Terra Energy Partners, LLC
SURFACE POST JOB REPORT

FED RG 314-18-297 05-103-12574
S:13 T:2S R:98W Rio Blanco CO

CallSheet #: 90540
Proposal #: 74565

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
Lab Technician II | (904) 228-9560 | addison.kneale@americancementing.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	1377	5
Casing	Inner	13.375	12.615	54.5	n/a	0	1381.26	0

Equipment / People

Unit Type	Unit	Power Unit	Employee #1
Field Storage Silo	FSS-438		
Cement Trailer Float	CTF-522	TRC-769	Jacob Kirchenwitz
Light Duty Vehicles	LDV-087		Mark Rust
Light Duty Vehicles	LDV-157		Eric Brown
Cement Pump Float	CPF-052	TRH-855	

Timing

Event	Date/Time
ERTS	03/09/2024 23:30
Call Out	3/9/2024 15:30
Depart Facility	3/9/2024 19:00
On Location	3/9/2024 21:00
Rig Up Iron	3/10/2024 00:00
Job Started	3/10/2024 03:35
Job Completed	3/10/2024 05:52
Rig Down Iron	3/10/2024 06:45
Depart Location	3/10/2024 07:00

General Job Information

Metrics	Value
Well Fluid Density	9 lb/gal
Well Fluid Type	WBM
Rig Circulation Vol	500 bbls
Rig Circulation Time	1 hours
Calculated Displacement	207 bbls
Actual Displacement	207 bbls
Total Spacer to Surface	20 bbls
Total CMT to Surface	50 bbls
Well Topped Out	No
Top Out Volume	N/A bbls

Job Details

Metrics	Value
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	84 °F
BHST	102 °F

Water Analysis

Metrics	Value	Recommended
Water Source	None	
Temperature	65 °F	50-80 °F
pH Level	6	5.5-8.5
Chlorides	300 mg/L	0-3000 mg/L
Total Alkalinity	100	0-1000
Total Hardness	150 mg/L	0-500 mg/L
Carbonates	10 mg/L	0-100 mg/L
Sulfates	100 mg/L	0-1500 mg/L
Potassium	200 mg/L	0-3000 mg/L
Iron	10 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	Lead	Lead	12.30	2.31	13.16		458.00	188.34	0
3	Water	DisplacementFinal	8.34			42.00		207.00	0

