

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011
Submit one copy to appropriate District Office
AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Longfellow Energy LP 8115 Preston Road, Suite 800 Dallas, TX 75225		² OGRID Number 372210
		³ Reason for Filing Code/ Effective Date NW 7/2023
⁴ API Number 30 – 015-49775	⁵ Pool Name Red Lake; Glorieta – Yeso, Northeast	⁶ Pool Code 96836
⁷ Property Code 333089	⁸ Property Name Bonzo State Com 1924 CDX	⁹ Well Number 002H

II. ¹⁰ Surface Location

Ul or lot no. L	Section 20	Township 17S	Range 28E	Lot Idn	Feet from the 1854	North/South Line South	Feet from the 745	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. J	Section 24	Township 17S	Range 27E	Lot Idn	Feet from the 1851	North/South line South	Feet from the 2611	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 4/1/2023	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
33479	Holly Frontier Refining and Marketing LLC 10 Desta Drive, Suite 350 W Midland, TX 79705	Oil
36785	DCP Operating Company LP	Gas

IV. Well Completion Data

²¹ Spud Date 12/17/2022	²² Ready Date 4/28/2023	²³ TD 3804'V/12280'M	²⁴ PBSD 3806'V/12205'M	²⁵ Perforations 12,186'-4,416'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8"	1313'	580		
8-3/4"	7"	4270'	1970		
8-3/4"	5-1/2"	12280'	1970		

V. Well Test Data

³¹ Date New Oil 5/26/2023	³² Gas Delivery Date 5/19/2023	³³ Test Date 7/17/2023	³⁴ Test Length 24	³⁵ Tbg. Pressure 320	³⁶ Csg. Pressure 95
³⁷ Choke Size N/A	³⁸ Oil 161	³⁹ Water 3071	⁴⁰ Gas 273		⁴¹ Test Method ESP
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: David Cain			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Analyst			Title: PETROLEUM SPECIALIST		
E-mail Address: David.cain@longfellowenergy.com			Approval Date: 8/3/2023		
Date: 7/18/2023		Phone: (972) 590-9918			



July 18, 2023

NMOCD
1220 South St Francis Drive
Santa Fe, NM 87505

Re: Bonzo State Com 1924 CDX 002H Tight Hole Status 30-015-49775

Hello,

Pursuant to NMOCD rule 19.15.7.16(C) request is herein made to keep all data and accompanying attachments contained in form C-105 confidential.

Best Regards,

A handwritten signature in black ink, appearing to read 'David Cain', with a long horizontal flourish extending to the right.

David Cain
Engineering Technologist & Regulatory Specialist
Longfellow Energy, LP
972-590-9918
david.cain@longfellowenergy.com

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-49775	² Pool Code 96836	³ Pool Name RED LAKE; GLORIETA-YESO, NORTHEAST
⁴ Property Code 333089	⁵ Property Name BONZO STATE COM 1924 CDX	⁶ Well Number 002H
⁷ OGRID No. 372210	⁸ Operator Name LONGFELLOW ENERGY, LP	⁹ Elevation 3600.6

