

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: FEDERAL B

Well Location: T8S / R37E / SEC 4 /
NWNE / 33.6539007 / -103.153356

County or Parish/State:
ROOSEVELT / NM

Well Number: 2

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMNM0474

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004120904

Operator: H L BROWN OPERATING,
LLC

Subsequent Report

Sundry ID: 2867297

Type of Submission: Subsequent Report

Type of Action: Deepen Well

Date Sundry Submitted: 08/07/2025

Time Sundry Submitted: 07:23

Date Operation Actually Began: 01/04/2024

Actual Procedure: null

SR Attachments

Actual Procedure

2024__Federal_B_2__Daily_Workover_Report__4_9_24_20250807072238.pdf

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Operator: H L BROWN OPERATING,
LLC**Operator**

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

Operator Electronic Signature: RACHAEL BRADEN

Signed on: AUG 07, 2025 07:22 AM

Name: H L BROWN OPERATING, LLC

Title: rEGULATORY tECHNICIAN

Street Address: 6 DESTA DRIVE SUITE 4350

City: MIDLAND

State: TX

Phone: (361) 244-1611

Email address: RBRADEN@HELMSOIL.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: JENNIFER SANCHEZ

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5756270237

BLM POC Email Address: j1sanchez@blm.gov

Disposition: Accepted

Disposition Date: 08/07/2025

Signature: Jennifer Sanchez

Appears side track was done without BLM approval. Accepting for record.

Operator: H.L. Brown Operating, L.L.C.
Well: Federal B-2
Location: Sec 4, T-8S, R-37E
County/State: Roosevelt/NM

AFE#: 23003
AFE Cost: \$990,000

1-4-24 MIRUPU. SITP – 0 psi. SICP – 0 psi. NDWH. NUBOP. POOH with kill string. SDFN. Operations tomorrow include – Unloading and racking work string and fishing equipment.

Well Servicing Unit - \$4,156
Rental Equipment - \$1,004
Contract Supervision - \$1,423
Contingency - \$461

Daily Costs: \$7,044 Cum. Costs: \$7,044

1-5-24 MIRUL and rack workstring and fishing tools. SDFWE. Operations Monday – PU and RIH with fishing tools and workstring. Latch fish and attempt to jar out of hole.

Well Servicing Unit - \$3,836
Rental Equipment - \$314
Workstring - \$1,323
Forklift & Trucking - \$3,300
Contract Supervision - \$1,516
Contingency - \$720

Daily Costs: \$11,009 Cum. Costs: \$18,053

1-6-24 SDFWE. Operations Monday – PU and RIH with fishing tools and workstring. Latch fish and attempt to jar out of hole.

Well Servicing Unit - \$0
Rental Equipment - \$0
Workstring - \$0
Forklift & Trucking - \$0
Contract Supervision - \$0
Contingency - \$0

Daily Costs: \$0 Cum. Costs: \$18,053

1-7-24 SDFWE. Operations Monday – PU and RIH with fishing tools and workstring. Latch fish and attempt to jar out of hole.

Well Servicing Unit - \$0
Rental Equipment - \$0
Workstring - \$0
Forklift & Trucking - \$0
Contract Supervision - \$0
Contingency - \$0

Daily Costs: \$0 Cum. Costs: \$18,053

Operator: H.L. Brown Operating, L.L.C.
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1-8-24 Unload, rack, and caliper fishing tools. Attempt to RIH with fishing tools. Winds were blowing in excess of 40 mph. SDFN. Operations tomorrow – PU and RIH with fishing tools and workstring. Latch fish and attempt to jar out of hole.

Well Servicing Unit - \$1,439
Rental Equipment - \$654
Fishing Tools - \$1,750
Contract Supervision - \$1,516
Contingency - \$375

Daily Costs: \$5,734 Cum. Costs: \$23,787

1-9-24 PU & RIH w/4 5/8" overshot with 3 1/2" grapple, 3 3/4" bumper sub, 3 3/4" jars, 4 jts 3 1/2" drill collars, 3 3/4" accelerator and 2 7/8" PH6 workstring. Tagged solid at 7,371'. SDFN. Operations tomorrow – Attempt to rotate past tight spot at 7,371' and continue to top of fish at 7,916'.

Well Servicing Unit - \$4,316
Rental Equipment - \$389
Fishing Tools - \$3,661
Contract Supervision - \$1,516
Contingency - \$692

Daily Costs: \$10,574 Cum. Costs: \$34,361

1-10-24 Tag tight spot at 7,371'. Attempt to rotate thru tight spot without success. POOH with workstring and fishing assembly. Found cut lip guide shoe bent on one side indicating potentially collapsed casing. PU & RIH with casing swage, 3 3/4" jars, 4 jts 3 1/2" drill collars, and 2 7/8" PH6 workstring. SDFN. Operations tomorrow – Swage out collapsed casing, run cement bond long and casing inspection log.

Well Servicing Unit - \$4,476
Rental Equipment - \$389
Fishing Tools - \$22,600
Contract Supervision - \$1,516
Contingency - \$2,029

Daily Costs: \$31,010 Cum. Costs: \$65,371

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1-11-24 Commence swage operations on tight spot at 7,371'. Made 2' in 2 hours. PU to make repairs on PU. Went back in and lost 6". Swage for 45 minutes to recover 6". Decided to discontinue with swage operations. SDFN due to high winds in excess of 40 mph. Operations tomorrow – POOH with workstring and casing swage. MIRU Wireline. Run cement bond long and casing inspection log.

