



TEP ROCKY MOUNTAIN LLC SURFACE POST JOB REPORT

**FEDERAL #RG 322-13-298 05-103-12602
S:13 T:2S R:98W Rio Blanco CO**

CallSheet #: 92636
Proposal #: 78209



SURFACE Post Job Report

Attention: Mr. Dustin Childers | (936) 524-8828 | dchilders@terraep.com
Terra Energy Partners, LLC
4828 Loop Central Dr., Suite 900 | Houston, TX 77081

Dear Mr. Dustin Childers,

Thank you for the opportunity to provide cementing services on this well. American Cementing strives to achieve complete customer satisfaction. If you have any questions regarding the services or data provided, please contact American Cementing at any time.

Sincerely,

Addison Kneale

Field Engineer I | (904) 228-9560 | addison.kneale@americacementing.com

Field Office 28730 US-6, Rifle, CO 81650
Phone: (970) 657-1187

Job Details & Summary

Geometry

Type	Function	OD (in)	ID (in)	Weight (lb/ft)	Thread	Top (ft)	Bottom (ft)	Excess (%)
Casing	Outer	20	19.5	53	n/a	0	80	0
Open Hole	Outer	n/a	17.5	n/a	n/a	80	1372	30
Casing	Inner	13.375	12.615	54.5	n/a	0	1372	0

Equipment / People

Unit Type	Unit	Power Unit	Employee #1
Field Storage Silo	FSS-473		
Cement Trailer Float	CTF-182	TRC-249	Steven Richey
Light Duty Vehicles	LDV-157		Bradley Boyd
Cement Pump Float	CPF-136	TRH-959	Francisco Castillo

Timing

Event	Date/Time
ERTS	08/20/2024 10:00
Call Out	8/20/2024 04:46
Depart Facility	8/20/2024 07:00
On Location	8/20/2024 10:00
Rig Up Iron	8/20/2024 10:30
Job Started	8/20/2024 11:25
Job Completed	8/20/2024 13:15
Rig Down Iron	8/20/2024 13:20
Depart Location	8/20/2024 14:00

General Job Information

Metrics	Value
Well Fluid Density	9.1 lb/gal
Well Fluid Type	WBM
Rig Circulation Vol	420 bbls
Rig Circulation Time	0.5 hours
Calculated Displacement	206 bbls
Actual Displacement	206 bbls
Total Spacer to Surface	75 bbls
Total CMT to Surface	66 bbls
Well Topped Out	No

Job Details

Metrics	Value
Well Full Prior to Job	Yes
Well Fluid Density Into Well	9.1 lb/gal
Well Fluid Density Out of Well	9.1 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	84 °F
BHST	102 °F

Water Analysis

Metrics	Value	Recommended
Water Source	None	
Temperature	74 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	240	0-1000
Total Hardness	250 mg/L	0-500 mg/L
Carbonates	0 mg/L	0-100 mg/L
Sulfates	220 mg/L	0-1500 mg/L
Potassium	240 mg/L	0-3000 mg/L
Iron	0 mg/L	0-300 mg/L

Circulation

Lost Circulation Experienced	Losses into Spacer	Losses into Cement	Losses into Displacement
No			



Job Execution Information

Fluid	Product	Function	Density (lb/gal)	Yield (ft ³ /sk)	Water Rq. (gal/sk)	Water Rq. (gal/bbl)	Volume (sks)	Volume (bbl)	Designed Top (ft)
1	Flush	Flush	8.34			42.00		75.00	0
2	Primary	Primary	12.30	2.31	13.17		548.00	225.37	0
3	Displacement	DisplacementFinal	8.34			42.00		206.00	0

Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
2	Primary	Primary	ASTM TYPE IL	Cement	100.00	%
2	Primary	Primary	A-10	Accelerator	5.00	%BWOB
2	Primary	Primary	A-2	Accelerator	3.00	lb/sk
2	Primary	Primary	A-7P	Accelerator	2.00	lb/sk
2	Primary	Primary	IntegraSeal POLI	LostCirculation	0.25	lb/sk
2	Primary	Primary	STATIC FREE	Other	0.01	lb/sk
2	Primary	Primary	XCem-311	Defoamer	0.30	%BWOB

