<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 370889

	APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD	AZUNE
Ot N   Add		O OODID Nor

Operator Name and Address	2. OGRID Number	
Franklin Mountain Energy 3, LLC	331595	
44 Cook Street	3. API Number	
Denver, CO 80206		30-025-53337
4. Property Code	5. Property Name	6. Well No.
336097	ROPE STATE COM	302H

7 Surface Location

UL - Lot Section			Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	0	30	18S	35E	0	335	S	2493	E	Lea

8. Proposed Bottom Hole Location

UL - Lot		Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
	С	18	18S	35E	С	100	N	2290	W	Lea

9. Pool Information

WC-025 G-06 S183518A;BONE SPRING	97930
AIRSTRIP;BONE SPRING	960

**Additional Well Information** 

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3945
16. Multiple Y	17. Proposed Depth 24794	18. Formation  Bone Spring	19. Contractor	20. Spud Date 5/15/2025
Depth to Ground water		Distance from nearest fresh water 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

			cpcccu cuc;	, and coment regram		
Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1992	1520	0
Int1	12.25	9.625	40	4201	878	0
Prod	8.75	7	32	8746	382	3201
Prod	8.75	5.5	20	24794	4004	8746

#### Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program Working Pressure Туре Test Pressure Manufacturer Double Ram 10000 5000 CACTUS

knowledge and	belief. I have complied with 19.15.14.9 (A)	strue and complete to the best of my NMAC ⊠ and/or 19.15.14.9 (B) NMAC		OIL CONSERVAT	ION DIVISION		
Printed Name:	Electronically filed by Rachael A	Overbey	Approved By:	Paul F Kautz	Paul F Kautz		
Title:	Project Manager		Title:	Geologist	Geologist		
Email Address:	roverbey@fmellc.com		Approved Date:	8/6/2024	Expiration Date: 8/6/2026		
Date: 7/31/2024 Phone: 303-570-4057			Conditions of Approval Attached				

<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 Phone: (3/3) /10-1203 Luni 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

<sup>1</sup> API Number	r	<sup>2</sup> Pool Code 97930		
4 Property Code			operty Name	6 Well Number
		ROPE	STATE COM	302H
7 OGRID No.		8 OI	perator Name	9 Elevation
331595		FRANKLIN MOU	JNTAIN ENERGY 3. LLC	3945.3'

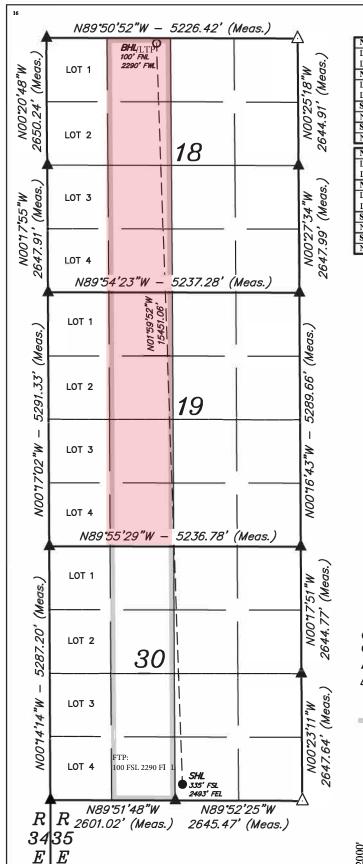
# <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	30	18S	35E		335	SOUTH	2493	EAST	LEA

# <sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. C	Sect	ا ا	Township 18S	Range 35E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 2290	East/West line WEST	County LEA
12 Dedicated Acro 320	es	13 Jo	oint or Infill	14 Conso	lidation Code	15 Order No.	er er		×	

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.



NAD 83 (SURFACE HOLE LOCATION) NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°42'44.68" (32.712412°)
LONGITUDE = -103°29'46.70" (-103.496306°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°42'44.24" (32.712288°)
LONGITUDE = -103°29'44.93" (-103.495813°)
STATE PLANE NAD 83 (N.M. EAST) STATE PLANE NAD 27 (N.M. EAST) N: 623858.93' E: 757603.81'

NAD 83 (BOTTOM HOLE LOCATION) LATITUDE = 32°45'17.47" (32.754851°)
LONGITUDE = -103°29'52.35" (-103.497874°)
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 32°45'17.02" (32.754727°)
LONGITUDE = -103°29'50.56" (-103.497379°)
STATE PLANE NAD 83 (N.M. EAST)

N: 639360.00' E: 798179.42' STATE PLANE NAD 27 (N.M. EAST) N: 639295.14' E: 757000.15'

#### <sup>17</sup>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 right to drill this well at this location pursuan right to that this well at this location pursuant to a contract with an owner of such a mineral or working interest, opera voluntary pooling agreement of a compulsory pooling order heretoforgentered by the division.

Verbe

5/20/2024

acha

roverbey@fmellc.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.

February 21, 2024

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

= SURFACE HOLE LOCATION O = BOTTOM HOLE LOCATION

▲ = SECTION CORNER LOCATED SECTION CORNER RE-ESTABLISHED.

(Not Set on Ground.) = DRILLING SPACING UNIT

- NOTE:

  Distances referenced on plat to section

- Distances reterence on pian to section lines are perpendicular.

  Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83) Section breakdown information for the plat may be obtained from Uintah Engineering and Land Surveying.



DRAWN BY: C.S.C. 02-27-24

Released to Imaging: 8/6/2024 11:22:48 AM

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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

Г	<sup>1</sup> API Number		<sup>2</sup> Pool Code	me	
			960	AIRSTRIP; BONE SPRING	
	4 Property Code		5 Pr	operty Name	6 Well Number
			ROPE	STATE COM	302H
Г	7 OGRID No.		8 O <sub>I</sub>	perator Name	9 Elevation
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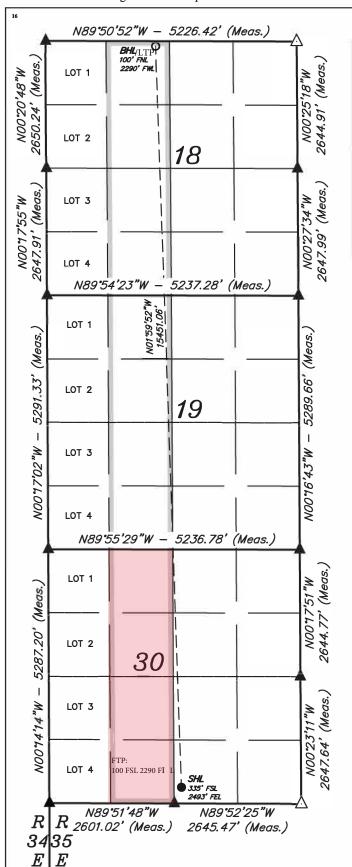
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UL or lot no. C	Secti 18		Township 18S	Range 35E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 2290	East/West line WEST	County LEA
12 Dedicated Acre 160	es	<sup>13</sup> Jo	int or Infill	14 Conso	lidation Code	15 Order No.	(Art. Tr		× .	· · · · · · · · · · · · · · · · · · ·

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.



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

Form APD Conditions

Permit 370889

#### PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
Franklin Mountain Energy 3, LLC [331595]	30-025-53337
44 Cook Street	Well:
Denver, CO 80206	ROPE STATE COM #302H

OCD Reviewer	Condition
pkautz	Notify OCD 24 hours prior to casing & cement
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
pkautz	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
pkautz	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
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud



# Franklin Mountain Energy LLC

PV\_Lea County, NM(N83-NME3001)
Rope Mid Pad
(02) Rope State Com 302H - Slot (02) RPSC 302H

302H

Plan: APD-Rev01

# **Standard Planning Report - Geographic**

12 March, 2024



TVD Reference:

MD Reference:

North Reference:

Database: TZ USA 17.2

Company: Franklin Mountain Energy LLC
Project: PV\_Lea County, NM(N83-NME3001)

Site: Rope Mid Pad

Well: (02) Rope State Com 302H

Wellbore: 302H
Design: APD-Rev01

Local Co-ordinate Reference:

**Survey Calculation Method:** 

Well (02) Rope State Com 302H - Slot (02)

RPSC 302H

3945+30 @ 3975.00usft 3945+30 @ 3975.00usft

Grid

Minimum Curvature

Project PV\_Lea County, NM(N83-NME3001)

Map System: US State Plane 1983

Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

System Datum.

Site Rope Mid Pad

 Site Position:
 Northing:
 623,923.17 usft
 Latitude:
 32.71241256

 From:
 Map
 Easting:
 798,753.52 usft
 Longitude:
 -103.49640367

Position Uncertainty: 0.00 usft Slot Radius: 13-3/16 "

Well (02) Rope State Com 302H - Slot (02) RPSC 302H

 Well Position
 +N/-S
 0.00 usft
 Northing:
 623,923.28 usft
 Latitude:
 32.71241221

 +E/-W
 0.00 usft
 Easting:
 798,783.52 usft
 Longitude:
 -103.49630613

 Position Uncertainty
 0.00 usft
 Wellhead Elevation:
 usft
 Ground Level:
 3,945.00 usft

Grid Convergence: 0.45 °

Wellbore 302H

 Magnetics
 Model Name
 Sample Date (°)
 Dip Angle (°)
 Field Strength (nT)

 IGRF2020
 3/10/2024
 6.23
 60.26
 47,500.24258575

 Design
 APD-Rev01

 Audit Notes:
 Version:
 Phase:
 PLAN
 Tie On Depth:
 0.00

 Vertical Section:
 Depth From (TVD) (usft)
 +N/-S +E/-W (usft)
 Direction (usft)

 0.00
 0.00
 0.00
 359.48

Plan Survey Tool Program Date 3/12/2024

Depth From Depth To

(usft) (usft) Survey (Wellbore) Tool Name Remarks

1 0.00 24,793.98 APD-Rev01 (302H) MWD+IFR1+MS

OWSG MWD + IFR1 + Multi-S



Database: TZ USA 17.2

Company: Franklin Mountain Energy LLC
Project: PV\_Lea County, NM(N83-NME3001)

Site: Rope Mid Pad

Well: (02) Rope State Com 302H

Wellbore: 302H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well (02) Rope State Com 302H - Slot (02)

RPSC 302H

3945+30 @ 3975.00usft 3945+30 @ 3975.00usft

Grid

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,964.52	6.97	243.53	1,963.37	-12.57	-25.25	1.50	1.50	0.00	243.53	
6,539.87	6.97	243.53	6,504.94	-259.95	-522.12	0.00	0.00	0.00	0.00	
7,236.65	0.00	0.00	7,200.00	-278.81	-560.00	1.00	-1.00	0.00	180.00	
8,745.69	0.00	0.00	8,709.04	-278.81	-560.00	0.00	0.00	0.00	0.00	
9,645.69	90.00	7.00	9,282.00	289.88	-490.17	10.00	10.00	0.00	7.00	
10,021.90	90.00	359.48	9,282.00	665.22	-468.94	2.00	0.00	-2.00	-90.00	
24,794.02	90.00	359.48	9,282.00	15,436.72	-604.10	0.00	0.00	0.00	0.00	02-PBHL(RPSC-302H



Well:

# Planning Report - Geographic

TZ USA 17.2 Database:

Franklin Mountain Energy LLC Company: Project: PV\_Lea County, NM(N83-NME3001)

Site: Rope Mid Pad

(02) Rope State Com 302H 302H Wellbore: Design: APD-Rev01

Local Co-ordinate Reference:

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

**Survey Calculation Method:** 

Well (02) Rope State Com 302H - Slot (02)

RPSC 302H

3945+30 @ 3975.00usft 3945+30 @ 3975.00usft

Grid

Design.	711 0	itevoi							
Planned Survey									
Measured			Vertical			Мар	Мар		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting		
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
0.00			0.00			000 000 00	700 700 50		_
0.00	0.00	0.00	0.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
30.00	0.00	0.00	30.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
	c Alluvium (su		100.00	0.00	0.00	200 200 20	700 700 50	00 71011001	400 4000040
100.00	0.00	0.00	100.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
200.00	0.00	0.00	200.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
300.00	0.00	0.00	300.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
400.00	0.00	0.00	400.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
500.00 600.00	0.00	0.00	500.00 600.00	0.00 0.00	0.00 0.00	623,923.28	798,783.52	32.71241221	-103.49630613
		0.00				623,923.28	798,783.52	32.71241221	-103.49630613
700.00 800.00	0.00	0.00 0.00	700.00 800.00	0.00 0.00	0.00 0.00	623,923.28 623,923.28	798,783.52 798,783.52	32.71241221 32.71241221	-103.49630613 -103.49630613
900.00	0.00	0.00	900.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
1,000.00	0.00	0.00	1,000.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
1,100.00	0.00	0.00	1,100.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
1,200.00	0.00	0.00	1,200.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
1,300.00	0.00	0.00	1,300.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
1,400.00	0.00	0.00	1,400.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
1,500.00	0.00	0.00	1,500.00	0.00	0.00	623,923.28	798,783.52	32.71241221	-103.49630613
1,600.00	1.50	243.53	1,599.99	-0.58	-1.17	623,922.70	798,782.35	32.71241063	-103.49630996
1,700.00	3.00	243.53	1,699.91	-2.33	-4.69	623,920.95	798,778.83	32.71240590	-103.49632143
1,800.00	4.50	243.53	1,799.69	-5.25	-10.54	623,918.04	798,772.98	32.71239801	-103.49634054
1,900.00	6.00	243.53	1,899.27	-9.33	-18.73	623,913.96	798,764.79	32.71238698	-103.49636727
1,942.99	6.64	243.53	1,942.00	-11.44	-22.97	623,911.85	798,760.55	32.71238128	-103.49638110
Rustler			•			,	•		
1,964.52	6.97	243.53	1,963.37	-12.57	-25.25	623,910.71	798,758.26	32.71237820	-103.49638855
2,000.00	6.97	243.53	1,998.59	-14.49	-29.11	623,908.79	798,754.41	32.71237301	-103.49640113
2,100.00	6.97	243.53	2,097.86	-19.90	-39.97	623,903.39	798,743.55	32.71235839	-103.49643657
2,200.00	6.97	243.53	2,197.12	-25.30	-50.83	623,897.98	798,732.69	32.71234376	-103.49647202
2,248.24	6.97	243.53	2,245.00	-27.91	-56.06	623,895.37	798,727.45	32.71233671	-103.49648911
Salado									
2,300.00	6.97	243.53	2,296.38	-30.71	-61.69	623,892.57	798,721.83	32.71232914	-103.49650746
2,400.00	6.97	243.53	2,395.64	-36.12	-72.55	623,887.17	798,710.97	32.71231451	-103.49654290
2,500.00	6.97	243.53	2,494.90	-41.53	-83.40	623,881.76	798,700.11	32.71229989	-103.49657835
2,600.00	6.97	243.53	2,594.16	-46.93	-94.26	623,876.35	798,689.25	32.71228527	-103.49661379
2,700.00	6.97	243.53	2,693.42	-52.34	-105.12	623,870.95	798,678.39	32.71227064	-103.49664923
2,800.00	6.97	243.53	2,792.69	-57.75	-115.98	623,865.54	798,667.53	32.71225602	-103.49668467
2,900.00	6.97	243.53	2,891.95	-63.15	-126.84	623,860.13	798,656.67	32.71224139	-103.49672012
3,000.00	6.97	243.53	2,991.21	-68.56	-137.70	623,854.73	798,645.81	32.71222677	-103.49675556
3,100.00	6.97	243.53	3,090.47	-73.97	-148.56	623,849.32	798,634.96	32.71221214	-103.49679100
3,200.00	6.97	243.53	3,189.73	-79.37	-159.42	623,843.91	798,624.10	32.71219752	-103.49682645
3,225.46	6.97	243.53	3,215.00	-80.75	-162.19	623,842.54	798,621.33	32.71219380	-103.49683547
Base Sal	lt								
3,300.00	6.97	243.53	3,288.99	-84.78	-170.28	623,838.50	798,613.24	32.71218290	-103.49686189
3,400.00	6.97	243.53	3,388.25	-90.19	-181.14	623,833.10	798,602.38	32.71216827	-103.49689733
3,500.00	6.97	243.53	3,487.52	-95.59	-192.00	623,827.69	798,591.52	32.71215365	-103.49693278
3,578.06	6.97	243.53	3,565.00	-99.81	-200.48	623,823.47	798,583.04	32.71214223	-103.49696044
Yates									
3,600.00	6.97	243.53	3,586.78	-101.00	-202.86	623,822.28	798,580.66	32.71213902	-103.49696822
3,700.00	6.97	243.53	3,686.04	-106.41	-213.72	623,816.88	798,569.80	32.71212440	-103.49700366
3,800.00	6.97	243.53	3,785.30	-111.81	-224.58	623,811.47	798,558.94	32.71210977	-103.49703910
3,900.00	6.97	243.53	3,884.56	-117.22	-235.44	623,806.06	798,548.08	32.71209515	-103.49707455
3,999.17	6.97	243.53	3,983.00	-122.58	-246.21	623,800.70	798,537.31	32.71208065	-103.49710970
Seven R	ivers								
-									



Database: TZ USA 17.2

Company: Franklin Mountain Energy LLC
Project: PV\_Lea County, NM(N83-NME3001)

Site: Rope Mid Pad

Well: (02) Rope State Com 302H

Wellbore: 302H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well (02) Rope State Com 302H - Slot (02)

