<u>District I</u> 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-101 August 1, 2011

Permit 322127

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

AFFLICATION FOR FERIVIT TO DRILL, RE-ENTER, DEEFEN, FLOGBACK, OR ADD A ZONE									
Operator Name and Address     LONGFELLOW ENERGY, LP		2. OGRID Number 372210							
8115 Preston Road Dallas, TX 75225		3. API Number 30-015-49774							
4. Property Code	5. Property Name	6. Well No.							
333089	Bonzo State Com 1924 CDX	001H							
7. Surface Location									

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	20	17S	28E		1874	S	743	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot		Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	J	24	17S	27E	J	2272	S	2607	E	Eddy

#### 9. Pool Information

U. I COI III OTI III CIII	
RED LAKE; GLORIETA-YESO, NORTHEAST	96836

Additional Well Information

11. Work Type	Work Type 12. Well Type		14. Lease Type	15. Ground Level Elevation		
New Well	OIL		State	3599		
16. Multiple	6. Multiple 17. Proposed Depth		19. Contractor	20. Spud Date		
N	N 11933			8/15/2022		
Depth to Ground water		Distance from nearest fresh water v	well	Distance to nearest surface water		

#### ■ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size Casing Weight/ft		Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	1250	575	0
Prod	8.75	7	32	3950	988	1050
Prod	8.75	5.5	20	11933	988	1050

#### Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer		
Double Ram	3000	3000	TBD		
Blind	3000	3000	TBD		

knowledge and	belief. I have complied with 19.15.14.9 (A)	s true and complete to the best of my  NMAC 🛛 and/or 19.15.14.9 (B) NMAC		OIL CONSERVA	ATION DIVISION	
Printed Name:	Electronically filed by Ryan Culp	epper	Approved By:	Katherine Pickford		
Title:			Title:	Geoscientist		
Email Address:	Email Address: ryan.culpepper@longfellowenergy.com			7/28/2022 Expiration Date: 7/28/2024		
Date:	7/26/2022	Phone: 972-590-9933	Conditions of App	roval Attached	•	

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

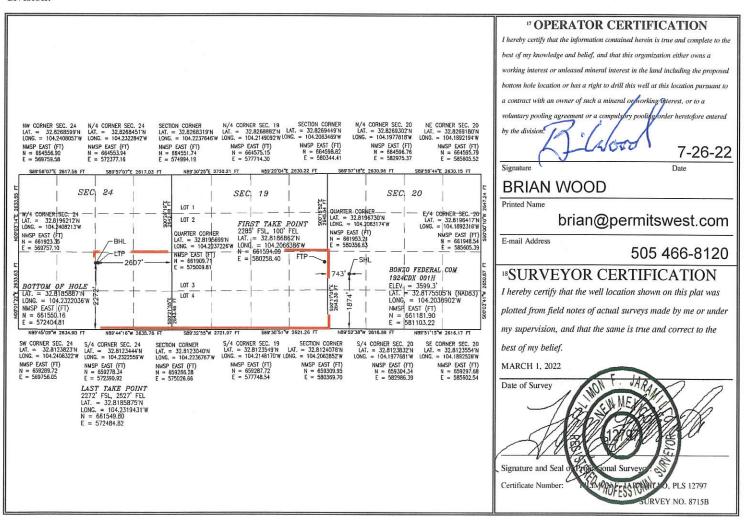
#### WELL LOCATION AND ACREAGE DEDICATION PLAT

30-015- 49774	<sup>2</sup> Pool Code 96836	T OUT THINK				
<sup>4</sup> Property Code 333089		Property Name ATE COM 1924CDX  6 Well Numb 001H				
<sup>7</sup> OGRID No.  372210		perator Name LOW ENERGY, LP	<sup>9</sup> Elevation 3599.3			

<sup>10</sup> Surface Location

	Surface Eccution										
UL or lot no. L	Section 20	Townshi 17 S		Lot Idn	Feet from the 1874	North/South line SOUTH	Feet from the 743	East/West line WEST	County EDDY		
	" Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township Range Lot		Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
J	24	17 S	27 E		2272	SOUTH	2607	EAST	<b>EDDY</b>		
12 Dedicated Acre	s <sup>13</sup> Joint	or Infill	14 Consolidation	1 Code	•		15 Order No.				
486.05			С								

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.



Intent		S As Drill	led											
One	rator Nan					Dro	norty N	2201						Well Number
Ope	rator Ivan	ne:				PIU	perty N	ame.						Well Number
LON	IGFELLO	W ENERG	Y, LP				BOI	NZO I	FEDE	RAL C	OM:	19240	DX	001H
	Off Point (	КОР)												
UL <b>L</b>	Section <b>20</b>	Township <b>17S</b>	Range 28E	Lot	Feet <b>1874</b>		From N SOUT	i/S 「 <b>H</b>	Feet <b>743</b>		From WE	n E/W <b>ST</b>	County <b>EDDY</b>	
Latitu		75505			Longitu		04.203	1890	2				NAD 83	
First T	Take Point	t (FTP)												
UL 	Section 19	Township 17S	Range 28E	Lot	Feet <b>2285</b>		From N SOUT	/S <b>'H</b>	Feet <b>100</b>		From	i E/W	County <b>EDDY</b>	
Latitu	ide <b>32.818</b>	6862			Longitu		4.2066	5386	j				NAD 83	
Last T	ake Point	(LTP)												
UL <b>J</b>	Section <b>24</b>	Township 17S	Range 27E	Lot	Feet <b>2272</b>		m N/S <b>DUTH</b>	Feet <b>252</b>		From E EAST		Count EDD'		
Latitu		185875			Longitue	104.2319431 NAD					83			
Is this	well the	defining we	ell for the	Horizc	ontal Spa	cing (	Unit?		NO	]				
Is this	well an ir	ıfill well?	[	YES	3									
	I is yes pl ng Unit.	lease prov	ide API if	availa	ıble, Ope	erato	r Name	and	well	numbe	er fo	r Defir	ning well	for Horizontal
API#														
Oper	rator Nam	ne:				Prop	perty Na	ame:			-			Well Number
LOI	NGFELI	LOW ENI	ERGY, I	_P		ВО	NZO	FED	ERA	L CO	M 1	924C	CDX	003H

