

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Caza Operating LLC 200 N. Lorraine St. #1550, Midland, TX 79701		² OGRID Number 249099
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 0 25-46908	⁵ Pool Name Lea; Bone Spring	⁶ Pool Code 37570
⁷ Property Code 313780	⁸ Property Name Igloo 19-24 State Fed Com	⁹ Well Number 14Y

II. ¹⁰ Surface Location

UI or lot no. O	Section 19	Township 20S	Range 35E	Lot Idn	Feet from the 1315	North/South Line South	Feet from the 2365	East/West line East	County Lea
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¹¹ Bottom Hole Location

UL or lot no. M	Section 24	Township 20S	Range 35E	Lot Idn	Feet from the 445	North/South line South	Feet from the 100	East/West line West	County Lea
¹² Lse Code S	¹³ Producing Method Code 13	¹⁴ Gas Connection Date 2/10/2021	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

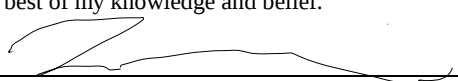
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
214984	Plains Marketing LP 3705 TX-158, Midland TX 79706	O
159160	Versado Gas Processors LLC 6 Desta Dr #300, Midland TX 79705	G
329179	ARM Midstream Management LLC 6 Desta Dr #3400, Midland TX 79705	W

IV. Well Completion Data

²¹ Spud Date 2/29/2020	²² Ready Date 2/3/2021	²³ TD 18065	²⁴ PBTD 18046	²⁵ Perforations 10385 - 18046	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17.5		13.375	1925		1400
12.25		9.625	5280		2330
8.75		5.5	18065		2530
		2.875	10389		

V. Well Test Data

³¹ Date New Oil 2/3/2021	³² Gas Delivery Date 2/3/2021	³³ Test Date 2/28/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size 64	³⁸ Oil 939	³⁹ Water 718	⁴⁰ Gas 944		⁴¹ Test Method gas lift

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 	OIL CONSERVATION DIVISION
Printed name: Steve Morris	Approved by: KURT SIMMONS
Title: Engineer	Title: NMOCD, SANTA FE
E-mail Address: steve.morris@morcorengineering.com	Approval Date: 06/11/2021
Date: 3/4/2021	
Phone: 985-415-9729	

1625 N. French Dr., Hobbs, NM 88240
 Phone: (575) 393-6161 Fax: (575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone: (575) 748-1283 Fax: (575) 748-9720
District III
 1000 Rio Brazos Road, Aztec, NM 87410
 Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 476-3460 Fax: (505) 476-3462

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

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 District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-025-46480	² Pool Code 37580	³ Pool Name LEA BONE SPRING; SOUTH
⁴ Property Code 313780	Property Name IGLOO 19-24 STATE FED COM	⁶ Well Number 13H
⁷ OGRID No. 249099	⁸ Operator Name CAZA OPERATING LLC	⁹ Elevation 3693'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	19	20S	35E		1620	SOUTH	2364	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	24	20S	34E		1760	SOUTH	42	WEST	LEA

¹² Dedicated Acres 240.06	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

BOTTOM HOLE LOCATION 1760' FSL 42' FWL, SECTION 24 18913' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:791256.80' / Y:567024.50' LAT:32.55618966N / LON:103.52218773W NAD 27, SPCS NM EAST X:750075.55' / Y:566962.05' LAT:32.55606603N / LON:103.52169931W	LAST TAKE POINT 1758' FSL 149' FWL, SECTION 24 18806' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:791363.70' / Y:567023.85' LAT:32.55618563N / LON:103.52184082W NAD 27, SPCS NM EAST X:750182.45' / Y:566961.40' LAT:32.55606200N / LON:103.52135241W		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date 5/7/2020 Steve Morris Printed Name steve.morris@morcoreengineering.com E-mail Address
			¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global. MAY 6, 2020 Date of Survey Signature and Seal of Professional Surveyor:
KICK OFF POINT/FIRST TAKE POINT 1730' FSL 2499' FWL, SECTION 19 11150' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:798997.58' / Y:567062.31' LAT:32.55612898N / LON:103.49706533W NAD 27, SPCS NM EAST X:757816.23' / Y:566999.83' LAT:32.55600517N / LON:103.49657781W		SURFACE HOLE LOCATION 1620' FSL 2364' FEL, SECTION 19 0' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:799416.10' / Y:566956.90' LAT:32.55583021N / LON:103.49570978W NAD 27, SPCS NM EAST X:758234.74' / Y:566894.42' LAT:32.55570641N / LON:103.49522234W	
CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 791208.43' / Y: 567899.03' B - X: 799133.31' / Y: 567973.23' C - X: 799143.70' / Y: 566653.49' D - X: 791217.69' / Y: 566581.81'		CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 750027.20' / Y: 567836.55' B - X: 757951.99' / Y: 567910.72' C - X: 757962.33' / Y: 566591.01' D - X: 750036.42' / Y: 566519.37'	

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99981205 Convergence Angle: 00°26'57.22000"



Caza Operating LLC

Igloo 19-24 State Fed Com 13H

Igloo 19-24 State Fed Com 13H

Igloo 19-24 State Fed Com 13H

Igloo 19-24 State Fed Com 13H

Survey: Igloo 19-24 State Fed Com 13H

Morcor Standard Plan

16 April, 2020

These surveys are true and accurate to the best of my knowledge.