¹⁰ Surface Location

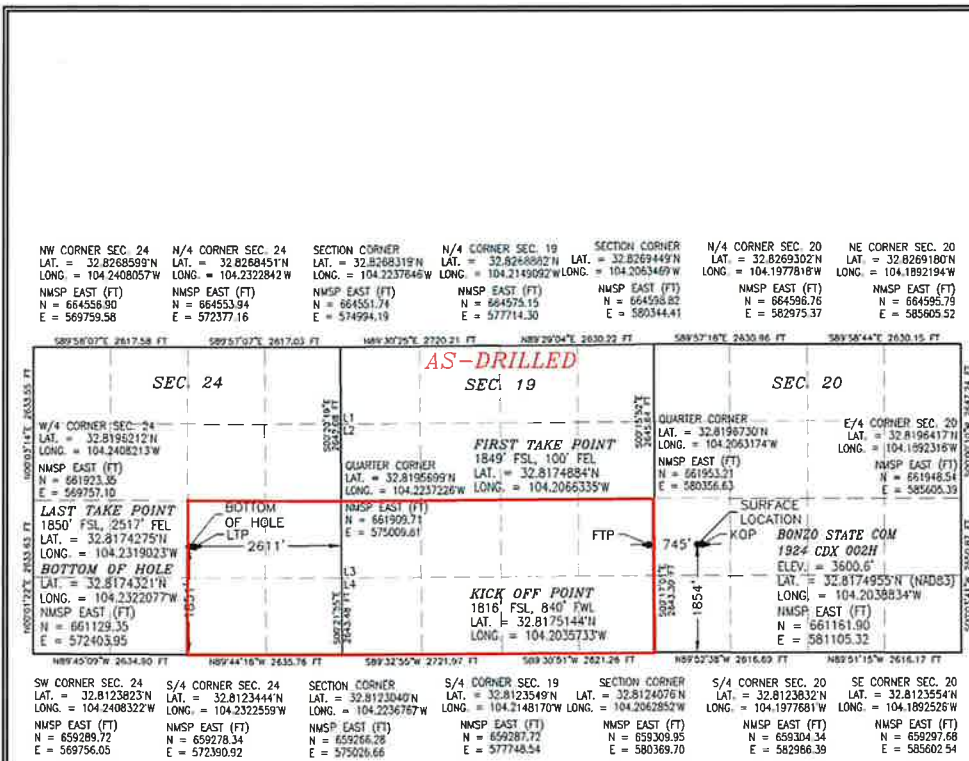
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	20	17 S	28 E		1854	SOUTH	745	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	24	17 S	27 E		1851	SOUTH	2611	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
486.05		C	

No allowance will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: David Cain Date: 1-26-2023

Printed Name

david.cain@longfellowenergy.com

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 24, 2023

Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number: 12797

Surveyor's License No. 8716B

Intent ☐ As Drilled ☒

API # 30-015-49775		
Operator Name: LONGFELLOW ENERGY, LP	Property Name: BONZO STATE COM 1924 CDX	Well Number 002H

Kick Off Point (KOP)

UL L	Section 20	Township 17S	Range 28E	Lot -	Feet 1861	From N/S SOUTH	Feet 840	From E/W WEST	County EDDY
Latitude 32.8175144					Longitude 104.2035733			NAD 83	

First Take Point (FTP)

UL I	Section 19	Township 17S	Range 28E	Lot	Feet 1849	From N/S SOUTH	Feet 100	From E/W EAST	County EDDY
Latitude 32.8174884					Longitude 104.2066335			NAD 83	

Last Take Point (LTP)