KZ 06/29/2018

Form APD Conditions

Permit 322127

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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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** 

#### PERMIT CONDITIONS OF APPROVAL

Operator N	Name and Address:	API Number:			
	LONGFELLOW ENERGY, LP [372210]		30-015-49774		
	8115 Preston Road	Well:			
	Dallas, TX 75225		Bonzo State Com 1924 CDX #001H		
OCD	Condition				

OCD	Condition
Reviewer	
kpickford	Notify OCD 24 hours prior to casing & cement
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
	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
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing
	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

Company: Longfellow Energy Project: Eddy Co., NM (Nad-83) Site: BONZO FEDERAL COM 1924CDX LONGFELLOW ENERGY, LP Well: 001H Wellbore: Wellbore #1 Rig: AKITA 524 Design: PLAN #2 WELL DETAILS: 001H RKB = 17' @ 3616.30usft (AKITA 524) **Easting** 32.817550 581103.22 PLAT BHL/ TD #1H: 2272' FSL & 2607' FEL 3438.00 3539.00 PLAT FTP/ LP #1H: 2285' FSL & 100' FEL 3439.03 PLAT LTP #1H: 2272' FSL & 2527' FEL PLAT SHL #1H: 1874' FSL & 743' FWL Start Build 2.00

Start DLS 6.00

3200

Start 200.00 hold at 3570.90 MD

LP at 4078.26 MD

PLAT FTP/ LP #1H: 2285' FSL & 100' FEL

Start Build 10.00

WELLBENDERS DIRECTIONAL SERVICES LLC

PROJECT DETAILS: Eddy Co., NM (Nad-83)

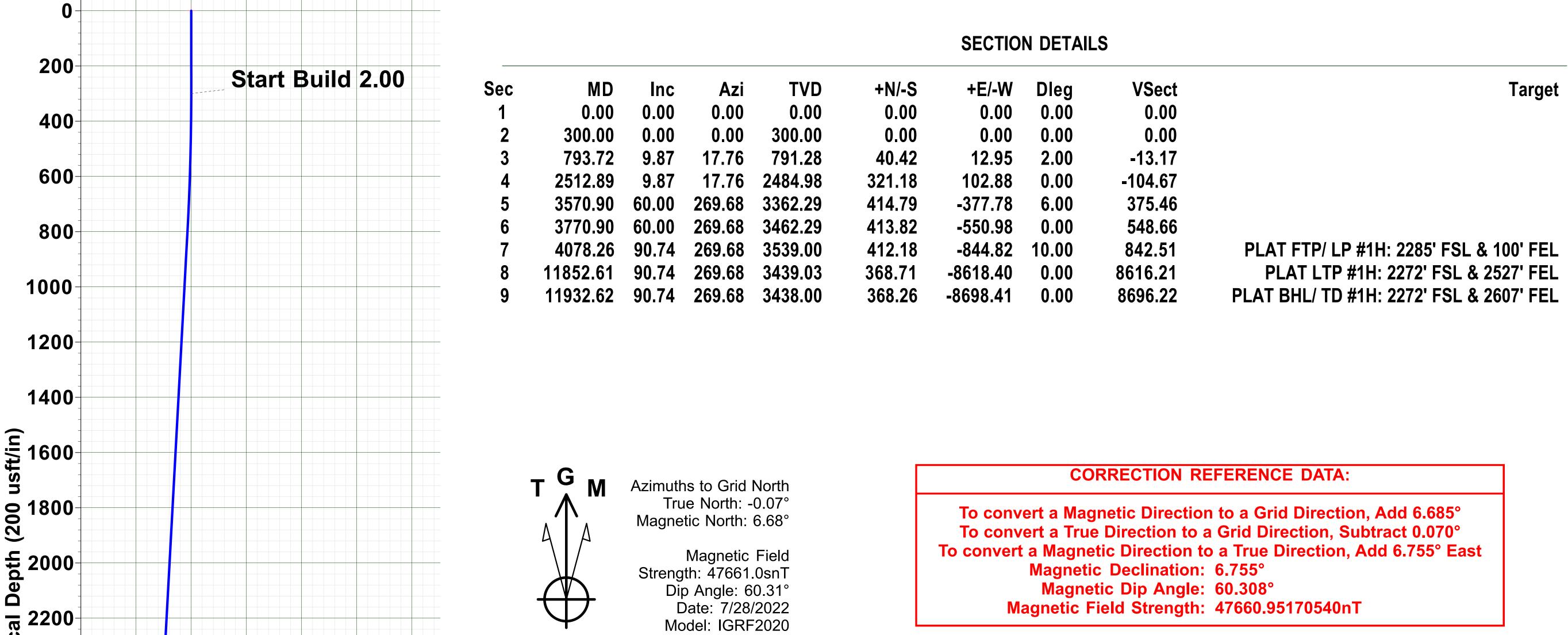
Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: New Mexico Eastern Zone System Datum: Mean Sea Level