RPSC 302H

3945+30 @ 3975.00usft 3945+30 @ 3975.00usft

Grid

Planned Survey	,								
Measured			Vertical			Мар	Мар		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting		
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
						` '	, ,		_
4,000.00		243.53	3,983.82	-122.63	-246.30	623,800.66	798,537.22	32.71208052	-103.49710999
4,100.00		243.53	4,083.08	-128.03	-257.16	623,795.25	798,526.36	32.71206590	-103.49714543
4,200.00		243.53	4,182.35	-133.44	-268.02	623,789.84	798,515.50	32.71205128	-103.49718088
4,300.00		243.53	4,281.61	-138.85	-278.88	623,784.44	798,504.64	32.71203665	-103.49721632
4,400.00		243.53	4,380.87	-144.25	-289.74	623,779.03	798,493.78	32.71202203	-103.49725176
4,500.00		243.53	4,480.13	-149.66	-300.60	623,773.62	798,482.92	32.71200740	-103.49728720
4,600.00		243.53	4,579.39	-155.07	-311.46	623,768.22	798,472.06	32.71199278	-103.49732265
4,700.00		243.53	4,678.65	-160.47	-322.32	623,762.81	798,461.20	32.71197815	-103.49735809
4,758.78	6.97	243.53	4,737.00	-163.65	-328.70	623,759.63	798,454.82	32.71196956	-103.49737892
Queen									
4,800.00		243.53	4,777.91	-165.88	-333.18	623,757.40	798,450.34	32.71196353	-103.49739353
4,900.00	6.97	243.53	4,877.18	-171.29	-344.04	623,752.00	798,439.48	32.71194890	-103.49742897
5,000.00		243.53	4,976.44	-176.69	-354.90	623,746.59	798,428.62	32.71193428	-103.49746442
5,100.00	6.97	243.53	5,075.70	-182.10	-365.75	623,741.18	798,417.76	32.71191965	-103.49749986
5,200.00	6.97	243.53	5,174.96	-187.51	-376.61	623,735.78	798,406.90	32.71190503	-103.49753530
5,300.00	6.97	243.53	5,274.22	-192.91	-387.47	623,730.37	798,396.04	32.71189041	-103.49757075
5,400.00	6.97	243.53	5,373.48	-198.32	-398.33	623,724.96	798,385.18	32.71187578	-103.49760619
5,500.00	6.97	243.53	5,472.74	-203.73	-409.19	623,719.56	798,374.32	32.71186116	-103.49764163
5,600.00	6.97	243.53	5,572.01	-209.13	-420.05	623,714.15	798,363.46	32.71184653	-103.49767707
5,700.00	6.97	243.53	5,671.27	-214.54	-430.91	623,708.74	798,352.61	32.71183191	-103.49771252
5,800.00	6.97	243.53	5,770.53	-219.95	-441.77	623,703.34	798,341.75	32.71181728	-103.49774796
5,900.00	6.97	243.53	5,869.79	-225.35	-452.63	623,697.93	798,330.89	32.71180266	-103.49778340
6,000.00	6.97	243.53	5,969.05	-230.76	-463.49	623,692.52	798,320.03	32.71178803	-103.49781884
6,071.48	6.97	243.53	6,040.00	-234.63	-471.25	623,688.66	798,312.26	32.71177758	-103.49784418
Delawar	e Mtn Group								
6,100.00	6.97	243.53	6,068.31	-236.17	-474.35	623,687.12	798,309.17	32.71177341	-103.49785429
6,200.00	6.97	243.53	6,167.57	-241.57	-485.21	623,681.71	798,298.31	32.71175878	-103.49788973
6,300.00	6.97	243.53	6,266.84	-246.98	-496.07	623,676.30	798,287.45	32.71174416	-103.49792517
6,400.00	6.97	243.53	6,366.10	-252.39	-506.93	623,670.90	798,276.59	32.71172954	-103.49796061
6,500.00	6.97	243.53	6,465.36	-257.79	-517.79	623,665.49	798,265.73	32.71171491	-103.49799606
6,539.87	6.97	243.53	6,504.94	-259.95	-522.12	623,663.33	798,261.40	32.71170908	-103.49801019
6,600.00	6.37	243.53	6,564.66	-263.06	-528.37	623,660.22	798,255.15	32.71170066	-103.49803058
6,700.00	5.37	243.53	6,664.13	-267.62	-537.52	623,655.67	798,246.00	32.71168834	-103.49806045
6,800.00	4.37	243.53	6,763.77	-271.40	-545.11	623,651.89	798,238.41	32.71167811	-103.49808523
6,900.00	3.37	243.53	6,863.54	-274.40	-551.15	623,648.88	798,232.37	32.71166999	-103.49810493
7,000.00	2.37	243.53	6,963.42	-276.63	-555.63	623,646.65	798,227.89	32.71166396	-103.49811954
7,100.00		243.53	7,063.36	-278.08	-558.54	623,645.20	798,224.98	32.71166003	-103.49812906
7,200.00	0.37	243.53	7,163.35	-278.76	-559.90	623,644.53	798,223.62	32.71165821	-103.49813348
7,236.65	0.00	0.00	7,200.00	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
7,300.00	0.00	0.00	7,263.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
7,400.00		0.00	7,363.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
7,500.00	0.00	0.00	7,463.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
7,600.00	0.00	0.00	7,563.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
7,650.65	0.00	0.00	7,614.00	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
Bone Sr	ring Lime								
7,700.00		0.00	7,663.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
7,800.00	0.00	0.00	7,763.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
7,900.00		0.00	7,863.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
8,000.00	0.00	0.00	7,963.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
8,100.00	0.00	0.00	8,063.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
8,200.00	0.00	0.00	8,163.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
8,300.00	0.00	0.00	8,263.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
8,400.00	0.00	0.00	8,363.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382



Database: TZ USA 17.2

Company: Franklin Mountain Energy LLC
Project: PV\_Lea County, NM(N83-NME3001)

Site: Rope Mid Pad

Well: (02) Rope State Com 302H

Wellbore: 302H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well (02) Rope State Com 302H - Slot (02)

RPSC 302H

3945+30 @ 3975.00usft 3945+30 @ 3975.00usft

Grid

Design.	711 0	ilevo i							
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,500.00	0.00	0.00	8,463.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
8,600.00	0.00	0.00	8,563.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
8,700.00	0.00	0.00	8,663.35	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
8,745.69	0.00	0.00	8,709.04	-278.81	-560.00	623,644.47	798,223.52	32.71165807	-103.49813382
	45.69' MD/ -27								
8,750.00	0.43	7.00	8,713.35	-278.79	-560.00	623,644.49	798,223.52	32.71165811	-103.49813381
8,800.00	5.43	7.00	8,763.27	-276.26	-559.69	623,647.03	798,223.83	32.71166507	-103.49813274
8,850.00 8,900.00	10.43	7.00	8,812.77	-269.41	-558.85	623,653.87	798,224.67	32.71168387	-103.49812983 -103.49812511
8,950.00	15.43 20.43	7.00 7.00	8,861.49 8,909.05	-258.31 -243.04	-557.48 -555.61	623,664.97 623,680.25	798,226.03 798,227.91	32.71171435 32.71175629	-103.49811862
8,975.90	23.02	7.00	8,933.10	-243.04	-554.44	623,689.76	798,229.08	32.71178242	-103.49811458
	8975.90' MD/			-200.02	-004.44	020,000.70	730,223.00	02.71170242	-100.40011400
9,000.00	25.43	7.00	8,955.08	-223.71	-553.23	623,699.58	798,230.28	32.71180936	-103.49811041
9,050.00	30.43	7.00	8,999.24	-200.47	-550.38	623,722.82	798,233.14	32.71187317	-103.49810054
9,100.00	35.43	7.00	9,041.20	-173.50	-547.07	623,749.79	798,236.45	32.71194722	-103.49808909
9,150.00	40.43	7.00	9,080.62	-143.00	-543.32	623,780.28	798,240.19	32.71203096	-103.49807613
9,200.00	45.43	7.00	9,117.22	-109.21	-539.18	623,814.07	798,244.34	32.71212374	-103.49806178
9,226.29	48.06	7.00	9,135.23	-90.21	-536.84	623,833.08	798,246.68	32.71217592	-103.49805370
	RPSC-302H)								
9,250.00	50.43	7.00	9,150.71	-72.38	-534.65	623,850.90	798,248.86	32.71222486	-103.49804613
9,283.02	53.73	7.00	9,171.00	-46.53	-531.48	623,876.76	798,252.04	32.71229586	-103.49803515
	ne Spring San								
9,300.00	55.43	7.00	9,180.84	-32.80	-529.79	623,890.49	798,253.72	32.71233356	-103.49802932
9,350.00 9,400.00	60.43 65.43	7.00	9,207.38	9.24	-524.63	623,932.53	798,258.89	32.71244899	-103.49801146
9,450.00	70.43	7.00 7.00	9,230.12 9,248.90	53.42 99.40	-519.21 -513.56	623,976.71 624,022.68	798,264.31 798,269.96	32.71257029 32.71269653	-103.49799269 -103.49797316
9,500.00	75.43	7.00	9,243.57	146.82	-507.74	624,070.11	798,275.78	32.71282675	-103.49795302
9,550.00	80.43	7.00	9,274.03	195.34	-501.78	624,118.62	798,281.74	32.71295996	-103.49793241
9,600.00	85.43	7.00	9,280.18	244.57	-495.74	624,167.86	798,287.78	32.71309514	-103.49791149
9,645.69	90.00	7.00	9,282.00	289.88	-490.17	624,213.16	798,293.34	32.71321953	-103.49789225
EOC: 964	45.69' MD/ 294	4.31' VS/9282	.00' TVD - HZ 1	arget					
9,700.00	90.00	5.91	9,282.00	343.84	-484.07	624,267.12	798,299.45	32.71336771	-103.49787101
9,800.00	90.00	3.91	9,282.00	443.47	-475.50	624,366.75	798,308.02	32.71364134	-103.49784061
9,900.00	90.00	1.91	9,282.00	543.33	-470.42	624,466.62	798,313.10	32.71391570	-103.49782153
10,000.00	90.00	359.91	9,282.00	643.32	-468.82	624,566.60	798,314.69	32.71419046	-103.49781378
10,021.90	90.00	359.48	9,282.00	665.22	-468.94	624,588.50	798,314.58	32.71425066	-103.49781360
10,100.00	90.00	359.48	9,282.00	743.31	-469.65	624,666.60	798,313.86	32.71446531	-103.49781392
10,200.00	90.00	359.48	9,282.00	843.31	-470.57	624,766.59	798,312.95	32.71474016	-103.49781434
10,300.00 10,400.00	90.00 90.00	359.48 359.48	9,282.00 9,282.00	943.30 1,043.30	-471.48 -472.40	624,866.59 624,966.58	798,312.03 798,311.12	32.71501500 32.71528985	-103.49781475 -103.49781516
10,500.00		359.48	9,282.00	1,143.30	-472.40 -473.31	625,066.58	798,310.20	32.71556470	-103.49781557
10,600.00		359.48	9,282.00	1,243.29	-474.23	625,166.57	798,309.29	32.71583955	-103.49781598
10,700.00	90.00	359.48	9,282.00	1,343.29	-475.14	625,266.57	798,308.37	32.71611440	-103.49781640
10,800.00	90.00	359.48	9,282.00	1,443.28	-476.06	625,366.57	798,307.46	32.71638925	-103.49781681
10,900.00	90.00	359.48	9,282.00	1,543.28	-476.97	625,466.56	798,306.54	32.71666409	-103.49781722
11,000.00	90.00	359.48	9,282.00	1,643.27	-477.89	625,566.56	798,305.63	32.71693894	-103.49781763
11,100.00	90.00	359.48	9,282.00	1,743.27	-478.80	625,666.55	798,304.71	32.71721379	-103.49781805
11,200.00	90.00	359.48	9,282.00	1,843.27	-479.72	625,766.55	798,303.80	32.71748864	-103.49781846
11,300.00	90.00	359.48	9,282.00	1,943.26	-480.63	625,866.55	798,302.88	32.71776349	-103.49781887
11,400.00	90.00	359.48	9,282.00	2,043.26	-481.55	625,966.54	798,301.97	32.71803833	-103.49781928
11,500.00	90.00	359.48	9,282.00	2,143.25	-482.46	626,066.54	798,301.05	32.71831318	-103.49781969
11,600.00	90.00	359.48	9,282.00	2,243.25	-483.38 484.20	626,166.53	798,300.14	32.71858803	-103.49782011
11,700.00	90.00	359.48	9,282.00	2,343.24	-484.29	626,266.53	798,299.22	32.71886288	-103.49782052



Database: TZ USA 17.2

Company: Franklin Mountain Energy LLC
Project: PV\_Lea County, NM(N83-NME3001)

Site: Rope Mid Pad

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Well (02) Rope State Com 302H - Slot (02)

