# **Pressure Data:**

#### <u>10/15/2023 @ 6PM</u>

7B Tubing Press = 74.9 psig 7B Annulus Press = 430.5 psig Downhole Pressure in 7B Tubing = 1420 psig 7B Brine Injection Rate = 317.6 GPM 6X Annulus Press = 175.2 psig PPG 2 Tubing Pressure = 245.7 psig PPG 2 Annulus Press = 355.9 psig PPG 4 Tubing Pressure = 242.7 psig PPG 4 Annulus Press = 251.1 psig

### <u>10/16/2023 @ 4AM</u> 7B Tubing Press = 73.8 psig 7B Annulus Press = 429.1 psig Downhole Pressure in 7B Tubing = 1420 psig 7B Brine Injection Rate = 317.7 GPM 6X Annulus Press = 175.2 psig PPG 2 Tubing Pressure = 245.8 psig PPG 2 Annulus Press = 357.6 psig PPG 4 Tubing Pressure = 243.2 psig PPG 4 Annulus Press = 251.7 psig

## Site Observations:

-Confirmed that we can work under NWP 6 in this area W of #7. Excavation schedule for mid to late October, pending equipment availability.

# **Operational Notes:**

-Gas removal or oil withdrawal:

-Gas was removed from PPG 4 yesterday, volume will be calculated.

-Westlake operations did not attempt oil withdrawal from #7 to frac tank yesterday.

-6X Obstruction Remediation:

-Work scheduled to start today. Work planned approved by IMD>

-3D Seismic:

-TOS map submitted to IMD.

-Monitoring wells:

-New locations have been reviewed with DNR and Westlake. ERM will begin preparing the work plans.

-Sub-surface Seismic:

-Long lead items have been ordered. We are still on track for installation in early 2024. -Geo-mechanical Studies:

-Westlake is working with Lonquist to fund Respec on phase 2 modeling.

-Insar

-Recent data set continues to show recent non-linear trends. The data set also show areas outside of the dome experiencing similar displacements. TREA has been notified of these areas and is performing some quality control checks to investigate these areas further.



Date: 10-15-23

Sulphur Field Observation Daily Report (Dayshift)

r					
Site 1 (E of #22 BW)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling no mange in otensity
[		Morning	Afternoon		MUCEDIAN
02	20.9	20 9			
H2S/Methane		0	0		
H2:	i	ao	10.0		
PID (VOC	F .	0.0	0.0		
Site 3 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - ho mange in intensity
		Morning	Afternoon		Millensity
02		20.8	20.9		
Methane		٥	0		
H2s	;	0.0	0.0		
PID (VOC		0.0	0.0	1	
		T.	- 1		
Site 4 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling bo change in intensity
		Morning	Afternoon		$\cup$
02		20.9	20.8		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)	0.0	0.0			
Site 5 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		Internity
02		20.1	20.8		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		
				×	7
Site 6 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon	_	0
02		20.8	20.8		
Methane		3	U		
H2s	0.0	0.0			
PID (VOC)		0.0	0.0		
	-				$\bigcirc$
iite 7 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no mange in intensity
		Morning	Afternoon	-	
01		20.5	20.9		
02		-			
Methane		0	0		