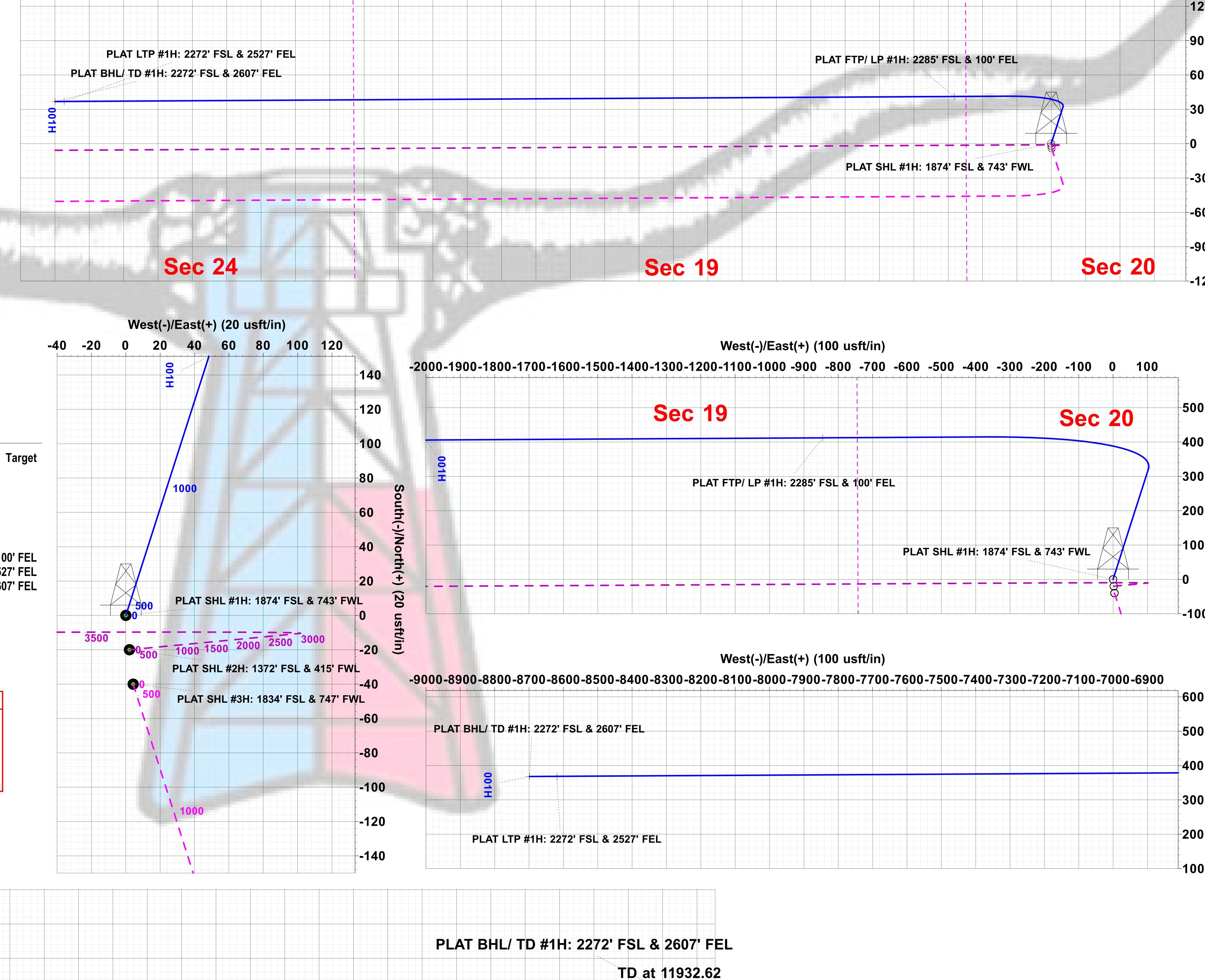
**DESIGN TARGET DETAILS** 

Longitude -104.203890

15:56, July 07 2022

Latitude Longitude -104.232204 661550.16 572404.81 32.818589 -104.206639 32.818686 32.818588 -104.231943 572484.82 -104.203890





PLAT LTP #1H: 2272' FSL & 2527' FEL

West(-)/East(+) (300 usft/in)

-9000-8700-8400-8100-7800-7500-7200-6900-6600-6300-6000-5700-5400-5100-4800-4500-3900-3600-3300-3000-2700-2400-2100-1800-1500-1200 -900 -600 -300

Plan: PLAN #2 (001H/Wellbore #1) AKITA 524

All Plan Details, boundary lines and offset well

location/ survey data is

provided by customer and

subject to customer

Vertical Section at 269.68° (200 usft/in)

200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 8600 8800 5000 5200 5400 6600 6800 7000 7200 7400 7600 7800 8000 8200 8400 8600 8800

Created By: Matthew May Date: 15:56, July 07 2022





Database: Company: Project:

WBDS SQL 2 Longfellow Energy Eddy Co., NM (Nad-83)

**BONZO FEDERAL COM 1924CDX** 

001H

Well: Wellbore: Wellbore #1 Design: PLAN #2

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well 001H

RKB = 17' @ 3616.30usft (AKITA 524) RKB = 17' @ 3616.30usft (AKITA 524)

Minimum Curvature

**Project** 

Site:

Eddy Co., NM (Nad-83)

Map System: Geo Datum:

US State Plane 1983 North American Datum 1983 System Datum:

Mean Sea Level

Map Zone:

New Mexico Eastern Zone

Site Site Position: **BONZO FEDERAL COM 1924CDX** 

Мар **Position Uncertainty:** 

Northing: Easting: 0.00 usft Slot Radius: 660,705.77 usft 580,777.68 usft

Latitude: Longitude: 13.200 in **Grid Convergence:** 

32.816243 -104.204952

0.070°

Well

From:

001H

**Well Position** +N/-S +E/-W 476.13 usft 325.54 usft Northing: Easting:

661,181.90 usft 581,103.22 usft

Latitude: Longitude:

32.817551 -104.203890

**Position Uncertainty** 

0.00 usft

Wellhead Elevation:

**Ground Level:** 

3,599.30 usft

Wellbore

Wellbore #1

Declination **Magnetics Model Name** Sample Date **Dip Angle** Field Strength (°) (°) (nT) 60.308 47.660.95170540 IGRF2020 7/28/2022 6.755

Design

PLAN #2

**Audit Notes:** 

Version:

Depth From (TVD)

**PLAN** 

Tie On Depth:

0.00

Vertical Section:

(usft)

0.00

Phase:

+N/-S (usft) 0.00

+E/-W (usft) 0.00

Direction (°) 269.68

**Plan Survey Tool Program** 

**Depth From** 

(usft)

**Depth To** (usft)

Survey (Wellbore)

Date 7/7/2022

**Tool Name** 

Remarks

0.00

11,932.62 PLAN #2 (Wellbore #1)