Well Servicing Unit - \$3,357
 Rental Equipment - \$389
 Fishing Tools - \$10,400
 Contract Supervision - \$1,516
 Contingency - \$1,096

Daily Costs: \$16,758 Cum. Costs: \$82,129

1-12-24 POOH with workstring and casing swage. MIRU Wireline. Make 3.91" gauge ring run. Could not get below 7,371'. Run CIL & CBL from 7,355' to 3,600', intermediate casing shoe. SDFN. Operations tomorrow – Evaluate logs, set CICR, and establish pump in rate.

Well Servicing Unit - \$4,316
 Rental Equipment - \$389
 Fishing Tools - \$3,300
 Workstring - \$2,093
 Wireline - \$8,745
 Contract Supervision - \$1,516
 Contingency - \$1,425

Daily Costs: \$21,784 Cum. Costs: \$103,913

1-13-24 Evaluate logs and RIH with CICR. Set CICR at 7,294'. RD Wireline. PU and RIH with CICR stinger and workstring. Sting into CICR. MIRU Pump truck. Attempt to establish rate thru CICR and down casing. Pumped .5 bbls and pressured up to 1,500 psi. Pressure held, could not establish a pump in rate. POOH with 40 jts of workstring. SDFWE. Operations Monday/Tuesday – Operations will be dependent on weather conditions. RIH with whipstock, orient whipstock, set whipstock and mill casing window.

Well Servicing Unit - \$3,836
 Rental Equipment - \$389
 Workstring - \$2,093
 Wireline - \$3,564
 CICR & Stinger - \$2,862
 Water Truck - \$480
 Contract Supervision - \$1,516
 Contingency - \$1,032

Daily Costs: \$15,772 Cum. Costs: \$119,685

Operator: H.L. Brown Operating, L.L.C.
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AFE Cost: \$990,000

1-14-24 SDFWE. Operations Monday/Tuesday – Operations will be dependent on weather conditions. RIH with whipstock, orient whipstock, set whipstock and mill casing window.

Well Servicing Unit - \$0
Rental Equipment - \$0
Workstring - \$0
Wireline - \$0
CICR & Stinger - \$0
Water Truck - \$0
Contract Supervision - \$0
Contingency - \$0

Daily Costs: \$0 Cum. Costs: \$119,685

1-15-24 SD for cold weather. Operations Tuesday – Operations will be dependent on weather conditions. RIH with whipstock, orient whipstock, set whipstock and mill casing window.

Well Servicing Unit - \$0
Rental Equipment - \$0
Workstring - \$0
Wireline - \$0
CICR & Stinger - \$0
Water Truck - \$0
Contract Supervision - \$0
Contingency - \$0

Daily Costs: \$0 Cum. Costs: \$119,685

1-16-24 SD for cold weather. Operations Wednesday – Commence Whipstock setting operations. RIH with whipstock, orient whipstock, set whipstock and mill casing window.

Well Servicing Unit - \$0
Rental Equipment - \$0
Workstring - \$0
Wireline - \$0
CICR & Stinger - \$0
Water Truck - \$0
Contract Supervision - \$0
Contingency - \$0

Daily Costs: \$0 Cum. Costs: \$119,685

Operator: H.L. Brown Operating, L.L.C.
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AFE#: 23003
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1-17-24 POOH with workstring and CICR stinger. MIRU Wireline. PU and RIH with CIBP. Tag CICR at 7,294'. PU 1.5' and set CIBP at 7,292.5'. RD Wireline. PU and RIH with 4 3/4" mill, 5 1/2" casing scraper, 4 3/4" string mill, 4 3/4" string mill, 2 7/8" AOH, and 51 jts - workstring. SDFN. Operations tomorrow – Continue RIH with workstring to CIBP. Circulate well clean, POOH with workstring and BHA and prepare to RIH with Whipstock assembly.

Well Servicing Unit - \$4,476
 Rental Equipment - \$1,199
 Workstring - \$8,372
 CIBP & Stinger - \$440
 Water Truck - \$0
 Contract Supervision - \$1,516
 Contingency - \$1,120

Daily Costs: \$17,123 Cum. Costs: \$136,808

1-18-24 Continue in hole with workstring. Tag CIBP at 7,292'. Set down with 10 pts to make sure CIBP will hold whipstock assembly. MIRU Pump Truck. Circulate hole with 180 bbls fresh water. POOH with workstring and gauge assembly. SDFN. Operations will be shut down on Friday due to cold temperatures and high winds in New Mexico. Operations Monday – RIH with whipstock, orient whipstock, set whipstock, and begin milling casing window.

Well Servicing Unit - \$4,200
 Rental Equipment - \$387
 Workstring - \$1,923
 Milling Tools & Supervisor - \$2,935
 Gyro & Directional Driller - \$4,800
 Water Truck - \$2,685
 Forklift - \$720
 Contract Supervision - \$1,721
 Contingency - \$1,356

Daily Costs: \$20,727 Cum. Costs: \$157,535

1-19-24 SDFWE. Operations Monday – RIH with whipstock, orient whipstock, set whipstock, and begin milling casing window.

Well Servicing Unit - \$0
 Rental Equipment - \$0
 Workstring - \$0
 Gyro & Directional Driller - \$0
 Water Truck - \$0
 Contract Supervision - \$0
 Contingency - \$0

Daily Costs: \$0 Cum. Costs: \$157,535

Operator: H.L. Brown Operating, L.L.C.
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 Location: Sec 4, T-8S, R-37E
 County/State: Roosevelt/NM

AFE#: 23003
 AFE Cost: \$990,000

1-20-24 SDFWE. Operations Monday – RIH with whipstock, orient whipstock, set whipstock, and begin milling casing window.