RPSC 302H

3945+30 @ 3975.00usft 3945+30 @ 3975.00usft

Grid

11900.00 90.00 359.48 9.282.00 2.643.22 4-888.12 628.466.52 788.297.39 32.71941257 -103.4978217 12;00.00 90.00 359.48 9.282.00 2.643.23 4-87.96 626.6666.52 788.296.48 32.71996227 -103.4978217 12;00.00 90.00 359.48 9.282.00 2.643.22 4-889.76 626.6666.51 788.296.56 32.71996227 -103.4978225 12;00.00 90.00 359.48 9.282.00 3.043.22 4-889.78 626.866.50 788.236.73 32.72051197 -103.4978225 12;00.00 90.00 359.48 9.282.00 3.043.22 4-89.78 626.866.50 788.236.73 32.72051197 -103.4978225 12;00.00 90.00 359.48 9.282.00 3.043.22 4-89.78 626.866.50 788.236.73 32.72051197 -103.4978224 12;500.00 90.00 359.48 9.282.00 3.43.21 -491.61 627.666.50 788.236.79 32.72106166 -103.4978234 12;500.00 90.00 359.48 9.282.00 3.433.20 4-89.266.60 57.766.49 788.209.90 32.72106166 -103.4978234 12;800.00 90.00 359.48 9.282.00 3.433.20 4-89.344 627.266.64 788.280.99 32.72161156 -103.4978234 12;800.00 90.00 359.48 9.282.00 3.433.20 4-89.344 627.266.64 788.280.99 32.72161156 -103.4978234 12;800.00 90.00 359.48 9.282.00 3.433.20 4-89.346 627.666.47 788.286.84 32.722161156 -103.4978236 12;800.00 90.00 359.48 9.282.00 3.643.19 4-95.25 627.666.47 788.286.84 32.722161156 -103.4978236 13;000.00 90.00 359.48 9.282.00 3.643.19 4-95.10 627.666.47 788.286.84 32.722216156 -103.4978236 13;000.00 90.00 359.48 9.282.00 3.643.19 4-95.10 627.666.47 789.286.85 32.72226065 -103.4978236 13;000.00 90.00 359.48 9.282.00 3.433.18 4-95.10 627.666.47 789.286.85 32.72236045 -103.4978236 13;000.00 90.00 359.48 9.282.00 3.433.18 4-95.10 627.666.47 789.286.56 32.72236045 -103.4978236 13;000.00 90.00 359.48 9.282.00 3.433.18 4-95.90 627.666.47 789.286.56 32.72236045 -103.4978236 13;000.00 90.00 359.48 9.282.00 3.433.18 4-95.90 627.666.47 789.286.56 32.72236045 -103.4978236 13;000.00 90.00 359.48 9.282.00 4,433.16 -405.05 62.866.64 789.286.56 32.72236046 -103.4978236 13;000.00 90.00 359.48 9.282.00 4,433.16 -405.05 62.866.64 789.286.56 32.72236044 -103.4978236 13;000.00 90.00 359.48 9.282.00 4,433.16 -405.05 62.866.64 789.286.64 789.286.64 789.286.64 789.286.64 789.286.64 789.286										
Depth   Inclination   Azimuth   Depth   4N/S   4E/MY   (ustf)	Planned Survey									
11900 00   90.00   359.48   9.282.00   2.643.24   -488.12   628.466.52   798.297.39   32.71941257   -103.4978215   12.100.00   90.00   359.48   9.282.00   2.643.23   -487.95   628.666.55   798.296.56   32.71960277   -103.4978215   12.200.00   90.00   359.48   9.282.00   2.843.22   -489.76   628.666.55   798.296.56   32.71960277   -103.4978225   12.200.00   90.00   359.48   9.282.00   2.943.22   -489.76   628.666.55   798.296.56   32.71960277   -103.4978225   12.500.00   90.00   359.48   9.282.00   3.043.22   -489.76   628.666.50   798.296.29   32.72106166   -103.4978234   12.500.00   90.00   359.48   9.282.00   3.443.21   -491.61   627.666.50   798.296.29   32.72106166   -103.4978234   12.500.00   90.00   359.48   9.282.00   3.443.21   -491.61   627.666.50   798.296.20   32.72116666   -103.4978234   12.500.00   90.00   359.48   9.282.00   3.443.20   -493.44   627.266.64   798.280.00   32.72161156   -103.4978234   12.500.00   90.00   359.48   9.282.00   3.443.20   -493.44   627.266.64   798.280.60   738.280.16   -103.4978236   12.500.00   90.00   359.48   9.282.00   3.443.19   -495.25   627.666.47   798.286.16   32.72216105   -103.4978236   13.000.00   90.00   359.48   9.282.00   3.643.19   -495.10   627.666.47   798.286.16   32.72221056   -103.4978236   13.000.00   90.00   359.48   9.282.00   3.843.18   -495.10   627.666.47   798.286.16   32.72221056   -103.4978236   13.000.00   90.00   359.48   9.282.00   3.843.18   -495.10   627.666.47   798.286.16   32.72221056   -103.4978236   13.000.00   90.00   359.48   9.282.00   3.443.16   -496.92   627.666.47   798.286.56   32.72236046   -103.4978236   -1	Depth			Depth			Northing	Easting	Latitude	Longitude
11900 00   90.00   359.48   9,282.00   2,643.24   488.12   628.466.52   788,226.38   32.71941257   -103.4978217   12,100 00   90.00   359.48   9,282.00   2,643.23   487.95   628.666.52   788,226.48   32.71996227   -103.4978217   12,100 00   90.00   359.48   9,282.00   2,843.22   489.76   628.666.51   788,226.66   32.71996227   -103.4978225   12,500 00   90.00   359.48   9,282.00   2,943.22   489.76   628.666.50   788,236.73   32.72051197   -103.4978225   12,500 00   90.00   359.48   9,282.00   3,043.22   490.70   626.666.50   788,226.22   32.72051897   -103.4978224   12,500 00   90.00   359.48   9,282.00   3,443.21   491.61   627,066.50   788,226.20   32.72106166   -103.4978234   12,500 00   90.00   359.48   9,282.00   3,443.20   493.44   627,266.40   788,200.07   32.72161156   -103.4978234   12,500 00   90.00   359.48   9,282.00   3,443.20   493.44   627,266.40   788,200.07   32.72161156   -103.4978234   12,500 00   90.00   359.48   9,282.00   3,443.20   493.44   627,666.47   789,280.16   32.7216156   -103.4978236   12,500 00   90.00   359.48   9,282.00   3,443.20   493.46   627,666.47   789,280.16   32.72216155   -103.4978236   13,000 00   90.00   359.48   9,282.00   3,643.19   495.51   627,666.47   789,286.14   32.722216155   -103.4978236   13,000 00   90.00   359.48   9,282.00   3,443.20   495.14   496.16   627,666.47   789,286.14   32.72221055   -103.4978236   13,000 00   90.00   359.48   9,282.00   3,443.16   496.92   627,666.47   789,286.15   32.72236045   -103.4978236   13,000 00   90.00   359.48   9,282.00   3,443.16   496.92   627,666.47   789,286.55   32.72336045   -103.4978236   13,000 00   90.00   359.48   9,282.00   3,443.16   496.92   627,666.47   789,286.55   32.72336045   -103.4978236   13,000 00   90.00   359.48   9,282.00   4,433.16   -469.02   627,666.47   789,286.55   32.72336045   -103.4978236   -103.4978236   -103.4978236   -103.4978236   -103.4978236   -103.4978236   -103.4978236   -103.4978236   -103.4978236   -103.4978236   -103.4978236   -103.4978236   -103.4978236   -103.4978236	11,800.00	90.00	359.48	9,282.00	2,443.24	-485.21	626,366.52	798,298.31	32.71913773	-103.49782093
12,000.00 90.00 389.48 9,282.00 2,743.33 487.04 628.566.52 798.286.48 32.71986727 103.4978271 12,200.00 90.00 380.48 9,282.00 2,743.23 487.95 628.666.51 798.286.56 32.7203712 103.4978225 12,300.00 90.00 380.48 9,282.00 2,943.22 489.78 628.666.51 798.281.55 32.7203712 103.4978225 12,500.00 90.00 380.48 9,282.00 3,43.22 489.78 627.066.50 798.282.63 22.72057881 103.4978226 12,500.00 90.00 380.48 9,282.00 3,43.21 491.61 62.706.50 798.282.63 22.72057881 103.4978226 12,500.00 90.00 380.48 9,282.00 3,343.21 491.65 62.706.50 798.282.80 22.72138561 103.4978246 12,500.00 90.00 380.48 9,282.00 3,343.20 494.36 627.266.49 798.290.90 32.72138561 103.4978246 12,500.00 90.00 380.48 9,282.00 3,343.20 494.36 627.266.49 798.290.90 32.72138561 103.4978246 12,500.00 90.00 380.48 9,282.00 3,343.30 494.36 627.366.48 798.289.16 32.72181613 103.4978246 13,000.00 90.00 380.48 9,282.00 3,543.31 495.69 19 627.566.47 798.287.33 32.72245950 103.4978256 13,000.00 90.00 380.48 9,282.00 3,543.31 496.19 627.566.47 798.287.33 32.72245950 103.4978256 13,200.00 90.00 380.48 9,282.00 3,743.31 495.19 627.566.47 798.285.33 32.72245950 103.4978256 13,300.00 90.00 380.48 9,282.00 3,743.31 496.19 627.566.47 798.285.33 32.72245950 103.4978256 13,300.00 90.00 380.48 9,282.00 3,943.18 498.90 627.566.47 798.285.59 32.72251656 103.4978257 13,500.00 90.00 350.48 9,282.00 3,943.18 498.90 627.566.47 798.285.48 32.72236045 103.4978257 13,500.00 90.00 350.48 9,282.00 4,43.17 501.68 628.566.45 798.281.48 32.72364969 103.4978257 13,500.00 90.00 350.48 9,282.00 4,43.15 500.53 46.89 62.89 6	· ·		359.48		2,543.24	-486.12				-103.49782134
12,100.00 90.00 359.48 9,282.00 2,843.22 488.87 626.866.51 798,295.65 32,71986227 103.4978221 12,300.00 90.00 359.48 9,282.00 2,843.22 488.87 626.866.50 798,293.73 32,7203712 103.4978228 12,400.00 90.00 359.48 9,282.00 3,043.22 489.70 626.866.50 798,293.73 32,720767861 103.4978228 12,500.00 90.00 359.48 9,282.00 3,043.21 491.61 627,066.50 798,293.23 22,7216866 103.4978238 12,800.00 90.00 359.48 9,282.00 3,243.21 491.61 627,066.50 798,293.27 27 27 27 27 27 27 27 27 27 27 27 27 2	· ·									-103.49782175
12,200.00 90.00 359.48 9,282.00 2,943.22 489.76 626.766.51 798,229.37 32.72051197 103.4978225 12,400.00 90.00 359.48 9,282.00 3,143.21 491.61 62.62.666.50 798,229.82 32.72076861 103.4978224 12,500.00 90.00 359.48 9,282.00 3,143.21 491.61 62.53 627.666.50 798,229.82 32.721076661 103.4978234 12,500.00 90.00 359.48 9,282.00 3,343.20 494.36 627.666.47 798,229.09 32.72133651 103.4978242 12,700.00 90.00 359.48 9,282.00 3,343.20 494.36 627.666.47 798,229.09 32.72133651 103.4978242 12,700.00 90.00 359.48 9,282.00 3,443.20 494.36 627.666.47 798,229.09 32.72133651 103.4978243 12,800.00 90.00 359.48 9,282.00 3,543.31 492.53 627.666.47 798,229.09 32.72133651 103.4978245 13,000.00 90.00 359.48 9,282.00 3,543.31 492.53 627.666.47 798,229.14 32.72716105 103.4978253 13,000.00 90.00 359.48 9,282.00 3,543.19 495.17 627.666.47 798,229.14 32.727216105 103.4978253 13,000.00 90.00 359.48 9,282.00 3,543.19 495.17 62.7666.47 798,229.14 32.722716105 103.4978253 13,000.00 90.00 359.48 9,282.00 3,443.19 495.10 627.666.47 798,229.14 32.722716105 103.4978253 13,000.00 90.00 359.48 9,282.00 3,443.18 489.02 627.666.47 798,229.14 32.72224559 103.4978253 13,000.00 90.00 359.48 9,282.00 3,443.18 489.02 627.666.47 798,229.14 32.72224559 103.4978253 13,000.00 90.00 359.48 9,282.00 3,443.18 489.02 627.666.47 798,229.14 32.72224559 103.4978275 13,000.00 90.00 359.48 9,282.00 4,443.17 500.76 628.666.46 798,229.18 32.72245694 103.4978275 13,500.00 90.00 359.48 9,282.00 4,443.15 500.66 628.666.45 798,229.25 32.72245694 103.4978275 13,500.00 90.00 359.48 9,282.00 4,443.15 500.66 628.666.45 798,229.25 32.72246399 103.4978275 13,500.00 90.00 359.48 9,282.00 4,443.15 500.62 628.666.45 798,229.25 32.72463499 103.4978275 13,500.00 90.00 359.48 9,282.00 4,443.15 500.62 628.666.45 798,229.25 32.72463499 13.03.4978275 13,500.00 90.00 359.48 9,282.00 4,443.15 500.62 628.666.45 798,229.25 32.72463499 13.03.4978275 13,500.00 90.00 359.48 9,282.00 4,443.15 500.62 628.666.45 798,229.00 32.72463699 13.03.4978275 13,500.00 90.00 359.48 9,282.00 4,443.15 500.62 628.66	· ·		359.48			-487.95			32.71996227	-103.49782217
12,400.00 90.00 359.48 9,282.00 3,143.22 490.70 626,966.50 798,224.82 32.72078681 103.4978238 12,500.00 90.00 359.48 9,282.00 3,143.20 493.44 675.30 627,166.40 768,290.99 32.72136861 103.4978238 12,700.00 90.00 359.48 9,282.00 3,243.21 491.61 672,766.64 768,290.99 32.72136861 103.4978238 12,800.00 90.00 359.48 9,282.00 3,243.21 491.64 672,266.64 768,290.99 32.72136861 103.4978234 12,800.00 90.00 359.48 9,282.00 3,343.20 493.44 873.68 873.88 873.88 873.88 16 32.72168621 103.4978236 12,900.00 90.00 359.48 9,282.00 3,443.20 493.66 627,566.47 768,287.63 32.72216105 103.4978254 13,000.00 90.00 359.48 9,282.00 3,443.10 498.27 67.766.47 7782,285.50 32.72226550 103.4978254 13,000.00 90.00 359.48 9,282.00 3,443.18 498.20 627,766.47 7782,285.50 32.72226550 103.4978254 13,000.00 90.00 359.48 9,282.00 3,443.18 498.00 627,666.47 7782,285.50 32.7223550 103.4978254 13,000.00 90.00 359.48 9,282.00 4,043.17 498.85 627,666.47 7782,285.50 32.7223550 103.4978257 13,000.00 90.00 359.48 9,282.00 4,043.17 498.85 627,666.47 798,283.50 22.7224550 103.4978257 13,000.00 90.00 359.48 9,282.00 4,043.17 498.85 627,666.47 798,285.75 32.72355129 103.4978275 13,000.00 90.00 359.48 9,282.00 4,043.17 498.85 627,666.47 798,285.75 32.7235614 103.4978258 13,000.00 90.00 359.48 9,282.00 4,043.17 498.85 627,666.44 798,280.50 22.72455981 103.4978259 13,000.00 90.00 359.48 9,282.00 4,043.17 50.75 628,666.43 798,281.57 32.72455981 103.4978259 13,000.00 90.00 359.48 9,282.00 4,433.16 50.25 628,666.43 798,278.69 22.72455981 103.4978259 13,000.00 90.00 359.48 9,282.00 4,433.16 50.25 628,666.43 798,278.69 22.72455981 103.4978259 13,000.00 90.00 359.48 9,282.00 4,433.16 50.25 628,666.43 798,278.69 22.72454598 103.4978269 13,000.00 90.00 359.48 9,282.00 4,433.16 50.25 628,666.43 798,278.69 22.72454598 103.4978269 13,000.00 90.00 359.48 9,282.00 4,433.16 50.62 628,666.43 798,278.69 22.72454598 103.4978269 13,000.00 90.00 359.48 9,282.00 4,433.16 50.62 628,666.43 798,278.59 92.227265698 103.497836 11,000.00 90.00 359.48 9,282.00 4,443.16 50.62 50.62 628,666.43	12,200.00	90.00	359.48	9,282.00	2,843.22	-488.87	626,766.51	798,294.65	32.72023712	-103.49782258
12,500.00 90.00 359.48 9,282.00 3,143.21 491.61 627,066.50 798.291.90 32.72136166 1.03.4978242 12,700.00 90.00 359.48 9,282.00 3,432.01 492.53 627,166.64 798.290.07 32.72181136 1.03.4978242 12,700.00 90.00 359.48 9,282.00 3,432.01 494.36 627,366.48 798.290.07 32.72181136 1.03.4978245 12,800.00 90.00 359.48 9,282.00 3,453.19 498.27 627,466.48 798.280.24 32.72218105 1.03.4978256 13,000.00 90.00 359.48 9,282.00 3,743.19 499.10 627,666.47 798.286.24 32.72218105 1.03.4978256 13,000.00 90.00 359.48 9,282.00 3,743.19 499.10 627,666.47 798.285.50 32.7228550 1.03.4978256 13,000.00 90.00 359.48 9,282.00 3,743.19 499.10 627,666.47 798.285.50 32.72285500 1.03.4978256 13,000.00 90.00 359.48 9,282.00 3,743.19 499.10 627,666.47 798.285.50 32.72285500 1.03.4978257 13,000.00 90.00 359.48 9,282.00 3,743.18 498.93 627,666.47 6798.285.50 32.72285500 1.03.4978275 13,000.00 90.00 359.48 9,282.00 3,443.18 498.93 627,666.47 6798.285.50 32.72285500 1.03.4978275 13,500.00 90.00 359.48 9,282.00 4,143.17 5.500.76 628,066.45 798.282.57 32.7235529 1.03.4978275 13,500.00 90.00 359.48 9,282.00 4,143.17 5.500.76 628,066.45 798.282.57 32.7235529 1.03.4978275 13,500.00 90.00 359.48 9,282.00 4,143.17 5.500.76 628,066.45 798.281.84 32.72408499 1.03.4978278 13,500.00 90.00 359.48 9,282.00 4,143.17 5.500.76 628,066.45 798.280.50 32.72355529 1.03.4978278 13,500.00 90.00 359.48 9,282.00 4,143.17 5.500.76 628,066.45 798.280.50 32.7235558 1.03.4978289 13,500.00 90.00 359.48 9,282.00 4,143.17 5.500.76 628,066.45 798.280.50 32.7245988 1.03.4978289 13,500.00 90.00 359.48 9,282.00 4,143.17 5.500.76 628,066.45 798.280.50 32.7245988 1.03.4978289 13,500.00 90.00 359.48 9,282.00 4,143.17 5.500.76 628,066.45 798.280.50 32.72545984 1.03.4978289 13,500.00 90.00 359.48 9,282.00 4,143.17 5.500.76 628,066.45 798.280.50 32.72545984 1.03.4978289 13,500.00 90.00 359.48 9,282.00 4,143.14 5.500.55 628,666.45 798.280.50 32.72545898 1.03.4978289 14,000.00 90.00 359.48 9,282.00 4,143.14 5.500.55 628,666.45 798.280.50 32.72545898 1.03.4978289 11,03.4978289 11,03.4978289 11,03	12,300.00	90.00	359.48	9,282.00	2,943.22	-489.78	626,866.50	798,293.73	32.72051197	-103.49782299
12,600.00 90.00 359.48 9,282.00 3,243.21 492.53 627,166.44 798,290.99 32,72133651 103.4978245 12,800.00 90.00 359.48 9,282.00 3,443.20 493.48 627,366.48 798,289.07 32,7216105 1-03.4978245 12,800.00 90.00 359.48 9,282.00 3,443.20 494.36 627,366.48 798,289.07 32,7216105 1-03.4978245 13,000.00 90.00 359.48 9,282.00 3,443.19 496.19 627,666.47 798,267.33 32,72243590 1-03.4978256 13,000.00 90.00 359.48 9,282.00 3,443.19 496.19 627,666.47 798,266.41 32,72221075 1-03.4978257 13,000.00 90.00 359.48 9,282.00 3,443.16 498.02 627,666.47 798,266.41 32,72221075 1-03.4978257 13,000.00 90.00 359.48 9,282.00 3,443.16 498.02 627,666.47 798,266.41 32,72221075 1-03.4978257 13,000.00 90.00 359.48 9,282.00 4,443.17 499.85 627,666.47 798,265.49 32,72356045 1-03.4978257 13,500.00 90.00 359.48 9,282.00 4,443.17 499.85 627,666.47 798,285.57 32,72356045 1-03.4978257 13,500.00 90.00 359.48 9,282.00 4,443.17 500.76 628,066.45 798,283.67 23,72355529 1-03.4978257 13,500.00 90.00 359.48 9,282.00 4,443.17 500.76 628,066.45 798,283.67 32,72361014 1-03.4978258 13,700.00 90.00 359.48 9,282.00 4,443.17 501.68 628,166.45 798,283.67 32,72361014 1-03.4978251 13,800.00 90.00 359.48 9,282.00 4,433.16 502.59 628,266.45 798,283.67 32,72361014 1-03.4978251 13,800.00 90.00 359.48 9,282.00 4,433.16 502.59 628,266.45 798,283.69 23,72435984 1-103.4978251 13,900.00 90.00 359.48 9,282.00 4,453.15 500.59 628,266.45 798,283.69 23,72435984 1-103.4978251 13,900.00 90.00 359.48 9,282.00 4,453.15 500.59 628,266.45 798,278.59 23,72455984 1-103.4978251 14,000.00 90.00 359.48 9,282.00 4,453.15 500.42 628,666.43 798,276.59 32,72455984 1-103.4978251 14,000.00 90.00 359.48 9,282.00 4,453.15 500.42 628,666.43 798,276.59 32,72455984 1-103.4978251 14,000.00 90.00 359.48 9,282.00 4,453.15 500.42 628,666.43 798,276.55 32,725573698 1-103.4978351 14,000.00 90.00 359.48 9,282.00 4,453.15 500.42 628,666.43 798,276.55 32,72563347 1-103.4978351 14,000.00 90.00 359.48 9,282.00 4,453.15 500.42 628,666.43 798,276.55 32,72563347 1-103.4978351 14,000.00 90.00 359.48 9,282.00 4,453.15 500.	12,400.00	90.00	359.48	9,282.00	3,043.22	-490.70	626,966.50	798,292.82	32.72078681	-103.49782340
12,700.00   90.00   359.48   9,282.00   3,343.20   494.36   627,366.48   738,289.16   32,7216136   -103,4978259   12,900.00   90.00   359.48   9,282.00   3,543.19   495.27   627,466.48   738,285.24   32,72216105   -103,4978259   13,000.00   90.00   359.48   9,282.00   3,443.19   496.19   627,566.47   738,285.33   32,72224599   -103,4978258   13,000.00   90.00   359.48   9,282.00   3,443.19   496.19   627,566.47   738,285.33   32,72224599   -103,4978258   13,000.00   90.00   359.48   9,282.00   3,443.18   497.10   627,666.47   738,285.53   32,72296560   -103,4978258   13,000.00   90.00   359.48   9,282.00   3,443.18   499.10   627,666.47   738,285.53   32,72296560   -103,4978258   13,000.00   90.00   359.48   9,282.00   4,043.17   -499.85   627,966.46   738,285.57   32,7239104   -103,4978275   13,500.00   90.00   359.48   9,282.00   4,443.17   -500.76   622,066.45   738,285.57   32,7239104   -103,4978275   13,500.00   90.00   359.48   9,282.00   4,243.17   -501.66   622,066.45   738,286.92   32,72469499   -103,4978278   13,800.00   90.00   359.48   9,282.00   4,443.16   -502.59   622,266.45   738,289.92   32,72469499   -103,4978278   13,800.00   90.00   359.48   9,282.00   4,443.16   -503.51   628,366.44   738,280.01   32,72469499   -103,4978278   13,800.00   90.00   359.48   9,282.00   4,443.16   -503.51   628,366.44   738,270.09   32,72469499   -103,4978239   14,000.00   90.00   359.48   9,282.00   4,443.15   -504.42   628,466.45   738,280.01   32,72469499   -103,4978239   14,000.00   90.00   359.48   9,282.00   4,443.15   -504.42   628,466.43   738,277.66   32,7254969   -103,4978239   14,000.00   90.00   359.48   9,282.00   4,543.15   -504.42   628,466.43   738,277.66   32,7254969   -103,4978239   14,000.00   90.00   359.48   9,282.00   5,443.13   -509.00   628,666.43   738,277.66   32,7254969   -103,4978239   14,000.00   90.00   359.48   9,282.00   5,443.14   -506.86   628,866.43   738,277.66   32,7254969   -103,4978349   14,000.00   90.00   359.48   9,282.00   5,443.14   -506.86   628,866.43   738,277.66	12,500.00	90.00	359.48	9,282.00	3,143.21	-491.61	627,066.50	798,291.90	32.72106166	-103.49782381