MWD+IGRF

OWSG MWD + IGRF or WN

Plan Sections	•									
Measured Depth I (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.000	
793.72	9.87	17.76	791.28	40.42	12.95	2.00	2.00	0.00	17.761	
2,512.89	9.87	17.76	2,484.98	321.18	102.88	0.00	0.00	0.00	0.000	
3,570.90	60.00	269.68	3,362.29	414.79	-377.78	6.00	4.74	-10.22	-113.065	
3,770.90	60.00	269.68	3,462.29	413.82	-550.98	0.00	0.00	0.00	0.000	
4,078.26	90.74	269.68	3,539.00	412.18	-844.82	10.00	10.00	0.00	0.000 F	PLAT FTP/ LP #1H:
11,852.61	90.74	269.68	3,439.03	368.71	-8,618.40	0.00	0.00	0.00	0.000 F	PLAT LTP #1H: 227
11,932.62	90.74	269.68	3,438.00	368.26	-8,698.41	0.00	0.00	0.00	0.000 F	PLAT BHL/ TD #1H





Database: Company: Project:

Site:

WBDS\_SQL\_2 Longfellow Energy Eddy Co., NM (Nad-83)

BONZO FEDERAL COM 1924CDX

 Well:
 001H

 Wellbore:
 Wellbore #1

 Design:
 PLAN #2

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

**Survey Calculation Method:** 

Well 001H

RKB = 17' @ 3616.30usft (AKITA 524)

RKB = 17' @ 3616.30usft (AKITA 524)

Grid

lanned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	2.00	17.76	399.98	1.66	0.53	-0.54	2.00	2.00	0.00
500.00	4.00	17.76	499.84	6.65	2.13	-2.17	2.00	2.00	0.00
600.00	6.00	17.76	599.45	14.95	4.79	-4.87	2.00	2.00	0.00
700.00	8.00	17.76	698.70	26.55	8.50	-8.65	2.00	2.00	0.00
793.72	9.87	17.76	791.28	40.42	12.95	-13.17	2.00	2.00	0.00
800.00	9.87	17.76	797.47	41.44	13.27	-13.51	0.00	0.00	0.00
900.00	9.87	17.76	895.99	57.77	18.51	-18.83	0.00	0.00	0.00
1,000.00	9.87	17.76	994.50	74.10	23.74	-24.15	0.00	0.00	0.00
1,100.00	9.87	17.76	1,093.02	90.44	28.97	-29.47	0.00	0.00	0.00
1,200.00	9.87	17.76	1,191.54	106.77	34.20	-34.79	0.00	0.00	0.00
1,300.00	9.87	17.76	1,290.06	123.10	39.43	-40.12	0.00	0.00	0.00
			•						
1,400.00	9.87	17.76	1,388.58	139.43	44.66	-45.44	0.00	0.00	0.00
1,500.00	9.87	17.76	1,487.10	155.76	49.89	-50.76	0.00	0.00	0.00
1,600.00	9.87	17.76	1,585.62	172.09	55.12	-56.08	0.00	0.00	0.00
1,700.00	9.87	17.76	1,684.13	188.43	60.35	-61.41	0.00	0.00	0.00
1,800.00	9.87	17.76	1,782.65	204.76	65.59	-66.73	0.00	0.00	0.00
1,900.00	9.87	17.76	1.881.17	221.09	70.82	-72.05	0.00	0.00	0.00
2,000.00	9.87	17.76	1,979.69	237.42	76.05	-77.37	0.00	0.00	0.00
2,100.00	9.87	17.76	2,078.21	253.75	81.28	-82.70	0.00	0.00	0.00
2,200.00	9.87	17.76	2,176.73	270.08	86.51	-88.02	0.00	0.00	0.00
2,300.00	9.87	17.76	2,275.25	286.41	91.74	-93.34	0.00	0.00	0.00
2,400.00	9.87	17.76	2,373.76	302.75	96.97	-98.66	0.00	0.00	0.00
2,500.00	9.87	17.76	2,472.28	319.08	102.20	-103.98	0.00	0.00	0.00
2,512.89	9.87	17.76	2,484.98	321.18	102.88	-104.67	0.00	0.00	0.00
2,550.00	9.23	4.88	2,521.58	327.18	104.10	-105.93	6.00	-1.74	-34.70
2,600.00	9.17	346.04	2,570.95	335.04	103.48	-105.35	6.00	-0.11	-37.68
			•						
2,650.00	10.05	328.77	2,620.26	342.64	100.26	-102.17	6.00	1.75	-34.54
2,700.00	11.65	315.21	2,669.37	349.96	94.44	-96.39	6.00	3.20	-27.12
2,750.00	13.72	305.28	2,718.15	356.96	86.04	-88.04	6.00	4.14	-19.87
2,800.00	16.08	298.06	2,766.47	363.64	75.09	-77.12	6.00	4.72	-14.45
2,850.00	18.62	292.70	2,814.20	369.98	61.62	-63.68	6.00	5.08	-10.72
2,900.00	21.28	288.61	2,861.20	375.96	45.65	-47.75	6.00	5.32	-8.17
2,950.00	24.01	285.40	2,907.34	381.56	27.24	-29.37	6.00	5.47	-6.41
3,000.00	26.80	282.82	2,952.50	386.76	6.44	-8.60	6.00	5.58	-5.16
3,050.00	29.63	280.70	2,996.56	391.56	-16.71	14.52	6.00	5.66	-4.25
3,100.00	32.49	278.92	3,039.38	395.94	-42.12	39.91	6.00	5.71	-3.56
3,150.00	35.36	277.40	3,080.87	399.89	-69.74	67.51	6.00	5.75	-3.04
3,200.00	38.26	276.08	3,120.90	403.39	-99.49	97.23	6.00	5.79	-2.64
3,250.00	41.16	274.92	3,159.36	406.44	-131.28	129.01	6.00	5.81	-2.32
3,300.00	44.08	273.88	3,196.15	409.03	-165.04	162.75	6.00	5.83	-2.07
3,350.00	47.01	272.95	3,231.16	411.15	-200.66	198.36	6.00	5.85	-1.86
3,400.00	49.94	272.11	3,264.31	412.79	-238.05	235.74	6.00	5.87	-1.69
3,450.00	52.88	271.33	3,295.49	413.96	-277.11	274.79	6.00	5.88	-1.55
3,500.00	55.82	271.33	3,324.63	414.65	-317.73	315.41	6.00	5.89	-1.43
3,550.00	58.77	269.95	3,351.64	414.85	-359.80	357.47	6.00	5.89	-1.43 -1.34
3,570.90	60.00	269.95	3,362.29	414.65	-359.60	375.46	6.00	5.69	-1.3 <del>4</del> -1.28
3,600.00	60.00	269.68	3,376.84	414.65	-402.98	400.66	0.00	0.00	0.00
3,700.00	60.00	269.68	3,426.84	414.17	-489.58	487.26	0.00	0.00	0.00
	60.00	269.68	3,462.29	413.82	-550.98	548.66	0.00	0.00	0.00
3,770.90 3,800.00	60.00 62.91	269.68	3,476.19	413.68	-576.54	574.22	10.00	10.00	0.00





