



Terra Energy Partners, LLC

SURFACE POST JOB REPORT

FED RG 512-18-297 05-103-12580
S:13 T:2S R:98W Rio Blanco CO

CallSheet #: 90560
Proposal #: 74571



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@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 | 114 | 0 |
| Open Hole | Outer | n/a | 17.5 | n/a | n/a | 80 | 1378 | 5 |
| Casing | Inner | 13.375 | 12.615 | 54.5 | n/a | 0 | 1382.69 | 0 |

Timing

| Event | Date/Time |
|-----------------|------------------|
| ERTS | 03/07/2024 01:30 |
| Call Out | 3/7/2024 16:30 |
| Depart Facility | 3/7/2024 22:30 |
| On Location | 3/8/2024 01:30 |
| Rig Up Iron | 3/8/2024 02:30 |
| Job Started | 3/8/2024 04:34 |
| Job Completed | 3/8/2024 07:00 |
| Rig Down Iron | 3/8/2024 08:00 |
| Depart Location | 3/8/2024 08:10 |

Equipment / People

| Unit Type | Unit | Power Unit | Employee #1 |
|----------------------|---------|------------|-------------------|
| Field Storage Silo | FSS-470 | | |
| Cement Trailer Float | CTF-340 | TRC-059 | Candace Serrano |
| Cement Pump Float | CPF-012 | TRH-1137 | Christopher Lough |
| Light Duty Vehicles | LDV-128 | | Gerron McClure |

General Job Information

| Metrics | Value |
|-------------------------|------------|
| Well Fluid Density | 8.8 lb/gal |
| Well Fluid Type | WBM |
| Rig Circulation Vol | 1 bbls |
| Rig Circulation Time | 375 hours |
| Calculated Displacement | 207 bbls |
| Actual Displacement | 207 bbls |
| Total Spacer to Surface | 20 bbls |
| Total CMT to Surface | 52 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 | 8.8 lb/gal |
| Well Fluid Density Out of Well | 8.8 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 | 200 mg/L | 0-3000 mg/L |
| Total Alkalinity | 100 | 0-1000 |
| Total Hardness | 10 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 | | 461.00 | 189.20 | 0 |
| 3 | Water | DisplacementFinal | 8.34 | | | 42.00 | | 207.30 | 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 | ARRIVED ON LOCATION | 3/8/2024 | 01:30 | | | | | ARRIVED ON LOCATION PER CUSTOMER REQUEST 01:30 |
| 2 | HAZARD ASSESMENT | 3/8/2024 | 01:35 | | | | | |
| 3 | SPOT EQUIPMENT | 3/8/2024 | 01:40 | | | | | |
| 4 | PRE RIG UP SAFETY MEETING | 3/8/2024 | 01:45 | | | | | |
| 5 | RIGGED UP | 3/8/2024 | 02:45 | | | | | |
| 6 | PRE JOB SAFETY MEETING | 3/8/2024 | 04:15 | | | | | |
| 7 | STAB HEAD | 3/8/2024 | 04:20 | | | | | |
| 8 | START JOB | 3/8/2024 | 04:34 | | | | | START JOB |
| 9 | PRESSURE TEST LINES 3000 PSI | 3/8/2024 | 04:35 | 8.34 | 1 | 1 | 3000 | PRESSURE TEST LINES 3000 PSI |
| 10 | 20 BBL FRESH WATER SPACER | 3/8/2024 | 04:37 | 8.34 | 5 | 20 | 480 | 20 BBL FRESH WATER DISPLACEMENT |
| 11 | START 189.2 BBL PRIMARY SLURRY @ 12.3 | 3/8/2024 | 04:41 | 12.3 | 5 | 1 | 290 | START 189.2 BBL PRIMARY SLUYRRY @ 12.3 (2.31,13.16) 461 TOTAL SACKS |
| 12 | 50 BBL GONE ON PRIMARY | 3/8/2024 | 05:06 | 12.3 | 6 | 50 | 508 | |
| 13 | 100 BBL GONE ON PRIMARY | 3/8/2024 | 05:14 | 12.3 | 6 | 100 | 504 | |
| 14 | 150 BBL GONE ON PRIMARY | 3/8/2024 | 05:23 | 12.3 | 6 | 150 | 505 | |
| 15 | END OF PRIMARY CEMENT | 3/8/2024 | 05:29 | 12.3 | 5 | 189.2 | 320 | END OF PRIMARY CEMENT |
| 16 | SHUTDOWN/ DROP TOP PLUG | 3/8/2024 | 05:31 | | | | | SHUTDOWN/ DROP TOP PLUG |
| 17 | START 207.3 BBL FRESH WATER DISPLACEMENT | 3/8/2024 | 05:34 | 8.34 | 4 | 1 | 158 | START BBL FRESH WATER DISPLACEMENT |
| 18 | CAUGHT CEMENT | 3/8/2024 | 05:36 | 8.34 | 7 | 27 | 329 | CAUGHT CEMENT @ 27 |
| 19 | 50 BBL GONE ON DISPLACEMENT | 3/8/2024 | 05:45 | 8.34 | 7 | 50 | 329 | |
| 20 | 100 BBL GONE ON DISPLACEMENT | 3/8/2024 | 05:53 | 8.34 | 7 | 100 | 475 | |
| 21 | 150 BBL GONE ON DISPLACEMENT | 3/8/2024 | 06:01 | 8.34 | 7 | 150 | 542 | |
| 22 | PRESSURE BEFORE SHUTDOWN | 3/8/2024 | 06:09 | 8.34 | 7 | 197 | 545 | PRESSURE BEFORE SHUTDOWN - 545PSI |
| 23 | SHUTDOWN/ HESITATE 10 MINUTES | 3/8/2024 | 06:09 | 8.34 | | 197 | 258 | SHUTDOWN/ BEGIN 10 MINUTE HESITATION - 258PSI |
| 24 | START DISPLACEMENT LAST 10 BBLs 2BPM | 3/8/2024 | 06:19 | 8.34 | 2 | 197 | 391 | START DISPLACING 2BPM AFTER 10 MINUTE HESITATION - 2BPM@391PSI |
| 25 | FINAL LIFT PRESSURE TO LAND PLUG | 3/8/2024 | 06:23 | 8.34 | 2 | 207 | 443 | FINAL LIFT PRESSURE TO LAND PLUG - 443 |
| 26 | LAND PLUG | 3/8/2024 | 06:24 | 8.34 | 2 | 207.3 | 868 | LAND PLUG - 868 |
| 27 | PRESSURE TEST CASING 1100 PSI | 3/8/2024 | 06:35 | 8.34 | 1 | 1 | 1172 | PRESSURE TEST CASING 1100 PSI / 30 MINUTES - 1172 |
| 28 | END CASING TEST/ CHECK FLOAT | 3/8/2024 | 07:00 | 8.34 | 1 | 1 | 1186 | END OF CASING TEST/ ENDING PRESSURE- 1186/ RETURNED 1 BBL UPON FLOAT CHECK |

