



Angus Federal #17 SWD -1

Client: **LongFellow Energy**
Well Name: **Angus Federal #17 SWD -1**
Location: **Angus Federal**
Field/Pool: **Loco Hills**
Formation Name:
Test/Prod. Interval [ft KB Log]: -
Test Date: **2025/04/23**
Test/job Number: **41308**



PRODUCTION
SOLUTIONS

Service Company: Production Solutions



SUMMARY**Well Information:**

Client Name:	LongFellow Energy	Packer:	Yes
Client Address:		Tubing in Well:	Yes
		Flow Path:	Tubing
		Well Fluid Type at Test Date:	Gas
Well Name:	Angus Federal #17 SWD -1	Well Type:	Vertical
Well Location:	Angus Federal		
Pool:	Loco Hills	KB Elevation [ft]:	
Reservoir:		CF Elevation [ft]:	
Well ID:		Ground Elevation [ft]:	
License Number:		Inside Diameter of Production Tubing [in]:	3.5
Drilling Leg:		Inside Diameter of Production Casing [in]:	7
Formation Name:		Outside Diameter of Production Tubing [in]:	2 7/8

Test Information:

Test Name:	Angus Federal #17 SWD -1	Gauge Run Depth [ft KB (TVD)]:	
Test/job Number:	41308	H2S:	
Test Purpose:	Initial Test	Test/Prod. Interval Top [ft KB (TVD)]:	
Test/Prod. Interval Top [ft KB (Log)]:		Test/Prod. Interval Base [ft KB (TVD)]:	
Time/Date Well Shut-In:	2025/04/23 11:28:00	Final Test Date/Time:	2025/04/23 13:33:00
Initial Tubing Pressure [psia]:	750	Initial Casing Pressure [psia]:	0
Final Tubing Pressure [psia]:	750	Final Casing Pressure [psia]:	0
Final Flowing WH Pressure [psia]:		Surface Temperature [degF]:	78

Gauge Information:

Gauge Serial Number:	41308	Date Of Last Calibration:	2021/12/09
Maximum Recorder Range [psia]:	10000	Accuracy [% Of Full-Scale]:	0.03
Resolution [% Of Full-Scale]:	0.0003	Date/Time Gauge Off Bottom:	2025/04/23 13:33:00
Date/Time Gauge On Bottom:	2025/04/23 12:25:00		



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EVENTS TABLE

Calendar (yyyy/mm/dd hh:mm:ss)	Elapsed time (hours)	Pressure (psia)	Temperature (degF)	Comment
2025/04/23 11:41:32	0.22556	14.325	81.138	D = 0 feet P= 14.33 psia T= 81.14 degF
2025/04/23 12:38:02	1.16722	5124.314	134.095	D = 8800 feet P= 5124.31 psia T= 134.09 degF
2025/04/23 13:40:44	2.21222	14.206	81.747	D = 0 feet P= 14.21 psia T= 81.75 degF



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GRADIENTS TABLE

Calendar time (yyyy/mm/dd hh:mm:ss)	Elapsed time (Hours)	Stop type	Meas. depth (ft)	TV depth (ft)	Pressure (psia)	Temperature (degF)	Pressure gradient (psia/ft)	Temperature gradient (degF/ft)
2025/04/23 11:41:32	0.22556	Static	0.00	0.00	14.325	81.138		
2025/04/23 12:38:02	1.16722	Static	8800.00	8800.00	5124.314	134.095	0.581	0.006
2025/04/23 13:40:44	2.21222	Static	0.00	0.00	14.206	81.747	0.581	0.006