UL J	Section 24	Township 17S	Range 27E	Lot	Feet 1850	From N/S SOUTH	Feet 2517	From E/W EAST	County EDDY
Latitude 32.8174275					Longitude 104.2319023			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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	Form C-103 August 1, 2011 Permit 340827 WELL API NUMBER 30-015-49775 5. Indicate Type of Lease State 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name BONZO STATE COM 1924 CDX																								
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		8. Well Number 002H																								
2. Name of Operator LONGFELLOW ENERGY, LP		9. OGRID Number 372210																								
3. Address of Operator 8115 Preston Road, Suite 800, Dallas, TX 75225		10. Pool name or Wildcat																								
4. Well Location Unit Letter <u>L</u> : <u>1854</u> feet from the <u>S</u> line and feet <u>745</u> from the <u>W</u> line Section <u>20</u> Township <u>17S</u> Range <u>28E</u> NMPM _____ County <u>Eddy</u>																										
11. Elevation (Show whether DR, KB, BT, GR, etc.) 3600 GR																										
Pit or Below-grade Tank Application ☐ or Closure ☐ Pit Type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____																										
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data <table style="width:100%;"> <tr> <td colspan="2" style="text-align: center;">NOTICE OF INTENTION TO:</td> <td colspan="2" style="text-align: center;">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>PERFORM REMEDIAL WORK ☐</td> <td>PLUG AND ABANDON ☐</td> <td>REMEDIAL WORK ☐</td> <td>ALTER CASING ☐</td> </tr> <tr> <td>TEMPORARILY ABANDON ☐</td> <td>CHANGE OF PLANS ☐</td> <td>COMMENCE DRILLING OPNS. ☐</td> <td>PLUG AND ABANDON ☐</td> </tr> <tr> <td>PULL OR ALTER CASING ☐</td> <td>MULTIPLE COMPL ☐</td> <td>CASING/CEMENT JOB ☐</td> <td></td> </tr> <tr> <td colspan="2">Other: _____</td> <td colspan="2">Other: <u>Perforations/Tubing</u> ☒</td> </tr> </table>			NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTER CASING ☐	TEMPORARILY ABANDON ☐	CHANGE OF PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDON ☐	PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐		Other: _____		Other: <u>Perforations/Tubing</u> ☒					
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Other: _____		Other: <u>Perforations/Tubing</u> ☒																								
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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. See Attached Perforations Pool: RED LAKE; GLORIETA-YESO, NORTHEAST , 96836 Location: J -24-17S-27E 1851 S 2611 E <table style="width:100%;"> <tr> <td>TOP</td> <td>BOT</td> <td>Open Hole</td> <td>Shots/ft</td> <td>Shot Size</td> <td>Material</td> <td>Stimulation</td> <td>Amount</td> </tr> <tr> <td>12186</td> <td>4416</td> <td>N</td> <td>4</td> <td>0.42</td> <td>Sand/Water</td> <td>Frac</td> <td>9185670</td> </tr> </table> Tubing RED LAKE; GLORIETA-YESO, NORTHEAST , 96836 <table style="width:100%;"> <tr> <td>Tubing Size</td> <td>Type</td> <td>Depth Set</td> <td>Packer Set</td> </tr> <tr> <td>2.875</td> <td>L80</td> <td>3992</td> <td>0</td> </tr> </table>			TOP	BOT	Open Hole	Shots/ft	Shot Size	Material	Stimulation	Amount	12186	4416	N	4	0.42	Sand/Water	Frac	9185670	Tubing Size	Type	Depth Set	Packer Set	2.875	L80	3992	0
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Tubing Size	Type	Depth Set	Packer Set																							
2.875	L80	3992	0																							
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .																										
<table style="width:100%;"> <tr> <td>SIGNATURE</td> <td><u>Electronically Signed</u></td> <td>TITLE</td> <td><u>Engineering Technologist</u></td> <td>DATE</td> <td><u>5/19/2023</u></td> </tr> <tr> <td>Type or print name</td> <td><u>David Cain</u></td> <td>E-mail address</td> <td><u>david.cain@longfellowenergy.com</u></td> <td>Telephone No.</td> <td><u>214-265-4715</u></td> </tr> </table>			SIGNATURE	<u>Electronically Signed</u>	TITLE	<u>Engineering Technologist</u>	DATE	<u>5/19/2023</u>	Type or print name	<u>David Cain</u>	E-mail address	<u>david.cain@longfellowenergy.com</u>	Telephone No.	<u>214-265-4715</u>												
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For State Use Only: <table style="width:100%;"> <tr> <td>APPROVED BY:</td> <td><u>Sarah K McGrath</u></td> <td>TITLE</td> <td><u>Petroleum Specialist - A</u></td> <td>DATE</td> <td><u>6/14/2023 3:12:33 PM</u></td> </tr> </table>			APPROVED BY:	<u>Sarah K McGrath</u>	TITLE	<u>Petroleum Specialist - A</u>	DATE	<u>6/14/2023 3:12:33 PM</u>																		
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Bonzo State Com 1924CDX 002H Tubing & Perf Sundries

002H

RUPU 3/24/2023. Pressure test csg to 7000# for 30 min. Good test. RIH & Perf from 12186-12001, 11981-11796, 11776-11591, 11501-11322, 11298-11115, 11092-10912, 10892-10709, 10689-10506, 10486-10303, 10283-10100, 10080-9897, 9872-9694, 9674-9491, 9471-9289, 9268-9085, 9065-8886, 8862-8679, 8661-8480, 8456-8273, 8255-8069, 8050-7867, 7843-7664, 7644-7461, 7438-7258, 7238-7055, 7035-6852, 6832-6649, 6629-6446, 6426-6243, 6223-6040, 6020-5837, 5817-5634, 5614-5431, 5411-5228, 5205-5025, 5005-4822, 4802-4619, 4599-4416. Frac in 38 stages w/ 576214bbls slickwater and 9185670# sand. 4/19/2023 rig down and cleanout. RIH w/ 2-7/8 tbg @ 3992'. Put well on submersible pump.

