



Terra Energy Partners, LLC

SURFACE POST JOB REPORT

FEDERAL RG 12-18-297 05-103-12477
S:7 T:2S R:97W Rio Blanco CO

CallSheet #: 82994
Proposal #: 62415



SURFACE Post Job Report

Attention: Mr. Jayson Boebert | (970) 274-2569 | jboebert@terraep.com
Terra Energy Partners, LLC
4828 Loop Central Dr., Suite 900 | Houston, TX 77081

Dear Mr. Jayson Boebert,

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,

Holly Mbugua

Field Engineer II | (720) 505-1300 | holly.mbugua@americancementing.com

Field Office 28730 US-6, Rifle, CO 81650
Phone: (970) 657-1157

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	1368	40
Casing	Inner	13.375	12.615	54.5	Buttress	0	1361.63	0

Equipment / People

Unit Type	Unit	Power Unit	Employee #1
Field Storage Float	FSF(CTF)-389		
AS Cement Trailer Float	CTF-7145	TRC(TRB)-180	Hutchinson, Michael
Cement Trailer Float	CTF-286	TRC(TRB)-201	Bonin, Matthew
Cement Pump Float	CPF-091	TRH-082	Hale, Jason
Light Duty Vehicles	LDV-062		Castillo, Francisco

Timing

Event	Date/Time
Call Out	8/16/2022 21:00
Depart Facility	8/16/2022 22:50
On Location	8/17/2022 00:10
Rig Up Iron	8/17/2022 01:00
Job Started	8/17/2022 16:25
Job Completed	8/17/2022 17:56
Rig Down Iron	8/17/2022 18:15
Depart Location	8/17/2022 19:00

General Job Information

Metrics	Value
Well Fluid Density	9 lb/gal
Well Fluid Type	WBM
Rig Circulation Vol	300 bbls
Rig Circulation Time	0.5 hours
Calculated Displacement	204 bbls
Actual Displacement	204 bbls
Total Spacer to Surface	20 bbls
Total CMT to Surface	88 bbls
Well Topped Out	No

Job Details

Metrics	Value
Flare Prior to Job	No
Flare Prior to Job	0 units
Flare During Job	No
Flare During Job	0 units
Flare at End of Job	No
Flare at End of Job	0 units
Well Full Prior to Job	Yes
Well Fluid Density Into Well	9 lb/gal
Well Fluid Density Out of Well	9 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	73 °F
BHST	89 °F

Water Analysis

Metrics	Value	Recommended
Water Source	None	
Temperature	71 °F	50-80 °F
pH Level	6	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	250	0-1000
Total Hardness	250 mg/L	0-500 mg/L
Carbonates	0 mg/L	0-100 mg/L
Sulfates	200 mg/L	0-1500 mg/L
Potassium	250 mg/L	0-3000 mg/L
Iron	0 mg/L	0-300 mg/L

Circulation

Lost Circulation Experienced
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	Water	Flush	8.34			42.00		20.00	0
2	Primary Cement	Primary	12.30	2.34	13.42		578.00	240.74	0
3	Water	DisplacementFinal	8.34			42.00		204.00	0

Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
2	Primary	Primary Cement	ASTM TYPE I/II	Cement	100.00	%
2	Primary	Primary Cement	A-10	Accelerator	5.00	%BWOB
2	Primary	Primary Cement	A-2	Accelerator	2.00	lb/sk
2	Primary	Primary Cement	A-7P	Accelerator	2.00	lb/sk
2	Primary	Primary Cement	FP-24	Defoamer	0.30	%BWOB
2	Primary	Primary Cement	IntegraSeal POLI	LostCirculation	0.25	lb/sk
2	Primary	Primary Cement	STATIC FREE	Other	0.01	lb/sk

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	8/16/2022	21:00					ON LOCATION AT 02:00 HRS
2	LEAVE YARD	8/16/2022	22:50					CREW LEAVE THE YARD
3	ON LOCATION	8/17/2022	00:10					CREW ON LOCATION, RIG STILL DRILLING
4	RIG UP	8/17/2022	01:00					RIG UP MEETING, RIG UP
5	SAFETY MEETING	8/17/2022	15:45					PRE-JOB SAFETY MEETING
6	PRSSURE TEST	8/17/2022	16:21				4000	PRESSURE TEST LINES
7	PUMP SPACER	8/17/2022	16:25	8.34	6	20	237	WATER SPACER
8	PRIMARY CEMENT	8/17/2022	16:27	12.3	6	50	419	578 SKS/241 BBLS AT 12.3 PPG
9	PRIMARY CEMENT	8/17/2022	16:36	12.3	6.5	50	417	100 BBLS CEMENT PUMPED
10	PRIMARY CEMENT	8/17/2022	16:44	12.3	6	50	421	150 BBLS CEMENT PUMPED, BULK TRUCK HOSE GOT PLUGGED, BUT WE GOT IT GOING AGAIN
11	PRIMARY CEMENT	8/17/2022	16:55	12.3	5.5	91	329	241 BBLS CEMENT PUMPED
12	SHUTDOWN	8/17/2022	17:25					SHUTDOWN, DROP PLUG
13	DISPLACEMENT	8/17/2022	17:28	8.34	7.4	50	310	DISPLACEMENT WATER
14	DISPLACEMENT	8/17/2022	17:35	8.34	7.4	50	451	100 BBLS DISPLACEMENT PUMPED
15	DISPLACEMENT	8/17/2022	17:42	8.34	7.4	50	555	150 BBLS DISPLACEMENT PUMPED
16	DISPLACEMENT	8/17/2022	17:48	8.34	7.4	44	603	194 BBLS DISPLACEMENT PUMPED
17	SLOW RATE	8/17/2022	17:53	8.34	3	10	407	SLOW RATE
18	LAND PLUG	8/17/2022	17:56				963	LAND PLUG, 88 BBLS CMT TO SURFACE
19	CHECK FLOATS	8/17/2022	18:00					FLOATS HELD, 0.5 BBL FLOW BACK
20	RIG DOWN	8/17/2022	18:15					RIG DOWN MEETING, RIG DOWN
21	LEAVE LOCATION	8/17/2022	19:00					CREW LEAVE LOCATION

