

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 and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Longfellow Energy, LP 8115 Preston Rd., Suite 800 Dallas TX 75225 (972) 590-9900		² OGRID Number 372210
		³ API Number 30-015- 50193
⁴ Property Code	⁵ Property Name Ozzy State 18 SWD	⁶ Well No. 001

⁷ Surface Location

UL - Lot J	Section 18	Township 17 S	Range 29 E	Lot Idn	Feet from 2280	N/S Line S	Feet From 1972	E/W Line E	County Eddy
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⁸ Proposed Bottom Hole Location

UL - Lot J	Section 18	Township 17 S	Range 29 E	Lot Idn	Feet from 2280	N/S Line S	Feet From 1972	E/W Line E	County Eddy
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⁹ Pool Information

Pool Name SWD; Canyon	Pool Code 96184
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¹¹ Work Type N	¹² Well Type S	¹³ Cable/Rotary R	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3654'
¹⁶ Multiple N	¹⁷ Proposed Depth TVD: 9700' MD: 9700'	¹⁸ Formation Canyon	¹⁹ Contractor to be determined	²⁰ Spud Date 1-2-22
Depth to Ground water 80' in RA 12307 POD 1		Distance from nearest fresh water well 1.69 mi. southeast of RA 12307 POD 1		Distance to nearest surface water ≈250' NE from drainage

☒ A closed-loop system will be used in lieu of a lined pit.²¹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17.5"	13.375"	48" H-40	0' - 360'	401	GL
Intermediate	12.25"	9.625"	36# J-55	GL - 2590'	1015	GL
Production	8.75"	7"	26# L-80	GL - 9700'	1210	GL

Casing/Cement Program: Additional Comments

Drill surface hole with freshwater based mud; intermediate hole with 10# brine; and production hole with 9.4# brine/salt gel.

²² Proposed Blowout Prevention Program

Type	Working Pressure (psi)	Test Pressure (psi)	Manufacturer
double hydraulic/blinds, pipe	3000-5000	3000	tbd

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature:

Printed name: Brian Wood

Title: Consultant

E-mail Address: brian@permitswest.com

Date: 11-19-22

Phone: 505 466-8120

OIL CONSERVATION DIVISION

Approved By:

Title: Petroleum Specialist

Approved Date: 11/29/2022 Expiration Date:

Conditions of Approval Attached

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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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015- 50193	² Pool Code 96184	³ Pool Name SWD; CANYON
⁴ Property Code 333573	⁵ Property Name OZZY STATE 18 SWD	
⁷ OGRID No. 372210	⁸ Operator Name LONGFELLOW ENERGY, LP	⁶ Well Number 1
		⁹ Elevation 3654.0

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
J	18	17 S	29 E		2280	SOUTH	1972	EAST	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

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
		SWD-2389	

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

<p>N89°53'22"E 2200.04 FT</p> <p>NW CORNER SEC. 18 LAT. = 32.8418304°N LONG. = 104.1213621°W</p> <p>NMSP EAST (FT) N = 670056.28 E = 606438.67</p> <p>L1 L2</p> <p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES (GRID). ELEVATION VALUES ARE NAVD88.</p> <p>W/4 CORNER SEC. 18 SCALED</p> <p>OZZY STATE 18-1 SWD ELEV. = 3654.0' LAT. = 32.8335989°N (NAD83) LONG. = 104.1120217°W NMSP EAST (FT) N = 667067.40 E = 609313.60</p> <p>L3 L4</p> <p>SW CORNER SEC. 18 LAT. = 32.8273415°N LONG. = 104.1214155°W NMSP EAST (FT) N = 664784.94 E = 606432.86</p> <p>S89°53'04"W 2208.04 FT</p>			<p>N89°51'10"E 2640.43 FT</p> <p>N/4 CORNER SEC. 18 LAT. = 32.8418297°N LONG. = 104.1141987°W</p> <p>NMSP EAST (FT) N = 670060.53 E = 608638.71</p> <p>E/4 CORNER SEC. 18 LAT. = 32.8345730°N LONG. = 104.1056028°W NMSP EAST (FT) N = 667426.00 E = 611284.41</p> <p>1972'</p> <p>SURFACE LOCATION</p> <p>2280'</p> <p>N89°52'40"W 2648.81 FT</p>			<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Brian Wood</i> 11-19-22</p> <p>Signature Date</p> <p>BRIAN WOOD</p> <p>Printed Name</p> <p>brian@permitswest.com</p> <p>E-mail Address</p> <p>505 466-8120</p>		
<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>NOVEMBER 19, 2019</p> <p>Date of Survey</p> <p><i>William F. Jaramila</i></p> <p>Signature and Seal of Professional Surveyor</p> <p>Certificate Number: WILLIAM F. JARAMILA, PLS 12797 SURVEY NO. 7753</p>								

LONGFELLOW ENERGY, LP
OZZY STATE 18 SWD 1
2280' FSL & 1972' FEL
SEC. 18, T. 17 S., R. 29 E., EDDY COUNTY, NM

SWD-2389

Formation tops are:

Quaternary = 0'
Rustler = 150'
Salado = 375'
Base Salt = 690'
Yates = 816'
Seven Rivers = 1073'
Queen = 1650'
Penrose = 1907'
Grayburg = 2071'
San Andres = 2382'
Glorieta = 3844'
Yeso = 3903'
Tubb = 5337'
Abo = 5401'
Wolfcamp = 7080'
Cisco = 8740'
Canyon 9513'
Proposed Disposal Zone = 9520' - 9700'
TD: 9700'
Strawn = 9848'

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CONDITIONS

Action 160294

CONDITIONS

Operator: LONGFELLOW ENERGY, LP 8115 Preston Road Dallas, TX 75225	OGRID: 372210
	Action Number: 160294
	Action Type: [C-101] Drilling Non-Federal/Indian (APD)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify OCD 24 hours prior to casing & cement	11/29/2022
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud	11/29/2022
kpickford	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water	11/29/2022
kpickford	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement	11/29/2022
kpickford	SURFACE, INTERMEDIATE & PRODUCTION CASING - Cement must circulate to surface -- LinerCement must tie back into production casing	11/29/2022
kpickford	Will require a deviation survey with completion repor	11/29/2022
kpickford	Injection/Disposal Must notify Hobbs OCD office prior to conducting MIT (575) 393-6161 ext. 114 or 102 Must conduct & pass MIT prior to any injection	11/29/2022
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	11/29/2022
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing	11/29/2022
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	11/29/2022