Job Logs

Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
1	Callout	8/20/2024	04:45					On location at 10:00
2	Depart Location	8/20/2024	07:00					Crew left the yard
3	Arrive On Location	8/20/2024	10:00					Crew on location
4	Rig Up Iron	8/20/2024	10:30					Rig up meeting,rig up
5	Safety Meeting	8/20/2024	11:25					Pre job safety meeting
6	Pressure Test Lines	8/20/2024	11:30				3000	Pressure test lines
7	Pump Spacer	8/20/2024	11:32	8.34	7	75	396	Water spacer
8	Pump Cement	8/20/2024	11:40	12.3	7	50	580	Primary 548 sks/224bbls at 12.3ppg
9	Pump Cement	8/20/2024	11:48	12.3	7	50	420	100 bbl cement pumped
10	Pump Cement	8/20/2024	11:55	12.3	7	50	601	150 bbl cement pumped
11	Pump Cement	8/20/2024	12:03	12.3	7	74	600	224 bbl cement pumped
12	Shutdown	8/20/2024	12:15			224		Shut down,drop plug
13	Pump Displacement	8/20/2024	12:18	8.34	10	50	778	Displacement water
14	Pump Displacement	8/20/2024	12:30	8.34	10	50	891	100 bbl displacement pumped
15	Pump Displacement	8/20/2024	12:35	8.34	10	50	896	150 bbl displacement pumped
16	Pump Displacement	8/20/2024	12:38	8.34	10	46	902	196 bbl displacement pumped
17	Slow Pump Rate	8/20/2024	12:39	8.34	5	10	465	Slow rate
18	Land Plug	8/20/2024	12:41	8.34	5	206	1113	Land plug 66 bbl cement to surface
19	Test Casing	8/20/2024	12:41	8.34			1113	Test casing
20	Check Floats	8/20/2024	13:12					Got 1 bbl back to truck
21	Rig Down Iron	8/20/2024	13:15					Rig down meeting,rig down
22	Depart Location	8/20/2024	14:15					Crew left location