Database: Company: Project: Site:

WBDS\_SQL\_2 Longfellow Energy Eddy Co., NM (Nad-83) BONZO FEDERAL COM 1924CDX

001H

Well: Wellbore: Wellbore #1 PLAN #2 Design:

**Local Co-ordinate Reference:** 

**TVD Reference:** MD Reference: North Reference:

**Survey Calculation Method:** 

Well 001H

RKB = 17' @ 3616.30usft (AKITA 524)

RKB = 17' @ 3616.30usft (AKITA 524)

<b>-</b>									
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,850.00	67.91	269.68	3,496.99	413.43	-621.99	619.67	10.00	10.00	0.00
3,900.00	72.91	269.68	3,513.75	413.16	-669.08	666.77	10.00	10.00	0.00
3,950.00	77.91	269.68	3,526.34	412.89	-717.46	715.14	10.00	10.00	0.00
4,000.00	82.91	269.68	3,534.67	412.62	-766.74	764.42	10.00	10.00	0.00
4,050.00	87.91	269.68	3,538.67	412.34	-816.56	814.25	10.00	10.00	0.00
4,078.26	90.74	269.68	3,539.00	412.18	-844.82	842.51	10.00	10.00	0.00
4,100.00	90.74	269.68	3,538.72	412.06	-866.56	864.24	0.00	0.00	0.00
4,200.00	90.74	269.68	3,537.43	411.50	-966.55	964.23	0.00	0.00	0.00
4,300.00	90.74	269.68	3,536.15	410.94	-1,066.54	1,064.22	0.00	0.00	0.00
4,400.00	90.74	269.68	3,534.86	410.38	-1,166.53	1,164.22	0.00	0.00	0.00
4,500.00	90.74	269.68	3,533.58	409.82	-1,266.52	1,264.21	0.00	0.00	0.00
4,600.00	90.74	269.68	3,532.29	409.26	-1,366.51	1,364.20	0.00	0.00	0.00
4,700.00	90.74	269.68	3,531.01	408.70	-1,466.50	1,464.19	0.00	0.00	0.00
4,800.00	90.74	269.68	3,529.72	408.14	-1,566.49	1,564.18	0.00	0.00	0.00
4,900.00	90.74	269.68 269.68	3,528.43	407.58	-1,666.48	1,664.18	0.00	0.00	0.00
5,000.00	90.74		3,527.15	407.03	-1,766.47	1,764.17	0.00	0.00	0.00
5,100.00	90.74	269.68	3,525.86	406.47	-1,866.46	1,864.16	0.00	0.00	0.00
5,200.00	90.74	269.68	3,524.58	405.91	-1,966.45	1,964.15	0.00	0.00	0.00
5,300.00	90.74	269.68	3,523.29	405.35	-2,066.44	2,064.14	0.00	0.00	0.00
5,400.00 5,500.00	90.74 90.74	269.68 269.68	3,522.00 3,520.72	404.79 404.23	-2,166.43 -2,266.42	2,164.13 2,264.13	0.00 0.00	0.00 0.00	0.00 0.00
,					•				
5,600.00	90.74	269.68	3,519.43	403.67	-2,366.41	2,364.12	0.00	0.00	0.00
5,700.00	90.74	269.68	3,518.15	403.11	-2,466.40	2,464.11	0.00	0.00	0.00
5,800.00 5,900.00	90.74 90.74	269.68 269.68	3,516.86 3,515.57	402.55 401.99	-2,566.39 -2,666.38	2,564.10 2,664.09	0.00 0.00	0.00 0.00	0.00 0.00
6,000.00	90.74	269.68	3,514.29	401.99	-2,766.37	2,764.08	0.00	0.00	0.00
			· ·		•				
6,100.00	90.74 90.74	269.68 269.68	3,513.00 3,511.72	400.87 400.32	-2,866.36 -2,966.35	2,864.08	0.00 0.00	0.00 0.00	0.00 0.00
6,200.00 6,300.00	90.74	269.68	3,510.43	399.76	-2,966.35	2,964.07 3,064.06	0.00	0.00	0.00
6,400.00	90.74	269.68	3,509.14	399.20	-3,166.33	3,164.05	0.00	0.00	0.00
6,500.00	90.74	269.68	3,507.86	398.64	-3,266.32	3,264.04	0.00	0.00	0.00
6,600.00	90.74	269.68	3,506.57	398.08	-3,366.31	3,364.03	0.00	0.00	0.00
6,700.00	90.74	269.68	3,505.29	397.52	-3,466.30	3,364.03	0.00	0.00	0.00
6,800.00	90.74	269.68	3,504.00	396.96	-3,566.29	3,564.02	0.00	0.00	0.00
6,900.00	90.74	269.68	3,502.72	396.40	-3,666.28	3,664.01	0.00	0.00	0.00
7,000.00	90.74	269.68	3,501.43	395.84	-3,766.27	3,764.00	0.00	0.00	0.00
7,100.00	90.74	269.68	3,500.14	395.28	-3,866.26	3,863.99	0.00	0.00	0.00
7,200.00	90.74	269.68	3,498.86	394.72	-3,966.25	3,963.99	0.00	0.00	0.00
7,300.00	90.74	269.68	3,497.57	394.16	-4,066.24	4,063.98	0.00	0.00	0.00
7,400.00	90.74	269.68	3,496.29	393.61	-4,166.23	4,163.97	0.00	0.00	0.00
7,500.00	90.74	269.68	3,495.00	393.05	-4,266.22	4,263.96	0.00	0.00	0.00
7,600.00	90.74	269.68	3,493.71	392.49	-4,366.21	4,363.95	0.00	0.00	0.00
7,700.00	90.74	269.68	3,492.43	391.93	-4,466.20	4,463.94	0.00	0.00	0.00
7,800.00	90.74	269.68	3,491.14	391.37	-4,566.19	4,563.94	0.00	0.00	0.00
7,900.00	90.74	269.68	3,489.86	390.81	-4,666.18	4,663.93	0.00	0.00	0.00
8,000.00	90.74	269.68	3,488.57	390.25	-4,766.17	4,763.92	0.00	0.00	0.00
8,100.00	90.74	269.68	3,487.28	389.69	-4,866.16	4,863.91	0.00	0.00	0.00
8,200.00	90.74	269.68	3,486.00	389.13	-4,966.15	4,963.90	0.00	0.00	0.00
8,300.00 8.400.00	90.74	269.68	3,484.71	388.57	-5,066.14 5 166 13	5,063.89 5 163 80	0.00	0.00	0.00
8,400.00 8,500.00	90.74 90.74	269.68 269.68	3,483.43 3,482.14	388.01 387.45	-5,166.13 -5,266.12	5,163.89 5,263.88	0.00 0.00	0.00 0.00	0.00 0.00
_									
8,600.00 8,700.00	90.74 90.74	269.68 269.68	3,480.85 3,479.57	386.90 386.34	-5,366.11 -5,466.10	5,363.87 5,463.86	0.00 0.00	0.00 0.00	0.00 0.00
8,800.00	90.74	269.68	3,479.57 3,478.28	385.78	-5,466.10 -5,566.09	5,463.66	0.00	0.00	0.00
0,000.00	30.14	200.00	0,710.20	000.70	0,000.00	0,000.00	0.00	0.00	0.00