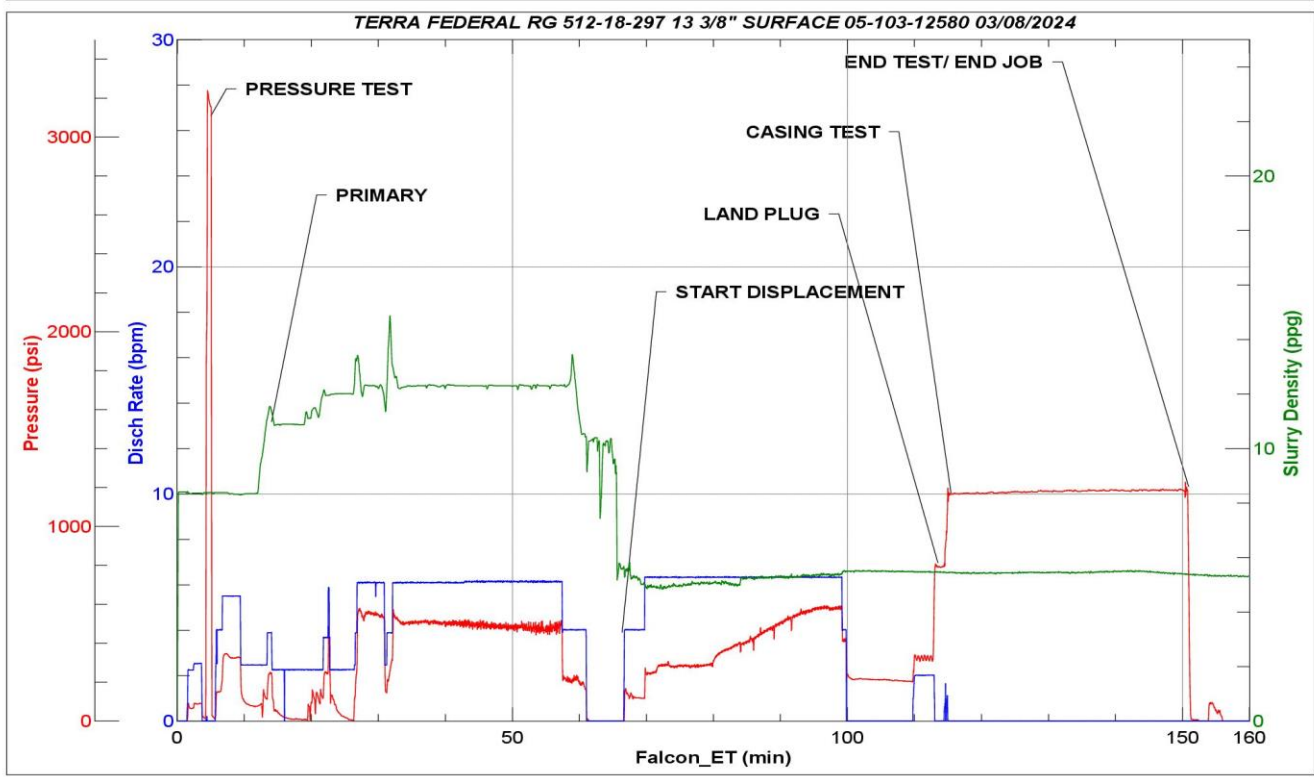


| Line | Event | Date (MM/DD/YY) | Time (HH:MM) | Density (lb/gal) | Pump Rate (bpm) | Pump Volume (bbls) | Pipe Pressure (psi) | Comment |
|------|---------------------------|-----------------|--------------|------------------|-----------------|--------------------|---------------------|---|
| 29 | END OF CEMENTING SERVICES | 3/8/2024 | 07:00 | | | | | END OF CEMENTING SERVICES/ CIRCULATED 126 SKS OR 52 BBLS TO SURFA CE |
| 30 | POST JOB SAFETY MEETING | 3/8/2024 | 07:05 | | | | | POST JOB SAFETY MEETING |