12,000.00   90.00   359.48   9,282.00   3,443.20   494.36   627,366.48   788,289.16   32,72186621   -103,4978264   13,000.00   90.00   359.48   9,282.00   3,643.19   496.19   627,666.47   798,287.33   32,72245500   -103,4978264   13,000.00   90.00   359.48   9,282.00   3,443.18   499.02   627,666.47   798,286.51   32,72245500   -103,4978262   13,000.00   90.00   359.48   9,282.00   3,943.18   499.02   627,766.47   798,286.55   32,72259650   -103,4978267   13,000.00   90.00   359.48   9,282.00   3,943.18   499.02   627,766.47   798,286.59   32,72259650   -103,4978267   13,500.00   90.00   359.48   9,282.00   4,143.17   590.66   629,666.45   798,286.59   32,7235045   -103,4978267   13,500.00   90.00   359.48   9,282.00   4,143.17   590.66   629,166.45   798,286.18   32,7235045   -103,4978267   13,500.00   90.00   359.48   9,282.00   4,343.16   -500.59   628,066.45   798,286.18   32,7235044   -103,4978263   13,700.00   90.00   359.48   9,282.00   4,343.16   -500.59   628,266.45   798,280.18   32,7245694   -103,4978263   13,900.00   90.00   359.48   9,282.00   4,343.16   -500.59   628,266.45   798,280.18   32,72456949   -103,4978263   13,900.00   90.00   359.48   9,282.00   4,543.15   -504.42   628,466.44   798,279.99   32,72456949   -103,4978263   14,000.00   90.00   359.48   9,282.00   4,443.14   -506.25   628,666.45   798,280.13   23,72456949   -103,4978263   14,000.00   90.00   359.48   9,282.00   4,443.14   -506.25   628,666.43   798,276.35   32,72516439   -103,4978263   14,000.00   90.00   359.48   9,282.00   4,443.14   -506.25   628,666.43   798,276.43   32,72516439   -103,4978263   14,000.00   90.00   359.48   9,282.00   4,431.14   -506.25   628,666.43   798,276.43   32,72516439   -103,4978304   14,000.00   90.00   359.48   9,282.00   5,443.13   -509.00   629,666.43   798,276.43   32,72516439   -103,4978304   14,000.00   90.00   359.48   9,282.00   5,443.14   -506.25   628,666.43   798,276.43   32,72566377   -103,4978304   14,000.00   90.00   359.48   9,282.00   5,443.13   -509.60   628,666.42   798,276.4	12,600.00	90.00	359.48	9,282.00	3,243.21	-492.53	627,166.49	798,290.99	32.72133651	-103.49782423
12,000.00   90.00   359 48   9,282.00   3,543.19   496.19   627,566.47   798,285.23   32,722,16105   -103,4978258   13,100.00   90.00   359 48   9,282.00   3,743.19   497.10   627,666.47   798,286.41   32,722,71075   -103,4978258   13,200.00   90.00   359 48   9,282.00   3,843.18   498.02   627,766.47   798,285.50   32,722,966.50   -103,4978258   13,400.00   90.00   359 48   9,282.00   3,443.18   498.02   627,766.47   798,285.50   32,723,505.50   -103,4978267   13,500.00   90.00   359 48   9,282.00   4,043.17   499.85   627,966.46   798,283.67   32,723,505.29   -103,4978267   13,500.00   90.00   359 48   9,282.00   4,043.17   590.76   628,066.45   798,283.67   32,723,505.29   -103,4978267   13,500.00   90.00   359 48   9,282.00   4,243.17   500.76   628,066.45   798,281.84   32,724,06499   -103,4978267   13,500.00   90.00   359 48   9,282.00   4,243.16   500.59   628,266.45   798,281.84   32,724,06499   -103,4978267   13,500.00   90.00   359 48   9,282.00   4,443.16   500.59   628,266.45   798,281.84   32,724,06499   -103,4978267   13,500.00   90.00   359.48   9,282.00   4,443.16   500.59   628,266.45   798,281.84   32,724,06499   -103,4978267   13,500.00   90.00   359.48   9,282.00   4,443.16   500.59   628,266.45   798,281.84   32,724,06499   -103,4978267   13,500.00   90.00   359.48   9,282.00   4,443.16   500.59   628,266.44   798,270.09   32,724,09053   -103,4978269   14,000.00   90.00   359.48   9,282.00   4,643.15   504.42   628,466.44   798,270.09   32,724,09053   -103,4978269   14,000.00   90.00   359.48   9,282.00   4,443.14   506.25   628,666.43   798,277.26   32,725,43923   -103,4978308   14,000.00   90.00   359.48   9,282.00   4,443.14   506.25   628,666.43   798,277.26   32,725,43923   -103,4978308   14,000.00   90.00   359.48   9,282.00   5,43.14   -506.25   628,666.43   798,277.26   32,725,43923   -103,4978308   14,000.00   90.00   359.48   9,282.00   5,443.14   -506.25   628,666.43   798,277.53   32,725,43923   -103,4978308   14,000.00   90.00   359.48   9,282.00   5,443.11   510.60   629,666	12,700.00	90.00	359.48	9,282.00	3,343.20	-493.44	627,266.49	798,290.07	32.72161136	-103.49782464
13,000.00   90.00   359.48   9,282.00   3,643.19   496.19   627,666.47   798,286.41   32,7271075   103,4978256   133,200.00   90.00   359.48   9,282.00   3,943.18   498.02   627,766.47   798,285.50   32,72288560   -103,4978256   133,000.00   90.00   359.48   9,282.00   3,943.18   498.02   627,866.46   798,284.58   32,7238645   -103,4978257   13,800.00   90.00   359.48   9,282.00   4,043.17   499.85   627,966.46   798,284.58   32,72358529   -103,4978277   13,800.00   90.00   359.48   9,282.00   4,143.17   -500.76   628,066.45   798,282.76   32,72358529   -103,4978278   13,800.00   90.00   359.48   9,282.00   4,343.16   -502.59   628,266.45   798,280.18   32,72468499   -103,4978258   13,800.00   90.00   359.48   9,282.00   4,343.16   -502.59   628,266.45   798,280.00   32,72463469   -103,4978259   13,800.00   90.00   359.48   9,282.00   4,343.16   -502.59   628,266.45   798,280.00   32,72463469   -103,4978259   13,800.00   90.00   359.48   9,282.00   4,543.15   -504.42   628,466.44   798,279.09   32,72496369   -103,4978259   14,000.00   90.00   359.48   9,282.00   4,643.15   -505.34   628,666.43   798,278.18   32,7258438   -103,4978259   14,000.00   90.00   359.48   9,282.00   4,743.14   -506.25   628,666.43   798,277.26   32,72545923   -103,4978304   14,000.00   90.00   359.48   9,282.00   4,843.14   -506.25   628,666.43   798,277.26   32,72545923   -103,4978304   14,000.00   90.00   359.48   9,282.00   4,843.14   -508.05   628,666.43   798,277.26   32,72545923   -103,4978304   14,000.00   90.00   359.48   9,282.00   5,443.13   -508.06   628,666.43   798,277.26   32,72573408   -103,4978304   14,000.00   90.00   359.48   9,282.00   5,443.13   -508.06   628,666.43   798,277.63   32,7258347   -103,4978304   14,000.00   90.00   359.48   9,282.00   5,443.13   -508.06   628,666.43   798,277.63   32,7258347   -103,4978316   14,000.00   90.00   359.48   9,282.00   5,443.13   -508.06   628,666.43   798,277.63   32,7258347   -103,4978316   14,000.00   90.00   359.48   9,282.00   5,443.13   -508.06   628,666.43   798,275	12,800.00	90.00	359.48	9,282.00	3,443.20	-494.36	627,366.48	798,289.16	32.72188621	-103.49782505
13,00.00   90.00   359.48   9,282.00   3,743.19   -497.10   627.666.47   798,286.45   32.72271075   -103.4978265   13,300.00   90.00   359.48   9,282.00   3,943.18   -498.93   627.866.46   798,284.58   32.72328045   -103.4978267   13,400.00   90.00   359.48   9,282.00   4,043.17   -499.85   627.966.46   798,283.67   32.72353529   -103.4978267   13,500.00   90.00   359.48   9,282.00   4,443.17   -501.68   628,166.45   798,281.64   32.72408499   -103.4978278   13,000.00   90.00   359.48   9,282.00   4,243.17   -501.68   628,166.45   798,281.64   32.72408499   -103.4978283   13,700.00   90.00   359.48   9,282.00   4,443.16   -502.59   628,666.45   798,280.90   32.72453894   -103.4978281   13,000.00   90.00   359.48   9,282.00   4,443.16   -503.51   628,366.44   798,280.00   32.72463849   -103.4978281   13,000.00   90.00   359.48   9,282.00   4,443.16   -503.51   628,366.44   798,270.00   32.72463849   -103.4978291   14,000.00   90.00   359.48   9,282.00   4,443.15   -505.34   628,566.43   798,270.00   32.72463849   -103.4978291   14,000.00   90.00   359.48   9,282.00   4,431.14   -506.25   628,666.43   798,277.26   32.72545923   -103.4978294   14,000.00   90.00   359.48   9,282.00   4,431.14   -506.25   628,666.43   798,277.26   32.72545923   -103.4978304   14,000.00   90.00   359.48   9,282.00   4,431.14   -506.25   628,666.43   798,277.26   32.72565862   -103.4978304   14,000.00   90.00   359.48   9,282.00   4,943.14   -506.25   628,666.42   798,276.35   32.72579408   -103.4978304   14,000.00   90.00   359.48   9,282.00   5,433.13   -509.91   629,666.41   798,276.63   32.72565862   -103.4978304   14,000.00   90.00   359.48   9,282.00   5,433.13   -509.91   629,666.41   798,276.63   32.72568586   -103.4978304   14,000.00   90.00   359.48   9,282.00   5,433.13   -509.91   629,666.41   798,271.60   32.72683347   -103.4978304   14,000.00   90.00   359.48   9,282.00   5,433.13   -509.91   629,666.41   798,271.60   32.72683347   -103.4978304   14,000.00   90.00   359.48   9,282.00   5,433.13   -509.91   629,666.41	12,900.00	90.00	359.48	9,282.00	3,543.19	-495.27	627,466.48	798,288.24	32.72216105	-103.49782546
13,200.00       90.00       359.48       9,282.00       3,843.18       -498.93       627,866.46       798,285.50       32,72268560       -103,4978267         13,300.00       90.00       359.48       9,282.00       3,943.18       -498.93       627,866.46       798,283.67       32,72360452       -103,4978275         13,500.00       90.00       359.48       9,282.00       4,143.17       -500.76       628,066.45       798,282.75       32,72381014       -103,4978278         13,500.00       90.00       359.48       9,282.00       4,243.17       -501.68       628,166.45       798,282.18       42,272408499       -103,4978283         13,500.00       90.00       359.48       9,282.00       4,443.16       -502.59       628,266.45       798,280.90       32,72459849       -103,4978287         13,500.00       90.00       359.48       9,282.00       4,543.15       -504.42       628,466.44       798,279.09       32,72459696       -103,4978287         14,000.00       90.00       359.48       9,282.00       4,643.15       -505.54       628,666.43       798,276.18       32,72545969       -103,4978295         14,000.00       90.00       359.48       9,282.00       4,431.41       -506.25       628,666.43	13,000.00									-103.49782587
13,300,00   90,00   359,48   9,282,00   4,043,17   -499,85   627,966,46   798,284,58   32,72356045   -103,4978275   13,500,00   90,00   359,48   9,282,00   4,143,17   -500,76   628,666,45   798,281,84   32,72468499   -103,4978278   13,700,00   90,00   359,48   9,282,00   4,243,17   -501,68   628,166,45   798,281,84   32,72468499   -103,49782838   13,700,00   90,00   359,48   9,282,00   4,43,16   -503,51   628,366,45   798,281,84   32,72468499   -103,49782838   13,800,00   90,00   359,48   9,282,00   4,43,16   -503,51   628,366,44   798,280,01   32,72453649   -103,49782831   13,900,00   90,00   359,48   9,282,00   4,643,15   -504,42   628,466,44   798,280,01   32,72453649   -103,4978291   14,000,00   90,00   359,48   9,282,00   4,643,15   -505,34   628,566,43   798,277,69   32,72459534   -103,4978304   14,200,00   90,00   359,48   9,282,00   4,43,14   -506,25   628,666,43   798,277,26   32,72573649   -103,4978304   14,200,00   90,00   359,48   9,282,00   4,43,14   -506,25   628,666,43   798,277,26   32,7257369   -103,4978304   14,200,00   90,00   359,48   9,282,00   4,43,14   -508,08   628,866,42   798,275,63   32,72659652   -103,4978312   14,400,00   90,00   359,48   9,282,00   5,43,13   -509,00   628,866,42   798,275,43   32,7260992   -103,4978312   14,600,00   90,00   359,48   9,282,00   5,43,12   -510,83   629,166,41   798,272,69   32,72653347   -103,4978324   14,700,00   90,00   359,48   9,282,00   5,43,12   -510,83   629,166,41   798,272,69   32,72653862   -103,4978324   14,700,00   90,00   359,48   9,282,00   5,43,12   -510,83   629,166,41   798,272,69   32,72653662   -103,4978332   14,800,00   90,00   359,48   9,282,00   5,43,12   -510,83   629,166,41   798,272,69   32,72653862   -103,4978332   14,800,00   90,00   359,48   9,282,00   5,43,12   -510,83   629,166,41   798,272,69   32,72763834   -103,4978353   15,000,00   90,00   359,48   9,282,00   5,43,11   -514,59   629,666,39   798,266,99   32,7276,956   -103,4978334   15,500,00   90,00   359,48   9,282,00   5,43,11   -514,59   629,666,39   798,266,99										-103.49782629
13,400.00       90.00       359,48       9,282.00       4,043.17       -499.85       627,966.46       798,283.67       32,723535229       -103,4978275         13,500.00       90.00       359.48       9,282.00       4,243.17       -500.76       628,066.45       798,281.84       32,72408499       -103,49782875         13,000.00       90.00       359.48       9,282.00       4,343.16       -502.59       628,266.45       798,280.91       32,72459849       -103,4978291         13,000.00       90.00       359.48       9,282.00       4,443.16       -503.51       628,366.44       798,278.09       32,72459849       -103,4978291         14,000.00       90.00       359.48       9,282.00       4,543.15       -504.42       628,466.44       798,278.09       32,72459695       -103,4978295         14,000.00       90.00       359.48       9,282.00       4,643.15       -505.53       628,566.43       798,276.35       32,72545923       -103,4978295         14,000.00       90.00       359.48       9,282.00       4,743.14       -506.25       628,666.43       798,276.35       32,72545923       -103,4978304         14,000.00       90.00       359.48       9,282.00       5,043.13       -509.02       628,766.42								,		-103.49782670
13,500.00 90.00 359.48 9,282.00 4,143.17 -500.76 628,066.45 798,282.75 32,72381014 -103.4978228 13,700.00 90.00 359.48 9,282.00 4,343.16 -502.59 628,266.45 798,280.01 32,72463469 -103.4978281 13,800.00 90.00 359.48 9,282.00 4,343.16 -503.51 628,366.44 798,280.01 32,72463469 -103.4978281 13,800.00 90.00 359.48 9,282.00 4,443.16 -503.51 628,366.44 798,280.01 32,72463469 -103.4978281 14,000.00 90.00 359.48 9,282.00 4,643.15 -505.34 628,566.43 798,279.09 32,72469953 -103.4978205 14,000.00 90.00 359.48 9,282.00 4,643.15 -505.34 628,566.43 798,277.26 32,72545923 -103.4978305 14,000.00 90.00 359.48 9,282.00 4,843.14 -506.25 628,666.43 798,277.26 32,72545923 -103.4978305 14,300.00 90.00 359.48 9,282.00 4,843.14 -506.08 628,666.42 798,276.35 32,72545923 -103.4978305 14,300.00 90.00 359.48 9,282.00 4,943.14 -508.08 628,866.42 798,276.35 32,72565962 -103.4978312 14,600.00 90.00 359.48 9,282.00 5,043.13 -509.90 628,866.42 798,275.43 32,72600892 -103.4978312 14,600.00 90.00 359.48 9,282.00 5,043.13 -509.90 628,866.42 798,275.43 32,72600892 -103.4978316 14,600.00 90.00 359.48 9,282.00 5,343.12 -510.83 629,166.41 798,272.69 32,7265862 -103.4978326 14,600.00 90.00 359.48 9,282.00 5,343.12 -510.83 629,166.41 798,272.69 32,7265862 -103.4978328 14,800.00 90.00 359.48 9,282.00 5,343.12 -511.64 629,266.40 798,271.77 32,72710832 -103.4978328 14,800.00 90.00 359.48 9,282.00 5,343.12 -511.64 629,266.40 798,271.77 32,72710832 -103.4978328 14,800.00 90.00 359.48 9,282.00 5,343.11 -514.49 629,666.39 798,269.94 32,72765861 -103.49783349 15,000.00 90.00 359.48 9,282.00 5,443.11 -514.49 629,666.39 798,269.03 32,72765861 -103.49783349 15,000.00 90.00 359.48 9,282.00 5,643.11 -514.49 629,666.39 798,269.03 32,72765861 -103.4978349 15,000.00 90.00 359.48 9,282.00 5,643.11 -514.49 629,666.39 798,269.03 32,7279366 -103.4978349 15,000.00 90.00 359.48 9,282.00 5,643.11 -516.62 629,366.60 798,269.03 32,7279366 -103.4978349 15,000.00 90.00 359.48 9,282.00 5,643.11 -516.69 629,366.63 798,269.20 32,72793661 -103.4978349 15,000.00 90.00 359.48 9,282.00					,					
13,600.00 90.00 359.48 9.282.00 4.243.17 501.68 628,166.45 798,281.84 32,72408499 -103.4978287 13,800.00 90.00 359.48 9.282.00 4.343.16 -502.59 628,266.45 798,280.92 32,7245984 -103.4978287 13,800.00 90.00 359.48 9.282.00 4.443.16 -503.51 628,366.44 798,279.09 32,7249095 -103.4978291 13,900.00 90.00 359.48 9.282.00 4.743.14 -506.25 628,666.43 798,279.09 32,7249095 -103.4978291 14,100.00 90.00 359.48 9.282.00 4,743.14 -506.25 628,666.43 798,277.26 32,72545923 -103.4978304 14,200.00 90.00 359.48 9.282.00 4,743.14 -506.25 628,666.43 798,277.26 32,72545923 -103.4978304 14,200.00 90.00 359.48 9.282.00 4,43.14 -507.17 628,766.42 798,276.55 32,72573408 -103.4978304 14,200.00 90.00 359.48 9.282.00 5,43.13 -509.00 628,866.42 798,275.65 32,72573408 -103.4978314 14,000.00 90.00 359.48 9.282.00 5,143.13 -509.90 628,866.42 798,275.45 32,7266337 -103.4978312 14,400.00 90.00 359.48 9.282.00 5,143.13 -509.90 628,866.42 798,274.52 32,7266337 -103.4978324 14,700.00 90.00 359.48 9.282.00 5,143.13 -509.91 629,066.41 798,273.60 32,72565862 -103.4978324 14,700.00 90.00 359.48 9.282.00 5,143.12 -510.83 629,166.41 798,272.69 32,72683347 -103.4978324 14,800.00 90.00 359.48 9.282.00 5,143.11 -511.74 629,266.40 798,271.77 32,72710832 -103.4978324 14,800.00 90.00 359.48 9.282.00 5,143.11 -511.74 629,266.40 798,271.77 32,72710832 -103.4978324 14,800.00 90.00 359.48 9.282.00 5,143.11 -511.67 629,366.40 798,270.86 32,72765801 -103.49783324 14,800.00 90.00 359.48 9.282.00 5,143.11 -511.67 629,666.39 798,268.11 32,72620771 -103.4978334 15,000.00 90.00 359.48 9.282.00 5,143.11 -511.67 629,666.39 798,268.11 32,72648257 -103.4978334 15,000.00 90.00 359.48 9.282.00 5,143.10 -516.32 629,766.38 798,268.13 32,7293286 -103.4978345 15,000.00 90.00 359.48 9.282.00 5,143.10 -516.52 629,666.39 798,268.11 32,72648257 -103.4978345 15,000.00 90.00 359.48 9.282.00 5,143.10 -516.32 629,766.38 798,268.13 32,7293266 -103.4978345 15,000.00 90.00 359.48 9.282.00 6,143.00 -518.15 629,966.37 798,266.30 32,7293266 -103.4978345 15,000.00 90.00 359.48 9.282.00 6,143.00										
13,700.00         90.00         359.48         9,282.00         4,343.16         -502.59         628,266.45         798,280.01         32,72435884         -103.4978297           13,800.00         90.00         359.48         9,282.00         4,643.15         -503.51         628,366.44         798,279.09         32,72439953         -103.4978295           14,000.00         90.00         359.48         9,282.00         4,643.15         -505.54         628,566.43         798,277.26         32,72548923         -103.4978304           14,100.00         90.00         359.48         9,282.00         4,843.14         -507.17         628,766.42         798,277.26         32,72548923         -103.4978304           14,200.00         90.00         359.48         9,282.00         5,043.13         -509.00         628,866.42         798,276.35         32,72573408         -103.4978304           14,400.00         90.00         359.48         9,282.00         5,043.13         -509.90         628,966.42         798,276.52         32,72628937         -103.4978304           14,500.00         90.00         359.48         9,282.00         5,43.12         -511.63         629,166.41         798,274.52         32,72628347         -103.4978324           14,700.00         90	,									