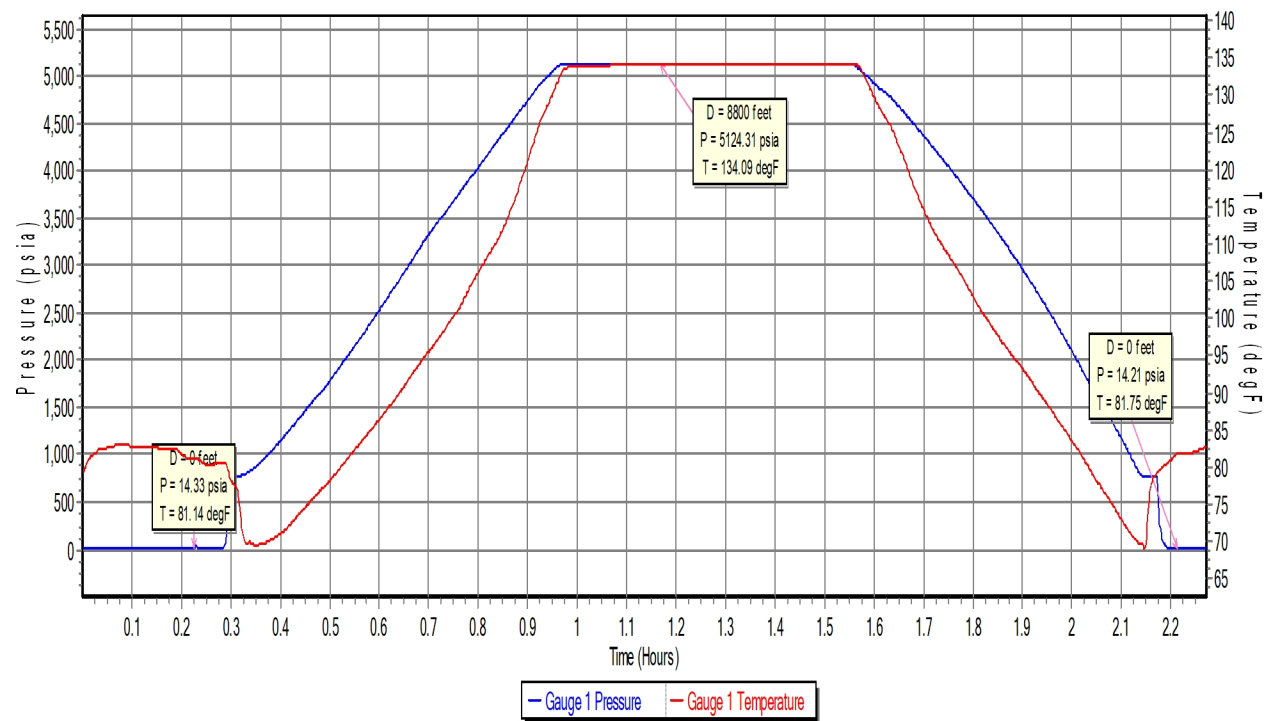
Client: LongFellow Energy
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Test/Prod. Interval Base [ft KB (TVD)]:

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DATA PLOT





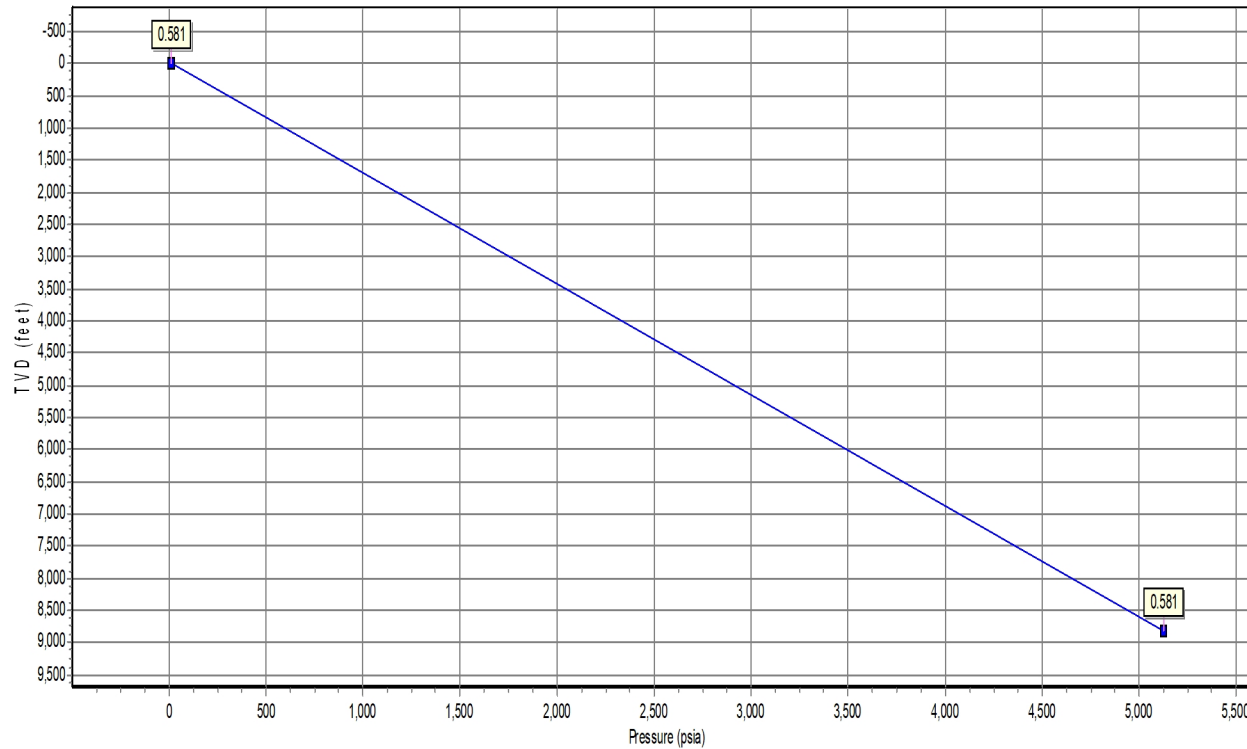
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PRESSURE GRADIENT PLOT