A handwritten signature in black ink, appearing to read 'Steve Morris'.

Steve Morris



Morcor Engineering

Morcor Standard Plan

Company:	Caza Operating LLC	Local Co-ordinate Reference:	Well Igloo 19-24 State Fed Com 13H
Project:	Igloo 19-24 State Fed Com 13H	TVD Reference:	WELL @ 3715.0usft (Original Well Elev)
Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Project	Igloo 19-24 State Fed Com 13H		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Igloo 19-24 State Fed Com 13H		
Site Position:		Northing:	566,956.82 usft
From:	Lat/Long	Easting:	799,416.03 usft
Position Uncertainty:	1.0 usft	Slot Radius:	17-1/2 "
		Latitude:	32° 33' 20.988 N
		Longitude:	103° 29' 44.556 W
		Grid Convergence:	0.45 °

Well		Igloo 19-24 State Fed Com 13H				
Well Position	+N/-S	0.0 usft	Northing:	566,956.82 usft	Latitude:	32° 33' 20.988 N
	+E/-W	0.0 usft	Easting:	799,416.03 usft	Longitude:	103° 29' 44.556 W
Position Uncertainty		1.0 usft	Wellhead Elevation:	usft	Ground Level:	3,693.0 usft

Wellbore	Igloo 19-24 State Fed Com 13H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/21/2018	6.66	60.31	48,085

Design	Igloo 19-24 State Fed Com 13H			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	270.28

Survey Program	Date	4/16/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	18,913.0	Igloo 19-24 State Fed Com 13H (Igloo 19-	MWD	MWD - Standard



Morcor Engineering

Morcor Standard Plan

Company:	Caza Operating LLC	Local Co-ordinate Reference:	Well Igloo 19-24 State Fed Com 13H
Project:	Igloo 19-24 State Fed Com 13H	TVD Reference:	WELL @ 3715.0usft (Original Well Elev)
Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
0.0	0.00	0.00	0.0	-3,715.0	0.0	0.0	799,416.03	566,956.82	0.00	0.00
100.0	0.07	119.54	100.0	-3,615.0	0.0	0.1	799,416.09	566,956.79	-0.05	0.07
125.0	0.06	126.05	125.0	-3,590.0	0.0	0.1	799,416.11	566,956.78	-0.08	0.05
150.0	0.05	134.66	150.0	-3,565.0	-0.1	0.1	799,416.13	566,956.76	-0.10	0.05
175.0	0.06	121.54	175.0	-3,540.0	-0.1	0.1	799,416.15	566,956.75	-0.11	0.06
200.0	0.07	179.62	200.0	-3,515.0	-0.1	0.1	799,416.16	566,956.72	-0.13	0.25
225.0	0.09	161.34	225.0	-3,490.0	-0.1	0.1	799,416.17	566,956.69	-0.13	0.13
250.0	0.09	175.13	250.0	-3,465.0	-0.2	0.1	799,416.17	566,956.65	-0.14	0.09
275.0	0.08	193.76	275.0	-3,440.0	-0.2	0.1	799,416.17	566,956.62	-0.14	0.12
300.0	0.10	177.76	300.0	-3,415.0	-0.2	0.1	799,416.17	566,956.58	-0.14	0.13
325.0	0.09	187.76	325.0	-3,390.0	-0.3	0.1	799,416.17	566,956.54	-0.13	0.08
350.0	0.15	196.38	350.0	-3,365.0	-0.3	0.1	799,416.15	566,956.49	-0.12	0.25
375.0	0.17	198.27	375.0	-3,340.0	-0.4	0.1	799,416.13	566,956.42	-0.10	0.08
400.0	0.18	200.14	400.0	-3,315.0	-0.5	0.1	799,416.11	566,956.35	-0.08	0.05
425.0	0.19	203.16	425.0	-3,290.0	-0.6	0.0	799,416.08	566,956.27	-0.05	0.06
450.0	0.16	194.78	450.0	-3,265.0	-0.6	0.0	799,416.05	566,956.20	-0.02	0.16
475.0	0.11	182.80	475.0	-3,240.0	-0.7	0.0	799,416.04	566,956.14	-0.01	0.23
500.0	0.13	197.05	500.0	-3,215.0	-0.7	0.0	799,416.03	566,956.09	0.00	0.14
525.0	0.12	183.35	525.0	-3,190.0	-0.8	0.0	799,416.02	566,956.04	0.01	0.13
550.0	0.18	173.69	550.0	-3,165.0	-0.8	0.0	799,416.03	566,955.97	0.00	0.26
575.0	0.20	180.18	575.0	-3,140.0	-0.9	0.0	799,416.03	566,955.89	0.00	0.12
600.0	0.21	183.26	600.0	-3,115.0	-1.0	0.0	799,416.03	566,955.80	0.00	0.06
625.0	0.23	192.36	625.0	-3,090.0	-1.1	0.0	799,416.01	566,955.71	0.01	0.16
650.0	0.22	193.90	650.0	-3,065.0	-1.2	0.0	799,415.99	566,955.61	0.04	0.05
675.0	0.26	200.05	675.0	-3,040.0	-1.3	-0.1	799,415.96	566,955.51	0.07	0.19
700.0	0.30	203.53	700.0	-3,015.0	-1.4	-0.1	799,415.92	566,955.40	0.11	0.17
725.0	0.30	212.42	725.0	-2,990.0	-1.5	-0.2	799,415.85	566,955.28	0.17	0.19



