

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

Form C-104
Revised August 1, 2011

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

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 8/2022	
⁴ API Number 30 - 015-49528	⁵ Pool Name Artesia; Glorieta - Yeso (O)	⁶ Pool Code 96830	
⁷ Property Code 332861	⁸ Property Name Santana State Com 20CD	⁹ Well Number 004H	

II. 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
M	21	17S	28E		1200	South	200	West	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	20	17S	28E		1233	South	27	West	Eddy

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
S	P	8/12/2022			

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	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
5/31/2022	8/12/2022	4097'V/9900'M	4099'V/9850'M	4781'-9828'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8"	1228'	580		
8-3/4"	7"	4587'	1470		
8-3/4"	5-1/2"	9899'	1470		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
9/10/2022	9/11/2022	10/26/2022	24	250	85
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
NA	275	2803	272	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:  Printed name: David Cain Title: Regulatory Analyst E-mail Address: David.cain@longfellowenergy.com Date: 10/27/2022	OIL CONSERVATION DIVISION Approved by: PATRICIA MARTINEZ Title: PETROLEUM SPECIALIST Approval Date: 11/10/2022
Phone: (972) 590-9900	

Submit To Appropriate District Office Two Copies 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 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. 30-015-49528 2. Type of Lease <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN 3. State Oil & Gas Lease No.
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> 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. Lease Name or Unit Agreement Name Santana State Com 20 CD 6. Well Number: 004H
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------

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 Artesia; Glorieta-Yeso (O)

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	21	17 S	28 E		1200	South	200	West	Eddy
BH:	L	20	17 S	28 E		1233	South	27	West	Eddy

13. Date Spudded 5/31/2022	14. Date T.D. Reached 6/10/2022	15. Date Rig Released 6/11/2022	16. Date Completed (Ready to Produce) 8/12/2022	17. Elevations (DF and RKB, RT, GR, etc.) 3613
18. Total Measured Depth of Well 9900'		19. Plug Back Measured Depth 9850'	20. Was Directional Survey Made? Yes	21. Type Electric and Other Logs Run Mudlog

22. Producing Interval(s), of this completion - Top, Bottom, Name
4781'-9827' 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#	1228'	12-1/4"	580 sxs cmt to surf	0
7"	32#	4587'	8-3/4"	1470 sxs cmt to surf	0
5-1/2"	20#	9899'	8-3/4"	1470 sxs cmt to surf	0

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					3-1/2"	1492'	
					2-7/8"	4369'	

26. Perforation record (interval, size, and number) 9827-9653, 9624-9458, 9421-9247, 9218-9044, 9011-8841, 8812-8638, 8607-8435, 8406-8232, 8201-8029, 8000-7826, 7796-7624, 7594-7423, 7391-7217, 7188-7012, 6985-6811, 6782-6607, 6579-6405, 6376-6202, 6173-6003, 5970-5796, 5767-5593, 5560-5390, 5362-5187, 5158-4984, 4955-4781.	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>4781'-9827'</td> <td>Frac is 25 stages w/ 373683bbls slickwater and 6037500# sand</td> </tr> </table>	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	4781'-9827'	Frac is 25 stages w/ 373683bbls slickwater and 6037500# sand
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED				
4781'-9827'	Frac is 25 stages w/ 373683bbls slickwater and 6037500# sand				

28. PRODUCTION

Date First Production 8/31/2022		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Electric Submersible Pump			Well Status (<i>Prod. or Shut-in</i>) Prod		
Date of Test 10/26/2022	Hours Tested 24	Choke Size NA	Prod'n For Test Period	Oil - Bbl 275	Gas - MCF 272	Water - Bbl. 2803	Gas - Oil Ratio
Flow Tubing Press. 250	Casing Pressure 85	Calculated 24-Hour Rate	Oil - Bbl. 275	Gas - MCF 272	Water - Bbl. 2803	Oil Gravity - API - (<i>Corr.</i>)	

29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) 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 David Cain	Title Regulatory Analyst	Date 10/27/2022
E-mail Address david.cain@longfellowenergy.com			

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

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 1226'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 1665'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 2009'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 3421'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 3456'	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry 4040'	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	