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017													
1. WELL API NO. 30-015-49775							2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN											
3. State Oil & Gas Lease No.							5. Lease Name or Unit Agreement Name Bonzo State Com 1924 CDX											
WELL COMPLETION OR RECOMPLETION REPORT AND LOG							6. Well Number: 002H											
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)							5. Well Number: 002H											
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER																		
8. Name of Operator Longfellow Energy, LP							9. OGRID 372210											
10. Address of Operator 8115 Preston Rd, Suite 800, Dallas, TX 75225							11. Pool name or Wildcat Red Lake; Glorieta-Yeso, Northeast											
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	L	20	17 S	28 E		1854	South	745	West	Eddy								
BH:	J	24	17 S	27 E		1851	South	2611	East	Eddy								
13. Date Spudded	14. Date T.D. Reached		15. Date Rig Released		16. Date Completed (Ready to Produce)			17. Elevations (DF and RKB, RT, GR, etc.)										
12/17/2022	12/29/2022		12/30/2022		4/28/2023			3601										
18. Total Measured Depth of Well			19. Plug Back Measured Depth			20. Was Directional Survey Made?		21. Type Electric and Other Logs Run										
12280'			12205'			Yes		Mudlog										
22. Producing Interval(s), of this completion - Top, Bottom, Name 4416'-12186' Yeso																		
23. CASING RECORD (Report all strings set in well)																		
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED								
9-5/8"		36#		1313'		12-1/4"		580 sxs. cmt to surf		0								
7"		32#		4270'		8-3/4"		1970 sxs. cmt to surf		0								
5-1/2"		20#		12280'		8-3/4"		1970 sxs. cmt to surf		0								
24. LINER RECORD																		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD													
					SIZE	DEPTH SET	PACKER SET											
					2-7/8"	3992'												
26. Perforation record (interval, size, and number) 12186-12001, 11981-11796, 11776-11591, 11501-11322, 11298-11115, 11092-10912, 10892-10709, 10689-10506, 10486-10303, 10283-10100, 10080-9897, 9872-9694, 9674-9491, 9471-9289, 9268-9085, 9065-8886, 8862-8679, 8661-8480, 8456-8273, 8255-8069, 8050-7867, 7843-7664, 7644-7461, 7438-7258, 7238-7055, 7035-6852, 6832-6649, 6629-6446, 6426-6243, 6223-6040, 6020-5837, 5817-5634, 5614-5431, 5411-5228, 5205-5025, 5005-4822, 4802-4619, 4599-4416.																		
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>DEPTH INTERVAL</td> <td>AMOUNT AND KIND MATERIAL USED</td> </tr> <tr> <td>4416'-12186'</td> <td>Frac is 38 stages w/ 576214bbls slickwater and 9185670# sand</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>											DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	4416'-12186'	Frac is 38 stages w/ 576214bbls slickwater and 9185670# sand				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
4416'-12186'	Frac is 38 stages w/ 576214bbls slickwater and 9185670# sand																	
28. PRODUCTION																		
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)												
5/19/2023		Electric Submersible Pump				Prod												
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio											
7/17/2023	24	NA		161	273	3071												
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)												
320	95		161	273	3071													
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By Jarrett Webb											
31. List Attachments																		
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:											
34. If an on-site burial was used at the well, report the exact location of the on-site burial:																		
Latitude				Longitude				NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief																		
Signature			Printed Name		Title			Date										
			David Cain		Regulatory Analyst			7/18/2023										
E-mail Address david.cain@longfellowenergy.com																		

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg 1583'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 1903'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 3287'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 3323'	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinbry 4010'	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