Morcor Engineering Morcor Standard Plan

Company:	Caza Operating LLC	Local Co-ordinate Reference:	Well Igloo 19-24 State Fed Com 13H
Project:	Igloo 19-24 State Fed Com 13H	TVD Reference:	WELL @ 3715.0usft (Original Well Elev)
Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
750.0	0.33	214.36	750.0	-2,965.0	-1.7	-0.3	799,415.78	566,955.17	0.25	0.13
775.0	0.34	224.07	775.0	-2,940.0	-1.8	-0.3	799,415.69	566,955.05	0.34	0.23
800.0	0.31	218.41	800.0	-2,915.0	-1.9	-0.4	799,415.59	566,954.95	0.43	0.18
825.0	0.31	213.67	825.0	-2,890.0	-2.0	-0.5	799,415.51	566,954.84	0.51	0.10
850.0	0.30	210.70	850.0	-2,865.0	-2.1	-0.6	799,415.44	566,954.73	0.58	0.07
875.0	0.29	220.87	875.0	-2,840.0	-2.2	-0.7	799,415.37	566,954.62	0.66	0.21
900.0	0.28	219.06	900.0	-2,815.0	-2.3	-0.7	799,415.29	566,954.53	0.73	0.05
925.0	0.24	215.19	925.0	-2,790.0	-2.4	-0.8	799,415.22	566,954.44	0.80	0.17
950.0	0.27	219.23	950.0	-2,765.0	-2.5	-0.9	799,415.15	566,954.35	0.87	0.14
975.0	0.31	209.17	975.0	-2,740.0	-2.6	-1.0	799,415.08	566,954.24	0.94	0.26
1,000.0	0.34	198.43	1,000.0	-2,715.0	-2.7	-1.0	799,415.03	566,954.11	1.00	0.27
1,025.0	0.31	201.45	1,025.0	-2,690.0	-2.8	-1.1	799,414.98	566,953.98	1.04	0.14
1,050.0	0.36	205.70	1,050.0	-2,665.0	-3.0	-1.1	799,414.92	566,953.85	1.10	0.22
1,075.0	0.38	202.25	1,075.0	-2,640.0	-3.1	-1.2	799,414.85	566,953.70	1.17	0.12
1,100.0	0.36	199.59	1,100.0	-2,615.0	-3.3	-1.2	799,414.80	566,953.55	1.22	0.11
1,125.0	0.39	211.21	1,125.0	-2,590.0	-3.4	-1.3	799,414.72	566,953.40	1.29	0.33
1,150.0	0.37	215.43	1,150.0	-2,565.0	-3.6	-1.4	799,414.63	566,953.26	1.38	0.14
1,175.0	0.37	211.64	1,175.0	-2,540.0	-3.7	-1.5	799,414.54	566,953.13	1.47	0.10
1,200.0	0.41	214.70	1,200.0	-2,515.0	-3.8	-1.6	799,414.45	566,952.99	1.56	0.18
1,225.0	0.42	224.80	1,225.0	-2,490.0	-4.0	-1.7	799,414.34	566,952.85	1.68	0.29
1,250.0	0.44	229.07	1,250.0	-2,465.0	-4.1	-1.8	799,414.20	566,952.72	1.81	0.15
1,275.0	0.39	221.50	1,275.0	-2,440.0	-4.2	-2.0	799,414.07	566,952.59	1.94	0.30
1,300.0	0.39	222.31	1,300.0	-2,415.0	-4.4	-2.1	799,413.96	566,952.47	2.06	0.02
1,325.0	0.42	211.46	1,325.0	-2,390.0	-4.5	-2.2	799,413.85	566,952.33	2.16	0.33
1,350.0	0.45	210.94	1,350.0	-2,365.0	-4.7	-2.3	799,413.75	566,952.16	2.26	0.12
1,375.0	0.46	216.46	1,375.0	-2,340.0	-4.8	-2.4	799,413.64	566,952.00	2.37	0.18
1,400.0	0.47	217.53	1,400.0	-2,315.0	-5.0	-2.5	799,413.52	566,951.84	2.49	0.05