Database: WBDS
Company: Longf
Project: Eddy
Site: BONZ

WBDS\_SQL\_2 Longfellow Energy Eddy Co., NM (Nad-83)

BONZO FEDERAL COM 1924CDX

 Well:
 001H

 Wellbore:
 Wellbore #1

 Design:
 PLAN #2

**Local Co-ordinate Reference:** 

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well 001H

RKB = 17' @ 3616.30usft (AKITA 524)

RKB = 17' @ 3616.30usft (AKITA 524)

Grid

esign:	PLAN #2								
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,900.00	90.74	269.68	3,477.00	385.22	-5,666.08	5,663.84	0.00	0.00	0.00
9,000.00	90.74	269.68	3,475.71	384.66	-5,766.07	5,763.84	0.00	0.00	0.00
9,100.00	90.74	269.68	3,474.43	384.10	-5,866.06	5,863.83	0.00	0.00	0.00
9,200.00	90.74	269.68	3,473.14	383.54	-5,966.05	5,963.82	0.00	0.00	0.00
9,300.00	90.74	269.68	3,471.85	382.98	-6,066.04	6,063.81	0.00	0.00	0.00
9,400.00	90.74	269.68	3,470.57	382.42	-6,166.04	6,163.80	0.00	0.00	0.00
9,500.00	90.74	269.68	3,469.28	381.86	-6,266.03	6,263.79	0.00	0.00	0.00
9,600.00	90.74	269.68	3,468.00	381.30	-6,366.02	6,363.79	0.00	0.00	0.00
9,700.00	90.74	269.68	3,466.71	380.74	-6,466.01	6,463.78	0.00	0.00	0.00
9,800.00	90.74	269.68	3,465.42	380.19	-6,566.00	6,563.77	0.00	0.00	0.00
9,900.00	90.74	269.68	3,464.14	379.63	-6,665.99	6,663.76	0.00	0.00	0.00
10,000.00	90.74	269.68	3,462.85	379.07	-6,765.98	6,763.75	0.00	0.00	0.00
10,100.00	90.74	269.68	3,461.57	378.51	-6,865.97	6,863.75	0.00	0.00	0.00
10,200.00	90.74	269.68	3,460.28	377.95	-6,965.96	6,963.74	0.00	0.00	0.00
10,300.00	90.74	269.68	3,458.99	377.39	-7,065.95	7,063.73	0.00	0.00	0.00
10,400.00	90.74	269.68	3,457.71	376.83	-7,165.94	7,163.72	0.00	0.00	0.00
10,500.00	90.74	269.68	3,456.42	376.27	-7,265.93	7,263.71	0.00	0.00	0.00
10,600.00	90.74	269.68	3,455.14	375.71	-7,365.92	7,363.70	0.00	0.00	0.00
10,700.00	90.74	269.68	3,453.85	375.15	-7,465.91	7,463.70	0.00	0.00	0.00
10,800.00	90.74	269.68	3,452.56	374.59	-7,565.90	7,563.69	0.00	0.00	0.00
10,900.00	90.74	269.68	3,451.28	374.03	-7,665.89	7,663.68	0.00	0.00	0.00
11,000.00	90.74	269.68	3,449.99	373.48	-7,765.88	7,763.67	0.00	0.00	0.00
11,100.00	90.74	269.68	3,448.71	372.92	-7,865.87	7,863.66	0.00	0.00	0.00
11,200.00	90.74	269.68	3,447.42	372.36	-7,965.86	7,963.65	0.00	0.00	0.00
11,300.00	90.74	269.68	3,446.14	371.80	-8,065.85	8,063.65	0.00	0.00	0.00
11,400.00	90.74	269.68	3,444.85	371.24	-8,165.84	8,163.64	0.00	0.00	0.00
11,500.00	90.74	269.68	3,443.56	370.68	-8,265.83	8,263.63	0.00	0.00	0.00
11,600.00	90.74	269.68	3,442.28	370.12	-8,365.82	8,363.62	0.00	0.00	0.00
11,700.00	90.74	269.68	3,440.99	369.56	-8,465.81	8,463.61	0.00	0.00	0.00
11,800.00	90.74	269.68	3,439.71	369.00	-8,565.80	8,563.60	0.00	0.00	0.00
11,852.61	90.74	269.68	3,439.03	368.71	-8,618.40	8,616.21	0.00	0.00	0.00
11,900.00	90.74	269.68	3,438.42	368.44	-8,665.79	8,663.60	0.00	0.00	0.00
11,932.62	90.74	269.68	3,438.00	368.26	-8,698.41	8,696.22	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PLAT SHL #1H: 1874' - plan hits target ce - Point	0.00 enter	0.00	0.00	0.00	0.00	661,181.90	581,103.22	32.817551	-104.203890
PLAT BHL/ TD #1H: 2 - plan hits target ce - Point	0.00 enter	0.00	3,438.00	368.26	-8,698.41	661,550.16	572,404.81	32.818589	-104.232204
PLAT LTP #1H: 2272' - plan misses targe - Point	0.00 t center by		3,439.03 11852.61us	367.90 sft MD (3439	-8,618.40 0.03 TVD, 36	661,549.80 8.71 N, -8618.40	572,484.82 E)	32.818588	-104.231943
PLAT FTP/ LP #1H: 2: - plan hits target ce - Point	0.00 enter	0.00	3,539.00	412.18	-844.82	661,594.08	580,258.40	32.818686	-104.206639