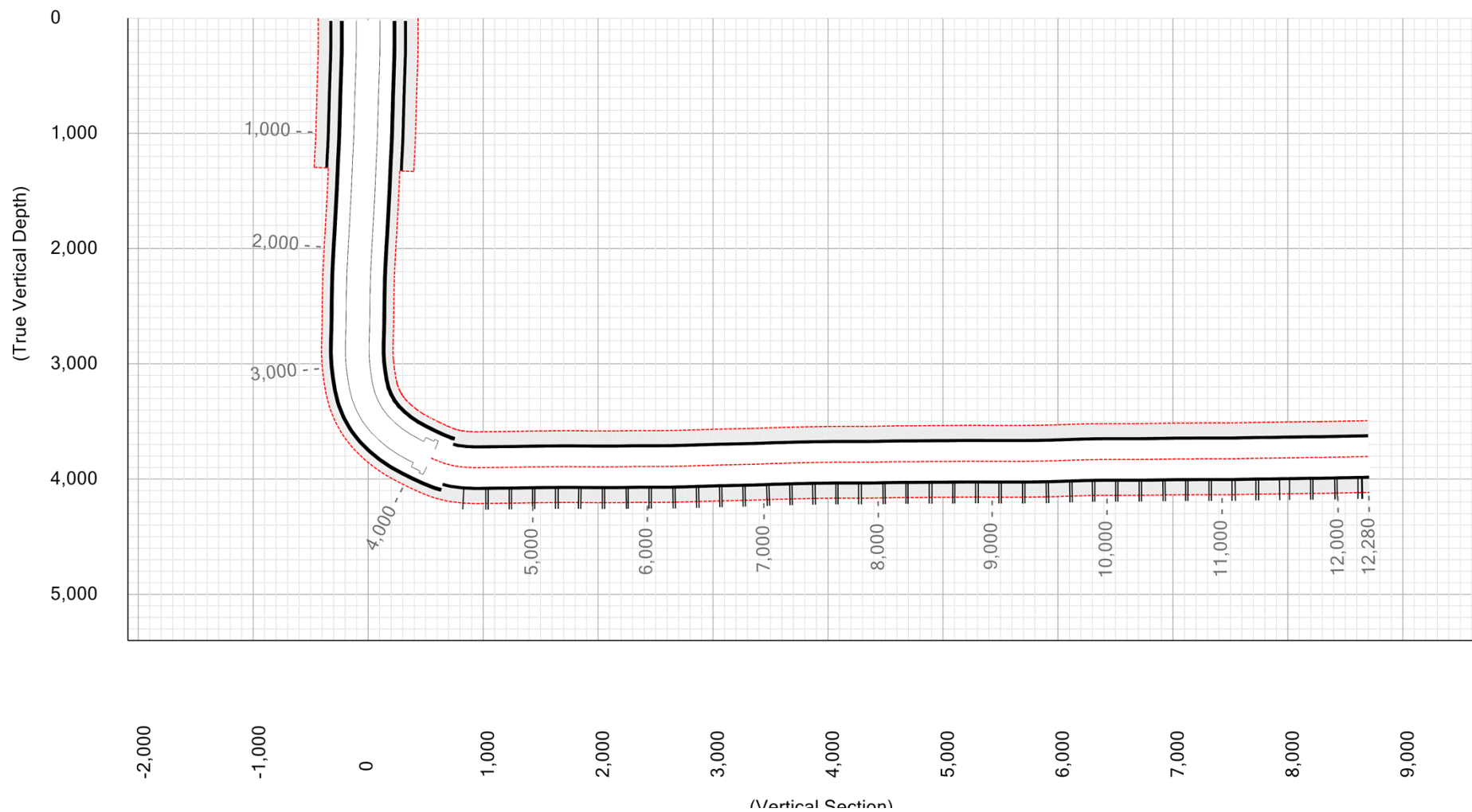
Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

Bonzo State Com 1924 CDX # 2H, 5/18/2023



Bonzo State Com 1924 CDX # 2H API # 30-015-49775			
1854' FSL & 745' FWL	GL Elev: 3,600.00	KOP:	2,865
Section 20, Township 17S, Range 28E		EOC:	4,450
County, State: Eddy, NM		Fill Depth:	
Aux ID:		PBTD:	12,232.00
'KB' correction: 26.5; All Depths Corr To: KB		TD:	12,280.00
		BOP:	7 1/16" 10M

Hole Size

Diameter	Top At	Btm At	Date Drilled
12.2500	0.00	1,315.00	12/17/2022
8.7500	1,315.00	12,280.00	12/29/2022

Surface Casing

Date Ran: 12/17/2022

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	34	9.6250	36.00	J55	1,286.50	26.50	1,313.00

