 2 Annulus Press = 389.2 psig

PPG 4 Tubing Pressure = 254.2 psig

PPG 4 Annulus Press = 262.9 psig

### **Site Observations:**

-None

## **Operational Notes:**

- -Gas removal or oil withdrawal:
  - -No gas was removed yesterday.
  - -Westlake operations did not attempt oil withdrawal from #7 to frac tank yesterday.
- -6X Obstruction Remediation:
  - -5.5" pipe was installed and sonar should be taken this

morning.

- -Monitoring wells:
- -Work plans approved by DNR. Scheduled to start no later than 11/13, installation duration is expected to take 45 days. A discussion on the due date of Dec  $1^{st}$  will need to be addressed.
- -Sub-surface Seismic:
  - -Long lead items have been ordered. We are still on track for installation in early 2024.
- -Geo-mechanical Studies:
  - -Respec Phase 2 is on-going.
- -Insar
- -Meeting scheduled for next week to discuss the re-processed data set from Trea.
- -3D Seismic
- -top of salt and caprock mapping methodology report will be submitted this Friday. Top of caprock map will be submitted Nov  $3^{\rm rd}$ . Top of salt map will be updated to include 100' contours further to the central part of the dome. Fault plane map with be submitted by Nov  $29^{\rm th}$ .
- -Third Supplement Order
- -received, most likely will request informal meeting to get clarification, internal meetings scheduled today to start addressing these orders



# Sulphur Field Observation Daily Report (Dayshift)

					Bubbling - no
Site 1 (E of #22 BW)	(Circle One)	More Intense	Less Intense		change in intensity
Site 1 (E of #22 BW)	-	Morning	Afternoon		
02		20.8	21,0	10	
02		20.0		1	
112S/Methane		0	0	1	
H2s		0	1 3	1	
PID (VOC)		Ö	O		
7.0.				1	
			Less Intense	No Bubbles	Bubbling - no change in
au a (a l Jaka)	(Circle One)	More Intense	ress intense	140 Bubbles	intensity
Site 3 (Central Lake)		Morning	Afternoon		
0:	,	209	208	1	
			0	1	
Methan	е	5	1 5		
H2	s	C	1 4	-	
PID (VOC	<u>:</u> }	0			
	·			1	Bubbling - no
	(Circle One)	More intense	Less Intense	No Bubbles	change in
Site 4 (Central Lake)	(Circle One)	Wiote Interise			intensity
Site 4 (central asse)	-7:	Morning .	Afternoon	_	
c	12	1 209	1 20 8		
		T)	0		
Methar		r	7		
H	2s		1 5	-	
PID (VO	C)	()		_1	
	-ı			1	Bubbling - no
	(Circle One)	More Intense	Less Intense	No Bubbles	change in
Site 5 (Central Lake)		(8)			Intensity
		Morning	Afternoon		
	02	70.1	1200	_	
Metha	ne	()	-0	_	
H	12s	0	0		
PID (VC	ncl	Ö	0		
110(40	,,,	1			
					Bubbling - no
	(Circle One	More Intense	Less Intense	No Bubbles	change in intensity
Site 6 (Central Lake)		Morning	Afternoon		Intensity
		1) 1) (1	30.8		
	02	700	10.0		
Meth	ane	0	0	-	
1	H2s	0	Q		
PID (V	OC)	0			
				No Dubli	Bubbling - no
m =10 11-1-3	(Circle On	e) More Intense	Less Intense	No Bubble	//
Site 7 (Central Lake)	(Circle On	7			change in
Site 7 (Central Lake)		More Intense			change in
	02	7	g Afternoo		change in
Site 7 (Central Lake) Metf	O2 nane	7	g Afternoo		change in
	02	7	g Afternoo		change in

Site 8 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
OZ		209	30%	1	
		1)	0	1	
Methane		<u> </u>	- X	-	
H2s			Q		
PID (VOC)		0	()		
0.				4.	
	·			T.	
Site 9 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no
Sife a (44 BAA Loug)	(Circle One)	lviore intense	Less intense	INO BUDDIes	change in
		Morning	Afternoon		intensity
		200	210	1	
02		70.4	110		
Methane					
112-				1	
H2s		0	2	-	
PID (VOC)					
				1	But tillian and
Site 10 (Yellow rock #7)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in
	(on one one,	Wiore intense	LC33 III(eli3e	INO BUDDIES	Intensity
		Morning	Afternoon	~	micenalty
		208	A .	1	
02		700	1/10		
Methane		0			
112-		Õ	0	1	
H2s		-		-	
PID (VOC)		0	1)		
			0		/
Site 12 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in
					intensity
		Morning	Afternoon	-	( /
02		10.9	205		
Methane		0	0		
Mediatie		(2)	3	4	
H2s		U	0		
PID (VOC)		0		Ť	
			Til Control		<b>_</b>
Site 14 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		/
		70.0	0 40 8	-	
02		20-1	500	4	
Methane					
H2s		1	0		
		=====================================	1 3	-	
PID (VOC)					
Site 17 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afterngon	1	, , ,
		211 0	74.8	1	
02			6070	-	
Methane		()	0		
H2s		()	0	4	
		0	1 4	-	
PID (VOC)				_1	
Site 18 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in
		Marsina	Afternoon	4	intensity
		Morning	Afternoon		
02		20.4	100		
Methane		(1)	0		
		0	1 ~	7	
H2s		<u> </u>	1 2	_	
PID (VOC)		1 ()		T.	