Database: WBDS\_SQL\_2
Company: Longfellow Energy
Project: Eddy Co., NM (Nad-83)

Site: BONZO FEDERAL COM 1924CDX

Well: 001H
Wellbore: Wellbore #1
Design: PLAN #2

Local Co-ordinate Reference: TVD Reference:

MD Reference: North Reference:

**Survey Calculation Method:** 

Well 001H

RKB = 17' @ 3616.30usft (AKITA 524) RKB = 17' @ 3616.30usft (AKITA 524)

Grid

# State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

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

### NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

# Section 1 – Plan Description Effective May 25, 2021

1. Operator: Longlehow Energy, LLC	OGRID: <u>372210</u>	Date: <u>07-26-22</u>	
II. Type: ⊠ Original □ Amendment due to	□ 19.15.27.9.D(6)(a) NN	MAC □ 19.15.27.9.D(6)(b) NMAC □ Other.	
If Other, please describe:			

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Bonzo State Com 1924CDX 001H	30-015-	L-20-17S-28E	1874 FSL & 743 FWL	500	500	5000
Bonzo State Com 1924CDX 002H	30-015-	L-20-17S-28E	1854 FSL & 745 FWL	500	500	5000
Bonzo State Com 1924CDX 003H	30-015-	L-20-17S-28E	1834 FSL & 747 FWL	500	500	5000

- IV. Central Delivery Point Name: DCP Midstream, LP (248749) @ Elvis tie in P-19-17s-28e) [See 19.15.27.9(D)(1) NMAC]
- **V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Bonzo State Com 1924CDX 001H	30-015-	8-15-22	8-25-22	10-1-22	11-1-22	11-15-22
Bonzo State Com 1924CDX 002H	30-015-	9-1-22	9-10-22	10-25-22	11-25-22	12-10-22
Bonzo State Com 1924CDX 003H	30-015-	9-15-22	9-25-22	11-5-22	12-5-22	12-20-22

- VI. Separation Equipment: 

  Attach a complete description of how Operator will size separation equipment to optimize gas capture.
- VII. Operational Practices: 

  Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.
- VIII. Best Management Practices: 

  Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 -	Enhanced	Plan
<b>EFFECTIV</b>	/E APRIL 1, 20	)22

EFFECTIVE APRIL 1, 2022										
Beginning April 1 reporting area mus	, 2022, an operator of the complete this section	that is not in complianc on.	e with its statewide natural	gas cap	pture requirement for the applicable					
capture requirement	nt for the applicable i	reporting area.	ection because Operator is in	n comp	liance with its statewide natural gas					
IX. Anticipated N	atural Gas Product	ion:								
Well		API	Anticipated Average Natural Gas Rate MCF/D		Anticipated Volume of Natural Gas for the First Year MCF					
X. Natural Gas G 	athering System (N	GGS):								
Operator	System	ULSTR of Tie-in	Anticipated Gathering Ava Start Date		ilable Maximum Daily Capacity of System Segment Tie-in					
production operation of the segment or particular XII. Line Capacit	ons to the existing or portion of the natural y. The natural gas ga	planned interconnect of gas gathering system(s)	If the natural gas gathering s to which the well(s) will be □ will not have capacity to	system( connec	ated pipeline route(s) connecting the (s), and the maximum daily capacity eted.  100% of the anticipated natural gas					
XIII. Line Pressure. Operator □ does □ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).										
☐ Attach Operator	's plan to manage pr	oduction in response to	the increased line pressure.							
Section 2 as prov	ided in Paragraph (	serts confidentiality pur 2) of Subsection D of asserted and the basis for	19.15.27.9 NMAC, and a	ISA 19	978 for the information provided in a full description of the specific					
=										

# Section 3 - Certifications Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

- ☑ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or
- □ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. *If Operator checks this box, Operator will select one of the following:*

Well Shut-In. □ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. 
☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

# Section 4 - Notices

- 1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:
- (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
- (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
- 2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:
Printed Name: Brian Wood
Title: Consultant
E-mail Address: brian@permitswest.com
Date: 7-26-22
Phone: 505 466-8120
OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:



#### **Attachment VI. Separation Equipment:**

Longfellow Energy (LFE) production facilities include separation equipment designed to efficiently separate gas from liquid phases to optimize gas capture based on projected and estimated volumes from the completion project. LFE will utilize flowback separation equipment and production separation equipment designed and built to industry specifications after the completion to optimize gas capture and send gas to sales or flare based on analytical composition. LFE operates facilities that are typically multiwell facilities. Production separation equipment is upgraded or installed before new wells are completed. This equipment is on-site and tied into sales gas lines prior to flowback.

#### **Attachment VII. Operational Practices:**

#### 19.15.27.8 Subsection A: Venting and Flaring of Natural Gas

Longfellow Energy (LFE) understands the requirements of NMAC 19.15.27.8 which states that the venting and flaring of natural gas during drilling, completion, or production operations that constitutes waste as defined in 19.15.2 are prohibited.