Site 8 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon	-	THE COUNTY
02		20.9	20.9		
Methane		0	D		
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		
lte 9 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		C
02		20.8	20.9		
Methane		0	8		
H2s		0.0			
			00		
PID (VOC)		0,0	0.0		
ite 10 (Yellow rock #7)	(Circle One)	More Intense	Less Intense	Notaubbles	Bubbling - no change in intensity
		Morning	Afternoon	_	- unsum402.014
02		20.9	20.8		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)				-	
PID (VOC)		0.0	0.0		
ite 12 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling no hange in intensity
		Morning	Afternoon	_	$\cup$
02		20.9	219	_	
Methane		0	0	_	
H2s		0.0	0.0		
		9.0		-	
PID (VOC)		0.0	0.0		
PID (VOC)				]	Dubble ba
	(Circle One)			No Bubbles	Bubbling sho change in intensity
	(Circle One)	0.0	0.0	No Bubbles	change in
	(Circle One)	U+ U More Intense Morning 20- 9	C • D	No Bubbles	change in
ite 14 (Central Lake)	(Circle One)	0.0 More Intense	C • D	No Bubbles	change in
iite 14 (Central Lake) O2	(Circle One)	U · U More Intense Morning 20.9 0	Less Intense Afternoon	No Bubbles	change in
iite 14 (Central Lake) O2 Methane	(Circle One)	Nore intense Morning 20.9 0 0	Less Intense Afternoon 20.9 0	No Bubbles	change in
iite 14 (Central Lake) O2 Methane H2s	(Circle One)	U · U More Intense Morning 20.9 0	Less Intense Afternoon 20.9	No Bubbles	change in intensity
Site 14 (Central Lake) O2 Methane H2s	(Circle One)	U·U   More Intense   Morning   JO·Q   O·O   O·O   O·O   More Intense	Less Intense Afternoon 20.9 0	No Bubbles	change in
iite 14 (Central Lake) O2 Methane H2s PID (VOC)		U · U More Intense Morning Jg. 9 O · 0 O · 0	0.0 Less Intense Afternoon 20.9 0 0 0 0 0 0		change in intensity Buttring no change in
iite 14 (Central Lake) O2 Methane H2s PID (VOC)	(Circle One)	U·U   More Intense   Morning   JO·Q   O·O   O·O   O·O   More Intense	Less Intense Afternoon Do 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		change in intensity Buttring no change in
ite 14 (Central Lake) O2 Methane H2s PID (VOC) Ite 17 (Central Lake)	(Circle One)	U · U More Intense Morning Ja · 9 O · 0 O · 0 More Intense Morning	Less Intense Afternoon Do . 9 O . 0 D . 0 Less Intense Afternoon		change in intensity Buttring no change in
ite 14 (Central Lake) O2 Methane H2s PID (VOC) Ite 17 (Central Lake) O2	(Circle One)	Nore Intense Morning Ja. 9 O . 0 O . 0 More Intense Morning Ja. 8	Less Intense Afternoon Do . 9 O . 0 O . 0 Less Intense Afternoon DO . 1		change in intensity Buttring no change in
ite 14 (Central Lake) O2 Methane H2s PID (VOC) ite 17 (Central Lake) O2 Methane	(Circle One)	U. U     More intense     Morning     JB. 9     O. 0     More Intense     More Intense     Morning     JB. 8     O	Less Intense Afternoon Do 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		change in intensity Buttring no change in
iite 14 (Central Lake) O2 Methane H2s PID (VOC) iite 17 (Central Lake) O2 Methane H2s	(Circle One)	More Intense Morning 20-9 0-0 0-0 More Intense Morning 20-8 0 0 0-0	Less Intense Afternoon Do . 9 O . 0 D . 0 Less Intense Afternoon D . 1 O . 0		Butting n change in incessity
Site 14 (Central Lake) O2 Methane H2s PID (VOC) Site 17 (Central Lake) O2 Methane H2s	(Circle One)	U. U     More Intense     More Intense     More Intense     More Intense     Morning     J. U     O     O     O     O     More Intense	Less Intense Afternoon Do 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Change in intensity Buttime in change in
iite 14 (Central Lake) O2 Methane H2s PID (VOC) iite 17 (Central Lake) O2 Methane H2s PID (VOC) iite 18 (Central Lake)	(Circle One)	U. U     More intense     Morning     JB. 9     O     O     More Intense     Morning     JB. 8     O     O     JO. 0     More Intense	○     .       Less Intense     Afternoon       ○     .       ○     .       ○     .       ○     .       Less Intense     Afternoon       ↓     .       Less Intense     Afternoon       ↓     .       ○     .       ○     .       ○     .	No Bubbles	Bubbling - no change in incensity
Site 14 (Central Lake) O2 Methane H2s PID (VOC) Site 17 (Central Lake) O2 Methane H2s PID (VOC) Site 18 (Central Lake)	(Circle One)	U. U     More intense     Morning     JB. 9     O. 0     Ø. 0	Less Intense Afternoon Do 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No Bubbles	Bubbring - no change in incensity
iite 14 (Central Lake) O2 Methane H2s PID (VOC) ite 17 (Central Lake) O2 Methane H2s PID (VOC) ite 18 (Central Lake)	(Circle One)	U. U     More intense     Morning     JB. 9     O     O     More Intense     Morning     JB. 8     O     O     JO. 0     More Intense	Less Intense Afternoon Do . 9 O O . 0 D . 0 Less Intense Afternoon D . 0 O . 0 Less Intense Afternoon Z . 9 D . 1 D . 1	No Bubbles	Bubbring - no change in incensity
iite 14 (Central Lake) O2 Methane H2s PID (VOC) ite 17 (Central Lake) O2 Methane H2s PID (VOC) ite 18 (Central Lake)	(Circle One)	U. U     More intense     Morning     JB. 9     O. 0     Ø. 0	Less Intense Afternoon Do 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No Bubbles	Bubbling - no change in incensity