13,800.00   90.00   359.48   9,282.00   4,443.16   -503.51   628,366.44   798,279.09   32,72463469   -103.4978295   14,000.00   90.00   359.48   9,282.00   4,643.15   -505.34   628,666.43   798,277.26   32,72518438   -103.4978295   14,100.00   90.00   359.48   9,282.00   4,743.14   -506.25   628,666.43   798,277.26   32,72545923   -103.4978396   14,300.00   90.00   359.48   9,282.00   4,843.14   -506.25   628,666.43   798,277.26   32,7257408   -103.4978309   14,300.00   90.00   359.48   9,282.00   4,943.14   -508.08   628,866.42   798,275.43   32,7260892   -103.4978310   14,500.00   90.00   359.48   9,282.00   5,143.13   -509.90   628,966.42   798,275.43   32,7268377   -103.4978316   14,600.00   90.00   359.48   9,282.00   5,143.13   -509.90   628,966.42   798,274.52   32,7268347   -103.4978326   14,600.00   90.00   359.48   9,282.00   5,243.12   -510.83   629.166.41   798,272.69   32,7268347   -103.4978328   14,600.00   90.00   359.48   9,282.00   5,343.12   -511.74   629,266.40   798,270.86   32,72763816   -103.4978328   14,800.00   90.00   359.48   9,282.00   5,443.12   -512.66   629,366.40   798,270.86   32,72763816   -103.4978328   14,900.00   90.00   359.48   9,282.00   5,543.11   -513.57   629,466.40   798,270.86   32,72763816   -103.49783328   14,900.00   90.00   359.48   9,282.00   5,543.11   -513.57   629,466.40   798,269.94   32,72765801   -103.49783328   15,000.00   90.00   359.48   9,282.00   5,543.11   -513.57   629,466.40   798,269.94   32,72765801   -103.49783353   15,000.00   90.00   359.48   9,282.00   5,543.11   -513.57   629,466.40   798,269.94   32,72765801   -103.4978335   15,000.00   90.00   359.48   9,282.00   5,643.11   -513.57   629,466.40   798,269.94   32,72765801   -103.4978336   15,000.00   90.00   359.48   9,282.00   5,643.11   -513.57   629,466.40   798,269.94   32,72765801   -103.4978336   15,000.00   90.00   359.48   9,282.00   6,443.07   -515.40   629,666.39   798,266.37   32,72903255   -103.4978336   15,000.00   90.00   359.48   9,282.00   6,443.07   -515.40   629,666.39	· ·							,		
13,900.00   90.00   359.48   9,282.00   4,543.15   -504.42   628,466.44   798,279.09   32,72490953   -103,4978295   14,100.00   90.00   359.48   9,282.00   4,743.14   -506.25   628,666.43   798,277.26   32,72545923   -103,4978304   14,200.00   90.00   359.48   9,282.00   4,843.14   -506.25   628,666.42   798,277.26   32,72545923   -103,4978304   14,200.00   90.00   359.48   9,282.00   4,943.14   -508.08   628,866.42   798,275.43   32,72600892   -103,4978304   14,000.00   90.00   359.48   9,282.00   5,043.13   -509.00   628,966.42   798,275.45   32,72658662   -103,4978316   14,500.00   90.00   359.48   9,282.00   5,143.13   -509.91   629,066.41   798,273.60   32,72658662   -103,4978326   14,600.00   90.00   359.48   9,282.00   5,243.12   -511.74   629,266.40   798,271.77   32,72710832   -103,4978326   14,800.00   90.00   359.48   9,282.00   5,443.12   -511.74   629,266.40   798,271.77   32,72710832   -103,4978326   14,800.00   90.00   359.48   9,282.00   5,443.12   -512.66   629,366.40   798,270.86   32,72738316   -103,4978326   14,800.00   90.00   359.48   9,282.00   5,543.11   -514.69   629,366.40   798,270.86   32,72738316   -103,49783326   15,000.00   90.00   359.48   9,282.00   5,543.11   -514.49   629,566.39   798,269.94   32,72765801   -103,4978341   15,100.00   90.00   359.48   9,282.00   5,643.11   -514.49   629,566.39   798,269.03   32,72862771   -103,4978341   15,000.00   90.00   359.48   9,282.00   5,843.10   -516.30   629,766.39   798,269.03   32,72862771   -103,49783434   15,000.00   90.00   359.48   9,282.00   5,843.10   -516.30   629,766.39   798,269.03   32,72807711   -103,4978345   15,000.00   90.00   359.48   9,282.00   5,843.10   -516.30   629,766.39   798,269.03   32,7293286   -103,4978345   15,000.00   90.00   359.48   9,282.00   6,443.07   -518.15   629,666.39   798,261.71   32,72846255   -103,4978345   15,000.00   90.00   359.48   9,282.00   6,443.08   -518.15   629,666.39   798,261.71   32,73013164   -103,4978345   15,000.00   90.00   359.48   9,282.00   6,443.08   -526.85   630,866.37	· ·									
14,000.00         90.00         359.48         9,282.00         4,643.15         -505.34         628,566.43         798,278.18         32.72518438         -103.4978299           14,100.00         90.00         359.48         9,282.00         4,743.14         -506.25         628,666.43         798,277.63         32.72573408         1:03.4978398           14,200.00         90.00         359.48         9,282.00         4,943.14         -508.08         628,866.42         798,275.43         32.72560892         -103.4978312           14,500.00         90.00         359.48         9,282.00         5,043.13         -509.00         628,966.42         798,275.63         32.72565862         -103.4978326           14,500.00         90.00         359.48         9,282.00         5,043.13         -509.90         629,066.41         798,275.60         32.72665862         -103.4978326           14,600.00         90.00         359.48         9,282.00         5,243.12         -510.83         629,166.41         798,272.69         32.72663347         -103.4978324           14,700.00         90.00         359.48         9,282.00         5,443.12         -511.74         629,266.40         798,271.77         32.72783316         -103.4978334           14,900.00         9	•				,					
14,100.00       90.00       359.48       9,282.00       4,743.14       -506.25       628,666.43       798,277.26       32,72545923       -103,4978304         14,200.00       90.00       359.48       9,282.00       4,943.14       -508.08       628,866.42       798,275.43       32,72508922       -103,4978312         14,400.00       90.00       359.48       9,282.00       5,043.13       -509.00       628,966.42       798,274.52       32,7260892       -103,4978312         14,500.00       90.00       359.48       9,282.00       5,143.13       -509.00       628,966.42       798,274.52       32,726683377       -103,4978312         14,600.00       90.00       359.48       9,282.00       5,243.12       -510.83       629,666.41       798,271.60       32,7265367       -103,4978324         14,700.00       90.00       359.48       9,282.00       5,443.12       -511.74       629,266.40       798,271.77       32,72710832       -103,49783324         14,900.00       90.00       359.48       9,282.00       5,543.11       -513.57       629,466.40       798,270.8       32,72793316       -103,4978334         15,000.00       90.00       359.48       9,282.00       5,643.11       -514.90       629,566.39										
14,200.00         90.00         359.48         9,282.00         4,843.14         -507.17         628,766.42         798,275.35         32,72573408         -103,4978308           14,300.00         90.00         359.48         9,282.00         5,043.13         -509.00         628,866.42         798,274.52         32,72620837         -103,4978312           14,500.00         90.00         359.48         9,282.00         5,143.13         -509.91         629,066.41         798,273.60         32,72655862         -103,4978320           14,500.00         90.00         359.48         9,282.00         5,343.12         -510.83         629,166.41         798,272.69         32,72655862         -103,4978324           14,700.00         90.00         359.48         9,282.00         5,343.12         -511.74         629,266.40         798,270.86         32,72783316         -103,4978324           14,800.00         90.00         359.48         9,282.00         5,43.11         -513.57         629,466.40         798,270.86         32,72783316         -103,4978324           15,000.00         90.00         359.48         9,282.00         5,643.11         -514.49         629,566.39         798,269.03         32,7283266         -103,4978345         15,000.00         90.00 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>,</td><td></td><td></td></td<>								,		
14,300.00         90.00         359.48         9,282.00         4,943.14         -508.08         628,866.42         798,275.43         32,72600892         -103,4978312           14,400.00         90.00         359.48         9,282.00         5,143.13         -509.00         628,966.41         798,273.60         32,72658377         -103,4978316           14,600.00         90.00         359.48         9,282.00         5,243.12         -510.83         629,166.41         798,272.69         32,72658347         -103,4978326           14,600.00         90.00         359.48         9,282.00         5,343.12         -511.74         629,266.40         798,271.69         32,727658347         -103,4978326           14,800.00         90.00         359.48         9,282.00         5,443.12         -512.66         629,366.40         798,270.86         32,72785861         -103,4978332           14,900.00         90.00         359.48         9,282.00         5,643.11         -514.59         629,366.39         798,269.94         32,72785861         -103,4978332           15,000.00         90.00         359.48         9,282.00         5,643.11         -514.59         629,566.39         798,269.94         32,7286861         -103,4978349           15,200.00         9	· ·									
14,400.00       90.00       359.48       9,282.00       5,043.13       -509.00       628,966.42       798,274.52       32,72628377       -103,4978316         14,500.00       90.00       359.48       9,282.00       5,243.12       -510.83       629,166.41       798,273.60       32,72668347       -103,4978324         14,700.00       90.00       359.48       9,282.00       5,243.12       -511.74       629,266.40       798,271.77       32,72710832       -103,4978328         14,800.00       90.00       359.48       9,282.00       5,443.12       -512.66       629,366.40       798,271.77       32,72738316       -103,4978328         14,900.00       90.00       359.48       9,282.00       5,443.11       -513.67       629,466.40       798,271.77       32,72746801       -103,49783328         15,000.00       90.00       359.48       9,282.00       5,643.11       -514.49       629,566.39       798,269.03       32,7278266       -103,4978349         15,100.00       90.00       359.48       9,282.00       5,743.10       -515.40       629,666.39       798,269.03       32,72820771       -103,4978345         15,200.00       90.00       359.48       9,282.00       5,843.10       -516.32       629,766.38	•									
14,500.00       90.00       359.48       9,282.00       5,143.13       -509.91       629,066.41       798,273.60       32.72655862       -103.4978320         14,600.00       90.00       359.48       9,282.00       5,243.12       -510.83       629,166.41       798,271.77       32.72710832       -103.4978324         14,600.00       90.00       359.48       9,282.00       5,443.12       -511.66       629,366.40       798,271.86       32.72738316       -103.4978332         14,800.00       90.00       359.48       9,282.00       5,543.11       -513.57       629,466.40       798,270.86       32.72758816       -103.4978333         15,000.00       90.00       359.48       9,282.00       5,643.11       -514.49       629,566.39       798,269.03       32.72793286       -103.4978333         15,000.00       90.00       359.48       9,282.00       5,743.10       -515.40       629,666.39       798,269.03       32.72848255       -103.4978345         15,200.00       90.00       359.48       9,282.00       5,843.10       -516.32       629,766.38       798,267.20       32.72848255       -103.4978349         15,300.00       90.00       359.48       9,282.00       5,943.09       -517.23       629,666.39	· ·									
14,600.00       90.00       359.48       9,282.00       5,243.12       -510.83       629,166.41       798,272.69       32.72683347       -103.4978324         14,700.00       90.00       359.48       9,282.00       5,343.12       -511.74       629,266.40       798,271.77       32.72710832       -103.4978328         14,900.00       90.00       359.48       9,282.00       5,443.11       -513.57       629,466.40       798,269.94       32.72783316       -103.4978332         15,000.00       90.00       359.48       9,282.00       5,643.11       -513.57       629,466.40       798,269.94       32.72793286       -103.4978341         15,100.00       90.00       359.48       9,282.00       5,643.11       -515.40       629,666.39       798,269.03       32.72793286       -103.4978341         15,100.00       90.00       359.48       9,282.00       5,743.10       -516.32       629,766.38       798,266.28       32.72876740       -103.4978345         15,200.00       90.00       359.48       9,282.00       5,943.09       -517.23       629,866.38       798,266.28       32.72876740       -103.4978357         15,500.00       90.00       359.48       9,282.00       6,043.09       -519.06       630,066.37										
14,700.00       90.00       359.48       9,282.00       5,343.12       -511.74       629,266.40       798,271.77       32.72710832       -103.4978328         14,800.00       90.00       359.48       9,282.00       5,443.11       -512.66       629,366.40       798,270.86       32.72738316       -103.4978332         15,000.00       90.00       359.48       9,282.00       5,643.11       -513.57       629,666.39       798,269.03       32.72793266       -103.4978341         15,100.00       90.00       359.48       9,282.00       5,743.10       -516.40       629,566.39       798,269.03       32.72820771       -103.4978341         15,200.00       90.00       359.48       9,282.00       5,743.10       -516.40       629,666.39       798,268.11       32.72848255       -103.4978345         15,200.00       90.00       359.48       9,282.00       5,843.10       -516.32       629,766.38       798,266.20       32.72848255       -103.4978345         15,500.00       90.00       359.48       9,282.00       6,043.09       -518.15       629,966.37       798,265.37       32.7293225       -103.4978351         15,500.00       90.00       359.48       9,282.00       6,143.09       -519.06       630,066.37	· ·									
14,800.00       90.00       359.48       9,282.00       5,443.12       -512.66       629,366.40       798,270.86       32.72738316       -103.4978332         14,900.00       90.00       359.48       9,282.00       5,643.11       -513.57       629,466.40       798,269.94       32.72765801       -103.4978346         15,100.00       90.00       359.48       9,282.00       5,743.10       -515.40       629,566.39       798,269.03       32.7278286       -103.4978345         15,200.00       90.00       359.48       9,282.00       5,743.10       -516.32       629,766.38       798,267.20       32.72848255       -103.4978349         15,300.00       90.00       359.48       9,282.00       5,643.10       -516.32       629,766.38       798,267.20       32.7284255       -103.4978353         15,500.00       90.00       359.48       9,282.00       6,043.09       -517.23       629,866.38       798,265.37       32.72903225       -103.4978353         15,500.00       90.00       359.48       9,282.00       6,143.09       -519.15       629,966.37       798,265.37       32.72930710       -103.4978365         15,700.00       90.00       359.48       9,282.00       6,243.08       -519.98       630,166.37       <										
14,900.00       90.00       359.48       9,282.00       5,543.11       -513.57       629,466.40       798,269.94       32.72765801       -103.4978336         15,000.00       90.00       359.48       9,282.00       5,643.11       -514.49       629,566.39       798,269.03       32.727892286       -103.4978345         15,200.00       90.00       359.48       9,282.00       5,843.10       -515.40       629,666.39       798,268.11       32.72848255       -103.4978345         15,200.00       90.00       359.48       9,282.00       5,943.09       -517.23       629,866.38       798,266.28       32.72874525       -103.4978353         15,400.00       90.00       359.48       9,282.00       6,043.09       -518.15       629,966.37       798,266.28       32.72875740       -103.4978357         15,500.00       90.00       359.48       9,282.00       6,043.09       -518.15       629,966.37       798,264.45       32.72930710       -103.4978367         15,600.00       90.00       359.48       9,282.00       6,243.08       -519.06       630,066.37       798,263.54       32.72958194       -103.4978361         15,600.00       90.00       359.48       9,282.00       6,243.08       -519.96       630,666.37	· ·									
15,000.00       90.00       359.48       9,282.00       5,643.11       -514.49       629,566.39       798,269.03       32.72793286       -103.4978341         15,100.00       90.00       359.48       9,282.00       5,743.10       -515.40       629,666.39       798,269.01       32.728425771       -103.4978345         15,200.00       90.00       359.48       9,282.00       5,843.10       -516.32       629,766.38       798,266.28       32.72848255       -103.4978353         15,300.00       90.00       359.48       9,282.00       6,043.09       -511.51       629,966.37       798,266.28       32.72930710       -103.4978353         15,500.00       90.00       359.48       9,282.00       6,143.09       -519.06       630,066.37       798,264.45       32.72930710       -103.4978361         15,600.00       90.00       359.48       9,282.00       6,243.08       -519.98       630,166.37       798,263.54       32.72958194       -103.4978361         15,600.00       90.00       359.48       9,282.00       6,243.08       -519.98       630,266.36       798,263.54       32.72958194       -103.4978362         15,700.00       90.00       359.48       9,282.00       6,343.08       -519.98       630,266.36	· ·									