Morcor Engineering Morcor Standard Plan

Company:	Caza Operating LLC	Local Co-ordinate Reference:	Well Igloo 19-24 State Fed Com 13H
Project:	Igloo 19-24 State Fed Com 13H	TVD Reference:	WELL @ 3715.0usft (Original Well Elev)
Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)	
1,425.0	0.50	227.91	1,425.0	-2,290.0	-5.1	-2.7	799,413.38	566,951.68	2.63	0.37	
1,450.0	0.51	234.10	1,450.0	-2,265.0	-5.3	-2.8	799,413.21	566,951.54	2.80	0.22	
1,475.0	0.47	237.25	1,475.0	-2,240.0	-5.4	-3.0	799,413.03	566,951.42	2.98	0.19	
1,500.0	0.53	240.21	1,500.0	-2,215.0	-5.5	-3.2	799,412.84	566,951.31	3.16	0.26	
1,525.0	0.48	237.11	1,525.0	-2,190.0	-5.6	-3.4	799,412.66	566,951.20	3.35	0.23	
1,550.0	0.54	241.16	1,550.0	-2,165.0	-5.7	-3.6	799,412.46	566,951.08	3.54	0.28	
1,575.0	0.56	239.87	1,575.0	-2,140.0	-5.9	-3.8	799,412.26	566,950.96	3.75	0.09	
1,600.0	0.56	243.01	1,600.0	-2,115.0	-6.0	-4.0	799,412.04	566,950.85	3.96	0.12	
1,625.0	0.56	243.58	1,625.0	-2,090.0	-6.1	-4.2	799,411.82	566,950.74	4.18	0.02	
1,650.0	0.58	234.48	1,650.0	-2,065.0	-6.2	-4.4	799,411.61	566,950.61	4.39	0.37	
1,675.0	0.65	245.69	1,675.0	-2,040.0	-6.3	-4.7	799,411.38	566,950.48	4.63	0.56	
1,700.0	0.67	244.83	1,700.0	-2,015.0	-6.5	-4.9	799,411.12	566,950.36	4.89	0.09	
1,725.0	0.72	245.53	1,725.0	-1,990.0	-6.6	-5.2	799,410.84	566,950.23	5.16	0.20	
1,750.0	0.77	247.78	1,750.0	-1,965.0	-6.7	-5.5	799,410.54	566,950.10	5.46	0.23	
1,775.0	0.79	247.24	1,775.0	-1,940.0	-6.9	-5.8	799,410.23	566,949.97	5.77	0.09	
1,800.0	0.75	246.84	1,800.0	-1,915.0	-7.0	-6.1	799,409.92	566,949.84	6.08	0.16	
1,825.0	0.74	245.01	1,825.0	-1,890.0	-7.1	-6.4	799,409.62	566,949.71	6.38	0.10	
1,850.0	0.76	246.23	1,850.0	-1,865.0	-7.2	-6.7	799,409.32	566,949.57	6.67	0.10	
1,875.0	0.71	247.67	1,875.0	-1,840.0	-7.4	-7.0	799,409.03	566,949.45	6.97	0.21	
1,900.0	0.72	240.78	1,900.0	-1,815.0	-7.5	-7.3	799,408.75	566,949.31	7.25	0.35	
1,925.0	0.72	243.46	1,925.0	-1,790.0	-7.7	-7.6	799,408.47	566,949.16	7.53	0.13	
1,950.0	0.76	241.42	1,949.9	-1,765.1	-7.8	-7.8	799,408.18	566,949.01	7.81	0.19	
1,975.0	0.73	240.95	1,974.9	-1,740.1	-8.0	-8.1	799,407.90	566,948.86	8.10	0.12	
2,000.0	0.60	245.90	1,999.9	-1,715.1	-8.1	-8.4	799,407.64	566,948.73	8.35	0.57	
2,025.0	0.23	252.71	2,024.9	-1,690.1	-8.2	-8.6	799,407.47	566,948.66	8.52	1.49	
2,050.0	0.21	273.89	2,049.9	-1,665.1	-8.2	-8.7	799,407.38	566,948.65	8.61	0.33	
2,075.0	0.18	263.14	2,074.9	-1,640.1	-8.2	-8.7	799,407.30	566,948.65	8.70	0.19	



