



Terra Energy Partners, LLC

INTERMEDIATE POST JOB REPORT

FED RG 14-18-297 05-103-12576
S:13 T:2S R:98W Rio Blanco CO

CallSheet #: 91748
Proposal #: 76813



INTERMEDIATE 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	13.375	12.615	54.5	n/a	0	1380	0
Open Hole	Outer	n/a	12.25	n/a	n/a	1380	2582	50
Open Hole	Outer	n/a	12.25	n/a	n/a	2582	3126	50
Casing	Inner	9.625	8.921	36	n/a	0	3126	0

Equipment / People

Unit Type	Unit	Power Unit	Employee #1
Cement Trailer Float	CTF-385	TRC-112	Danny Ridgeway
Light Duty Vehicles	LDV-147		Eric Brown
Cement Pump Float	CPF-052	TRH-1140	James Lujan

Timing

Event	Date/Time
ERTS	06/04/2024 02:00
Call Out	6/3/2024 17:00
Depart Facility	6/3/2024 23:00
On Location	6/4/2024 01:00
Rig Up Iron	6/4/2024 01:30
Job Started	6/4/2024 05:10
Job Completed	6/4/2024 06:22
Rig Down Iron	6/4/2024 07:00
Depart Location	6/4/2024 08:00

General Job Information

Metrics	Value
Well Fluid Density	9 lb/gal
Well Fluid Type	WBM
Rig Circulation Vol	430 bbls
Rig Circulation Time	1 hours
Calculated Displacement	238 bbls
Actual Displacement	238 bbls
Total Spacer to Surface	0 bbls
Total CMT to Surface	0 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	87 °F
BHST	117 °F

Water Analysis

Metrics	Value	Recommended
Water Source	None	
Temperature	58 °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	50 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	1843
2	Lead	Lead	12.30	2.31	13.17		102.00	41.95	2082
3	Tail	Tail	12.80	2.03	11.16		125.00	45.28	2582
4	Water	DisplacementFinal	8.34			42.00		238.00	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-311	Defoamer	0.30	%BWOB
3	Tail	Tail	ASTM TYPE IL	Cement	100.00	%
3	Tail	Tail	A-10	Accelerator	5.00	%BWOB
3	Tail	Tail	A-2	Accelerator	2.00	lb/sk
3	Tail	Tail	A-7P	Accelerator	2.00	lb/sk
3	Tail	Tail	IntegraSeal POLI	LostCirculation	0.25	lb/sk
3	Tail	Tail	STATIC FREE	Other	0.01	lb/sk
3	Tail	Tail	XCem-311	Defoamer	0.30	%BWOB