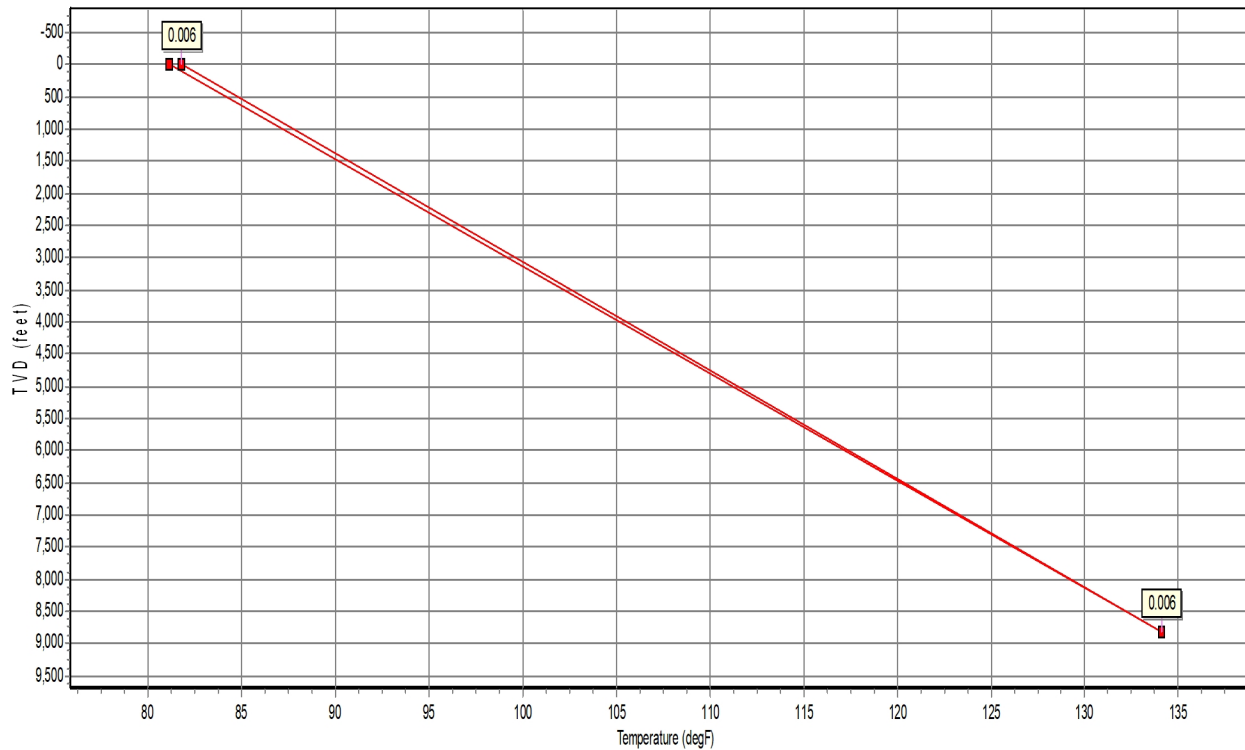
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TEMPERATURE GRADIENT PLOT



Submit a Copy To Appropriate District

Office

District I - (575) 393-6161

1625 N. French Dr., Hobbs, NM 88240

District II - (575) 748-1283

811 S. First St., Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Rd., Aztec, NM 87410

District IV - (505) 476-3460

1220 S. St. Francis Dr., Santa Fe, NM

87505

State of New Mexico
Energy, Minerals and Natural ResourcesForm C-103
Revised July 18, 2013OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-015-55341

5. Indicate Type of Lease Fed X
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other SWD Injection2. Name of Operator
Longfellow Energy, LP3. Address of Operator
8115 Preston Rd., Suite 800, Dallas, TX, 75225

4. Well Location

Unit Letter P : 610 feet from the South line and 705 feet from the East line
Section 17 Township 17S Range 29E NMPM County Eddy11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3602.5 GR7. Lease Name or Unit Agreement Name
Angus Federal 17 SWD

8. Well Number 1

9. OGRID Number
37221010. Pool name or Wildcat
SWD; Canyon

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: Downhole Pressure Survey ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See attached pages

Spud Date:

8-22-2024

Rig Release Date:

9-11-2024

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE



TITLE Sr. Engineering Tech & Regulatory Specialist

DATE 6/3/2025

Type or print name David Cain

E-mail address: david.cain@longfellowenergy.com PHONE: 972-590-9918

For State Use Only

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

COMMENTS

Action 470492

COMMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 470492
	Action Type: [C-103] Sub. General Sundry (C-103Z)

COMMENTS

Created By	Comment	Comment Date
anthony.harris	Note the following for the Gradient Survey. Pore pressure Gradient = 5124 psi/8800 ft = 0.582 psi/ft.	10/2/2025
anthony.harris	Surface Pressure = 750 psi. Fluid Gradient = (5124 - 750) / 8800 ft = 0.497 psi/ft	10/2/2025

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CONDITIONS

Action 470492

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	Action Number: 470492
	Action Type: [C-103] Sub. General Sundry (C-103Z)

CONDITIONS

Created By	Condition	Condition Date
anthony.harris	None	10/2/2025