Morcor Engineering Morcor Standard Plan

Company:	Caza Operating LLC	Local Co-ordinate Reference:	Well Igloo 19-24 State Fed Com 13H
Project:	Igloo 19-24 State Fed Com 13H	TVD Reference:	WELL @ 3715.0usft (Original Well Elev)
Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)	
2,100.0	0.22	263.24	2,099.9	-1,615.1	-8.2	-8.8	799,407.21	566,948.64	8.79	0.16	
2,125.0	0.26	268.66	2,124.9	-1,590.1	-8.2	-8.9	799,407.10	566,948.63	8.89	0.18	
2,150.0	0.27	271.63	2,149.9	-1,565.1	-8.2	-9.0	799,406.99	566,948.63	9.01	0.07	
2,175.0	0.27	270.37	2,174.9	-1,540.1	-8.2	-9.2	799,406.87	566,948.63	9.12	0.02	
2,200.0	0.33	277.64	2,199.9	-1,515.1	-8.2	-9.3	799,406.74	566,948.64	9.25	0.28	
2,225.0	0.26	279.27	2,224.9	-1,490.1	-8.2	-9.4	799,406.61	566,948.66	9.38	0.28	
2,250.0	0.26	280.55	2,249.9	-1,465.1	-8.1	-9.5	799,406.50	566,948.68	9.49	0.02	
2,275.0	0.24	280.19	2,274.9	-1,440.1	-8.1	-9.6	799,406.39	566,948.70	9.60	0.08	
2,300.0	0.20	287.58	2,299.9	-1,415.1	-8.1	-9.7	799,406.30	566,948.72	9.69	0.20	
2,325.0	0.22	272.82	2,324.9	-1,390.1	-8.1	-9.8	799,406.21	566,948.74	9.78	0.23	
2,350.0	0.24	261.18	2,349.9	-1,365.1	-8.1	-9.9	799,406.11	566,948.73	9.88	0.20	
2,375.0	0.23	268.60	2,374.9	-1,340.1	-8.1	-10.0	799,406.01	566,948.72	9.98	0.13	
2,400.0	0.23	265.37	2,399.9	-1,315.1	-8.1	-10.1	799,405.91	566,948.72	10.08	0.05	
2,425.0	0.16	265.25	2,424.9	-1,290.1	-8.1	-10.2	799,405.83	566,948.71	10.17	0.28	
2,450.0	0.19	278.23	2,449.9	-1,265.1	-8.1	-10.3	799,405.75	566,948.71	10.24	0.20	
2,475.0	0.17	271.90	2,474.9	-1,240.1	-8.1	-10.4	799,405.67	566,948.72	10.32	0.11	
2,500.0	0.18	279.93	2,499.9	-1,215.1	-8.1	-10.4	799,405.60	566,948.73	10.40	0.11	
2,525.0	0.14	313.62	2,524.9	-1,190.1	-8.1	-10.5	799,405.53	566,948.76	10.46	0.40	
2,550.0	0.14	332.34	2,549.9	-1,165.1	-8.0	-10.5	799,405.50	566,948.80	10.50	0.18	
2,575.0	0.17	340.10	2,574.9	-1,140.1	-8.0	-10.6	799,405.47	566,948.87	10.52	0.15	
2,600.0	0.17	354.58	2,599.9	-1,115.1	-7.9	-10.6	799,405.46	566,948.94	10.54	0.17	
2,625.0	0.25	353.25	2,624.9	-1,090.1	-7.8	-10.6	799,405.45	566,949.03	10.55	0.32	
2,650.0	0.25	5.57	2,649.9	-1,065.1	-7.7	-10.6	799,405.44	566,949.14	10.55	0.21	
2,675.0	0.26	16.54	2,674.9	-1,040.1	-7.6	-10.6	799,405.47	566,949.25	10.53	0.20	
2,700.0	0.19	15.83	2,699.9	-1,015.1	-7.5	-10.5	799,405.49	566,949.34	10.50	0.28	
2,725.0	0.20	20.45	2,724.9	-990.1	-7.4	-10.5	799,405.52	566,949.42	10.48	0.07	
2,750.0	0.23	28.00	2,749.9	-965.1	-7.3	-10.5	799,405.56	566,949.51	10.44	0.16	



Morcor Engineering Morcor Standard Plan

Company:	Caza Operating LLC	Local Co-ordinate Reference:	Well Igloo 19-24 State Fed Com 13H
Project:	Igloo 19-24 State Fed Com 13H	TVD Reference:	WELL @ 3715.0usft (Original Well Elev)
Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)	
2,775.0	0.17	14.31	2,774.9	-940.1	-7.2	-10.4	799,405.59	566,949.59	10.41	0.31	
2,800.0	0.23	359.27	2,799.9	-915.1	-7.1	-10.4	799,405.60	566,949.67	10.40	0.32	
2,825.0	0.27	0.74	2,824.9	-890.1	-7.0	-10.4	799,405.60	566,949.78	10.40	0.16	
2,850.0	0.28	10.42	2,849.9	-865.1	-6.9	-10.4	799,405.61	566,949.90	10.39	0.19	
2,875.0	0.40	32.21	2,874.9	-840.1	-6.8	-10.4	799,405.67	566,950.03	10.33	0.70	
2,900.0	0.59	44.48	2,899.9	-815.1	-6.6	-10.2	799,405.81	566,950.20	10.20	0.87	
2,925.0	0.86	46.88	2,924.9	-790.1	-6.4	-10.0	799,406.03	566,950.42	9.97	1.09	
2,950.0	0.91	47.24	2,949.9	-765.1	-6.1	-9.7	799,406.32	566,950.68	9.69	0.20	
2,975.0	0.98	46.58	2,974.9	-740.1	-5.9	-9.4	799,406.62	566,950.96	9.39	0.28	
3,000.0	1.33	56.84	2,999.9	-715.1	-5.6	-9.0	799,407.02	566,951.27	8.99	1.62	
3,025.0	1.77	64.11	3,024.9	-690.1	-5.2	-8.4	799,407.61	566,951.60	8.40	1.92	
3,050.0	1.92	62.25	3,049.9	-665.1	-4.9	-7.7	799,408.32	566,951.96	7.69	0.65	
3,075.0	2.19	65.56	3,074.9	-640.1	-4.5	-6.9	799,409.13	566,952.35	6.88	1.18	
3,100.0	2.36	67.54	3,099.9	-615.1	-4.1	-6.0	799,410.04	566,952.75	5.97	0.75	
3,125.0	2.59	68.76	3,124.8	-590.2	-3.7	-5.0	799,411.04	566,953.15	4.97	0.94	
3,150.0	2.97	66.64	3,149.8	-565.2	-3.2	-3.9	799,412.16	566,953.61	3.86	1.57	
3,175.0	3.18	67.75	3,174.8	-540.2	-2.7	-2.6	799,413.40	566,954.13	2.62	0.87	
3,200.0	3.20	68.60	3,199.7	-515.3	-2.2	-1.3	799,414.69	566,954.65	1.33	0.21	
3,225.0	3.20	69.07	3,224.7	-490.3	-1.7	0.0	799,415.99	566,955.15	0.03	0.10	
3,250.0	3.27	66.26	3,249.7	-465.3	-1.1	1.3	799,417.30	566,955.69	-1.27	0.69	
3,275.0	3.57	64.51	3,274.6	-440.4	-0.5	2.6	799,418.65	566,956.31	-2.62	1.27	
3,300.0	3.67	64.19	3,299.6	-415.4	0.2	4.0	799,420.07	566,956.99	-4.04	0.41	
3,325.0	3.72	64.57	3,324.5	-390.5	0.9	5.5	799,421.53	566,957.69	-5.49	0.22	
3,350.0	3.72	65.03	3,349.5	-365.5	1.6	7.0	799,422.99	566,958.38	-6.95	0.12	
3,375.0	3.86	64.77	3,374.4	-340.6	2.3	8.5	799,424.49	566,959.08	-8.45	0.56	
3,400.0	4.20	62.43	3,399.3	-315.7	3.0	10.0	799,426.06	566,959.86	-10.02	1.51	
3,425.0	4.41	61.61	3,424.3	-290.7	3.9	11.7	799,427.72	566,960.74	-11.67	0.88	