Well Servicing Unit - \$0
 Rental Equipment - \$0
 Workstring - \$0
 Gyro & Directional Driller - \$0
 Water Truck - \$0
 Contract Supervision - \$0
 Contingency - \$0

Daily Costs: \$0 Cum. Costs: \$157,535

1-21-24 SDFWE. Operations Monday – RIH with whipstock, orient whipstock, set whipstock, and begin milling casing window.

Well Servicing Unit - \$0
 Rental Equipment - \$0
 Workstring - \$0
 Gyro & Directional Driller - \$0
 Water Truck - \$0
 Contract Supervision - \$0
 Contingency - \$0

Daily Costs: \$0 Cum. Costs: \$157,535

1-22-24 PU & RIH with whipstock assembly, mill assembly, small watermelon mill, float sub, and workstring. Tag at 5,148'. PU and set back down at 5,148'. Whipstock prematurely set at 5,148'. POOH with worstring and mill assembly. SDFN. Operations tomorrow – RIH and fish whipstock assembly. PU mills and make another cleanout run to whip spot at 5,148'.

Well Servicing Unit - \$3,150
 Rental Equipment - \$810
 Workstring - \$7,692
 Gyro & Directional Driller - \$4,375
 Whipstock Assembly - \$37,506
 Whipstock Tech - \$2,935
 Water Truck - \$1,045
 Reverse Unit - \$2,900
 Wireline - \$2,588
 Contract Supervision - \$2,987
 Contingency - \$4,619

Daily Costs: \$70,607 Cum. Costs: \$228,142

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1-23-24 PU & RIH with fishing tools and workstring. Tag whipstock assembly at 5,132'. Latch whipstock assembly and POOH with workstring and whipstock assembly. Whipstock was heavily scratched over entire length but the setting tool was never engaged. PU and RIH with mill bit, small watermelon mill, 2 – XO's, 2 – 4 3/4" watermelon mills and workstring. Tagged first tight spot at 5,084', took 3 pts to push thru. Tagged second tight spot at 5,130', sat down with 7 pts, took 10 pts to pull out. PU to 4,995'. SDFN. Operations tomorrow – Clean out tight spots, RIH to CIBP at 7,292' and circulate wellbore clean.

Well Servicing Unit - \$4,200
 Rental Equipment - \$380
 Workstring - \$1,923
 Gyro & Directional Driller - \$2,800
 Fishing Tools & Tech - \$10,197
 Mill Assembly - \$10,542
 Water Truck - \$0
 Reverse Unit - \$2,900
 Contract Supervision - \$2,987
 Contingency - \$2,515

Daily Costs: \$38,444 Cum. Costs: \$266,586

1-24-24 RIH with milling assembly and tag tight spot at 5,084'. Mill tight spot and back ream several times until not torque is observed. Mill and back ream to 5,280'. RIH to 7,290', approximately 2' of fill on top of CIBP. Circulate wellbore clean. PU to 5,080'. RIH to 5,280' and observed small tight spot from 5,220'-5,240'. Will mill out tomorrow. SDFN. Operations tomorrow – Mill out tight spot from 5,220'-5,240'. POOH with mill assembly. Start in hole with whipstock assembly.

Well Servicing Unit - \$4,500
 Rental Equipment - \$380
 Workstring - \$1,923
 Light Towers - \$325
 Gyro & Directional Driller - \$2,800
 Fishing Tools & Tech - \$3,603
 Water Truck - \$0
 Reverse Unit - \$2,900
 Contract Supervision - \$2,873
 Contingency - \$1,351

Daily Costs: \$20,655 Cum. Costs: \$287,241

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 AFE Cost: \$990,000

1-25-24 RIH with milling assembly tag tight spot at 5,130'. Mill tight spot from 5,130'-5,140' and back ream several times until not torque is observed. Mill and back ream at 5,227' & 5,241'. Mills appeared to be worn. POOH with mill assembly and workstring. The watermelon mill above the bit mill was worn and out of gauge. Sent mill in for redressing. SDFN. Operations tomorrow – RIH with whipstock assembly, orient whipstock, and mill casing window.

Well Servicing Unit - \$3,000
 Rental Equipment - \$380
 Workstring - \$1,923
 Light Towers - \$100
 Gyro & Directional Driller - \$5,610
 Fishing Tools & Tech - \$3,603
 Water Truck - \$420
 Reverse Unit - \$2,400
 Contract Supervision - \$2,873
 Contingency - \$1,422

Daily Costs: \$21,731 Cum. Costs: \$308,972

1-26-24 PU and RIH with whipstock assembly, milling assembly, and workstring. RIH slowly thru tight spots from 5,130'-5,140', 5,227' and 5,241'. Continue in hole until 30' off bottom. RU Wireline. RIH with gyro tools and orient whipstock to 186 degrees south of north. Set whipstock. Shear milling assembly from whipstock assembly. PU milling assembly to insure it was free from whipstock assembly. POOH with gyro tools and RD Wireline. SDFN. Operations tomorrow – Mill casing window.

Well Servicing Unit - \$4,650
 Rental Equipment - \$380
 Workstring - \$1,923
 Light Towers - \$100
 Gyro & Directional Driller - \$8,551
 Fishing Tools & Tech - \$16,431
 Water Truck - \$1,365
 Reverse Unit - \$2,800
 Contract Supervision - \$2,873
 Contingency - \$2,735

Daily Costs: \$41,808 Cum. Costs: \$350,780

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 AFE Cost: \$990,000

1-27-24 RIH and tag whipstock assembly at 7,275'. RU swivel and begin cutting casing window with 1-2 pts, 110 rpms, and pumping 3.5 bpm at 1,000 psi, conventional, getting metal shavings in return. Mill to 7,281', bit mill is out of casing, returns are metal shavings and cement. Mill to 7,284', small watermelon mill is outside casing, returns are cement and some metal shavings, only taking 1/2 to 1 pts to drill. Mill to 7,290', 6' outside casing, returns are fine cement, some metal shavings and formation. Circulate hole clean. POOH with milling assembly. Found bit mill 1/8" out of gauge and watermelon mills were in gauge. SDF Sunday. Operations Monday – Make plans to directionally drill sidetrack hole.

