

|                            |                                                                        |                                          |
|----------------------------|------------------------------------------------------------------------|------------------------------------------|
| Well Name: HUERFANO UNIT   | Well Location: T26N / R10W / SEC 14 /<br>NESW / 36.48555 / -107.867752 | County or Parish/State: SAN<br>JUAN / NM |
| Well Number: 179E          | Type of Well: CONVENTIONAL GAS<br>WELL                                 | Allottee or Tribe Name:                  |
| Lease Number: NMSF079617   | Unit or CA Name: HUERFANO UNIT--<br>DK                                 | Unit or CA Number:<br>NMNM78395C         |
| US Well Number: 3004526672 | Well Status: Abandoned                                                 | Operator: HILCORP ENERGY<br>COMPANY      |

Subsequent Report

Sundry ID: 2640471

|                                           |                                      |
|-------------------------------------------|--------------------------------------|
| Type of Submission: Subsequent Report     | Type of Action: Plug and Abandonment |
| Date Sundry Submitted: 10/19/2021         | Time Sundry Submitted: 06:46         |
| Date Operation Actually Began: 10/04/2021 |                                      |

Actual Procedure: The subject well was P&A'd on 10/6/2021 per the attached report and wellbore schematic.

SR Attachments

Actual Procedure

HUERFANO\_UNIT\_179E\_P\_A\_SR\_10.2021\_20211019064635.pdf

|                                   |                                                                               |                                                 |
|-----------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Well Name:</b> HUERFANO UNIT   | <b>Well Location:</b> T26N / R10W / SEC 14 /<br>NESW / 36.48555 / -107.867752 | <b>County or Parish/State:</b> SAN<br>JUAN / NM |
| <b>Well Number:</b> 179E          | <b>Type of Well:</b> CONVENTIONAL GAS<br>WELL                                 | <b>Allottee or Tribe Name:</b>                  |
| <b>Lease Number:</b> NMSF079617   | <b>Unit or CA Name:</b> HUERFANO UNIT--<br>DK                                 | <b>Unit or CA Number:</b><br>NMNM78395C         |
| <b>US Well Number:</b> 3004526672 | <b>Well Status:</b> Abandoned                                                 | <b>Operator:</b> HILCORP ENERGY<br>COMPANY      |

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

**Operator Electronic Signature:** AMANDA WALKER  
**Signed on:** OCT 19, 2021 06:46 AM  
**Name:** HILCORP ENERGY COMPANY  
**Title:** Operations/Regulatory Technician  
**Street Address:** 1111 TRAVIS ST.  
**City:** HOUSTON **State:** TX  
**Phone:** (346) 237-2177  
**Email address:** mwalker@hilcorp.com

Field Representative

**Representative Name:**  
**Street Address:**  
**City:** **State:** **Zip:**  
**Phone:**  
**Email address:**

BLM Point of Contact

|                                        |                                                |
|----------------------------------------|------------------------------------------------|
| <b>BLM POC Name:</b> KENNETH G RENNICK | <b>BLM POC Title:</b> Petroleum Engineer       |
| <b>BLM POC Phone:</b> 5055647742       | <b>BLM POC Email Address:</b> krennick@blm.gov |
| <b>Disposition:</b> Accepted           | <b>Disposition Date:</b> 11/24/2021            |
| <b>Signature:</b> Kenneth Rennick      |                                                |

Huerfano Unit 179E  
3004526672  
P&A SR  
NMNM78395C

10/4/2021: MIRU. CK WELL PRESSURES (SITP: 135 PSI, SICP: 135 PSI, SIBHP: 135 PSI). ND WH. NU BOP & PT, TST GOOD. PULL TBG HANGER. PU PREMIER NDT SCANNING, TOO H 2-3/8" TBG. RD PREMIER. SDFN.

10/5/2021: CK WELL PRESSURES (SITP: 0 PSI, SICP: 135 PSI, SIBHP: 135 PSI). PU 4-1/2" CMT RETAINER, TIH & SET CMT RETAINER @ 6586'. LOAD & PT TBG TO 1000 PSI (GOOD). LOAD & PT CSG TO 600 PSI (GOOD). TST WITNESSED BY BILL DIERS W/BLM. TOH W/TBG. LD SETTING TOOL. RU WRLN. RIH & RUN CBL F/6586' T/SURFACE. MIX & PMP PLUG #1 W/12 SXS, 13.8 CUFT, 1.15 YIELD, 15.8 PPG, CLASS G CMT TO ISOLATE DK PERFS F/6586' T/6424' W/12 SX INSIDE 4-1/2" CSG. LD 29 JTS. TOH W/89 STANDS, LD PLUGGING SUB. RU WRLN. RIH & PERF @ 5640'. POOH. RD WRLN. EST INJECTION RATE. PRESSURED UP. PU PLUGGING SUB. TIH W/TBG T/5694'. MIX & PMP PLUG #2 W/12 SX, 13.8 CUFT, 1.15 YIELD, 15.8 PPG, CLASS G CMT TO ISOLATE THE GALLUP FORMATION F/5694' T/5575' W/12 SX INSIDE 4-1/2" CSG. TOH W/10 STANDS. SDFN.