# 19.15.27.8 Subsection B: Venting and flaring during drilling operations

- 1. LFE shall capture or combust natural gas if technically feasible using best industry practices
- 2. A properly-sized flare stack shall be located at a minimum of 100 feet from the nearest surface hole location unless otherwise approved by the division.
- 3. In an emergency or malfunction, LFE may vent natural gas to avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment. LFE will report natural gas vented or flared during an emergency or malfunction to the NMOCD.

#### 19.15.27.8 Subsection C: Venting and flaring during completion or recompletion operations

- 1. During initial flowback, LFE shall route flowback fluids into a completion or storage tank and, if technically feasible under the applicable well conditions, flare rather than vent and commence operation of a separator as soon as it is technically feasible for a separator to function
- 2. During separation flowback, LFE shall capture and route natural gas from the separation equipment:
  - a. to a gas flowline or collection system, reinject into the well, or use on-site as a fuel source or other purpose that a purchased fuel or raw material would serve; or
  - b. to a flare if routing the natural gas to a gas flowline or collection system, reinjecting it into the well, or using it on-site as a fuel source or other purpose that a purchased fuel or raw material would serve would pose a risk to safe operation or personnel safety.
- 3. If natural gas does not meet gathering pipeline quality specifications, LFE may flare the natural gas for 60 days or until the natural gas meets the pipeline quality specifications, whichever is sooner, provided that:

### 19.15.27.8 Subsection D: Venting and flaring during production operations

LFE shall not vent or flare natural gas except:

- 1. during an emergency or malfunction;
- 2. to unload or clean-up liquid holdup in a well to atmospheric pressure, provided
  - a. LFE does not vent after the well achieves a stabilized rate and pressure;
  - b. for liquids unloading by manual purging, LFE remains present on-site until the end of unloading or posts at the well site the contact information of the personnel conducting the liquids unloading operation and ensures that personnel remains within 30 minutes' drive time of the well being unloaded until the end of unloading, takes all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time and takes reasonable actions to minimize venting to the maximum extent practicable;
  - c. during downhole well maintenance, only when LFE uses a workover rig, swabbing rig, coiled tubing unit or similar specialty equipment and minimizes the venting of natural gas to the extent that it does not pose a risk to safe operations and personnel safety
- 3. during the following activities unless prohibited by applicable state or federal law, rule, or regulation for the emission of hydrocarbons and volatile organic compounds:
  - a. gauging or sampling a storage tank or other low-pressure production vessel;
  - b. loading out liquids from a storage tank or other low-pressure production vessel to a transport vehicle;
  - c. repair and maintenance, including blowing down and depressurizing production equipment to perform repair and maintenance;
  - d. normal operation of a gas-activated pneumatic controller or pump;
  - e. normal operation of a storage tank or other low-pressure production vessel, but not including venting from a thief hatch that is not properly closed or maintained
  - f. normal operations of valves, flanges and connectors that is not the result of inadequate equipment design or maintenance;
  - g. a packer leakage test;
  - h. a production test lasting less than 24 hours unless the division requires or approves a longer test period;
  - i. when natural gas does not meet the gathering pipeline specifications, provided LFE analyzes natural gas samples twice per week to determine whether the specifications have been achieved, routes the natural gas into a gathering pipeline as soon as the pipeline specifications are met and provides the pipeline specifications and natural gas analyses to the division upon request; or
  - j. Commissioning of pipelines, equipment, or facilities only for as long as necessary to purge introduced impurities from the pipeline or equipment.

### 19.15.27.8 Subsection E: Performance Standards

- 1. LFE designed completion and production separation equipment and storage tanks for maximum anticipated throughput and pressure to minimize waste.
- 2. LFE permanent storage tanks associated with production operations that is routed to a flare or control device are equipped with automatic gauging system that reduces the venting of natural gas.
- 3. LFE shall combust natural gas in a flare stack that is properly sized and designed to ensure proper combustion efficiency.
  - a. The flare stack shall be equipped with an automatic ignitor or continuous pilot.
- 4. The flare stack shall be securely anchored and located at least 100 feet from the well and storage tanks unless otherwise approved by the division.
- 5. LFE shall conduct an AVO inspection weekly to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.

- a. During an AVO inspection the LFE shall inspect all components, including flare stacks, thief hatches, closed vent systems, pumps, compressors, pressure relief devices, valves, lines, flanges, connectors, and associated piping to identify defects, leaks, and releases by:
  - i. a comprehensive external visual inspection;
  - ii. listening for pressure and liquid leaks; and
  - iii. smelling for unusual and strong odors.
- b. LFE shall make and keep a record of an AVO inspection for not less than five years and make such record available for inspection by the division upon request.
- 6. facilities shall be designed to minimize waste;
- 7. LFE has an obligation to minimize waste and shall resolve emergencies as quickly and safely as is feasible.

# 19.15.27.8 Subsection F: Measurement or estimation of vented and flared natural gas

- 1. LFE shall measure or estimate the volume of natural gas that it vents, flares, or beneficially uses during drilling, completion, and production operations regardless of the reason or authorization for such venting or flaring.
- 2. LFE shall install equipment to measure the volume of natural gas flared from existing process piping or a flowline piped from equipment such as high pressure separators, heater treaters, or vapor recovery units associated with a well or facility associated with a well authorized by the APD

# **Attachment VIII. Best Management Practices:**

Longfellow Energy (LFE) utilizes the following best management practices to minimize venting during active and planned maintenance

- 1. LFE has a closed vent capture system to route emissions from the heater treater, tanks and vapor to the VRU with a flare for backup. The system is designed such that if the VRU is taken out of service for any reason, the vapors will be routed to the flare for combustion.
- 2. LFE will isolate and attempt to route all vapors to the VRU or flare prior to opening any lines for maintenance to minimize venting from the equipment when technically feasible
- 3. LFE will shut in wells in the event of a takeaway disruption, emergency situations, or other operations where venting or flaring may occur due to equipment failures.
- 4. Lease operators will be visiting the location daily to check and maintain all equipment ensuring all scrubbers, flame arrestors, and the flare ignitor is functioning properly.