Well Servicing Unit - \$4,050
 Rental Equipment - \$380
 Workstring - \$1,923
 Light Towers - \$100
 Gyro & Directional Driller - \$0
 Fishing Tools & Tech - \$3,085
 Water Truck - \$0
 Reverse Unit - \$3,050
 Contract Supervision - \$2,873
 Contingency - \$1,082

Daily Costs: \$16,543 Cum. Costs: \$367,323

1-28-24 SDF Sunday. Operations Monday – Make plans to directionally drill sidetrack hole.

Well Servicing Unit - \$0
 Rental Equipment - \$0
 Workstring - \$0
 Light Towers - \$0
 Gyro & Directional Driller - \$0
 Fishing Tools & Tech - \$0
 Water Truck - \$0
 Reverse Unit - \$0
 Contract Supervision - \$0
 Contingency - \$0

Daily Costs: \$0 Cum. Costs: \$367,323

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1-29-24 RIH with 2 7/8" workstring. POOH laying down workstring in singles. NDBOP. NUWH. Release workstring and pulling unit. Temporarily dropped from report pending arrival of 24 hour well servicing rig. Estimated arrival – February 12, 2024.

Well Servicing Unit - \$4,476
 Rental Equipment - \$537
 Workstring - \$1,923
 Light Towers - \$100
 Water Truck - \$450
 Reverse Unit - \$3,555
 Contract Supervision - \$1,441
 Contingency - \$874

Daily Costs: \$13,356 Cum. Costs: \$380,679

2-12-24 MIRU 24 hour well service unit. MIRU ancillary equipment, mud pumps and pits. Start building mud system. Unload and rack 2 7/8" AOH workstring. PU & RIH w/4 3/4" button bit, mud motor, float sub, MWD system, non-magnetic drill collars, and 2 7/8" AOH workstring to 3,028'. RU pump, load workstring and test downhole tools. Continue RIH with workstring. Crew change. Currently at 6,000' preparing to pressure test MWD equipment.

Well Servicing Unit - \$13,440
 Rental Equipment - \$2,670
 Workstring - \$1,870
 Mud Pump & Pits - \$5,655
 Directional Drilling - \$6,195
 PU/LD Machine - \$3,500
 Forklift - \$250
 Mud & Chemicals - \$4,971
 Reverse Unit - \$5,600
 Contract Supervision - \$2,766
 Contingency - \$3,284

Daily Costs: \$50,201 Cum. Costs: \$430,880

2-13-24 Continue in hole with workstring to 5,998'. Did not see any problems thru milled out section. Pressured up on MWD tools but did not get any pluses. Continue in hole to 14' above whipstock. Attempt to RU Wireline but did not have XO to power swivel. Built mud system and circulated hole clean. Install XO and RU Wireline. RIH with Gyro and orient tool faces. Start drilling at 7,273'. Drilled to 7,293'. POOH with wireline to make a connection. Resume drilling at 7,305'.

Daily Costs: \$57,768 Cum. Costs: \$488,648

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2-14-24 Drill to 7,324'. POOH with gyro to make connection. Make connection and run back in hole with gyro. Could not get gyro to set. Mixed and pumped mud sweep to remove any debris from workstring. Set gyro and drill to 7,356'. POOH with gyro and rig down Wireline and gyrodata. Resume drilling at 7,356'.

Daily Costs: \$53,735 Cum. Costs: \$542,383

2-15-24 Drill to 7,372'. Air system on pulling broke. Shut down for 7 hours to repair pulling unit. Rotary drill to 7,387'. Slide drill to 7,412'. Rotary drill to 7,419'. Slide drill to 7,448'. Rotary drill to 7,450'. Slide drill to 7,476'. Had trouble with mud pits equalizing most of the day due to high pumping rate. Will modify mud pits today.

Daily Costs: \$46,464 Cum. Costs: \$588,847

2-16-24 Rotary drill to 7,481'. Slide drill to 7,502'. Rotary drill to 7,513'. Slide drill to 7,540'. Rotary drill to 7,544'. Slide drill to 7,571'. Rotary drill to 7,575'. POOH with workstring and BHA to change to PDC bit after building curve. Modify mud pits to improve equalization. PU & RIH with PDC bit, motor, float sub, and workstring.

Daily Costs: \$53,868 Cum. Costs: \$642,715

2-17-24 Finish tripping in hole w/drilling BHA and workstring. Slide drill to 7,668'. Pump pressure increased to 3,500 psi. Pick up and rotate. Motor appears to be bad. POOH with workstring and drilling BHA. Found part of motor backed off. PU and RIH with 4 3/4" bit, new motor, drilling BHA, and workstring. Attempt to test motor but standpipe and kelly hose was frozen. Currently thawing out standpipe and kelly hose to test motor.

Daily Costs: \$54,430 Cum. Costs: \$697,145

2-18-24 Thawed out standpipe and kelly hose. Tested motor. RIH w/bit, new motor, drilling BHA, and workstring to top of whipstock. Build new mud system. Start displacing hole with new mud system and pressured up to 3,000 psi. TOOH with workstring, drilling BHA, motor, & bit. Found MWD tool plugged with gelled up mud and cuttings. Clean out MWD tool. RIH with bit, motor, drilling BHA and workstring, breaking circulation every 60 joints. Currently at top of whipstock, conditioning mud before entering open hole to commence drilling.