Job Fluid Details

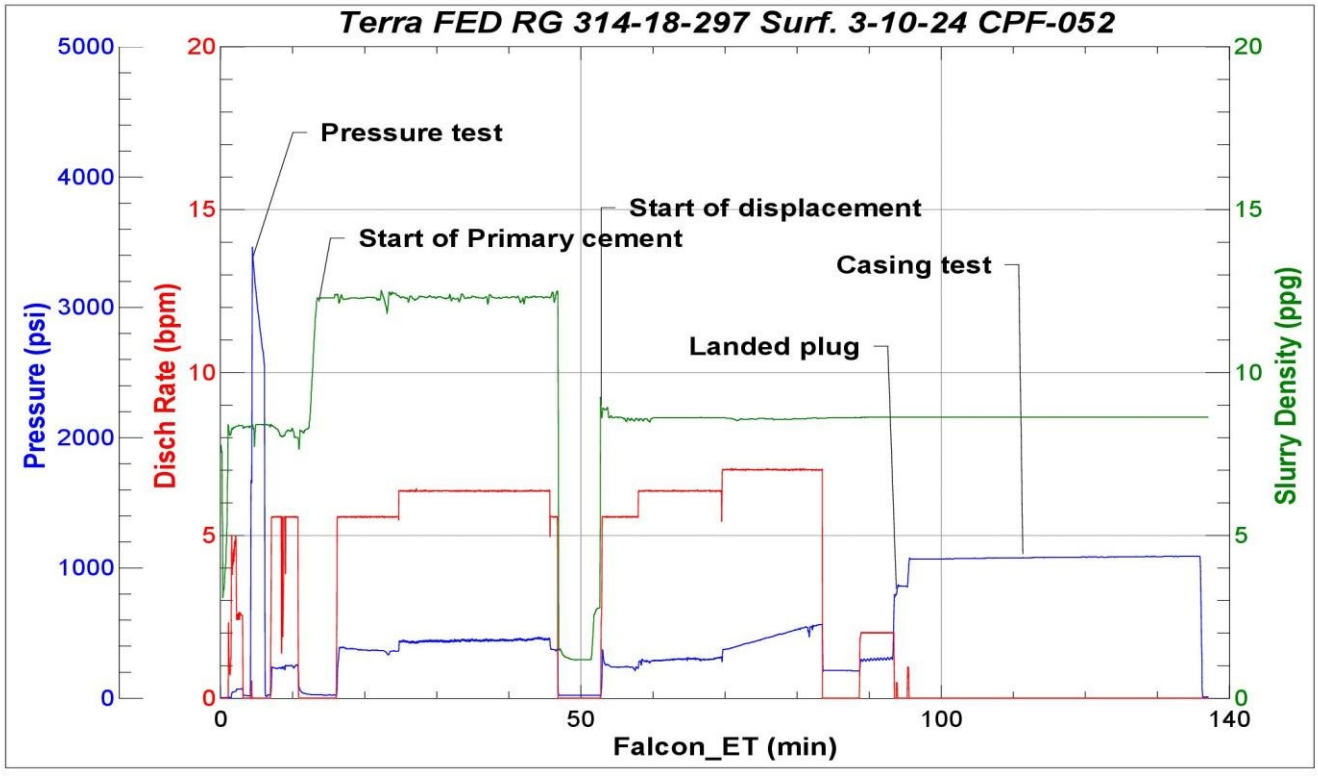
Fluid	Type	Fluid	Product	Function	Conc.	Uom
2	Lead	Lead	ASTM TYPE IL	Cement	100.00	%
2	Lead	Lead	A-10	Accelerator	5.00	%BWOB
2	Lead	Lead	A-2	Accelerator	3.00	lb/sk
2	Lead	Lead	A-7P	Accelerator	2.00	lb/sk
2	Lead	Lead	IntegraSeal POLI	LostCirculation	0.25	lb/sk
2	Lead	Lead	STATIC FREE	Other	0.01	lb/sk
2	Lead	Lead	XCem-308	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	Arrive On Location	3/9/2024	21:00					Arrived on location per customer request
2	Hazard assessment	3/9/2024	21:05					
3	Spot Equipment	3/9/2024	21:15					
4	Rig Up Iron	3/9/2024	22:00					
5	Safety Meeting	3/10/2024	03:15					
6	Stab head	3/10/2024	03:20					
7	Start Job	3/10/2024	03:35					
8	Fill Lines	3/10/2024	03:40	8.34	2	5	79	
9	Pressure Test Lines	3/10/2024	03:43	8.34	1	1	3000	Pressure tested lines to 3000psi
10	Start fresh water spacer	3/10/2024	03:47	8.34	5	20	250	Started on 20 bbl fresh water spacer flush
11	Start Primary Cement	3/10/2024	03:50	12.3	5	1	360	Started mixing 12.3ppg primary cement (2.31y, 13.16mw)
12	50 bbls of primary cement	3/10/2024	04:04	12.3	6	50	484	
13	100 bbls of primary cement	3/10/2024	04:12	12.3	6	100	520	
14	150 bbls of primary cement	3/10/2024	04:20	12.3	6	150	521	
15	End of primary cement	3/10/2024	04:29	12.3	5	188	486	
16	Shutdown	3/10/2024	04:30					Shut down to wash up pump and finish wash up on top of the top plug
17	Drop Top Plug	3/10/2024	04:33					
18	Start 207 bbls fresh water displacement	3/10/2024	04:33	8.34	5	1	274	Started the 207 bbl displacement
19	50 bbls of fresh water displacement	3/10/2024	04:41	8.34	6	50	335	
20	100 bbls of fresh water displacement	3/10/2024	04:49	8.34	6	100	326	
21	150 bbls of fresh water displacement	3/10/2024	04:56	8.34	7	150	491	
22	Shut down 10 bbls early	3/10/2024	05:03	8.34	7	197	561	Shut down 10 bbls early to allow cement to fall
23	Finish Displacement	3/10/2024	05:07	8.34	2	207	291	Finshed last 10 bbls of displacement
24	Final lift	3/10/2024	05:12	8.34	2	207	318	Final pressure to land the plug was 318psi
25	Plug landed	3/10/2024	05:12	8.34	2	207	870	Plug landed at 870
26	1100 psi casing test	3/10/2024	05:17	8.34	1	207	1070	Casing test for 30 mins Start psi 1070, final psi 1106
27	Check Floats	3/10/2024	05:52	8.34				1 Bbl back upon checking floats
28	End of cementing services	3/10/2024	05:52					End of cementing services
29	prerig down safety meeting	3/10/2024	06:00					
30	Rig Down Iron	3/10/2024	06:10					
31	Pre-convoy safety meeting	3/10/2024	07:00					
32	Depart Location	3/10/2024	07:15					
33	End Job	3/10/2024	07:15					End job

Pump Diagrams

JobMaster Program Version 5.01C1
Job Number: 90540
Customer: TERRA
Well Name: FED RG 314-18-297



Job Start: Sunday, March 10, 2024