					Bubbling no
Site 21 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	nange in ntensity
		Morning	Afternoon	_	
02		20.8	20.9	_	
Methane		0	0	_	
H2s		0.0	0.0		
PID (VOC)		0.0	0,0		
Site 22 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling ma change in intensity
		Morning	Afternoon		11 Shared and
02		20.9	20.5		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		00	0.0		
Site 23 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling no change in intensity
02		Morning	Afternoon		$\sim$
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		0-0	0.0		
Site 24 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbiling - no change in lotensity
		Morning	Afternoon		potensite
02		20.9	20.8		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		
Site 25 (Central Lake)	(Circle One)	More Intense	Less Intense	NeBubbles	Bubbling - no change in intensity
		Morning	Afternoon		
02		20.9	20.9		
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		
Site 19 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling to change in lotensity
02		Morning	Afternoon	_	
Methane		0	0		
H2s		0.0	0.0		
PID (VOC)		4.0	0.0		
Site 20 (Sheen on Crystal Creek (Big Pond))	(Circle One)	Present	Not Present		
		Morning	Afternoon	-	
		N/A	N/A	_	
02					
Methane		N/A	N/A	_	
		N/A N/A	N/A N/A N/A	_	

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#7B Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
02		20.9	20.9		
Methane		0	0	_	
H2s		0.0	0.0	-	
PID (VOC)		0.0	0.0		
	·	1	1	r	Bubbling - no
#7A Plugged Well Site	(Circle One)	More Intense	Less Intense	NoBubbles	change in intensity
		Morning	Afternoon		
02		20.8	20.9		
Methane		0	0		
HZs		0.0	0.0		
PID (VOC)		0.0	0.0		
#26 Bubble site (Crystal Lake Big Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling? m phange in intensity
		Morning	Afternoon		
02		20.9	20.8		
Methane		0	0	-	
H2s		0.0	0.0		
PID (VOC)		0.0	0.0		

#7 Well Pad Site General Housekeeping

Check Berms for leaks or oil/bring
Check hoses at each connection fro
rental pump to piping tie-in
Check cellar for oil
Check Wellhead for leaks

New Observation or comments?

Firel	Cell	#1-	3/4 Full	Si
Fuel	Cull	#2-	Full	

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Date: 10/15/23

#### Sulphur Field Observation Daily Report (Nightshift)

	Spm	6pm -	7pm	8pm	9pm	10pm	11pm	12am	1am	2am	3am	4am
7b Tubing Pressure	15.2	74.9	74.7	74.6	74.4	14.5	74,3	741.2	74.1	74.2	73.9	73.8
7b Annulus Pressure	4130.6	430.5	430.1	930.0	429.7	429.6	129.5	429.4	429.3	4292	429.2	4291
7b Injection Rate	317.5	317.6	317.3	317,7	317.9	318.3	377.5	317.7	311.6	317,9	317.5	3177
7b Downhole Gauge	1420/92	1420/92	142/92	1420/9	142043	1420172	142042	1420/	1420ki	1420/12	1420/	21420/92
6x Pressure	175.2	175.2	175.2	175-2	175.2	175.2	175.2	175.2	125.2	1752	175.2	175-2
2 Tubing Pressure		2457										249.8
2 Annulus Pressure		355.7										591.6
4 Tubing Pressure		272.1										2430
4 Annulus Pressure		251.1										271.1