Morcor Engineering Morcor Standard Plan

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Project:	Igloo 19-24 State Fed Com 13H	TVD Reference:	WELL @ 3715.0usft (Original Well Elev)
Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)	
3,450.0	4.54	60.85	3,449.2	-265.8	4.9	13.4	799,429.43	566,961.68	-13.37	0.57	
3,475.0	4.55	61.72	3,474.1	-240.9	5.8	15.1	799,431.17	566,962.63	-15.11	0.28	
3,500.0	4.65	61.69	3,499.0	-216.0	6.8	16.9	799,432.93	566,963.59	-16.87	0.40	
3,525.0	4.74	60.83	3,524.0	-191.0	7.7	18.7	799,434.73	566,964.57	-18.66	0.46	
3,550.0	4.87	60.84	3,548.9	-166.1	8.8	20.5	799,436.56	566,965.59	-20.48	0.52	
3,575.0	4.95	61.06	3,573.8	-141.2	9.8	22.4	799,438.43	566,966.63	-22.34	0.33	
3,600.0	5.10	59.35	3,598.7	-116.3	10.9	24.3	799,440.33	566,967.72	-24.24	0.85	
3,625.0	5.29	56.38	3,623.6	-91.4	12.1	26.2	799,442.24	566,968.92	-26.15	1.32	
3,650.0	5.53	53.53	3,648.5	-66.5	13.5	28.1	799,444.17	566,970.28	-28.07	1.44	
3,675.0	5.69	51.84	3,673.3	-41.7	14.9	30.1	799,446.11	566,971.76	-30.01	0.92	
3,700.0	5.92	49.89	3,698.2	-16.8	16.5	32.0	799,448.07	566,973.35	-31.96	1.21	
3,725.0	6.16	48.87	3,723.1	8.1	18.2	34.0	799,450.07	566,975.07	-33.95	1.05	
3,750.0	6.39	48.36	3,747.9	32.9	20.1	36.1	799,452.12	566,976.87	-35.99	0.95	
3,775.0	6.56	47.72	3,772.8	57.8	21.9	38.2	799,454.22	566,978.76	-38.08	0.74	
3,800.0	6.67	47.36	3,797.6	82.6	23.9	40.3	799,456.34	566,980.70	-40.19	0.47	
3,825.0	6.80	47.29	3,822.4	107.4	25.9	42.5	799,458.50	566,982.69	-42.34	0.52	
3,850.0	6.82	47.03	3,847.3	132.3	27.9	44.6	799,460.67	566,984.71	-44.50	0.15	
3,875.0	6.90	46.87	3,872.1	157.1	29.9	46.8	799,462.85	566,986.74	-46.67	0.33	
3,900.0	6.97	47.10	3,896.9	181.9	32.0	49.0	799,465.06	566,988.80	-48.87	0.30	
3,925.0	7.05	46.94	3,921.7	206.7	34.1	51.3	799,467.29	566,990.88	-51.09	0.33	
3,950.0	7.09	46.22	3,946.5	231.5	36.2	53.5	799,469.53	566,993.00	-53.32	0.39	
3,975.0	7.05	45.98	3,971.3	256.3	38.3	55.7	799,471.74	566,995.13	-55.52	0.20	
4,000.0	7.05	46.15	3,996.1	281.1	40.4	57.9	799,473.95	566,997.26	-57.72	0.08	
4,025.0	6.91	45.69	4,021.0	306.0	42.6	60.1	799,476.14	566,999.37	-59.89	0.60	
4,050.0	6.91	44.98	4,045.8	330.8	44.7	62.2	799,478.28	567,001.49	-62.02	0.34	
4,075.0	6.89	45.33	4,070.6	355.6	46.8	64.4	799,480.41	567,003.61	-64.14	0.19	
4,100.0	6.78	45.91	4,095.4	380.4	48.9	66.5	799,482.53	567,005.69	-66.26	0.52	