15,100.00       90.00       359.48       9,282.00       5,743.10       -515.40       629,666.39       798,268.11       32.72820771       -103.4978345         15,200.00       90.00       359.48       9,282.00       5,843.10       -516.32       629,766.38       798,267.20       32.72848255       -103.4978349         15,300.00       90.00       359.48       9,282.00       5,943.09       -517.23       629,866.38       798,266.28       32.72875740       -103.4978353         15,400.00       90.00       359.48       9,282.00       6,043.09       -518.15       629,966.37       798,265.37       32.72903225       -103.4978363         15,500.00       90.00       359.48       9,282.00       6,143.09       -519.06       630,066.37       798,263.54       32.72930710       -103.4978365         15,700.00       90.00       359.48       9,282.00       6,243.08       -519.98       630,166.37       798,263.54       32.72985679       -103.4978365         15,700.00       90.00       359.48       9,282.00       6,343.07       -521.81       630,366.36       798,262.63       32.73040649       -103.4978369         15,800.00       90.00       359.48       9,282.00       6,543.07       -522.72       630,466.35										
15,200.00       90.00       359.48       9,282.00       5,843.10       -516.32       629,766.38       798,267.20       32.72848255       -103.4978349         15,300.00       90.00       359.48       9,282.00       5,943.09       -517.23       629,866.38       798,266.28       32.72875740       -103.4978353         15,400.00       90.00       359.48       9,282.00       6,043.09       -518.15       629,966.37       798,265.37       32.72903225       -103.4978361         15,500.00       90.00       359.48       9,282.00       6,143.09       -519.06       630,066.37       798,264.45       32.729930710       -103.4978361         15,600.00       90.00       359.48       9,282.00       6,243.08       -519.98       630,166.37       798,262.63       32.72985679       -103.4978369         15,700.00       90.00       359.48       9,282.00       6,343.08       -520.89       630,266.36       798,261.63       32.72985679       -103.4978369         15,800.00       90.00       359.48       9,282.00       6,643.07       -521.81       630,366.36       798,261.71       32.73013164       -103.4978369         16,000.00       90.00       359.48       9,282.00       6,643.07       -522.72       630,466.35										
15,300.00       90.00       359.48       9,282.00       5,943.09       -517.23       629,866.38       798,266.28       32.72875740       -103.4978353         15,400.00       90.00       359.48       9,282.00       6,043.09       -518.15       629,966.37       798,265.37       32.72903225       -103.4978357         15,500.00       90.00       359.48       9,282.00       6,143.09       -519.08       630,166.37       798,263.54       32.72930710       -103.4978361         15,700.00       90.00       359.48       9,282.00       6,243.08       -519.98       630,166.37       798,263.54       32.72985679       -103.4978365         15,700.00       90.00       359.48       9,282.00       6,343.08       -520.89       630,266.36       798,262.63       32.72985679       -103.4978365         15,800.00       90.00       359.48       9,282.00       6,443.07       -521.81       630,366.36       798,262.63       32.7304649       -103.4978374         15,900.00       90.00       359.48       9,282.00       6,543.07       -522.72       630,466.35       798,260.80       32.7304649       -103.4978378         16,000.00       90.00       359.48       9,282.00       6,643.07       -522.56       630,566.35       <	,									
15,400.00       90.00       359.48       9,282.00       6,043.09       -518.15       629,966.37       798,265.37       32.72903225       -103.4978357         15,500.00       90.00       359.48       9,282.00       6,143.09       -519.06       630,066.37       798,264.45       32.72930710       -103.4978361         15,600.00       90.00       359.48       9,282.00       6,243.08       -519.98       630,166.37       798,263.54       32.72958194       -103.4978365         15,700.00       90.00       359.48       9,282.00       6,343.08       -520.89       630,266.36       798,262.63       32.72958679       -103.4978378         15,900.00       90.00       359.48       9,282.00       6,443.07       -521.81       630,366.36       798,261.71       32.73013164       -103.4978378         15,900.00       90.00       359.48       9,282.00       6,643.07       -522.72       630,466.35       798,260.80       32.73040649       -103.4978378         16,000.00       90.00       359.48       9,282.00       6,643.07       -523.64       630,566.35       798,259.88       32.73040649       -103.4978386         16,200.00       90.00       359.48       9,282.00       6,643.07       -524.55       630,666.34										
15,500.00       90.00       359.48       9,282.00       6,143.09       -519.06       630,066.37       798,264.45       32.72930710       -103.4978361         15,600.00       90.00       359.48       9,282.00       6,243.08       -519.98       630,166.37       798,263.54       32.72958194       -103.4978365         15,700.00       90.00       359.48       9,282.00       6,343.08       -520.89       630,266.36       798,262.63       32.72985679       -103.4978369         15,800.00       90.00       359.48       9,282.00       6,443.07       -521.81       630,366.36       798,261.71       32.73013164       -103.4978378         15,900.00       90.00       359.48       9,282.00       6,543.07       -522.72       630,466.35       798,260.80       32.73040649       -103.4978378         16,000.00       90.00       359.48       9,282.00       6,643.07       -522.72       630,466.35       798,259.88       32.73040649       -103.4978382         16,100.00       90.00       359.48       9,282.00       6,743.06       -524.55       630,666.35       798,258.97       32.73095618       -103.4978386         16,200.00       90.00       359.48       9,282.00       6,843.06       -525.47       630,766.34										
15,600.00       90.00       359.48       9,282.00       6,243.08       -519.98       630,166.37       798,263.54       32.72958194       -103.4978365         15,700.00       90.00       359.48       9,282.00       6,343.08       -520.89       630,266.36       798,262.63       32.72985679       -103.4978369         15,800.00       90.00       359.48       9,282.00       6,443.07       -521.81       630,366.36       798,261.71       32.73013164       -103.4978374         15,900.00       90.00       359.48       9,282.00       6,543.07       -522.72       630,466.35       798,260.80       32.73040649       -103.4978378         16,000.00       90.00       359.48       9,282.00       6,643.07       -523.64       630,566.35       798,259.88       32.73048133       -103.4978382         16,100.00       90.00       359.48       9,282.00       6,743.06       -524.55       630,666.34       798,258.97       32.73095618       -103.4978386         16,200.00       90.00       359.48       9,282.00       6,843.06       -525.47       630,766.34       798,258.05       32.73123103       -103.4978398         16,300.00       90.00       359.48       9,282.00       7,043.05       -526.38       630,866.34	· ·							,		
15,700.00       90.00       359.48       9,282.00       6,343.08       -520.89       630,266.36       798,262.63       32.72985679       -103.4978369         15,800.00       90.00       359.48       9,282.00       6,443.07       -521.81       630,366.36       798,261.71       32.73013164       -103.4978374         15,900.00       90.00       359.48       9,282.00       6,543.07       -522.72       630,466.35       798,260.80       32.73040649       -103.4978378         16,000.00       90.00       359.48       9,282.00       6,643.07       -523.64       630,566.35       798,259.88       32.73068133       -103.4978382         16,100.00       90.00       359.48       9,282.00       6,743.06       -524.55       630,666.34       798,258.97       32.73095618       -103.4978386         16,200.00       90.00       359.48       9,282.00       6,843.06       -525.47       630,766.34       798,258.05       32.73123103       -103.4978394         16,400.00       90.00       359.48       9,282.00       7,043.05       -526.38       630,866.34       798,257.14       32.73150588       -103.4978394         16,500.00       90.00       359.48       9,282.00       7,143.04       -528.21       631,066.33	,				,					-103.49783658
15,800.00       90.00       359.48       9,282.00       6,443.07       -521.81       630,366.36       798,261.71       32.73013164       -103.4978374         15,900.00       90.00       359.48       9,282.00       6,543.07       -522.72       630,466.35       798,260.80       32.73040649       -103.4978378         16,000.00       90.00       359.48       9,282.00       6,643.07       -523.64       630,566.35       798,259.88       32.73068133       -103.4978382         16,100.00       90.00       359.48       9,282.00       6,743.06       -524.55       630,666.34       798,258.97       32.73095618       -103.4978386         16,200.00       90.00       359.48       9,282.00       6,843.06       -525.47       630,766.34       798,258.05       32.73123103       -103.4978390         16,300.00       90.00       359.48       9,282.00       6,943.05       -526.38       630,866.34       798,257.14       32.73150588       -103.4978394         16,400.00       90.00       359.48       9,282.00       7,043.05       -527.30       630,966.33       798,256.22       32.73178072       -103.4978402         16,600.00       90.00       359.48       9,282.00       7,143.04       -528.21       631,066.33				,			,			
15,900.00       90.00       359.48       9,282.00       6,543.07       -522.72       630,466.35       798,260.80       32.73040649       -103.4978378         16,000.00       90.00       359.48       9,282.00       6,643.07       -523.64       630,566.35       798,259.88       32.73068133       -103.4978382         16,100.00       90.00       359.48       9,282.00       6,743.06       -524.55       630,666.34       798,258.97       32.73095618       -103.4978386         16,200.00       90.00       359.48       9,282.00       6,843.06       -525.47       630,766.34       798,258.05       32.73123103       -103.4978390         16,300.00       90.00       359.48       9,282.00       6,943.05       -526.38       630,866.34       798,257.14       32.73150588       -103.4978394         16,400.00       90.00       359.48       9,282.00       7,043.05       -527.30       630,966.33       798,256.22       32.73178072       -103.4978398         16,500.00       90.00       359.48       9,282.00       7,143.04       -528.21       631,066.33       798,255.31       32.7323042       -103.4978402         16,600.00       90.00       359.48       9,282.00       7,243.04       -529.13       631,166.32										-103.49783740
16,000.00       90.00       359.48       9,282.00       6,643.07       -523.64       630,566.35       798,259.88       32.73068133       -103.4978382         16,100.00       90.00       359.48       9,282.00       6,743.06       -524.55       630,666.34       798,258.97       32.73095618       -103.4978386         16,200.00       90.00       359.48       9,282.00       6,843.06       -525.47       630,766.34       798,258.05       32.73123103       -103.4978390         16,300.00       90.00       359.48       9,282.00       6,943.05       -526.38       630,866.34       798,257.14       32.73150588       -103.4978394         16,400.00       90.00       359.48       9,282.00       7,043.05       -527.30       630,966.33       798,256.22       32.73178072       -103.4978398         16,500.00       90.00       359.48       9,282.00       7,143.04       -528.21       631,066.33       798,255.31       32.73205557       -103.4978402         16,600.00       90.00       359.48       9,282.00       7,243.04       -529.13       631,166.32       798,254.39       32.7323042       -103.4978406         16,700.00       90.00       359.48       9,282.00       7,343.04       -530.04       631,266.32	,			,						
16,100.00       90.00       359.48       9,282.00       6,743.06       -524.55       630,666.34       798,258.97       32.73095618       -103.4978386         16,200.00       90.00       359.48       9,282.00       6,843.06       -525.47       630,766.34       798,258.05       32.73123103       -103.4978390         16,300.00       90.00       359.48       9,282.00       6,943.05       -526.38       630,866.34       798,257.14       32.73150588       -103.4978394         16,400.00       90.00       359.48       9,282.00       7,043.05       -527.30       630,966.33       798,256.22       32.73178072       -103.4978398         16,500.00       90.00       359.48       9,282.00       7,143.04       -528.21       631,066.33       798,255.31       32.73205557       -103.4978402         16,600.00       90.00       359.48       9,282.00       7,243.04       -529.13       631,166.32       798,254.39       32.73233042       -103.4978406         16,700.00       90.00       359.48       9,282.00       7,343.04       -530.04       631,266.32       798,253.48       32.73280527       -103.4978411         16,800.00       90.00       359.48       9,282.00       7,443.03       -530.96       631,366.32										-103.49783822
16,200.00       90.00       359.48       9,282.00       6,843.06       -525.47       630,766.34       798,258.05       32.73123103       -103.4978390         16,300.00       90.00       359.48       9,282.00       6,943.05       -526.38       630,866.34       798,257.14       32.73150588       -103.4978394         16,400.00       90.00       359.48       9,282.00       7,043.05       -527.30       630,966.33       798,256.22       32.73178072       -103.4978398         16,500.00       90.00       359.48       9,282.00       7,143.04       -528.21       631,066.33       798,255.31       32.73205557       -103.4978402         16,600.00       90.00       359.48       9,282.00       7,243.04       -529.13       631,166.32       798,254.39       32.73233042       -103.4978406         16,700.00       90.00       359.48       9,282.00       7,343.04       -530.04       631,266.32       798,253.48       32.73260527       -103.4978411         16,800.00       90.00       359.48       9,282.00       7,443.03       -530.96       631,366.32       798,252.56       32.73288011       -103.4978415         16,900.00       90.00       359.48       9,282.00       7,543.03       -531.87       631,466.31	•									-103.49783863
16,300.00       90.00       359.48       9,282.00       6,943.05       -526.38       630,866.34       798,257.14       32.73150588       -103.4978394         16,400.00       90.00       359.48       9,282.00       7,043.05       -527.30       630,966.33       798,256.22       32.73178072       -103.4978398         16,500.00       90.00       359.48       9,282.00       7,143.04       -528.21       631,066.33       798,255.31       32.73205557       -103.4978402         16,600.00       90.00       359.48       9,282.00       7,243.04       -529.13       631,166.32       798,254.39       32.73233042       -103.4978406         16,700.00       90.00       359.48       9,282.00       7,343.04       -530.04       631,266.32       798,253.48       32.73260527       -103.4978411         16,800.00       90.00       359.48       9,282.00       7,443.03       -530.96       631,366.32       798,252.56       32.73288011       -103.4978415         16,900.00       90.00       359.48       9,282.00       7,543.03       -531.87       631,466.31       798,251.65       32.73315496       -103.4978419										-103.49783904
16,500.00     90.00     359.48     9,282.00     7,143.04     -528.21     631,066.33     798,255.31     32.73205557     -103.4978402       16,600.00     90.00     359.48     9,282.00     7,243.04     -529.13     631,166.32     798,254.39     32.73233042     -103.4978406       16,700.00     90.00     359.48     9,282.00     7,343.04     -530.04     631,266.32     798,253.48     32.73260527     -103.4978411       16,800.00     90.00     359.48     9,282.00     7,443.03     -530.96     631,366.32     798,252.56     32.73288011     -103.4978415       16,900.00     90.00     359.48     9,282.00     7,543.03     -531.87     631,466.31     798,251.65     32.73315496     -103.4978419		90.00	359.48	9,282.00		-526.38	630,866.34	798,257.14	32.73150588	-103.49783945
16,500.00     90.00     359.48     9,282.00     7,143.04     -528.21     631,066.33     798,255.31     32.73205557     -103.4978402       16,600.00     90.00     359.48     9,282.00     7,243.04     -529.13     631,166.32     798,254.39     32.73233042     -103.4978406       16,700.00     90.00     359.48     9,282.00     7,343.04     -530.04     631,266.32     798,253.48     32.73260527     -103.4978411       16,800.00     90.00     359.48     9,282.00     7,443.03     -530.96     631,366.32     798,252.56     32.73288011     -103.4978415       16,900.00     90.00     359.48     9,282.00     7,543.03     -531.87     631,466.31     798,251.65     32.73315496     -103.4978419	16,400.00						630,966.33			-103.49783987
16,600.00     90.00     359.48     9,282.00     7,243.04     -529.13     631,166.32     798,254.39     32.73233042     -103.4978406       16,700.00     90.00     359.48     9,282.00     7,343.04     -530.04     631,266.32     798,253.48     32.73260527     -103.4978411       16,800.00     90.00     359.48     9,282.00     7,443.03     -530.96     631,366.32     798,252.56     32.73288011     -103.4978415       16,900.00     90.00     359.48     9,282.00     7,543.03     -531.87     631,466.31     798,251.65     32.73315496     -103.4978419										-103.49784028
16,800.00       90.00       359.48       9,282.00       7,443.03       -530.96       631,366.32       798,252.56       32.73288011       -103.4978415         16,900.00       90.00       359.48       9,282.00       7,543.03       -531.87       631,466.31       798,251.65       32.73315496       -103.4978419										-103.49784069
16,800.00       90.00       359.48       9,282.00       7,443.03       -530.96       631,366.32       798,252.56       32.73288011       -103.4978415         16,900.00       90.00       359.48       9,282.00       7,543.03       -531.87       631,466.31       798,251.65       32.73315496       -103.4978419	16,700.00	90.00	359.48	9,282.00	7,343.04	-530.04	631,266.32	798,253.48	32.73260527	-103.49784110
		90.00	359.48				631,366.32	798,252.56		-103.49784151
17,000.00 90.00 359.48 9,282.00 7,643.02 -532.79 631,566.31 798,250.73 32.73342981 -103.4978423	16,900.00	90.00	359.48			-531.87	631,466.31			-103.49784192
	17,000.00	90.00	359.48	9,282.00	7,643.02	-532.79	631,566.31	798,250.73	32.73342981	-103.49784233
17,100.00 90.00 359.48 9,282.00 7,743.02 -533.70 631,666.30 798,249.82 32.73370466 -103.4978427	17,100.00	90.00	359.48	9,282.00	7,743.02	-533.70	631,666.30	798,249.82	32.73370466	-103.49784274