| 31 | RIGGED DOWN | 3/8/2024 | 08:00 | | | | | |
| 32 | PRE CONVOY SAFETY MEETING | 3/8/2024 | 08:05 | | | | | |
| 33 | LOCATION DEPARTURE | 3/8/2024 | 08:10 | | | | | |
| 34 | END OF JOB | 3/8/2024 | 08:10 | | | | | END OF JOB |

Pump Diagrams



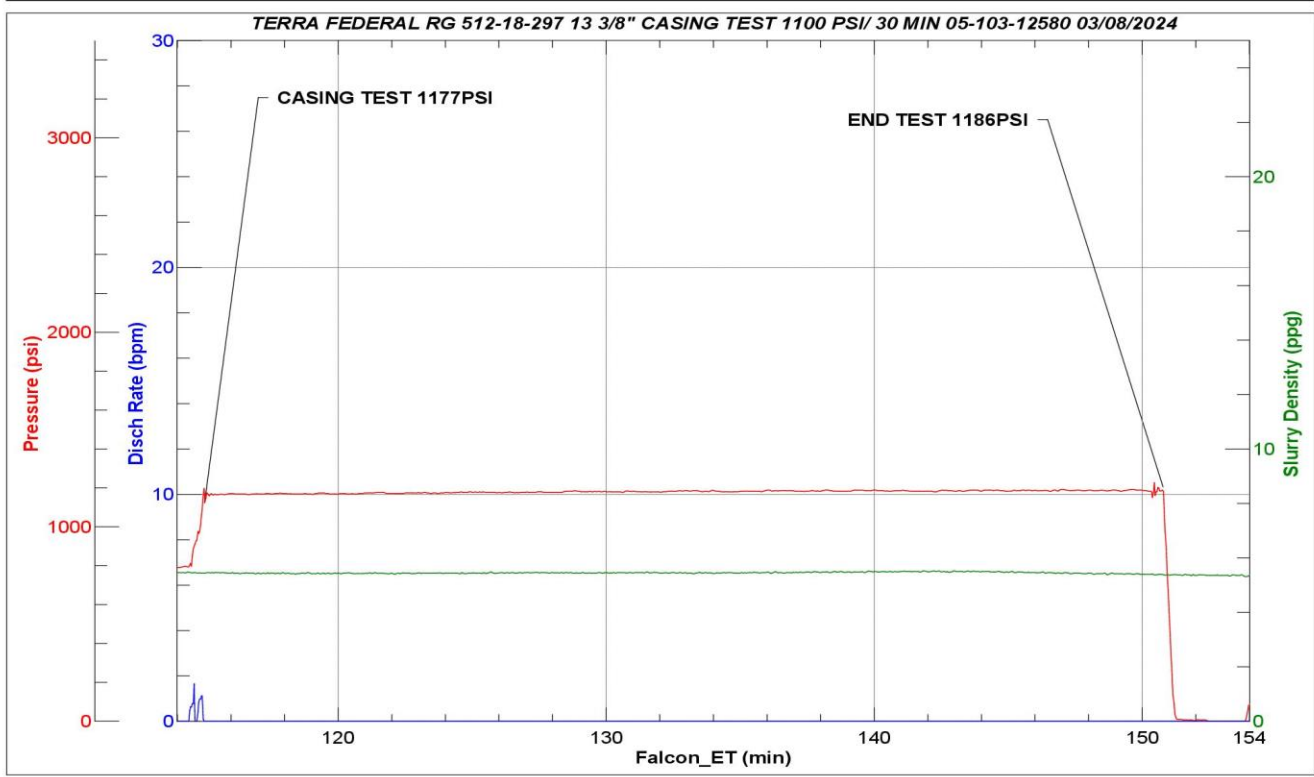
JobMaster Program Version 5.01C1
Job Number: 90560
Customer: TERRA
Well Name: FEDERAL RG 512-18 297



Job Start: Friday, March 08, 2024



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