Morcor Engineering

Morcor Standard Plan

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Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)	
4,125.0	6.59	46.36	4,120.2	405.2	50.9	68.6	799,484.63	567,007.70	-68.35	0.79	
4,150.0	6.35	45.33	4,145.1	430.1	52.8	70.6	799,486.65	567,009.67	-70.36	1.07	
4,175.0	6.29	44.32	4,169.9	454.9	54.8	72.6	799,488.59	567,011.62	-72.29	0.51	
4,200.0	6.09	43.23	4,194.8	479.8	56.7	74.4	799,490.46	567,013.56	-74.14	0.93	
4,225.0	6.12	43.57	4,219.6	504.6	58.7	76.2	799,492.28	567,015.50	-75.96	0.19	
4,250.0	6.16	44.60	4,244.5	529.5	60.6	78.1	799,494.14	567,017.42	-77.81	0.47	
4,275.0	6.24	44.56	4,269.4	554.4	62.5	80.0	799,496.04	567,019.34	-79.70	0.32	
4,300.0	6.35	44.03	4,294.2	579.2	64.5	81.9	799,497.95	567,021.30	-81.60	0.50	
4,325.0	6.41	45.21	4,319.0	604.0	66.5	83.9	799,499.90	567,023.28	-83.54	0.58	
4,350.0	6.38	45.36	4,343.9	628.9	68.4	85.8	799,501.88	567,025.24	-85.51	0.14	
4,375.0	6.37	46.02	4,368.7	653.7	70.4	87.8	799,503.87	567,027.18	-87.49	0.30	
4,400.0	6.41	45.97	4,393.6	678.6	72.3	89.8	799,505.87	567,029.11	-89.48	0.16	
4,425.0	6.35	46.44	4,418.4	703.4	74.2	91.8	799,507.88	567,031.03	-91.48	0.32	
4,450.0	6.27	47.85	4,443.3	728.3	76.1	93.9	799,509.89	567,032.90	-93.48	0.70	
4,475.0	6.19	47.93	4,468.1	753.1	77.9	95.9	799,511.90	567,034.72	-95.49	0.32	
4,500.0	6.11	48.18	4,493.0	778.0	79.7	97.9	799,513.89	567,036.51	-97.47	0.34	
4,525.0	5.93	49.89	4,517.8	802.8	81.4	99.8	799,515.87	567,038.23	-99.44	1.02	
4,550.0	5.89	50.86	4,542.7	827.7	83.1	101.8	799,517.86	567,039.87	-101.41	0.43	
4,575.0	5.80	51.54	4,567.6	852.6	84.6	103.8	799,519.84	567,041.47	-103.39	0.45	
4,600.0	5.69	51.62	4,592.5	877.5	86.2	105.8	799,521.80	567,043.02	-105.34	0.44	
4,625.0	5.64	52.58	4,617.3	902.3	87.7	107.7	799,523.75	567,044.54	-107.28	0.43	
4,650.0	5.62	53.22	4,642.2	927.2	89.2	109.7	799,525.70	567,046.02	-109.23	0.26	
4,675.0	5.65	54.35	4,667.1	952.1	90.6	111.7	799,527.68	567,047.47	-111.21	0.46	
4,700.0	5.63	54.21	4,692.0	977.0	92.1	113.6	799,529.68	567,048.90	-113.19	0.10	
4,725.0	5.49	53.53	4,716.9	1,001.9	93.5	115.6	799,531.64	567,050.33	-115.14	0.62	
4,750.0	5.37	53.55	4,741.7	1,026.7	94.9	117.5	799,533.54	567,051.74	-117.04	0.48	
4,775.0	5.36	54.13	4,766.6	1,051.6	96.3	119.4	799,535.43	567,053.12	-118.92	0.22	