Production Casing

Date Ran: 12/29/2022

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	74	7.0000	32.00	L80	2,866.28	26.50	2,892.78
Bow spring every 3rd jt							
Marker Jt	1	7.0000	32.00	L80	18.69	2,892.78	2,911.47
Casing	34	7.0000	32.00	L80	1,356.75	2,911.47	4,268.22
Bow spring every 3rd jt							
Crossover	1	5.5000	20.00	L80	2.20	4,268.22	4,270.42
Casing	9	5.5000	20.00	L80	403.07	4,270.42	4,673.49
Spiral body every 2nd jt							
Float Insert	1	5.5000	20.00	L80	2.12	4,673.49	4,675.61
Casing	53	5.5000	20.00	L80	2,366.06	4,675.61	7,041.67
Spiral body every 2nd jt							
Marker Jt	1	5.5000	20.00	L80	21.27	7,041.67	7,062.94
Casing	56	5.5000	20.00	L80	2,501.02	7,062.94	9,563.96
Spiral body every 2nd jt							
Marker Jt	1	5.5000	20.00	L80	21.67	9,563.96	9,585.63
Casing	55	5.5000	20.00	L80	2,445.19	9,585.63	12,030.82
Spiral body every 2nd jt							
Marker Jt	1	5.5000	20.00	L80	21.91	12,030.82	12,052.73
Casing	4	5.5000	20.00	L80	179.20	12,052.73	12,231.93
Solid body every jt							
Float Collar	1	5.5000	20.00	L80	1.25	12,231.93	12,233.18
Casing	1	5.5000	20.00	L80	44.78	12,233.18	12,277.96
Float Shoe	1	5.5000	20.00	L80	2.04	12,277.96	12,280.00

Cement

Top At	Btm At	I D	O D	TOC Per	# - Type	# Sx	Class	Wt.
0.00	1,311.00	9.625	12.250	Circ	1 - Lead	450	C	13.50
					2 - Tail	130	C	14.80
Circ 38 bbls or 124 sx to surf								
4,268.00	12,280.00	5.500	8.750	Circ				
0.00	4,268.00	7.000	8.750	Circ	1 - Lead	375	C 35/65	12.20

Cement

Top At	Btm At	I D	O D	TOC Per	# - Type	# Sx	Class	Wt.
					2 - Tail	1595	C	14.50
Circ 158 sx to surf								

Zone and Perfs

Comments / Completion Summary

Stg	Top	Btm	AIR	AIP	MIR	MIP	ISIP
1	12001	12186	104	6930	115	7087	1383
2	11796	11981	107	6917	112	7142	1422
3	11591	11776	107	6947	110	7102	1462
4	11322	11501	121	6936	127	7357	1453
5	11115	11298	131	6899	135	7239	1469
6	10912	11092	128	6888	136	7314	1469
7	10709	10892	135	6556	136	7154	1413
8	10506	10689	130	6850	137	7305	1423
9	10303	10486	130	6894	136	7305	1443
10	10100	10283	121	6697	122	7255	1487
11	9897	10080	119	6909	122	7318	1479
12	9694	9872	118	6975	135	7457	1558
13	9491	9674	130	6971	135	7219	1566
14	9289	9471	128	6848	137	7239	1545
15	9085	9268	128	6855	135	7378	1512
16	8886	9065	126	6957	136	7177	1535
17	8679	8862	130	6772	136	7471	1565
18	8480	8661	136	6487	138	7337	1577
19	8273	8456	134	6488	135	7202	1532
20	8069	8255	132	6537	135	7284	1616
21	7867	8050	132	6655	137	7196	1668
22	7664	7843	134	6106	135	7209	1683
23	7461	7644	133	6580	137	7341	1650
24	7258	7438	134	6594	136	7282	1697
25	7055	7238	135	5541	139	7312	1676
26	6852	7035	115	5249	138	6851	1677
27	6649	6832	135	5966	135	6730	1715
28	6446	6629	123	5817	138	6272	1690
29	6243	6426	135	5898	137	7160	1775
30	6040	6223	135	6066	135	7107	1781
31	5837	6020	135	5834	136	6771	1802
32	5634	5817	135	5457	137	7209	1810
33	5431	5614	134	5982	136	6389	1912
34	5228	5411	136	5347	138	5923	1892
35	5025	5205	135	5169	136	6932	1842
36	4822	5005	135	4872	136	6750	1820
37	4619	4802	136	4967	139	5531	1798
38	4416	4599	136	5213	138	5683	1844