Daily Costs: \$55,606 Cum. Costs: \$752,751

2-19-24 Wash to bottom at 7,668'. Slide drill to 7,724'. Rotary drill to 7,739'. Slide drill to 7,756'. Rotary drill to 7,772'. Slide drill to 7,788'. Rotary drill to 7,811'. Currently drilling ahead at 7,811'.

Daily Costs: \$43,577 Cum. Costs: \$796,328

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2-20-24 Rotary drill to 7,884'. Slide drill to 7,914'. Rotary drill to 7,919'. Bit locked up. Circulate hole clean and spot a high viscosity, lower water loss mud pill in open hole section. POOH with workstring, drilling BHA, motor and bit. PU and RIH with 4 3/4" PDC bit, mud motor, drilling BHA and workstring. Wash and ream through tight spot at 7,364'. Currently, continue RIH with bit, mud motor, drilling BHA and workstring.

Daily Costs: \$46,864 Cum. Costs: \$843,192

2-21-24 RIH to 7,692', break circulation, and wash to bottom at 7,917'. Rotary drill to 8,135'. Drilled thru Upper Wolfcamp and did not experience any losses. Slide drill to 8,155'. Currently rotary drilling at 8,325'.

Daily Costs: \$45,799 Cum. Costs: \$888,991

2-22-24 Rotary drill to 8,798'. Drilled thru Wolfcamp C2 zone and experienced small drilling break with no shows. Lost both mud pumps. Started POOH to check bit and mud motor. Will repair mud pumps and resume drilling rat hole.

Daily Costs: \$44,631 Cum. Costs: \$933,622

2-23-24 POOH w/workstring, drilling BHA, motor, and bit. MIRU replacement mud pumps. Cleaned out mud pits that were full of solids and built new mud system. PU & RIH with bit, motor, drilling assembly and workstring to 7,340'. RU swivel and start washing to bottom. Washed thru two tight spots at 7,348' and 7,379'. Washed to 7,914' and lost 125 bbls of mud. Appears that Upper Wolfcamp pay started taking fluid. POOH to top of whipstock and build up mud system. Currently RBIH to 7,914' after building mud system.

Daily Costs: \$49,749 Cum. Costs: \$983,371

2-24-24 RBIH to 7,914', spot LCM pill and circulate bottoms up. Continue washing to 8,798' with no losses. Rotary drill to final TD of 8,862'. Circulate two bottoms up and spot high viscosity pill in open hole section. POOH w/workstring, drilling BHA, motor, and bit. PU & RIH w/4 3/4" PDC bit, 3 1/2" drill collar, 4 3/4" mill, 3 1/2" drill collar, 4 3/4" mill, 3 1/2" jars, 4 - 3 1/2" drill collar, 3 1/2" accelerator, and workstring. Currently RIH to wipe out tight spots at 7,348' and 7,379'.

Daily Costs: \$78,547 Cum. Costs: \$1,061,918

2-25-24 RIH to 7,611' and ream tight spot to 7,643'. Continue in hole to 7,674' and ream to 7,736'. Continue in hole to 8,120' and ream to 8,210'. Continue in hole to 8,798'. Currently circulating hole clean, spotting high viscosity pill and TOO H.

Daily Costs: \$52,292 Cum. Costs: \$1,114,210

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2-26-24 Circulate two bottoms up and POOH to 7,611'. Spot high viscosity pill and POOH with workstring and reamer assembly. MIRU Casing Crew. PU and start in hole with 4" flush joint liner. SD and wait for Halliburton to deliver liner hanger. Install liner hanger and continue in hole to 8,460'. Wash thru tight spot 8,460'. Wash down to 8,542'. Currently washing thru tight spot at 8,542'.

Daily Costs: \$199,160 Cum. Costs: \$1,313,370

2-27-24 Attempt to work thru tight spot at 8,542' and sheared off liner. Made the decision to cement the liner at 8,542' and complete the C2 zone as an open hole completion. MIRU Cement Co. Cement liner with 150 sacks. Circulate 2-3 bbls cement off top of liner. POOH w/workstring and liner setting tool and seal assembly. RDPU and ancillary equipment. Temporarily dropped from report pending completion operations.

Daily Costs: \$168,187 Cum. Costs: \$1,481,557

3-5-24 MIRU Completion Unit. NDWH. NUBOP. MIUL & rack – 2 3/8" tubing. PU & RIH with 4 3/4" bit, 5 1/2" casing scraper, and 100 jts – 2 3/8" tubing. SDFN. Operations tomorrow – Continue in hole with bit and scraper to top of 4" flush joint liner. Circulate clean and POOH.

Daily Costs: \$10,671 Cum. Costs: \$1,492,228

3-6-24 Continue picking up 2 3/8" tubing and RIH to top of 4" FJ liner. Circulate bottoms up and start POOH with 2 3/8" tubing, casing scraper, and bit. SDFN. Operations tomorrow – PU and RIH with 3 1/4" mill tooth bit, and 2 3/8" tubing to clean out 4" FJ liner.

Daily Costs: \$6,150 Cum. Costs: \$1,498,378

3-7-24 Continue POH with 2 3/8" tubing, casing scraper and bit. PU & RIH with 3 1/4" mill tooth bit and 2 3/8" tubing. Tag fill at 8,334'. Wash to 8,356' getting drilling mud, LCM, cement, and formation sand in returns. SDFN. Operations tomorrow – Continue washing to float collar at 8,501'. POOH with 2 3/8" tubing and 3 1/4" bit. PU & RIH with 2 1/2" bit and 2 3/8" tubing and drill out float collar, shoe joint and shoe.