Pump Diagrams

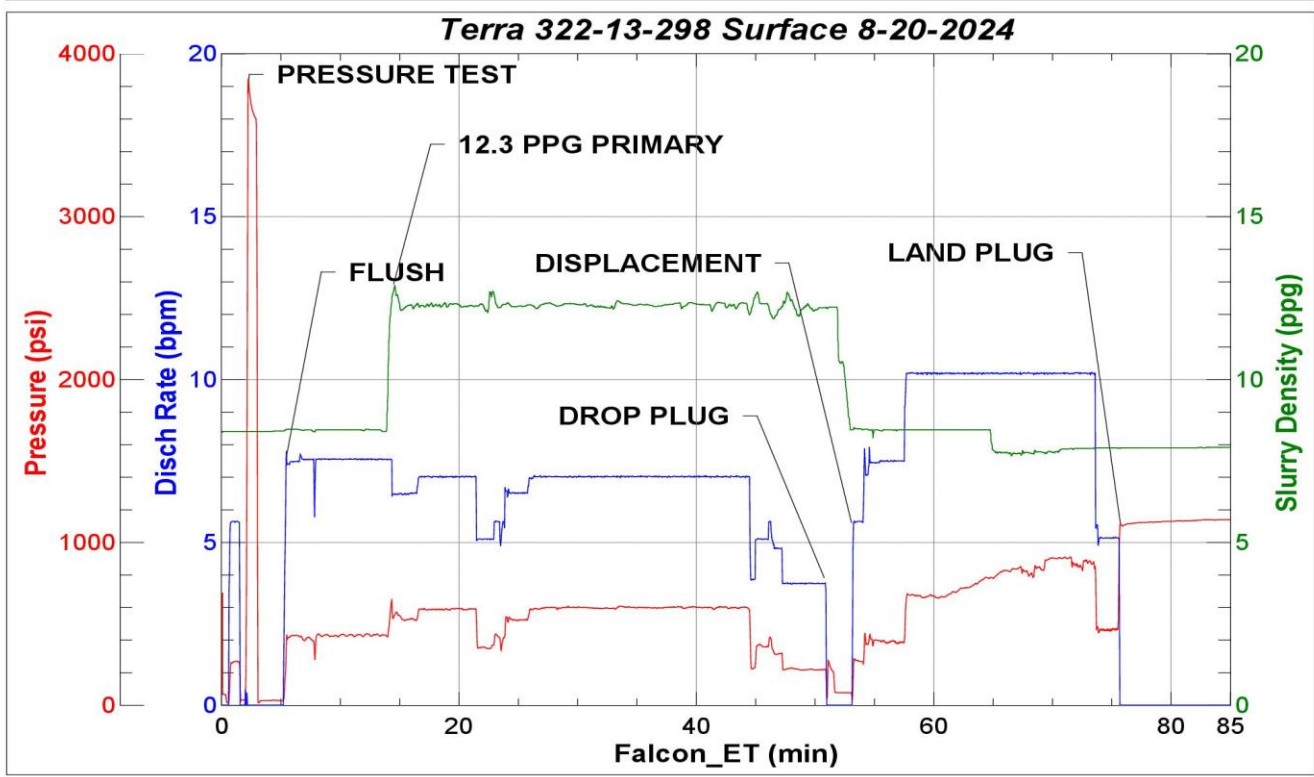


JobMaster Program Version 5.01C1

Job Number: 92636

Customer: Terra

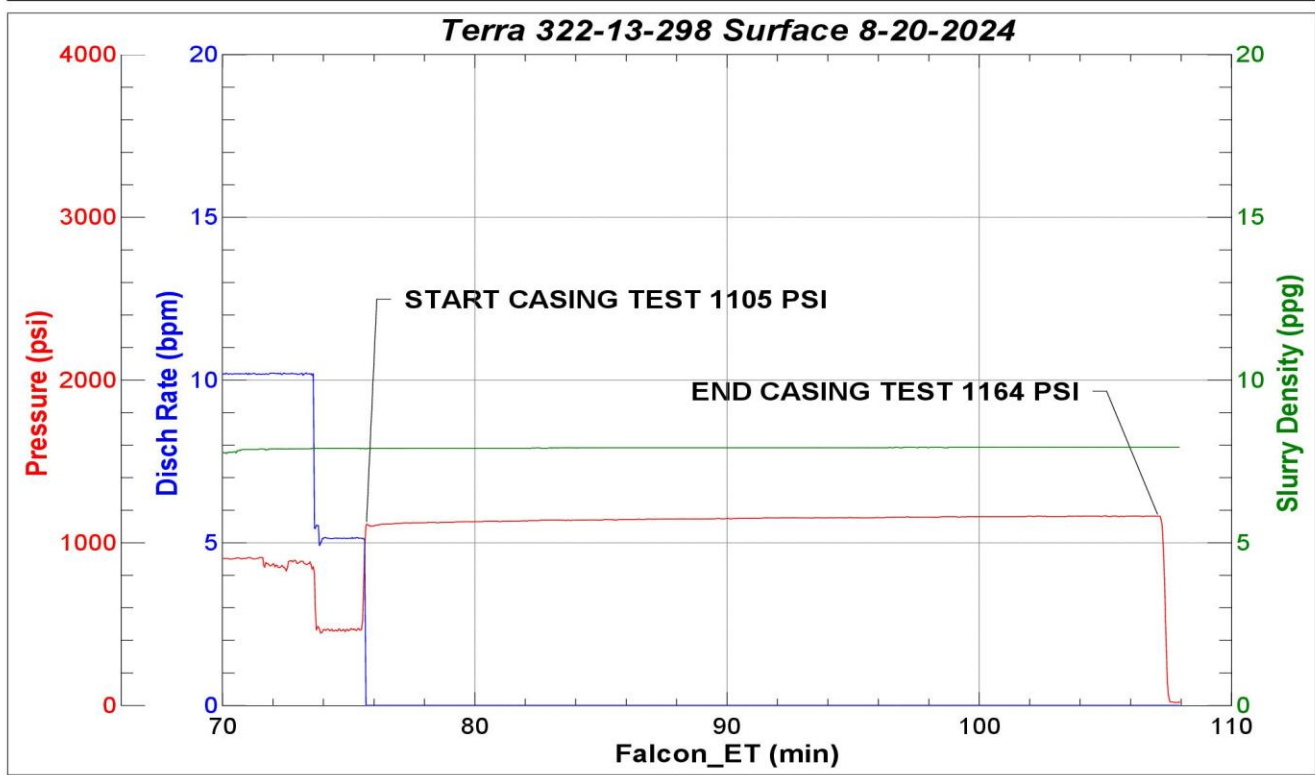
Well Name: FED RG 322-13-298



Job Start: Tuesday, August 20, 2024



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