Database: TZ USA 17.2

Company: Franklin Mountain Energy LLC

Project: PV\_Lea County, NM(N83-NME3001)

Site: Rope Mid Pad

Well: (02) Rope State Com 302H

Wellbore: 302H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

**Survey Calculation Method:** 

Well (02) Rope State Com 302H - Slot (02)

RPSC 302H

3945+30 @ 3975.00usft 3945+30 @ 3975.00usft

Grid

anned Survey	,								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
17,200.00	90.00	359.48	9,282.00	7,843.01	-534.62	631,766.30	798,248.90	32.73397950	-103.497843
17,300.00	90.00	359.48	9,282.00	7,943.01	-535.53	631,866.29	798,247.99	32.73425435	-103.497843
17,400.00	90.00	359.48	9,282.00	8,043.01	-536.45	631,966.29	798,247.07	32.73452920	-103.497843
17,500.00	90.00	359.48	9,282.00	8,143.00	-537.36	632,066.29	798,246.16	32.73480405	-103.497844
17,600.00	90.00	359.48	9,282.00	8,243.00	-538.28	632,166.28	798,245.24	32.73507889	-103.497844
17,700.00	90.00	359.48	9,282.00	8,342.99	-539.19	632,266.28	798,244.33	32.73535374	-103.497845
17,800.00	90.00	359.48	9,282.00	8,442.99	-540.11	632,366.27	798,243.41	32.73562859	-103.497845
17,900.00	90.00	359.48	9,282.00	8,542.99	-541.02	632,466.27	798,242.50	32.73590344	-103.497846
18,000.00	90.00	359.48	9,282.00	8,642.98	-541.94	632,566.27	798,241.58	32.73617828	-103.497846
18,100.00	90.00	359.48	9,282.00	8,742.98	-542.85	632,666.26	798,240.67	32.73645313	-103.497846
18,200.00	90.00	359.48	9,282.00	8,842.97	-543.77	632,766.26	798,239.75	32.73672798	-103.497847
18,300.00	90.00	359.48	9,282.00	8,942.97	-544.68	632,866.25	798,238.84	32.73700282	-103.497847
18,400.00	90.00	359.48	9,282.00	9,042.96	-545.60	632,966.25	798,237.92	32.73727767	-103.497848
18,500.00	90.00	359.48	9,282.00	9,142.96	-546.51	633,066.24	798,237.01	32.73755252	-103.497848
18,600.00	90.00	359.48	9,282.00	9,242.96	-547.43	633,166.24	798,236.09	32.73782737	-103.49784
18,700.00	90.00	359.48	9,282.00	9,342.95	-548.34	633,266.24	798,235.18	32.73810221	-103.49784
18,800.00	90.00	359.48	9,282.00	9,442.95	-549.26	633,366.23	798,234.26	32.73837706	-103.49784
18,900.00	90.00	359.48	9,282.00	9,542.94	-550.17	633,466.23	798,233.35	32.73865191	-103.49785
19,000.00	90.00	359.48	9,282.00	9,642.94	-551.09	633,566.22	798,232.43	32.73892676	-103.49785
19,100.00	90.00	359.48	9,282.00	9,742.94	-552.00	633,666.22	798,231.52	32.73920160	-103.49785
19,200.00	90.00	359.48	9,282.00	9,842.93	-552.92	633,766.22	798,230.60	32.73947645	-103.49785
19,300.00	90.00	359.48	9,282.00	9,942.93	-553.83	633,866.21	798,229.69	32.73975130	-103.49785
19,400.00	90.00	359.48	9,282.00	10,042.92	-554.75	633,966.21	798,228.77	32.74002614	-103.49785
19,500.00	90.00	359.48	9,282.00	10,142.92	-555.66	634,066.20	798,227.86	32.74030099	-103.49785
19,600.00	90.00	359.48	9,282.00	10,242.91	-556.58	634,166.20	798,226.94	32.74057584	-103.49785
19,700.00	90.00	359.48	9,282.00	10,342.91	-557.49	634,266.19	798,226.03	32.74085069	-103.49785
19,800.00	90.00	359.48	9,282.00	10,442.91	-558.41	634,366.19	798,225.11	32.74112553	-103.49785
19,900.00	90.00	359.48	9,282.00	10,542.90	-559.32	634,466.19	798,224.20	32.74140038	-103.49785
20,000.00	90.00	359.48	9,282.00	10,642.90	-560.24	634,566.18	798,223.28	32.74167523	-103.49785
20,100.00	90.00	359.48	9,282.00	10,742.89	-561.15	634,666.18	798,222.37	32.74195007	-103.49785
20,200.00	90.00	359.48	9,282.00	10,742.03	-562.07	634,766.17	798,221.45	32.74222492	-103.49785
20,200.00	90.00	359.48	9,282.00	10,042.89	-562.98	634,866.17	798,220.54	32.74249977	-103.49785
20,400.00	90.00	359.48	9,282.00	11,042.88	-563.90	634,966.16	798,219.62	32.74277461	-103.49785
20,500.00	90.00	359.48	9,282.00	11,142.88	-564.81	635,066.16	798,218.71	32.74304946	-103.49785
20,600.00	90.00	359.48	9,282.00	11,142.87	-565.73	635,166.16	798,217.79	32.74332431	-103.49785
•			•						-103.49785
20,700.00 20,800.00	90.00	359.48	9,282.00	11,342.87 11,442.86	-566.64	635,266.15	798,216.88	32.74359916	
•	90.00	359.48	9,282.00	,	-567.56	635,366.15 635,466.14	798,215.96	32.74387400	-103.49785
20,900.00	90.00	359.48	9,282.00	11,542.86	-568.47		798,215.05	32.74414885 32.74442370	-103.49785
21,000.00	90.00	359.48	9,282.00	11,642.86	-569.39	635,566.14	798,214.13		-103.49785
21,100.00	90.00	359.48	9,282.00	11,742.85	-570.30	635,666.14	798,213.22	32.74469854	-103.49785
21,200.00	90.00	359.48	9,282.00	11,842.85	-571.22 570.43	635,766.13	798,212.30	32.74497339	-103.49785
21,300.00	90.00	359.48	9,282.00	11,942.84	-572.13	635,866.13	798,211.39	32.74524824	-103.49786
21,400.00	90.00	359.48	9,282.00	12,042.84	-573.05	635,966.12	798,210.47	32.74552308	-103.49786
21,500.00	90.00	359.48	9,282.00	12,142.83	-573.96	636,066.12	798,209.56	32.74579793	-103.49786
21,600.00	90.00	359.48	9,282.00	12,242.83	-574.88	636,166.11	798,208.64	32.74607278	-103.49786
21,700.00	90.00	359.48	9,282.00	12,342.83	-575.79	636,266.11	798,207.73	32.74634762	-103.49786
21,800.00	90.00	359.48	9,282.00	12,442.82	-576.71	636,366.11	798,206.81	32.74662247	-103.49786
21,900.00	90.00	359.48	9,282.00	12,542.82	-577.62	636,466.10	798,205.90	32.74689732	-103.49786
22,000.00	90.00	359.48	9,282.00	12,642.81	-578.54	636,566.10	798,204.98	32.74717217	-103.49786
22,100.00	90.00	359.48	9,282.00	12,742.81	-579.45	636,666.09	798,204.07	32.74744701	-103.49786
22,200.00	90.00	359.48	9,282.00	12,842.81	-580.37	636,766.09	798,203.15	32.74772186	-103.49786
22,300.00	90.00	359.48	9,282.00	12,942.80	-581.28	636,866.09	798,202.24	32.74799671	-103.49786
22,400.00	90.00	359.48	9,282.00	13,042.80	-582.20	636,966.08	798,201.32	32.74827155	-103.49786
22,500.00	90.00	359.48	9,282.00	13,142.79	-583.11	637,066.08	798,200.41	32.74854640	-103.49786



Database: TZ USA 17.2

Company: Franklin Mountain Energy LLC
Project: PV\_Lea County, NM(N83-NME3001)

Site: Rope Mid Pad

Well: (02) Rope State Com 302H

Wellbore: 302H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well (02) Rope State Com 302H - Slot (02)

RPSC 302H

3945+30 @ 3975.00usft 3945+30 @ 3975.00usft

Grid

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
22,600.00	90.00	359.48	9,282.00	13,242.79	-584.03	637,166.07	798,199.49	32.74882125	-103.49786533
22,700.00	90.00	359.48	9,282.00	13,342.78	-584.94	637,266.07	798,198.58	32.74909609	-103.49786574
22,800.00	90.00	359.48	9,282.00	13,442.78	-585.86	637,366.06	798,197.66	32.74937094	-103.49786615
22,900.00	90.00	359.48	9,282.00	13,542.78	-586.77	637,466.06	798,196.75	32.74964579	-103.49786656
23,000.00	90.00	359.48	9,282.00	13,642.77	-587.69	637,566.06	798,195.83	32.74992063	-103.49786697
23,100.00	90.00	359.48	9,282.00	13,742.77	-588.60	637,666.05	798,194.92	32.75019548	-103.49786738
23,200.00	90.00	359.48	9,282.00	13,842.76	-589.52	637,766.05	798,194.00	32.75047033	-103.49786779
23,300.00	90.00	359.48	9,282.00	13,942.76	-590.43	637,866.04	798,193.09	32.75074517	-103.49786820
23,400.00	90.00	359.48	9,282.00	14,042.76	-591.35	637,966.04	798,192.17	32.75102002	-103.49786861
23,500.00	90.00	359.48	9,282.00	14,142.75	-592.26	638,066.04	798,191.26	32.75129487	-103.49786902
23,600.00	90.00	359.48	9,282.00	14,242.75	-593.18	638,166.03	798,190.34	32.75156971	-103.49786943
23,700.00	90.00	359.48	9,282.00	14,342.74	-594.09	638,266.03	798,189.43	32.75184456	-103.49786984
23,800.00	90.00	359.48	9,282.00	14,442.74	-595.01	638,366.02	798,188.51	32.75211941	-103.49787025
23,900.00	90.00	359.48	9,282.00	14,542.73	-595.92	638,466.02	798,187.60	32.75239425	-103.49787066
24,000.00	90.00	359.48	9,282.00	14,642.73	-596.83	638,566.01	798,186.68	32.75266910	-103.49787107
24,100.00	90.00	359.48	9,282.00	14,742.73	-597.75	638,666.01	798,185.77	32.75294395	-103.49787148
24,200.00	90.00	359.48	9,282.00	14,842.72	-598.66	638,766.01	798,184.85	32.75321879	-103.49787189
24,300.00	90.00	359.48	9,282.00	14,942.72	-599.58	638,866.00	798,183.94	32.75349364	-103.49787230
24,400.00	90.00	359.48	9,282.00	15,042.71	-600.49	638,966.00	798,183.02	32.75376849	-103.49787271
24,500.00	90.00	359.48	9,282.00	15,142.71	-601.41	639,065.99	798,182.11	32.75404333	-103.49787312
24,600.00	90.00	359.48	9,282.00	15,242.71	-602.32	639,165.99	798,181.19	32.75431818	-103.49787353
24,700.00	90.00	359.48	9,282.00	15,342.70	-603.24	639,265.99	798,180.28	32.75459303	-103.49787394
24,794.02	90.00	359.48	9,282.00	15,436.72	-604.10	639,360.00	798,179.42	32.75485144	-103.49787433
TD: 2479	4.02' MD/ 154	41.56' VS/928	32.00' TVD - 02	-PBHL(RPSC	-302H)				

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
01-T98(RPSC-302H) - plan misses target of Point	0.00 center by 217	0.00 .57usft at 92	9,282.00 26.29usft MI	-232.76 D (9135.23 TV	-462.84 /D, -90.21 N, -	623,690.53 536.84 E)	798,320.67	32.71178253	-103.49781679
02-PBHL(RPSC-302H) - plan hits target cent - Point	0.00 er	0.00	9,282.00	15,436.72	-604.10	639,360.00	798,179.42	32.75485145	-103.49787433



Database: TZ USA 17.2

Company: Franklin Mountain Energy LLC
Project: PV\_Lea County, NM(N83-NME3001)

Site: Rope Mid Pad

Well: (02) Rope State Com 302H

Wellbore: 302H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well (02) Rope State Com 302H - Slot (02)

RPSC 302H

3945+30 @ 3975.00usft 3945+30 @ 3975.00usft

Grid

mations							
	Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
	30.00	30.00	Cenozoic Alluvium (surface)				
	1,942.99	1,942.00	Rustler				
	2,248.24	2,245.00	Salado				
	3,225.46	3,215.00	Base Salt				
	3,578.06	3,565.00	Yates				
	3,999.17	3,983.00	Seven Rivers				
	4,758.78	4,737.00	Queen				
	6,071.48	6,040.00	Delaware Mtn Group				
	7,650.65	7,614.00	Bone Spring Lime				
	9,283.02	9,171.00	First Bone Spring Sand				
	9,645.69	9,282.00	HZ Target				

Plan Annotations										
	Measured Depth (usft)	Vertical Depth (usft)	Local Coor +N/-S (usft)	dinates +E/-W (usft)	Comment					
	8,745.69	8,709.04	-278.81	-560.00	KOP: 8745.69' MD/ -273.72' VS/8709.04' TVD					
	8,975.90	8,933.10	-233.52	-554.44	100FLL: 8975.90' MD/ -228.48' VS/8933.10' TVD					
	9,645.69	9,282.00	289.88	-490.17	EOC: 9645.69' MD/ 294.31' VS/9282.00' TVD					
	24,794.02	9,282.00	15,436.72	-604.10	TD: 24794.02' MD/ 15441.56' VS/9282.00' TVD					



# **Rope State Com 302H**

- 1. Geologic name of surface location: Permian
- 2. Estimated tops of important geological markers:

Formations	PROG SS	PROG TVD	Picked TVD	delta	Potential/Issues
Cenozoic Alluvium (surface)		3,975'	3,975'	0	Sand/Gravels/Unconsolidated
Rustler	2033	1,942'			Carbonates
Salado	1730	2,245'			Salt, Carbonate & Clastics
Base Salt	759	3,215'			Shaley Carbonate & Shale
Yates	409	3,565'			Anhydrite/Shale
Seven Rivers	-9	3,983'			Interbedded Shale/Carbonate
Queen	-762	4,737'			Sandstone & Dolomite & Anhydrite
Delaware Mtn Group	-2065	6,040'			Sandstone/Carb/Shale - oil/gas/water
Bone Spring Lime	-3639	7,614'			Shale/Carbonates - oil/gas
First Bone Spring Sand	-5197	9,171'			Sandstone - oil/gas/water
HZ Target	-5307	9,282'			Sandstone - oil/gas/water
Second Bone Spring Carbonate	-5382	9,357'			Shale/Carbonates - oil/gas

# 3. Estimated depth of anticipated fresh water, oil or gas:

Upper Permian Sands	0- 400'	Fresh Water
Delaware Sands	6,040'	Oil
1 <sup>st</sup> Bone Spring Sand	9,171'	Oil
2 <sup>nd</sup> Bone Spring Carb	9,357'	Oil
2 <sup>nd</sup> Bone Spring Sand	N/A	Oil
3 <sup>rd</sup> Bone Spring Sand	N/A	Oil
Wolfcamp	N/A	Oil
Wolfcamp B	N/A	Oil

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Surface freshwater sands will be protected by setting 13-3/8" casing at 1,992' and circulating cement back to surface.

# 4. Casing Program:

All casing strings will be run new.