TROUBLE CALL TO MONICA KUEHLING @ NMOCD & BILL DIERS @ BLM (ONSITE) BASED OFF CBL, EMAILED UPDATE TO KENNY RENNICK @ BLM. Plug #1 - Inside only Plug 6582' – 6482' (Dakota Plug). Plug #2 – Attempt inside/outside, perforate at ~5640' to avoid casing collar (Gallup). Plug #3 – Inside only plug 4990-4641' (Mancos). Plug #4 – Per BLM COA – plug to cover 3084' - 3134' (Chacra and Cliffhouse). Plug #5 – Inside only 2210'-1870' (PC and Fruitland). Plug #6 – Inside only plug 1475'-1175' (Kirtland/Ojo). Plug #7 – 223' – surface, backfill as needed. Jose spoke with Monica @ NMOCD to update that we were unable to establish an injection rate, received verbal to spot an inside plug.

10/6/2021: CK WELL PRESSURES (SITP: 0 PSI, SICP: 0 PSI, SIBHP: 0 PSI). TIH & TAG PLUG #2 @ 5575'. LD 19 JTS. MIX & PMP PLUG #3 W/32 SX, 36.88 CUFT, 1.15 YIELD, 15.8 PPG, CLASS G CMT TO ISOLATE MANCOS & MESAVERDE FORMATIONS F/5000' T/4590' W/32 SX INSIDE 4-1/2" CSG. LD 51 JTS. TOH W/49 STANDS. LD PLUGGING SUB. RU WRLN. RIH & PERF @ 3184'. POOH. RD WRLN. EST INJECTION RATE OF 1/2 BPM @ 700 PSI. PU 4-1/2" CMT RETAINER. TIH & SET CMT RETAINER @ 3137'. MIX & PMP PLUG #4 W/76 SX, 87.4 CUFT, 1.15 YIELD, 15.8 PPG, CLASS G CMT TO ISOLATE CLIFFHOUSE & CHACRA FORMATIONS F/3184' T/2979' W/60 SX OUTSIDE, 4 SX UNDER RETAINER & 12 SX ON TOP OF RETAINER. LD 29 JTS. MIX & PMP PLUG #5 W/31 SX, 35.65 CUFT, 1.18 YIELD, 15.8 PPG CLASS G CMT TO ISOLATE PICTURED CLIFFS & FRUITLAND COAL FORMATIONS F/2205' T/1808' W/31 SX INSIDE 4-1/2" CSG. LD 23 JTS. MIX & PMP PLUG #6 W/28 SX, 32.2 CUFT, 1.18 YIELD, 15.8 PPG, CLASS G CMT TO ISOLATE THE KIRTLAND & OJO ALAMO FORMATIONS F/1465 T/1106' W/28 SX INSIDE 4-1/2" CSG. LD 37 JTS. MIX & PMP PLUG #7 W/28 SXM 32.2 CUFT, 1.18 YIELD, 15.8 PPG, CLASS G CMT TO ISOLATE THE SURF SHOE F/290' T/0' W/28 SX INSIDE 4-1/2" CSG. LD TBG. LD SETTING TOOL. ND BOP. DUG OUT WH. CUT OFF WH. INSTALL DRY HOLE MARKER. RAN 1' POLY LINE DWN BH. TOPPED OFF BH & 4-1/2" CSG W/47 SXS. RDRR @ 20:00 HRS.