Daily Costs: \$12,859 Cum. Costs: \$1,511,237

3-8-24 Continue washing/drilling cement to float collar at 8,501'. POOH with 2 3/8" tubing and bit. PU & RIH with 2 1/2" bit, 2 jts – 1 1/2" hydril and 2 3/8" tubing to 7,160'. SDFN. Operations tomorrow – Drill out float collar, shoe joint and shoe.

Daily Costs: \$16,450 Cum. Costs: \$1,527,687

Operator: H.L. Brown Operating, L.L.C.
Well: Federal B-2
Location: Sec 4, T-8S, R-37E
County/State: Roosevelt/NM

AFE#: 23003
AFE Cost: \$990,000

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- 3-9-24 Continue in hole with bit and tubing. Tag at 8,490'. Drilled out float collar, shoe joint and shoe to 8,554'. Circulate hole clean and POOH with tubing and bit. SDFN. Operations tomorrow – PU and RIH with 2 3/4" mill and tubing. Mill out float collar, shoe and clean out open hole to TD of 8,862'.
- Daily Costs: \$9,034 Cum. Costs: \$1,536,721
- 3-10-24 PU and RIH with 2 3/4" tapered mill, 13 jts – 1 1/2" Hydril tubing, and 2 3/8" tubing. Continue in hole with bit and tubing. Tagged float collar at 8,501'. Milled out float collar, shoe joint and shoe. Cleaned out open hole to 8,566'. PU and lost 32' of hole. Clean out open hole to 8,544'. Circulate hole clean and POOH with tubing and bit to just above float collar. SDFN. Operations Monday – POOH with tubing and tapered mill. PU and RIH with 2 3/4" bladed mill and tubing. Clean out open hole to TD of 8,862'.
- Daily Costs: \$9,034 Cum. Costs: \$1,545,755
- 3-11-24 SDFN. Operations Monday – POOH with tubing and tapered mill. PU and RIH with 2 3/4" bladed mill and tubing. Clean out open hole to TD of 8,862'.
- Daily Costs: \$9,034 Cum. Costs: \$1,545,755
- 3-12-24 POOH with 2 3/8" tubing, 13 jts – 1 1/2" Hydril, and tapered mill. Found mill worn in the middle. Appears that nose cone off guide shoe came unscrewed and rode up on mill. Had to shut down because tool operator did not have XO for piranha mill. SDFN. Operations tomorrow – PU and RIH with 2 5/8" piranha mill, 13 jts – 1 1/2" tubing, and 2 3/8" tubing. Clean out open hole to TD of 8,862'.
- Daily Costs: \$8,397 Cum. Costs: \$1,554,152
- 3-13-24 PU and RIH with 2 5/8" piranha mill, 13 jts – 1 1/2" Hydrill tubing, and 2 3/8" tubing. Tag fill at 8,544'. Wash and clean out fill to 8,607'. Got formation and some metal from nose cone of shoe in returns. SDFN. Operations tomorrow – Continue washing and cleaning out open hole to TD of 8,862'.
- Daily Costs: \$10,344 Cum. Costs: \$1,564,496
- 3-14-24 Continue to wash and mill ledges to 8,694'. Mill became plugged. Start to POOH with 2 3/8" tubing, 1 1/2" Hydril, and mill. Still getting a bunch of formation in returns and drilling ledges on low side of the hole. SDFN. Operations tomorrow – Continue POOH with tubing and mill. Change out mill, RIH and continue washing and cleaning out open hole to TD of 8,862'. A summary letter will be submitted to WIOs next week detailing costs to date, estimated cost to complete the well and expected production.
- Daily Costs: \$11,981 Cum. Costs: \$1,576,477

Operator: H.L. Brown Operating, L.L.C.
Well: Federal B-2
Location: Sec 4, T-8S, R-37E
County/State: Roosevelt/NM

AFE#: 23003
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3-15-24 POOH with tubing and mill. Found 1 ½" Hydril parted. Left 10' of 1 ½" Hydril tubing and piranha mill in hole. PU & start in hole with cutlip guide, overshot, jars, new 1 ½" Hydril & 2 3/8" tubing. SDFN. Operations tomorrow – Continue in hole with fishing assembly and tubing. Fish 1 ½" Hyril tubing and mill. A summary letter will be submitted to WIOs next week detailing costs to date, estimated cost to complete the well and expected production.

Daily Costs: \$9,926 Cum. Costs: \$1,586,403

3-16-24 Shut down for day due to high winds and hail. SDFN. Operations tomorrow – Continue in hole with fishing assembly and tubing. Fish 1 ½" Hyril tubing and mill. A summary letter will be submitted to WIOs next week detailing costs to date, estimated cost to complete the well and expected production.

Daily Costs: \$6,813 Cum. Costs: \$1,593,216

3-17-24 Shut down for weekend due to crew sickness. SDFN. Operations Monday – Continue in hole with fishing assembly and tubing. Fish 1 ½" Hyril tubing and mill. A summary letter will be submitted to WIOs next week detailing costs to date, estimated cost to complete the well and expected production.

Daily Costs: \$0 Cum. Costs: \$1,593,216

3-18-24 Shut down for weekend. SDFN. Operations Monday – Continue in hole with fishing assembly and tubing. Fish 1 ½" Hyril tubing and mill. A summary letter will be submitted to WIOs next week detailing costs to date, estimated cost to complete the well and expected production.

Daily Costs: \$0 Cum. Costs: \$1,593,216

3-19-24 Continue in hole with fishing assembly and tubing. Tag at 8,506'. Commenced circulation and started getting a large amount of cuttings in returns. PU and circulate well clean. SDFN. Operations tomorrow – Continue washing to top of fish estimated at 8,649'.