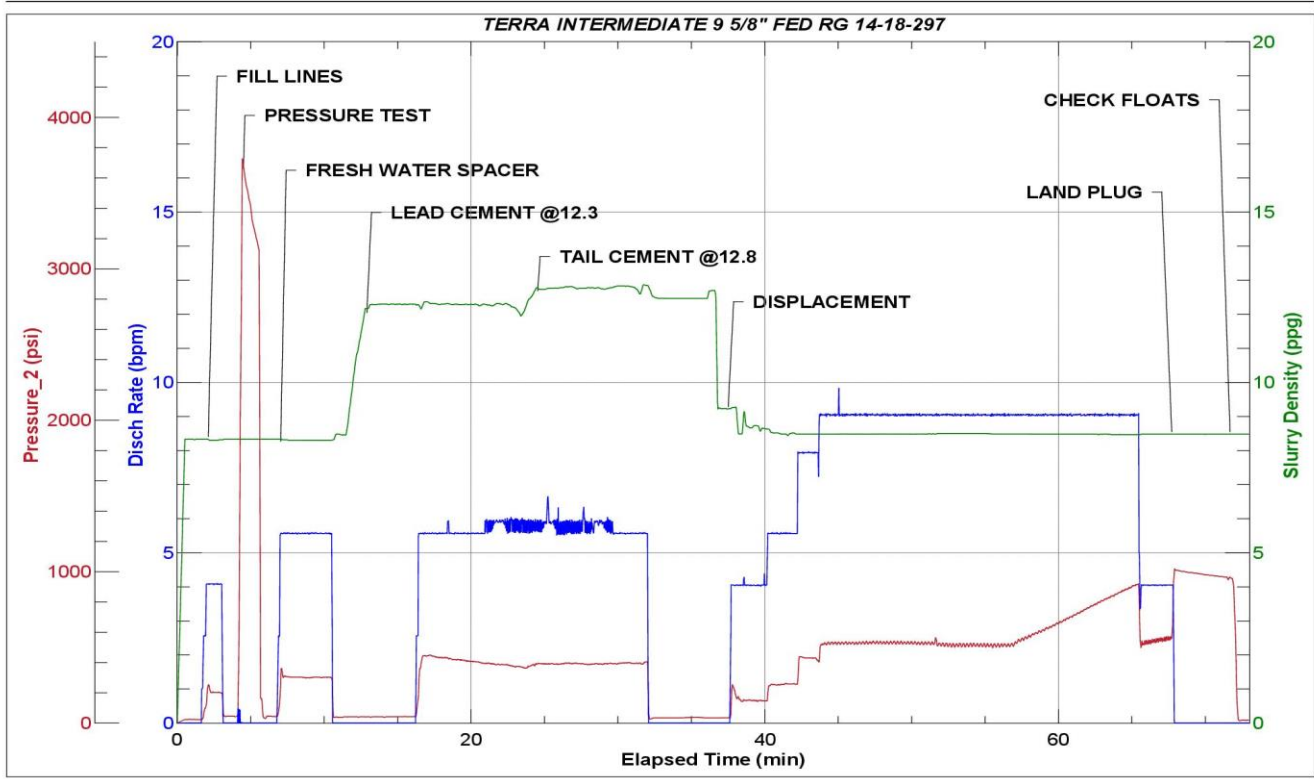
Job Logs

Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
1	Callout	6/3/2024	17:00					CREW CALLED IN TO PRE TRIP AND INSPECT EQUIPMENT
2	Safety Meeting	6/3/2024	22:30					PRE CONVOY SAFETY MEETING
3	Depart Location	6/3/2024	23:00					DEPART RCO YARD FOR CUSTOMER LOCATION
4	Arrive On Location	6/4/2023	01:00					ARRIVED ON CUSTOMER LOCATION PER REQUEST
5	Safety Meeting	6/4/2023	01:05					PRE RIG UP SAFETY MEETING
6	Rig Up Iron	6/4/2023	01:30					RIG UP IRON AND HOSES
7	Safety Meeting	6/4/2023	05:00					PRE JOB SAFETY MEETING WITH RIG CREW AND COMPANY MAN
8	Start Job	6/4/2023	05:10					START JOB
9	Fill Lines	6/4/2023	05:11	8.34	4	5	204	FILL LINES WITH 5 BBLS OF FRESH WATER
10	Pressure Test Lines	6/4/2023	05:13	8.34	1	1	3756	PRESSURE TEST LINES TO 3756
11	Pump Spacer	6/4/2023	05:15	8.34	5	20	303	PUMP 20 BBLS FRESH WATER SPACER
12	Pump Lead Cement	6/4/2023	05:24	12.3	5	0	427	START MIXING AND PUMPING 42 BBLS OF LEAD CEMENT @12.3 PPG (2.31 YLD, 13.17 GPS)
13	Pump Lead Cement	6/4/2023	05:31	12.3	5	42	368	PUMP 42 BBLS LEAD CEMENT
14	Pump Tail Cement	6/4/2023	05:32	12.8	5	0	364	START MIXING AND PUMPING 45 BBLS OF TAIL CEMENT @12.8 PPG (2.03 YLD, 11.16 GPS)
15	Pump Tail Cement	6/4/2023	05:40	12.8	5	45	425	PUMP 45 BBLS OF TAIL CEMENT
16	Shutdown	6/4/2023	05:42					SHUTDOWN AND WASH UP PUMP AND LINES ON TOP OF PLUG
17	Drop Top Plug	6/4/2023	05:47					DROP TOP PLUG. COMPANY MAN VERIFIED PLUG AWAY
18	Pump Displacement	6/4/2023	05:54	8.34	9	50	530	START PUMPING 238 BBLS OF FRESH WATER DISPLACEMENT/ 50 BBLS PUMPED OF FRESH WATER DISPLACEMENT
19	Pump Displacement	6/4/2023	06:00	8.34	9	50	529	PUMP 100 BBLS FRESH WATER DISPLACEMENT
20	Pump Displacement	6/4/2023	06:06	8.34	9	50	527	PUMP 150 BBLS FRESH WATER DISPLACEMENT
21	Pump Displacement	6/4/2023	06:11	8.34	9	50	798	PUMP 200 BBLS FRESH WATER DISPLACEMENT
22	Pump Displacement	6/4/2023	06:14	8.34	9	28	923	PUMP 228 BBLS FRESH WATER DISPLACEMENT AND BEGIN SLOW RATE
23	Slow Pump Rate	6/4/2023	06:14	8.34	4	10	573	SLOW RATE TO PREPARE TO LAND PLUG. PUMP 238 BBLS FRESH WATER DISPLACEMENT
24	Land Plug	6/4/2023	06:17				1006	PLUG LANDED. FCP 573 PSI. LAND PRESSURE 1006 PSI.
25	Check Floats	6/4/2023	06:22					1 BBL BACK UPON FLOAT CHECK
26	Safety Meeting	6/4/2023	06:30					PRE RIG DOWN SAFETY MEETING
27	Rig Down Iron	6/4/2023	07:00					RIG DOWN IRON AND HOSES
28	Safety Meeting	6/4/2023	07:15					PRE CONVOY SAFETY MEETING
29	Depart Location	6/4/2023	08:00					DEPART CUSTOMER LOCATION FOR RCO YARD
30	End Job	6/4/2023	08:00					END JOB

Pump Diagrams



JobMaster Program Version 5.01C1
Job Number: 91748
Customer: TERRA
Well Name: FED RG 14-18-297



Job Start: Tuesday, June 04, 2024