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

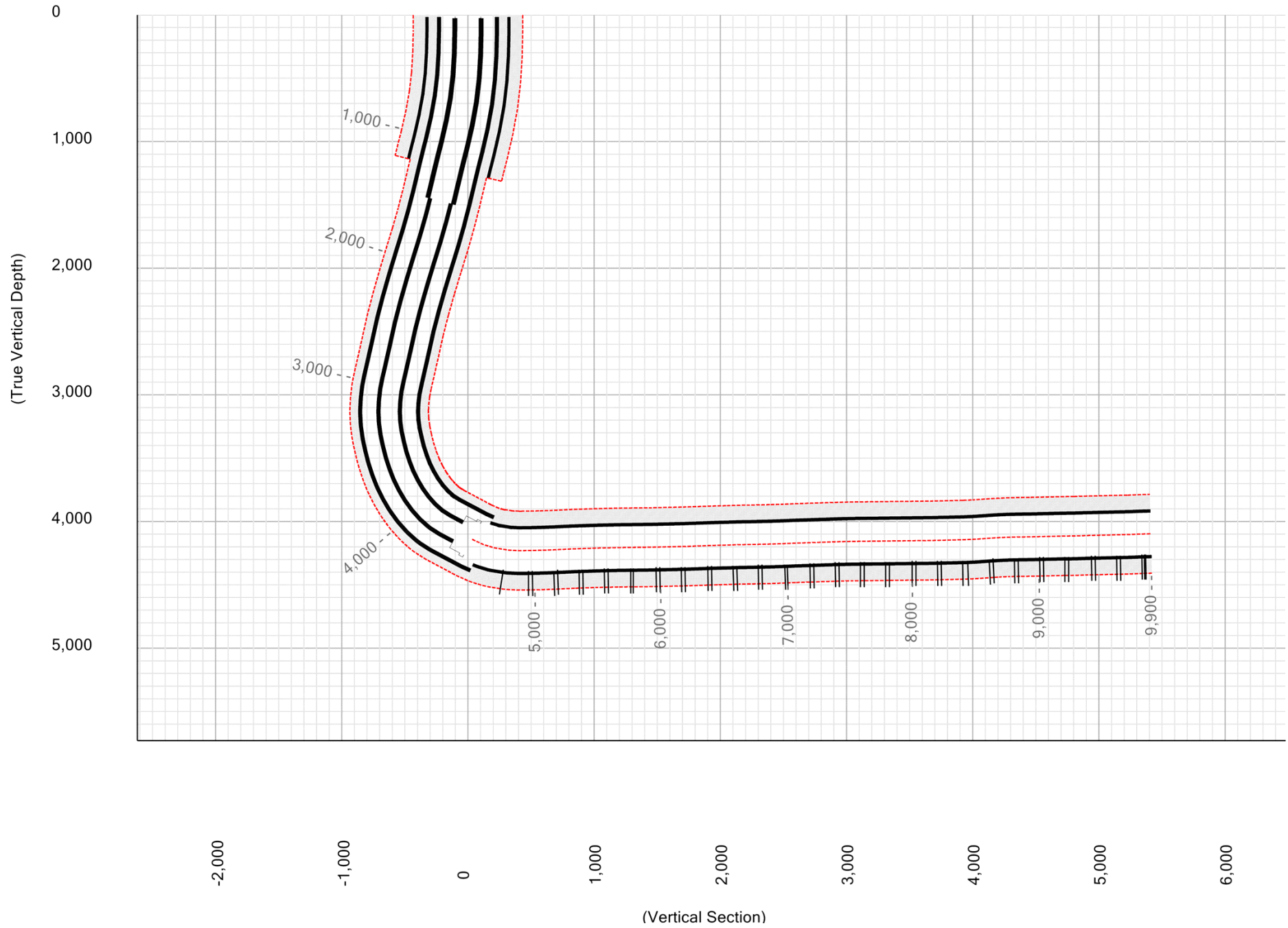
Include data on rate of water inflow and elevation to which water rose in hole.

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

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

Santana State Com 20CD # 4H, 8/29/2022



Santana State Com 20CD # 4H API # 30-015-49528			
1200 FSL & 200 FWL	GL Elev: 3,613.00	KOP:	3,294
Section 21, Township 17S, Range 28E		EOC:	4,880
County, State: Eddy, NM		Fill Depth:	
Aux ID:		PBTD:	9,850.00
'KB' correction: 17; All Depths Corr To: KB		TD:	9,899.00
		BOP:	7 1/16" 10M

Hole Size

Diameter	Top At	Btm At	Date Drilled
12.2500	0.00	1,228.00	6/1/2022
8.7500	1,228.00	9,900.00	6/11/2022

Surface Casing

Date Ran: 6/1/2022

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	28	9.6250	36.00	J55	1,211.00	17.00	1,228.00