Daily Costs: \$12,177 Cum. Costs: \$1,605,393

3-20-24 Wash to 8,510' and tagged hard. POOH with tubing and fishing assembly. Overshot was packed full of cuttings. PU and RIH with tapered mill and tubing. Tag at 8,510'. Wash to 8,570' and lost circulation and torque. PU to above float collar and circulate hole clean. SDFN. Operations tomorrow – Continue washing to top of fish estimated at 8,649'.

Daily Costs: \$10,825 Cum. Costs: \$1,616,218

Operator: H.L. Brown Operating, L.L.C.
Well: Federal B-2
Location: Sec 4, T-8S, R-37E
County/State: Roosevelt/NM

AFE#: 23003
AFE Cost: \$990,000

3-21-24 Pump sweep above float collar. Lower to shoe and pump sweep above shoe. Washed down to 8,575' and pumped several sweeps recovering large amount of cuttings. Tagged hard at 8,577'. Worked for an hour but could not get past 8,577' – possible top of fish. PU with tubing and mill to above float collar and circulate well clean. SDFN. Operations tomorrow – POOH with tubing & mill. PU and RIH with fishing assembly and tubing. Catch fish and POOH.

Daily Costs: \$10,659 Cum. Costs: \$1,626,877

3-22-24 POOH with tubing & mill, mill was slightly worn on bottom. PU and RIH with overshot, and tubing. Tagged fish at 8,576'. Worked on engaging fish but the fish would slip off after picking up 3 feet. POOH with tubing and overshot. Found overshot plugged with cuttings. SDFN. Operations tomorrow – PU and RIH with fishing assembly with different grapple and tubing. Catch fish and POOH.

Daily Costs: \$11,478 Cum. Costs: \$1,638,355

3-23-24 PU and RIH with larger overshot, 1 15/16" grapple, and tubing to 8,560'. Circulated hole clean. Lightly tagged fish at 8,576'. Slowly worked down over fish with 2 pts. PU on fish and gained 4 pts. Lost fish after picking up 2'-3'. Repeated process several times over next two hours. POOH with tubing and overshot. Found overshot packed with cuttings and sand. SD for weekend to build washpipe. Operations Monday – PU and RIH with overshot, wash pipe and tubing. Catch fish and POOH.

Daily Costs: \$10,966 Cum. Costs: \$1,649,321

3-24-24 SD for weekend to build washpipe. Operations Monday – PU and RIH with overshot, wash pipe and tubing. Catch fish and POOH.

Daily Costs: \$0 Cum. Costs: \$1,649,321

3-25-24 SD for weekend to build washpipe. Operations Monday – PU and RIH with overshot, wash pipe and tubing. Catch fish and POOH.

Daily Costs: \$0 Cum. Costs: \$1,649,321

Operator: H.L. Brown Operating, L.L.C.
Well: Federal B-2
Location: Sec 4, T-8S, R-37E
County/State: Roosevelt/NM

AFE#: 23003
AFE Cost: \$990,000

3-26-24 Unable to find suitable washpipe. Start construction of washpipe. PU and RIH with 2 15/16" overshot with 1.9" grapple design to circulate out bottom and tubing. Tag top of fish at 8,576'. Start washing down with torque. Pump sweep and got back cuttings. It appears that overshot is going down the side of the fish. Continue washing to 8,578'. Could not wash past 8,578'. PU and did not see any string weight increase. Repeat several times and could not get past 8,578'. Circulate hole clean and start POOH w/tubing and overshot. SDFN. Operations tomorrow – Continue POOH with tubing and overshot. Examine overshot to determine if it was going down the side of fish. PU and RIH with overshot, wash pipe and tubing. Catch fish and POOH.

Daily Costs: \$13,509 Cum. Costs: \$1,662,830

3-27-24 POOH with tubing and overshot. Found overshot guide worn and several spirals on grapple were worn. Also found markings on the outside of overshot. RIH with tubing to try and clean out hole beside fish. Wash to 8,578' but could not go any deeper. Circulate sweep and recovered cuttings, metal shavings, and shale. Started POOH and after pulling the 5th joint, pipe became stuck. Started working pipe and trying to circulate. Pressured up on tubing to 3,500 psi and casing to 1,500 psi. Pulled 80k on tubing but would still not move. After 2 hours of working pipe got light circulation at .5 BPM and 1,250 psi. Set 50k on tubing and SDFN. Pipe is stuck at 8,475', above the float collar and in the liner. SDFN. Operations tomorrow – Fish stuck tubing at 8,475' and POOH. PU and RIH with overshot, wash pipe and tubing. Catch fish and POOH.

Daily Costs: \$11,061 Cum. Costs: \$1,673,891

3-28-24 Found tubing with 50k on tubing. Establish conventional circulation at .2 BPM and 2,000 psi. Tried reverse circulating and pressured up on tubing to 1,500 psi. Worked and surged tubing without success. MIRU Wireline Co. RIH with gauge ring and found tubing clear to end of tubing at 8,475'. Run free point and found tubing 100% free at 8,087' and 20% free at 8,096'. Tubing is stuck at crossover at 8,095'. RIH and back off tubing 8,063' and POOH with 2 3/8" tubing. SDFN. Operations tomorrow – PU & RIH with fishing tools and jar tubing out of hole.

Daily Costs: \$28,632 Cum. Costs: \$1,702,523

3-29-24 PU and RIH with fishing tools and tubing. Tag at 5,994', rotate thru tight spot. PU above tight spot and tag again at 5,994'. Rotate thru tight spot and continue in hole. Tag another tight spot at 7,478', rotate thru and continue in hole. Tag top of fish at 8,066'. Latch fish and commence jarring on fish. Jar on fish both up and down for over one hour with no movement. Pressure up on tubing to 3,000 psi. Pressure up on annulus to 1,500 psi. SDFWE. Operations Monday – Continue fishing on tubing.