	1	7		
Site 21 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles Change in
	-	Morning	Afternoon	intensity
		a a	208	
02		411	10.0	
Methane			0	
		- X	1 0	-
H2s				
PID (VOC)				
Site 22 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles Change in
		Morning	Afternoon	ntensity
		200		1 \ /
02		10.9	70.8	
Methane				
		-	-	
H2s				1
PID (VOC)		O	0	
Site 23 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles   Bubbling - no   Change in
		Morning	Afternoon	intensity
		10 C	26 8	
O2		1	200	
Methane			0	
		2	1 ×	-
H2s		1 6		11
DID (HOC)		(5)	(3)	7
PID (VOC)		· · ·		
Site 24 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles Bubbling - no change in intensity
		Morning	Afterngon	
02		1100	208	
O2		40	200	
Methane		0	0	
		-	10	<del>- 1</del>
H2s			0	_4
PID (VOC)		0		
Site 25 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles bybbling - no change in intensity
		Morning	Afternoon	
02		000	266	
02		1-0-64	500	4
Methane		(1)	0	1
		1)	<u> </u>	-
H2s		Ų		
PID (VOC)		U		
ilte 19 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles Bubbling - no change in Intensity
		Morning	Afternoon	
O2		1114	710	
		-0.1	-	-
Methane		O	Ú	
H2s		0	0	
HZS			-	
PID (VOC)		0		],
ite 20 (Sheen on Crystal				
reek (Big Pond))	(Circle One)	Present	Not Present	
reer (DIR LOUGH)				-4
		Morning	Afternoon	
02		N/A	N/A	
				-
Methane		N/A	N/A	<u></u>
H2s		N/A	N/A	
PID (VOC)				
PID (VOC)		N/A	N/A	

#7B Welthead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity	)			
O2 Methane	2	Morning 20.8	Afternoon 2 0						
HZS PID (VOC)		-8	1.8						
#7A Plugged Well Site	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity				
O2 Methane H2s PID (VOC)	:	Morning 20.8	Afternoon 2 0						
#26 Bubble site (Crystal Lake Big Pond) O2 Methane H2s PID (VOC)	(Circle One)	More Intense  Morning  2 0 9	Afternoon Z . C	No Bubbles	Bubbling - nd change in intensity				
#7 Well Pad Site General Housekeeping	] ]	Check hoses at ea rental pump Check c	or leaks or oil/brine ach connection from to piping tie-in ellar for oil thead for leaks	-					
New Observation or comments?		Fuel a	#     • Cl	3/4	hma	#2	F	Signature:	12

	Central Lake Water Column Profile							
	Sulphur Dome - Calcasieu Parish, Louis							
	Date:	10/27/23	8'.42					
	Depth (ft):	t): 4ff 2						
		Top (Blue)	Middle (Yellow)	Bottom (Red)				
0	pH	8,19	7.96	7.92				
Cond	SC (uS/cm)	4035	3990	3946				
	ORP (mV)	80	92	9.7				
	Temp (°C)	269	7.06	26.3				
	TDS (ppm)	3036	2995	29112				
	Date:		Time:					
	Depth (ft):							
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Top (Blue)	Middle (Yellow)	Bottom (Red)				
4	рН							
Cond -	SC (uS/cm)							
	ORP (mV)		11					
	Temp (°C)							
	TDS (ppm)							
	Date							
	Date: Depth (ft):		Time:					
	Depth (It):	T (DI )						
	2011	Top (Blue)	Middle (Yellow)	Bottom (Red)				
0	pH SC (vs (see)							
Cond.	SC (uS/cm)							
	ORP (mV)							
	Temp (°C)							
	TDS (ppm)	35 To 12 Sept 27 1	Afford marklesses					
	Date:		Time					
	Depth (ft):		Time:					
	Dopen (rej.	Top (Blue)	Middle (Velleys)	D. 11 (D. 1)				
	рН	Top (blue)	Middle (Yellow)	Bottom (Red)				
Cond	SC (uS/cm)							
Cona	ORP (mV)							
	Temp (°C)							
	TDS (ppm)							
	(ppin)			V				

Sulphur Field Observation Dally Report (Nightshift)

	2		7	La	7	3	00	7	25
E est	1	183	320	142/g	177,	256	386.1	1548	Nor
Зат	22.5	434,3	320.7	M25/92	(77)				<u>.                                      </u>
Zam	12.7	U34.U	3203	76/52M	17771				
Jam	8.22	<b>นั่</b> งนู้ที่	3.078	26/52h1	1777	ſ			
12am	h'22	U34,4	321.1	26/62h1	(77.8	.N			
13pm	72.5	h3h'n	321, 1	1429/92	17.8				
10pm	72.5	5 neh	27/28	1425/92	177.8				
Mq6	72.4	h'hEh	23(10)	1425/92	177.9				
Spm	72.6	h hEh	321.7	1425/92	177.70				
79111	72.7	434.6	3220	26/52m	1727				
- md9	72.5	434.5	321.7	1425/92	177.5	256.09	388.79	10'h5	162.58
Spm	72.2	434.7	321,3	16/52ml	17.71		14 2	67	7
	7b Tubing Pressure	7b Annulus Pressure	7b injection Rate	7b Downhole Gauge	бх Pressure	2 Tubing Pressure	2 Annulus Pressure	4 Tubing Pressure	4 Annulus Pressure