Production Casing

Date Ran: 6/11/2022

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	83	7.0000	32.00	L80	3,265.66	17.00	3,282.66
Marker Jt	1	7.0000	32.00	L80	19.36	3,282.66	3,302.02
Casing	32	7.0000	32.00	L80	1,282.97	3,302.02	4,584.99
Crossover	1	5.5000	20.00	L80	2.10	4,584.99	4,587.09
Casing	12	5.5000	20.00	L80	537.53	4,587.09	5,124.62
Float Insert	1	5.5000	20.00	L80	1.87	5,124.62	5,126.49
Casing	52	5.5000	20.00	L80	2,320.44	5,126.49	7,446.93
Marker Jt	1	5.5000	20.00	L80	22.06	7,446.93	7,468.99
Casing	49	5.5000	20.00	L80	2,183.08	7,468.99	9,652.07
Marker Jt	1	5.5000	20.00	L80	22.05	9,652.07	9,674.12
Casing	4	5.5000	20.00	L80	176.78	9,674.12	9,850.90
Float Collar	1	5.5000	20.00	L80	1.67	9,850.90	9,852.57
Casing	1	5.5000	20.00	L80	44.83	9,852.57	9,897.40
Float Shoe	1	5.5000	20.00	L80	1.60	9,897.40	9,899.00

Cement

Top At	Btm At	I D	O D	TOC Per	# - Type	# Sx	Class	Wt.
0.00	1,228.00	9.625	12.250	Circ	1 - Lead	430	C	13.50
					2 - Tail	150	C	14.80

Circ 67 bbls to pit

4,585.00	9,900.00	5.500	8.750	Circ				
0.00	4,585.00	7.000	8.750	Circ	1 - Lead	360	C 25/75	12.20
					2 - Tail	1110	C	14.80

Circ 45 bbls of cmt to pit

Zone and Perfs

Comments / Completion Summary

Stg	Top	Btm	Proppant	AIR	AIP	MIR	MIP	ISIP	Acid	Vol
1	9653	9827	241500	118	6794	138	7022	1574	3000	15629
2	9458	9624	241500	109	6881	118	7012	1424	4500	15276

3	9247	9421	241500	105	6828	116	7041	1638	3000	15765
4	9044	9218	241500	113	6904	122	7295	1462	3000	15091
5	8841	9011	241500	106	6730	116	7180	1787	3000	18573
6	8638	8812	241500	114	6966	120	7216	1661	3000	14896
7	8435	8607	241500	100	6941	114	7172	1888	3000	15207
8	8232	8406	241500	123	6365	128	7396	1838	3000	15709
9	8029	8201	241500	99	6824	106	7243	1714	3000	13209
10	7826	8000	241500	126	6855	132	7095	1575	3000	15636
11	7624	7796	241500	120	6898	126	7158	1643	3000	13011
12	7423	7594	241500	118	6841	135	7250	1499	3000	15716
13	7217	7391	241500	102	6764	110	7222	1617	3000	13132
14	7012	7188	241500	119	6686	126	7268	1812	3000	15425
15	6811	6985	241500	136	6655	138	7105	1840	3000	14909
16	6607	6782	241500	135	6741	136	7108	1793	3000	14931
17	6405	6579	241500	133	6886	136	7171	2091	3000	14043
18	6202	6376	241500	134	6241	137	6499	1909	3000	14405
19	6003	6173	241500	131	6255	133	6695	2193	3000	14440
20	5796	5970	241500	133	5851	137	6143	2167	3000	14903
21	5593	5767	241500	136	5447	140	5779	2118	3000	14315
22	5390	5560	241500	133	5804	148	6690	2057	3000	14224
23	5187	5362	241500	128	6102	134	6996	2349	3000	15502
24	4984	5158	241500	135	6465	136	6849	2270	3000	14587
25	4781	4955	241500	133	5725	136	6079	2230	3900	15149