Perforations

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
4,416.00	4,599.00	Upper Blinebry	A	4/17/2023	4/17/2023	3	32
Stage 38 - (4,3,3,3,4,3,3,3,3,3)							
4,619.00	4,802.00	Upper Blinebry	A	4/17/2023	4/17/2023	3	32
Stage 37 - (4,3,3,3,4,3,3,3,3,3)							
4,822.00	5,005.00	Upper Blinebry	A	4/17/2023	4/17/2023	3	32
Stage 36 - (4,3,3,3,4,3,3,3,3,3)							
5,025.00	5,205.00	Upper Blinebry	A	4/17/2023	4/17/2023	3	32
Stage 35 - (4,3,3,3,4,3,3,3,3,3)							
5,228.00	5,411.00	Upper Blinebry	A	4/16/2023	4/16/2023	3	32
Stage 34 - (4,3,3,3,4,3,3,3,3,3)							
5,431.00	5,614.00	Upper Blinebry	A	4/16/2023	4/16/2023	3	32
Stage 33 - (4,3,3,3,4,3,3,3,3,3)							
5,634.00	5,817.00	Upper Blinebry	A	4/16/2023	4/16/2023	3	32
Stage 32 - (4,3,3,3,4,3,3,3,3,3)							
5,837.00	6,020.00	Upper Blinebry	A	4/16/2023	4/16/2023	3	32
Stage 31 - (4,3,3,3,4,3,3,3,3,3)							
6,040.00	6,223.00	Upper Blinebry	A	4/16/2023	4/16/2023	3	32
Stage 30 - (4,3,3,3,4,3,3,3,3,3)							
6,243.00	6,426.00	Upper Blinebry	A	4/15/2023	4/15/2023	3	32
Stage 29 - (4,3,3,3,4,3,3,3,3,3)							
6,446.00	6,629.00	Upper Blinebry	A	4/15/2023	4/15/2023	3	32
Stage 28 - (4,3,3,3,4,3,3,3,3,3)							
6,649.00	6,832.00	Upper Blinebry	A	4/15/2023	4/15/2023	3	32
Stage 27 - (4,3,3,3,4,3,3,3,3,3)							
6,852.00	7,035.00	Upper Blinebry	A	4/14/2023	4/14/2023	3	32
Stage 26 - (4,3,3,3,4,3,3,3,3,3)							
7,055.00	7,238.00	Upper Blinebry	A	4/14/2023	4/14/2023	3	32
Stage 25 - (4,3,3,3,4,3,3,3,3,3)							
7,258.00	7,438.00	Upper Blinebry	A	4/14/2023	4/14/2023	3	32
Stage 24 - (4,3,3,3,4,3,3,3,3,3)							
7,461.00	7,644.00	Upper Blinebry	A	4/13/2023	4/13/2023	3	32
Stage 23 - (4,3,3,3,4,3,3,3,3,3)							
7,664.00	7,843.00	Upper Blinebry	A	4/12/2023	4/12/2023	3	32
Stage 22 - (4,3,3,3,4,3,3,3,3,3)							
7,867.00	8,050.00	Upper Blinebry	A	4/12/2023	4/12/2023	3	32
Stage 21 - (4,3,3,3,4,3,3,3,3,3)							
8,069.00	8,255.00	Upper Blinebry	A	4/11/2023	4/11/2023	3	32
Stage 20 - (4,3,3,3,4,3,3,3,3,3)							
8,273.00	8,456.00	Upper Blinebry	A	4/11/2023	4/11/2023	3	32
Stage 19 - (4,3,3,3,4,3,3,3,3,3)							
8,480.00	8,661.00	Upper Blinebry	A	4/11/2023	4/11/2023	3	32
Stage 18 - (4,3,3,3,4,3,3,3,3,3)							
8,679.00	8,862.00	Upper Blinebry	A	4/10/2023	4/10/2023	3	30
Stage 17 - (3,3,3,3,3,3,3,3,3,3)							
8,886.00	9,065.00	Upper Blinebry	A	4/9/2023	4/9/2023	3	30
Stage 16 - (3,3,3,3,3,3,3,3,3,3)							
9,085.00	9,268.00	Upper Blinebry	A	4/9/2023	4/9/2023	3	30
Stage 15 - (3,3,3,3,3,3,3,3,3,3)							