Daily Costs: \$14,653 Cum. Costs: \$1,717,176

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AFE#: 23003
 AFE Cost: \$990,000

3-30-24 SDFWE. Operations Monday – Continue fishing on tubing.

Daily Costs: \$0 Cum. Costs: \$1,717,176

3-31-24 SDFWE. Operations Monday – Continue fishing on tubing.

Daily Costs: \$0 Cum. Costs: \$1,717,176

4-1-24 SDFWE. Operations Monday – Continue fishing on tubing.

Daily Costs: \$0 Cum. Costs: \$1,717,176

4-2-24 Continue jarring on fish for 2 hours. No tubing movement. Pressure up on tubing to 4,000 psi. Pressure up on annulus to 1,500 psi. MIRU Wireline. Fired string shot at XO but did not backoff. PU to joint above XO and fired string shot. Backed off tubing and POOH with tubing and fishing assembly. Fish in hole – 2 3/8" PAC XO, 1 jt – 2 3/8" tubing with turned down collars, 2 3/8" x 1 1/2" XO, 12 jts – 1 1/2" CS Hydril. SDFN. Operations tomorrow. RIH with bit and tubing. Make sure liner is clean to top of fish. MIRU Wireline. Shoot hole in 2 3/8" joint between XOs and attempt to pump acid down tubing and out annulus. If unsuccessful, cut tubing above 2 3/8" x 1 1/2" XO and washover XO.

Daily Costs: \$42,936 Cum. Costs: \$1,760,112

4-3-24 Shut down for day due to extremely high winds with gusts over 45 mph. Operations tomorrow. RIH with tubing and screw back into fish. MIRU Wireline. Shoot hole in 2 3/8" joint between XOs and attempt to pump acid down tubing and out annulus. If unsuccessful, cut tubing above 2 3/8" x 1 1/2" XO and washover XO.

Daily Costs: \$9,946 Cum. Costs: \$1,770,058

4-4-24 RIH with tubing. Tag top of fish and circulate hole clean. Screw into fish. MIRU Wireline. Fire two string shots in attempt to back off upper XO so a chemical cutter can be run in the tubing. POOH with tubing and did not have upper XO. SDFN. Operations tomorrow. RIH with tubing and screw back into fish. MIRU Wireline. Shoot a split shot hole in 2 3/8" joint between XOs and attempt to pump acid down tubing and out annulus. If unsuccessful, cut tubing above 2 3/8" x 1 1/2" XO and washover XO.

Daily Costs: \$30,124 Cum. Costs: \$1,800,182

Operator: H.L. Brown Operating, L.L.C.
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AFE#: 23003
AFE Cost: \$990,000

4-5-24 RIH with tubing. Tag top of fish and circulate hole clean. Screw into fish. MIRU Wireline. Shoot split shot at 8,093'-8,094'. Establish circulation at .5 BPM at 2,000 psi down tubing with .125 BPM returns up annulus. After 1.5 barrels pump pressure increased to 4,000 psi. After 5 minutes, pressure bled down to 1,300 psi. Repeated several times with same results. RIH with second split shot but could not get past 8,076' due to debris from first split shot. RIH and backoff tubing above upper XO. SDFN. Operations tomorrow. Spot acid to end of tubing, screw back into upper XO, and attempt to circulate acid to annulus. If unsuccessful, cut tubing above 2 3/8" x 1 1/2" XO and washover XO.

Daily Costs: \$40,217 Cum. Costs: \$1,840,399

4-6-24 MIRU Pump Truck. Spot 110 gals acid to end of tubing. Screw back into fish. Displace acid out split shot hole. Start working tubing with 25 pts both up and down. Did not have any tubing movement. Put 1600# of torque on tubing and did not get any movement. Pressure up on tubing to 4,000 psi with small amount of flow out annulus. Pressure up on annulus to 1,000 psi, with small flow out tubing. Pull 20 pts on tubing & SDFWE. Operations Monday. Submit P&A request to New Mexico OCD. Rig down equipment and wait on OCD approval to plug and abandon the wellbore.

Daily Costs: \$14,378 Cum. Costs: \$1,854,777

4-7-24 SDFWE. Operations Monday. Submit P&A request to New Mexico OCD. Rig down equipment and wait on OCD approval to plug and abandon the wellbore.

Daily Costs: \$0 Cum. Costs: \$1,854,777

4-8-24 SDFWE. Operations Monday. Submit P&A request to New Mexico OCD. Rig down equipment and wait on OCD approval to plug and abandon the wellbore.

Daily Costs: \$0 Cum. Costs: \$1,854,777

4-9-24 Found tubing with 20 pts. Worked tubing but would still not move. Pressured up on tubing to 4,000 psi with very slight flow out annulus. MIRU Wireline. Backoff tubing Circulate well clean. PU 4 jts and shut in well. Rig down and release all equipment. **Temporarily dropped from report pending P&A operations.**

Daily Costs: \$30,449 Cum. Costs: \$1,885,226

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Operator: H.L. Brown Operating, L.L.C.
Well: Federal B-2
Location: Sec 4, T-8S, R-37E
County/State: Roosevelt/NM

AFE#: 23003
AFE Cost: \$990,000

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<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 493180

CONDITIONS

Operator: H L BROWN OPERATING, LLC P.O. Box 2237 Midland, TX 79702	OGRID: 213179
	Action Number: 493180
	Action Type: [C-103] Sub. (Re)Completion Sundry (C-103T)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Work was performed without OCD approval. Accepted for the record.	9/17/2025