Perforations

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
4,781.00	4,955.00	Upper Blinebry	A	8/1/2022		4	28
STAGE #25 Plug and Perf DYNA .42							
4,984.00	5,158.00	Upper Blinebry	A	7/31/2022		4	28
STAGE #24 Plug and Perf DYNA .42							
5,187.00	5,361.00	Upper Blinebry	A	7/31/2022		4	28
STAGE #23 Plug and Perf CHANGED BACK TO THE DYNA CHARGE .42							
5,390.00	5,560.00	Upper Blinebry	A	7/31/2022		4	28
STAGE #22 Plug and Perf GEOO CHARGE .45							
5,593.00	5,767.00	Upper Blinebry	A	7/30/2022		4	28
STAGE #21 Plug and Perf							
5,796.00	5,970.00	Upper Blinebry	A	7/30/2022		4	28
STAGE #20 Plug and Perf							
6,003.00	6,173.00	Upper Blinebry	A	7/30/2022		4	28
STAGE #19 Plug and Perf							
6,202.00	6,376.00	Upper Blinebry	A	7/29/2022		4	28
STAGE #18 Plug and Perf							
6,405.00	6,579.00	Upper Blinebry	A	7/29/2022		4	28
STAGE #17 Plug and Perf							
6,607.00	6,782.00	Upper Blinebry	A	7/29/2022		4	28
STAGE #16 Plug and Perf							
6,811.00	6,985.00	Upper Paddock	A	7/28/2022		4	28
STAGE #15 Plug and Perf							
7,012.00	7,188.00	Upper Paddock	A	7/28/2022		6	36
STAGE #14 Plug and Perf 7 CLUSTER, 3.125" GUN; 3 - 4 SPF X 4 - 6 SPF, 36 SHOTS. GEOO .45							
7,217.00	7,391.00	Upper Blinebry	A	7/28/2022		4	28
STAGE #13 Plug and Perf							

Perforations

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
7,423.00	7,594.00	Upper Blinebry	A	7/27/2022		4	28
<i>STAGE #12 Plug and Perf</i>							
7,624.00	7,796.00	Upper Blinebry	A	7/27/2022		4	28
<i>STAGE #11 Plug and Perf</i>							
7,826.00	8,000.00	Upper Blinebry	A	7/21/2022		4	28
<i>STAGE #10 Plug and Perf</i>							
8,029.00	8,201.00	Upper Blinebry	A	7/26/2022		4	28
<i>STAGE #9 Plug and Perf</i>							
8,232.00	8,406.00	Upper Blinebry	A	7/26/2022		4	28
<i>STAGE #8 Plug and Perf</i>							
8,435.00	8,607.00	Upper Blinebry	A	7/21/2022		4	28
<i>STAGE #7 Plug and Perf</i>							
8,638.00	8,812.00	Upper Blinebry	A	7/21/2022		4	28
<i>STAGE #6 Plug and Perf</i>							
8,841.00	9,011.00	Upper Blinebry	A	7/23/2022		4	24
<i>STAGE #5 Plug and Perf</i>							
9,044.00	9,218.00	Upper Blinebry	A	7/23/2022		4	28
<i>STAGE #4 Plug and Perf</i>							
9,247.00	9,421.00	Upper Blinebry	A	7/23/2022		4	28
<i>STAGE #3 Plug and Perf</i>							
9,450.00	9,624.00	Upper Blinebry	A	7/21/2022		4	28
<i>STAGE #2 Plug and Perf</i>							
9,653.00	9,827.00	Upper Blinebry	A	7/21/2022		4	28
<i>STAGE #1 Plug and Perf</i>							
9,842.00	9,848.00	Upper Blinebry	TA	7/10/2022		6	36
TCP							

ESP Motor	1	4.5000			35.22	4,461.08	4,496.30
<i>Used 286 HP from Hendrix. 450SP</i>							
ESP Sensor	1	4.0000			2.00	4,496.30	4,498.30
<i>Zenith E7</i>							

Tubing

Date Ran: 8/14/2022

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Tubing Sub	1	2.8750	7.90	L80	10.00	17.00	27.00
Crossover	1				0.50	27.00	27.50
Tubing	45	3.5000	10.20	L80	1,464.45	27.50	1,491.95
<i>Band 3 per jt.</i>							
Crossover	1				0.50	1,491.95	1,492.45
Tubing	88	2.8750	7.90	L80	2,876.63	1,492.45	4,369.08
<i>50 collar clamps added above the pump/discharge.</i>							
ESP Pump	1	4.0000			0.50	4,369.08	4,369.58
<i>Discharge Pump</i>							
ESP Pump	1	4.0000			23.50	4,369.58	4,393.08
<i>E3000, 96 Stages</i>							
ESP Pump	1	4.0000			23.50	4,393.08	4,416.58
<i>E3000, 96 Stages</i>							
ESP Pump	1	4.0000			23.50	4,416.58	4,440.08
<i>G42, 78 Stages</i>							
ESP Intake	2	4.0000			8.80	4,440.08	4,448.88
<i>Double gas sep/intakes: 400GM2THVV</i>							
ESP Seal	2	4.0000			12.20	4,448.88	4,461.08
<i>Double seals</i>							

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

ACKNOWLEDGMENTS

Action 154483

ACKNOWLEDGMENTS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 154483
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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 154483

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 154483
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	11/10/2022