Perforations

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
9,289.00	9,471.00	Upper Blinebry	A	4/9/2023	4/9/2023	3	30
Stage 14 - (3,3,3,3,3,3,3,3,3,3)							
9,491.00	9,674.00	Upper Blinebry	A	4/8/2023	4/8/2023	3	30
Stage 13 - (3,3,3,3,3,3,3,3,3,3)							
9,694.00	9,872.00	Upper Blinebry	A	4/8/2023	4/8/2023	3	30
Stage 12 - (3,3,3,3,3,3,3,3,3,3)							
9,897.00	10,080.00	Upper Blinebry	A	4/7/2023	4/7/2023	3	30
Stage 11 - (3,3,3,3,3,3,3,3,3,3)							
10,100.00	10,283.00	Upper Blinebry	A	4/7/2023	4/7/2023	3	30
Stage 10 - (3,3,3,3,3,3,3,3,3,3)							
10,303.00	10,486.00	Upper Blinebry	A	4/7/2023	4/7/2023	3	30
Stage 9 - (3,3,3,3,3,3,3,3,3,3)							
10,506.00	10,689.00	Upper Blinebry	A	4/6/2023	4/6/2023	3	36
Stage 8 - (4,4,4,4,4,4,3,3,3,3)							
10,709.00	10,892.00	Upper Blinebry	A	4/6/2023	4/6/2023	3	32
Stage 7 - (4,3,3,3,4,3,3,3,3,3)							
10,912.00	11,092.00	Upper Blinebry	A	4/6/2023	4/6/2023	3	32
Stage 6 - (4,3,3,3,4,3,3,3,3,3)							
11,115.00	11,298.00	Upper Blinebry	A	4/5/2023	4/5/2023	3	34
Stage 5 - (6,3,3,3,3,4,3,3,3,3)							
11,322.00	11,501.00	Upper Blinebry	A	4/4/2023	4/5/2023	3	36
Stage 4 - (6,3,3,3,6,3,3,3,3,3)							
11,591.00	11,776.00	Upper Blinebry	A	4/4/2023	4/4/2023	3	36
Stage 3 - (6,3,3,3,6,3,3,3,3,3)							
11,796.00	11,981.00	Upper Blinebry	A	4/3/2023	4/4/2023	3	42
Stage 2 - (6,3,6,3,6,3,3,6,3,3)							
12,001.00	12,186.00	Upper Blinebry	A	4/3/2023	4/3/2023	3	42
Stage 1 - (6,3,6,3,6,3,3,6,3,3)							
12,215.00	12,221.00	Upper Blinebry	TA	2/28/2023		3	36
TOE PREP PERFS, 2-28-23 TCP ON 2-7/8" WORKSTRING, TOP TO BTM 12,215' - 12,221'.							

Tubing

Date Ran: 5/4/2023

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Tubing	123	2.8750	6.50	L80	3,964.71	26.50	3,991.21
Band 3 per jt. First JNT above pump every 3'. Jts ,3/8" cap ran in well.							
ESP Pump	1	4.0000			0.60	3,991.21	3,991.81
Discharge Pump							
ESP Pump	1	4.0000			23.50	3,991.81	4,015.31
E3000, 96 Stages							
ESP Pump	1	4.0000			23.50	4,015.31	4,038.81
E3000, 96 Stages							
ESP Pump	1	4.0000			13.00	4,038.81	4,051.81
G42, 41 Stages							
ESP Intake	1	4.0000			7.00	4,051.81	4,058.81
Double gas sep/intakes: MODEL 400							
ESP Seal	2	4.0000			12.20	4,058.81	4,071.01
Double seals							

ESP Motor	1	4.5000			35.20	4,071.01	4,106.21
NEW, 286 HP . 450 MODEL							
ESP Sensor	1	4.0000			2.70	4,106.21	4,108.91
NEW, Zenith E7							
Tubing Sub	1	2.3750			2.00	4,108.91	4,110.91
Band cap string to sub							

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District IV
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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

ACKNOWLEDGMENTS

Action 241705

ACKNOWLEDGMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 241705
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 241705

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 241705
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	8/3/2023