Casing string	Weight	Grade	Burst	Callanca	Tension	Conn	Length		API desig	gn facto	r
Casing string	weight	Grade	Duist	Collapse	Telision	Com	Length	Burst	Collapse	Tension	Coupling
Surface 13 3/8"	54.5	J-55	2730	1130	853	BTC 909	1,992	1.00	1.09	4.09	4.36
Intermediate 9 5/8"	40	HCL-80	7430	4230	916	BTC 1042	4,201	2.02	2.15	3.42	3.89
Production 7"	32	HCP-110	12460	10760	1025	CDC-HTQ 1053	8,746	2.06	2.63	2.70	2.77
Production 5 1/2"	20	HCP-110	12640	12200	641	CDC-HTQ 667	16,048 9,282	1.15	1.62	1.52	1.58

Tapered production string will be ran with a X-over installed at the KOP of 8,746'.



# **Cementing Program:**

Cementing Stage tool can be placed in the 1st Intermediate string as a contingency to ensure required TOC to surface.

To increase efficiency of drilling operations and minimize disturbance of the area the batch-drilling approach will be used.

Off-line cementing may be utilized for Surface, Intermediate, and Production strings to further optimization of drilling process and reduction of disturbance.

String	Hole	Cas	ing		Lea	d					*	Tail		
Type	Size	Size	Setting	Sacks	Type of cmt	Yield	Water	TOC	Sacks	Type of cmt	Yield	Water	TOC	Excess
800			Depth			ft3/sk	gal/sk	ft			ft3/sk	gal/sk		
Surf	17.5	13.375	1,992	1079	85:15 Compass Poz,	2.05	11.12	0	441	Tail, 14.8 ppg,	1.34	6.35	0	100%
					12.8 ppg Class C,					100% Class C,				
					5%Gel,3#/sk Kol					1%CaCl2,				
					Seal, 4.64#/sk Salt					0.1%				
Int1	12.25	9.625	4,201	677	Lead, 11.3 ppg,	2.74	16.31	0	201	Econolite	1.33	6.33	1,289	100%
					HSLD 82					Tail, 14.8 ppg,				
					10% Gel,					100% Class C,				
					4% STE, 2#/sk,					0.08% C-51				
					Gyp Seal									
Prod	8.75	7	8,746	382	HSLD 9420, 10.5	3.99	25.51	3,201						100%
					ppg, Class C, 1#/sk									
					Salt, 4% STE									
					1% C-45									
Prod	8.75	5.5	24,794						4004	HSLD 80,	1.52	7.59	8,746	50%
	55	5.5	= .,. 5 1							13.ppg ,			5,. 10	50.0
										32#/sk Salt,				
										4% STE, 1#/sk				
										Gyp Seal				

# **5.** Minimum Specifications for Pressure Control:

The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a single ram, mud cross and double ram-type (10,000 psi WP) preventer and an annular preventer (5,000-psi WP). Both units will be hydraulically operated, and the ram-type will be equipped with blind rams on bottom and 4 ½" x 7" variable pipe rams on top. All BOPE will be tested in accordance with Onshore Oil & Gas order No. 2.

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 5,000/250 psig and the annular preventer to 3,500/250 psig. The surface casing will be tested to 1500 psi for 30 minutes.

Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 10,000/250 psig and the annular preventer to 3,500/250 psig.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.



# 6. Types and characteristics of the proposed mud system:

During this procedure we plan to use a Closed-Loop System and haul contents to the required disposal. The applicable depths and properties of the drilling fluid systems are as follows.

Depth	Туре	Weight (ppg)	Viscosity	Water Loss
0 – 1,992'	Fresh - Gel	8.6-8.8	28-34	N/c
1,992' – 4,201'	Brine	8.8- 10.2	28-34	N/c
4,201'' – 9,646'	Brine	8.8- 10.2	28-34	N/c
9,646' – 24,794' Lateral	Oil Base	9.0-11	58-68	3 - 6

Γhe

highest mud weight needed to balance formation is expected to be 9-11 ppg. In order to maintain hole stability, mud weights up to 11 ppg may be utilized.

An electronic pit volume totalizer (PVT) will be utilized on the circulating system, to monitor pit volume, flow rate, pump pressure and stroke rate.

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

# 7. Auxiliary well control and monitoring equipment:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be kept on the rig floor at all times.
- (C) H2S monitoring and detection equipment will be utilized from surface casing point to TD.
- (D) A wear bushing will be installed in the wellhead prior to drilling out of the surface casing.

#### 8. Logging, testing and coring program:

GR–CCL-CNL Will be run in cased hole during completions phase of operations. Open-hole logs are not planned for this well.

# 9. Abnormal conditions, pressures, temperatures and potential hazards:

The estimated bottom-hole temperature at 9,282' TVD (deepest point of the well) is 165F with an estimated maximum bottom-hole pressure (BHP) at the same point of 5,309' psig (based on 11 ppg MW). Hydrogen Sulfide may be present in the area. All necessary precautions will be taken before drilling operations commence. See Hydrogen Sulfide Plan below:

# 10. Hydrogen Sulfide Plan:

- A. All personnel shall receive proper awareness H2S training.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment
  - a. Well Control Equipment
    - i. Flare line 150' from wellhead to be ignited by auto ignition sparking system.
    - ii. Choke manifold with a remotely operated hydraulic choke.
    - iii. Mud/gas separator
  - b. Protective equipment for essential personnel
    - i. Breathing Apparatus



- 1. Rescue packs (SCBA) 1 unit shall be placed at each briefing area, 2 shall be stored in a safety trailer on site.
- 2. Work/Escape packs 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity
- 3. Emergency Escape Packs 4 packs shall be stored in the doghouse for emergency evacuation.
- ii. Auxiliary Rescue Equipment
  - 1. Stretcher
  - 2. Two OSHA full body harnesses
  - 3. 100 feet of 5/8 inches OSHA approved rope
  - 4. 1-20# class ABC fire extinguisher
- c. H2S Detection and Monitoring Equipment
  - i. A stationary detector with three sensors will be placed in the doghouse if equipped, set to visually alarm at 10 ppm and audible at 14 ppm. The detector will be calibrated a minimum of every 30 days or as needed. The sensors will be placed in the following places:
    - 1. Rig Floor
    - 2. Below Rig Floor / Near BOPs
    - 3. End of flow line or where well bore fluid is being discharged (near shakers)
  - ii. If H2S is encountered, measured values and formations will be provided to the BLM.
- d. Visual Warning Systems
  - i. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
  - ii. A colored condition flag will be on display, reflecting the current condition at the site at the time.
  - iii. Two windsocks will be placed in strategic locations, visible from all angles.
- e. Mud Program
  - i. The Mud program will be designed to minimize the volume of H2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H2S bearing zones.
- f. Metallurgy
  - i. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service at the anticipated operating pressures to prevent sour sulfide stress cracking.
- g. Communication
  - i. Communication will be via cell phones and walkie talkies on location.

Based on concentrations of offset wells, proximity to main roads, and distance to populated areas, the radius of exposure created by a potential release was determined to be minimal and low enough to not necessitate an H2S contingency plan. This will be reevaluated during wellbore construction if H2S is observed and after the well is on production.

# 11. Anticipated starting date and duration of operations:

The drilling operations on the well should be finished in approximately one month. However, in order to minimize disturbance in the area and to improve efficiency Franklin Mountain is planning to drill all the wells on



the pad prior to commence completion operations. To even further reduce the time heavy machinery is used the "batch drilling" method may be used. A batch drilling sequence sundry will be submitted for State approval prior to spud. A drilling rig with walking/skidding capabilities will be used.

# 12. Disposal/environmental concerns:

- (A) Drilled cuttings will be hauled to and disposed of in a state-certified disposal site.
- (B) Non-hazardous waste mud/cement from the drilling process will also be hauled to and disposed of in a state-certified disposal site.
- (C) Garbage will be hauled to the Pecos City Landfill.
- (D) Sewage (grey water) will be hauled to the Carlsbad City Landfill

#### 13. Wellhead:

A multi-bowl wellhead system will be utilized.

After running the 13 3/8" surface casing, a 13-5/8" BOP/BOPE system with a minimum working pressure of 10,000 psi will be installed on the wellhead system and will be pressure tested to 250 psi low followed by a 5,000 psi pressure test. This pressure test will be repeated at least every 30 days.

The minimum working pressure of the BOP and related BOPE required for drilling below the surface casing shoe shall be 5,000 psi.

The wellhead will be installed by a third party welder while being monitored by WH vendor's representative.

All BOP equipment will be tested utilizing a conventional test plug. Not a cup or J-packer type.

A solid steel body pack-off will be utilized after running and cementing the intermediate casing string. After installation of the first intermediate string the pack-off and lower flanges will be pressure tested to 5000 psi.

Both the surface and intermediate casing strings will be tested as per NMOCD Rules to the one-third of manufacture's rated yield pressure, no less than 600 psi, but not greater than 1,500 psi.

### 14. Additional variance requests

A. Casing.

1. Variance is requested to wave/reduce the centralizer requirements for the 7" and 5  $\frac{1}{2}$ " production casing due to the tight clearance with 8 3/4" hole.

# 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

I. Operator:Franklin	Mountain l	Energy 3, LLC	OG	RID:331595	j	Date	e:7/3/2024		
II. Type: ⊠ Original [	☐ Amendme	ent due to $\square$ 19.15.	27.9.D(6)(a) NM	IAC □ 19.15.27.9	.D(6)(b)	NMAC □ Oth	er.		
If Other, please describe: _									
<b>III.</b> Well(s): Provide the to be recompleted from a s					f wells p	roposed to be d	rilled or proposed		
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D		ipated MCF/D Pr	Anticipated roduced Water BBL/D		
See Attached Well List									
V. Anticipated Schedule	IV. Central Delivery Point Name:Rope CTB [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		Initial Flow Back Date	First Production Date		
See Attached Well List									
VI. Separation Equipment VII. Operational Practice Subsection A through F of VIII. Best Management I during active and planned	es: ⊠ Attac 19.15.27.8 1 Practices: ∑	h a complete descr NMAC.	ription of the act	tions Operator wil	l take to	comply with t	he requirements of		

# Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☑ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

#### IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

# X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in
				, , ,

- **XI. Map.**  $\boxtimes$  Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.
- XII. Line Capacity. The natural gas gathering system  $\square$  will  $\square$  will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.
- XIII. Line Pressure. Operator  $\Box$  does  $\Box$  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 production in response to the increased line pressure.
- **XIV.** Confidentiality: 
  Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

(i)

# Section 3 - Certifications <u>Effective May 25, 2021</u>

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: power generation on lease; (a) **(b)** power generation for grid; compression on lease; (c) (d) liquids removal on lease; reinjection for underground storage; (e) **(f)** reinjection for temporary storage; **(g)** reinjection for enhanced oil recovery; fuel cell production; and (h)

# **Section 4 - Notices**

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

other alternative beneficial uses approved by the division.

- (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: Joshan Verlage
Printed Name: Rachael Overbey
Title: Director Operations Planning & Regulatory
E-mail Address: roverbey@fmellc.com
Date: 7/3/2024
Phone: 720-414-7868
OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

#### **NATURAL GAS MANAGEMENT PLAN**

**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.

				Anticipated Oil	Anticipated	Anticipated Produced
Well Name	API 14 Digit	ULSTR	Surface Location FTG	BBL/D	Gas MCF/D	Water BBL/D
Rope State Com 301H	TBD	Lot 4-30-18S-35E	330 FSL 978 FWL	800 +/-	700 +/-	2500 +/-
Rope State Com 302H	TBD	O-30-18S-35E	335 FSL 2493 FEL	800 +/-	700 +/-	2500 +/-
Rope State Com 303H	TBD	P-30-18S-35E	338 FSL 1193 FEL	800 +/-	700 +/-	2500 +/-
Rope State Com 304H	TBD	P-30-18S-35E	338 FSL 1073 FEL	800 +/-	700 +/-	2500 +/-
Rope State Com 501H	TBD	Lot 4-30-18S-35E	330 FSL 948 FWL	800 +/-	700 +/-	2500 +/-
Rope State Com 502H	TBD	O-30-18S-35E	335 FSL 2523 FEL	800 +/-	700 +/-	2500 +/-
Rope State Com 601H	TBD	Lot 4-30-18S-35E	330 FSL 888 FWL	800 +/-	700 +/-	2500 +/-
Rope State Com 602H	TBD	Lot 4-30-18S-35E	330 FSL 1038 FWL	800 +/-	700 +/-	2500 +/-
Rope State Com 604H	TBD	P-30-18S-35E	338 FSL 1133 FEL	800 +/-	700 +/-	2500 +/-
Rope State Com 701H	TBD	Lot 4-30-18S-35E	330 FSL 1008 FWL	800 +/-	700 +/-	2500 +/-
Rope State Com 702H	TBD	O-30-18S-35E	335 FSL 2463 FEL	800 +/-	700 +/-	2500 +/-
Rope State Com 703H	TBD	P-30-18S-35E	338 FSL 1163 FEL	800 +/-	700 +/-	2500 +/-
Rope State Com 704H	TBD	P-30-18S-35E	338 FSL 1043 FEL	800 +/-	700 +/-	2500 +/-
Rope State Com 801H	TBD	Lot 4-30-18S-35E	330 FSL 918 FWL	800 +/-	700 +/-	2500 +/-
Rope State Com 802H	TBD	Lot 4-30-18S-35E	330 FSL 1068 FWL	800 +/-	700 +/-	2500 +/-
Rope State Com 803H	TBD	O-30-18S-35E	335 FSL 2433 FEL	800 +/-	700 +/-	2500 +/-
Rope State Com 804H	TBD	P-30-18S-35E	338 FSL 1103 FEL	800 +/-	700 +/-	2500 +/-
·						

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.

				Completion	Initial	
		Spud Date		Commencement	Flowback	
Well Name	API 14 Digit	(Batch Drilling)	TD Reached Date	Date	Date	First Production Date
Rope State Com 301H	TBD	5/15/2025	8/23/2025	9/17/2025	11/6/2025	11/8/2025
Rope State Com 302H	TBD	6/15/2025	9/3/2025	9/28/2025	11/7/2025	11/9/2025
Rope State Com 303H	TBD	7/1/2025	12/8/2025	1/2/2026	3/23/2026	3/25/2026
Rope State Com 304H	TBD	7/1/2025	12/8/2025	1/2/2026	3/23/2026	3/25/2026
Rope State Com 501H	TBD	5/15/2025	8/23/2025	9/17/2025	11/6/2025	11/8/2025
Rope State Com 502H	TBD	6/15/2025	9/3/2025	9/28/2025	11/7/2025	11/9/2025
Rope State Com 601H	TBD	5/15/2025	8/23/2025	9/17/2025	11/6/2025	11/8/2025
Rope State Com 602H	TBD	6/15/2025	9/3/2025	9/28/2025	11/7/2025	11/9/2025
Rope State Com 604H	TBD	7/1/2025	12/8/2025	1/2/2026	3/23/2026	3/25/2026
Rope State Com 701H	TBD	5/15/2025	8/23/2025	9/17/2025	11/6/2025	11/8/2025
Rope State Com 702H	TBD	7/1/2025	12/8/2025	1/2/2026	3/23/2026	3/25/2026
Rope State Com 703H	TBD	7/1/2025	12/8/2025	1/2/2026	3/23/2026	3/25/2026
Rope State Com 704H	TBD	7/1/2025	12/8/2025	1/2/2026	3/23/2026	3/25/2026
Rope State Com 801H	TBD	5/15/2025	8/23/2025	9/17/2025	11/6/2025	11/8/2025
Rope State Com 802H	TBD	6/15/2025	9/3/2025	9/28/2025	11/7/2025	11/9/2025
Rope State Com 803H	TBD	7/1/2025	12/8/2025	1/2/2026	3/23/2026	3/25/2026
Rope State Com 804H	TBD	7/1/2025	12/8/2025	1/2/2026	3/23/2026	3/25/2026



# Natural Gas Management Plan Items VI-VIII

# VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

- Data from surrounding wells is used to generate type curves which provides the basis for expected gas rates during initial production, peak production and then the natural decline.
- Separation equipment will be sized to provide adequate separation for peak production.
- Facility design includes multiple stages of separation to minimize gas waste. Wells flow through a a 3-phase separator to remove gas. Gas from the 3 Phase separators are then sent through a gas scrubber before being route to treatment and/or sales.
- Industry standard sizing calculations are used for gas-liquid separation and liquid-liquid separation.

# VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F 19.15.27.8 NMAC.

- Drilling, completion and production setup is designed to minimize the waste of natural gas and to flare instead of vent.
- Drilling Operations:
  - Natural gas encountered will be flared instead of vented unless there is an equipment malfunction and/or to avoid risking safety or the environment.
  - Flares will be properly sized and placed at least 100' from the nearest surface hole on the pad.
- Completions/Recompletions Operations:
  - Flowback operations will not commence until connected to a properly sized gas gathering system.
  - During initial flowback wells are routed to the separation equipment as soon as technically feasible to minimize gas waste.
  - During separation flowback wells are routed to the separation equipment to minimize gas waste.
  - Gas sales is maximized. Gas will be flared instead of vented during an emergency or malfunction to avoid posing a risk to operations or personnel safety.
  - Flares are properly sized with a continuous pilot.
- Production Operations:
  - Gas sales will be maximized. Gas will be flared instead of vented during an emergency or malfunction to avoid posing a risk to operations or personnel safety.
  - After a well is stabilized from liquid unloading, the well will be turned back into the collection system.
- Performance Standards:
  - The facility will be designed to handle peak production rates and pressures.
  - o All tanks will have automatic gauging equipment.
  - Flares will be designed to ensure proper combustion and will have continuous pilots. Flares will be located 100' from nearest surface hole on the pad and storage tanks.
  - Weekly AVOs will be performed, and any leaking thief hatches will be cleaned and properly re-sealed.
- Measurement and Calibration:



- o All volume that is flared and vented that is not measured will be estimated.
- When metering is not practical due to low pressure/rate, all vented or flared volumes will be estimated.
- Measurement will conform to industry standards. Measurement will not be bypassed except for purposes of inspection or calibration.

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

- Venting will be minimized during active and planned maintenance.
- Systems and equipment requiring maintenance will be isolated and blown down to sales and then flare before any remaining gas is vented in an effort to minimize waste and venting.
- Downhole maintenance will use best management practices to minimize vent.

# Rope NGMP Map July 2024

- Capacities reflected are FME's understanding of 3rd party midstream system capacities