## Schematic - Current

Well Name: HUERFANO UNIT #179E

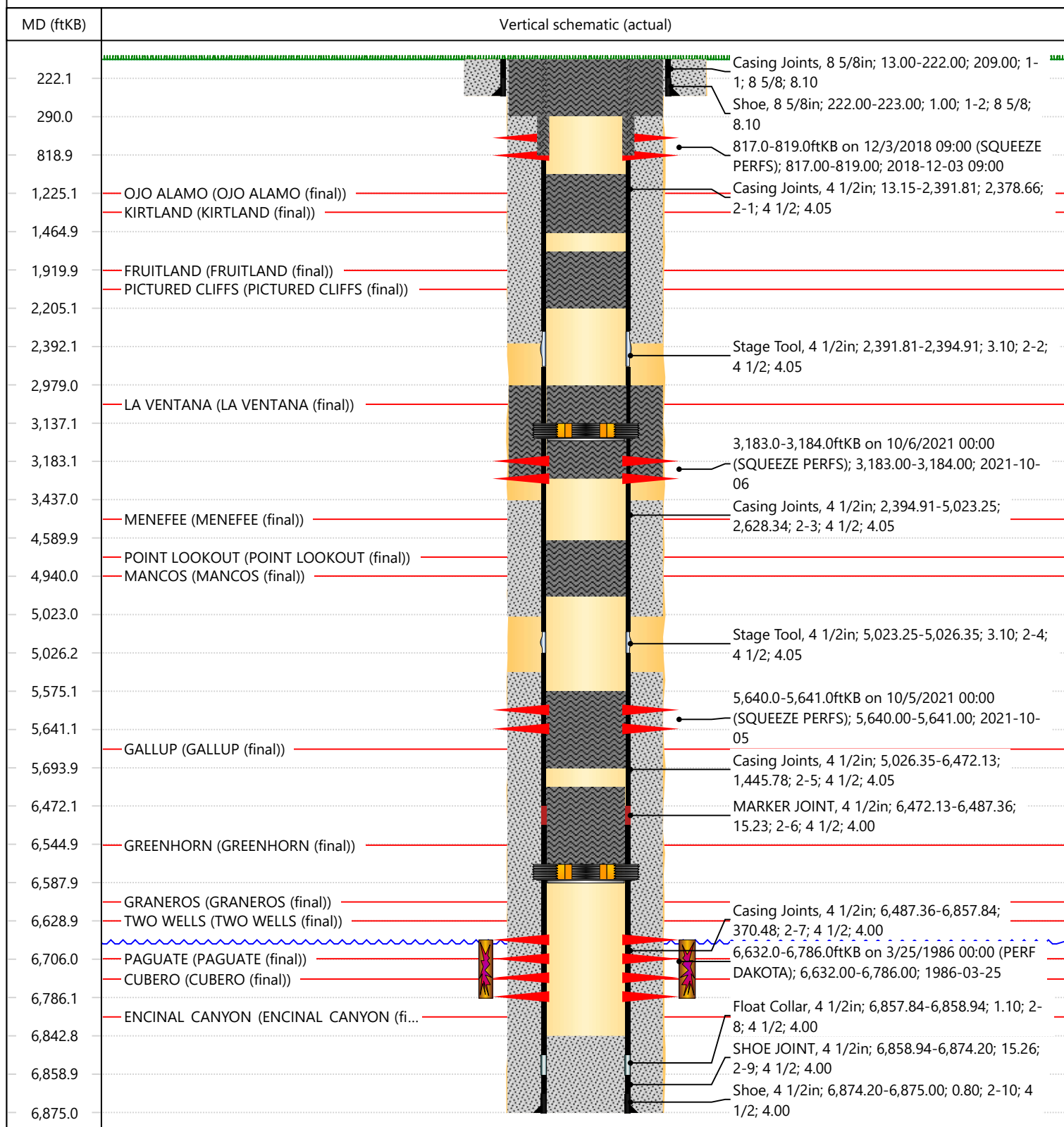
|                                           |                                           |                                           |                  |                                              |                                     |
|-------------------------------------------|-------------------------------------------|-------------------------------------------|------------------|----------------------------------------------|-------------------------------------|
| API / UWI<br>3004526672                   | Surface Legal Location<br>014-026N-010W-K | Field Name<br>BASIN DAKOTA (PRORATED GAS) | License No.      | State/Province<br>NEW MEXICO                 | Well Configuration Type<br>VERTICAL |
| Original KB/RT Elevation (ft)<br>6,645.00 | KB-Ground Distance (ft)<br>13.00          | Original Spud Date<br>3/11/1986 00:00     | Rig Release Date | PBTD (All) (ftKB)<br>Original Hole - 6,843.0 | Total Depth All (TVD) (ftKB)        |

## Most Recent Job

|                                        |                                     |                    |                                |                       |
|----------------------------------------|-------------------------------------|--------------------|--------------------------------|-----------------------|
| Job Category<br>Expense Plug & Abandon | Primary Job Type<br>ABANDONMENT P&A | Secondary Job Type | Actual Start Date<br>10/4/2021 | End Date<br>10/6/2021 |
|----------------------------------------|-------------------------------------|--------------------|--------------------------------|-----------------------|

TD: 6,875.0

Original Hole [VERTICAL]



**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 64014

**CONDITIONS**

|                                                                                |                                                |
|--------------------------------------------------------------------------------|------------------------------------------------|
| Operator:<br>HILCORP ENERGY COMPANY<br>1111 Travis Street<br>Houston, TX 77002 | OGRID:<br>372171                               |
|                                                                                | Action Number:<br>64014                        |
|                                                                                | Action Type:<br>[C-103] Sub. Plugging (C-103P) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| mkuehling  | None      | 12/29/2021     |