Pump Diagrams



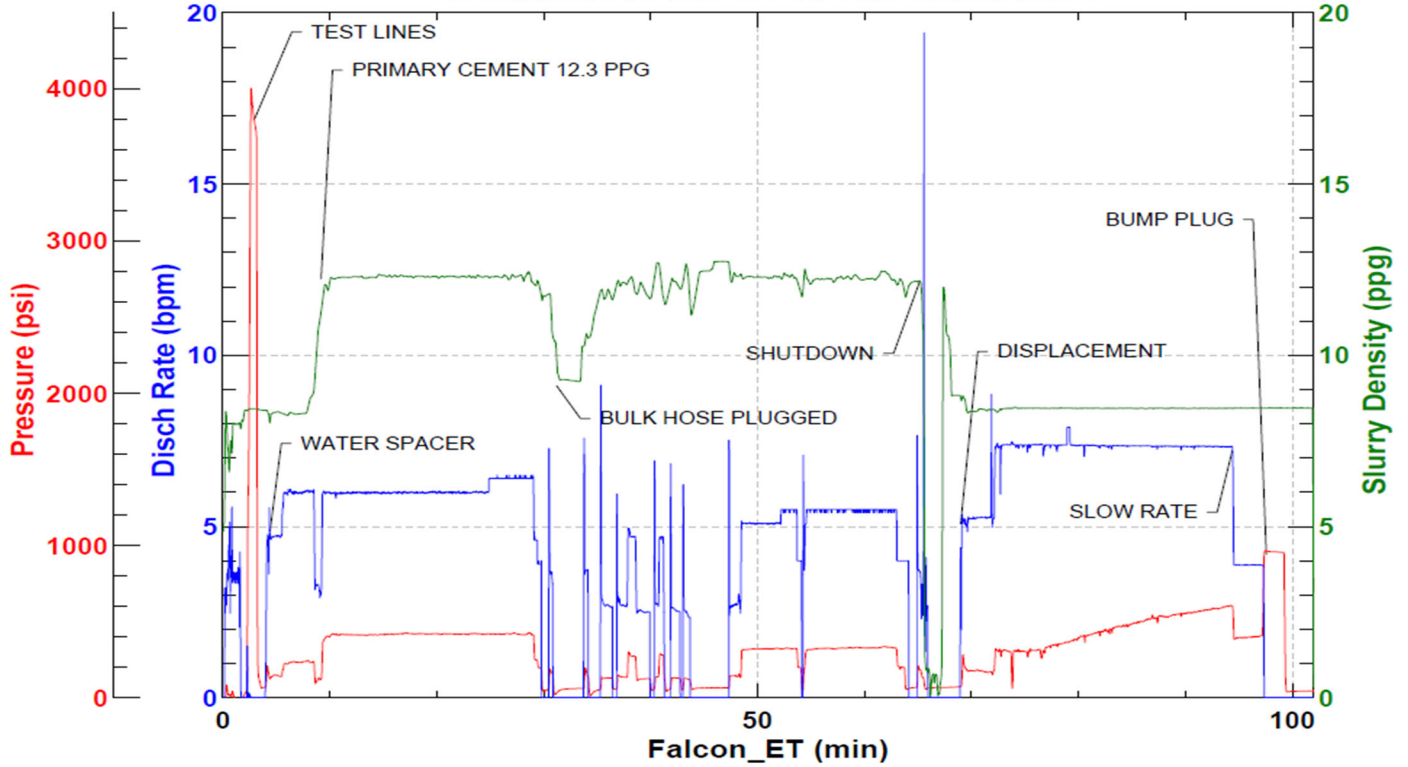
JobMaster Program Version 5.01C1

Job Number: 82994

Customer: TERRA

Well Name: FED RG 12-18-297

TERRA FED RG 12-18-297 SURFACE



Job Start: Wednesday, August 17, 2022