Morcor Engineering
Morcor Standard Plan

Company:	Caza Operating LLC	Local Co-ordinate Reference:	Well Igloo 19-24 State Fed Com 13H
Project:	Igloo 19-24 State Fed Com 13H	TVD Reference:	WELL @ 3715.0usft (Original Well Elev)
Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)	
4,800.0	5.31	54.70	4,791.5	1,076.5	97.6	121.3	799,537.32	567,054.47	-120.80	0.29	
4,825.0	5.39	56.33	4,816.4	1,101.4	99.0	123.2	799,539.24	567,055.79	-122.72	0.69	
4,850.0	5.44	55.75	4,841.3	1,126.3	100.3	125.2	799,541.19	567,057.11	-124.67	0.30	
4,875.0	5.47	56.34	4,866.2	1,151.2	101.6	127.1	799,543.17	567,058.43	-126.63	0.25	
4,900.0	5.39	56.97	4,891.1	1,176.1	102.9	129.1	799,545.14	567,059.73	-128.60	0.40	
4,925.0	5.27	56.41	4,916.0	1,201.0	104.2	131.0	799,547.08	567,061.01	-130.54	0.52	
4,950.0	5.24	56.45	4,940.9	1,225.9	105.5	133.0	799,548.99	567,062.27	-132.44	0.12	
4,975.0	5.21	57.23	4,965.8	1,250.8	106.7	134.9	799,550.90	567,063.52	-134.34	0.31	
5,000.0	5.20	57.66	4,990.7	1,275.7	107.9	136.8	799,552.81	567,064.74	-136.24	0.16	
5,025.0	5.27	58.35	5,015.6	1,300.6	109.1	138.7	799,554.74	567,065.95	-138.17	0.38	
5,050.0	5.26	58.59	5,040.4	1,325.4	110.3	140.7	799,556.70	567,067.15	-140.12	0.10	
5,075.0	5.25	58.51	5,065.3	1,350.3	111.5	142.6	799,558.65	567,068.34	-142.07	0.05	
5,100.0	5.22	59.48	5,090.2	1,375.2	112.7	144.6	799,560.61	567,069.52	-144.02	0.37	
5,125.0	5.16	60.16	5,115.1	1,400.1	113.8	146.5	799,562.56	567,070.66	-145.97	0.34	
5,150.0	5.07	60.08	5,140.0	1,425.0	114.9	148.5	799,564.49	567,071.77	-147.90	0.36	
5,175.0	5.09	61.54	5,164.9	1,449.9	116.0	150.4	799,566.43	567,072.85	-149.82	0.52	
5,178.0	5.10	61.72	5,167.9	1,452.9	116.1	150.6	799,566.66	567,072.97	-150.06	0.63	
5,297.0	5.07	57.83	5,286.5	1,571.5	121.5	159.7	799,575.77	567,078.28	-159.14	0.29	
5,391.0	4.20	53.74	5,380.2	1,665.2	125.7	166.0	799,582.06	567,082.52	-165.41	0.99	
5,486.0	1.74	32.44	5,475.0	1,760.0	129.0	169.6	799,585.64	567,085.80	-168.97	2.79	
5,581.0	0.83	334.65	5,570.0	1,855.0	130.8	170.1	799,586.12	567,087.64	-169.44	1.55	
5,675.0	0.76	335.46	5,664.0	1,949.0	132.0	169.5	799,585.57	567,088.82	-168.89	0.08	
5,769.0	0.87	354.91	5,758.0	2,043.0	133.3	169.2	799,585.25	567,090.10	-168.56	0.31	
5,863.0	0.79	353.20	5,852.0	2,137.0	134.6	169.1	799,585.11	567,091.45	-168.41	0.09	
5,958.0	0.85	326.08	5,947.0	2,232.0	135.9	168.6	799,584.64	567,092.69	-167.94	0.41	
6,052.0	0.96	328.11	6,040.9	2,325.9	137.1	167.8	799,583.83	567,093.94	-167.12	0.12	
6,146.0	0.04	359.92	6,134.9	2,419.9	137.8	167.4	799,583.41	567,094.64	-166.70	0.99	



Morcor Engineering Morcor Standard Plan

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Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)	
6,240.0	0.52	141.10	6,228.9	2,513.9	137.5	167.6	799,583.68	567,094.34	-166.97	0.59	
6,335.0	0.55	153.11	6,323.9	2,608.9	136.8	168.1	799,584.16	567,093.60	-167.45	0.12	
6,429.0	0.52	149.28	6,417.9	2,702.9	136.0	168.5	799,584.58	567,092.83	-167.88	0.05	
6,523.0	0.54	140.53	6,511.9	2,796.9	135.3	169.0	799,585.08	567,092.12	-168.38	0.09	
6,618.0	0.49	133.37	6,606.9	2,891.9	134.7	169.6	799,585.66	567,091.49	-168.97	0.09	
6,711.0	0.19	106.03	6,699.9	2,984.9	134.4	170.1	799,586.10	567,091.18	-169.40	0.36	
6,806.0	0.18	106.09	6,794.9	3,079.9	134.3	170.4	799,586.39	567,091.09	-169.70	0.01	
6,902.0	0.09	165.05	6,890.9	3,175.9	134.2	170.5	799,586.56	567,090.98	-169.87	0.16	
6,996.0	0.06	344.62	6,984.9	3,269.9	134.1	170.5	799,586.56	567,090.96	-169.87	0.16	
7,091.0	0.10	287.06	7,079.9	3,364.9	134.2	170.4	799,586.47	567,091.03	-169.78	0.09	
7,186.0	0.32	181.20	7,174.9	3,459.9	134.0	170.4	799,586.39	567,090.79	-169.69	0.38	
7,280.0	0.36	175.02	7,268.9	3,553.9	133.4	170.4	799,586.41	567,090.23	-169.72	0.06	
7,374.0	0.29	178.75	7,362.9	3,647.9	132.9	170.4	799,586.44	567,089.70	-169.75	0.08	
7,469.0	0.38	182.66	7,457.9	3,742.9	132.3	170.4	799,586.43	567,089.14	-169.74	0.10	
7,562.0	0.64	181.30	7,550.9	3,835.9	131.5	170.4	799,586.40	567,088.32	-169.72	0.28	
7,656.0	0.38	189.97	7,644.9	3,929.9	130.7	170.3	799,586.34	567,087.48	-169.66	0.29	
7,751.0	0.60	164.11	7,739.9	4,024.9	129.9	170.4	799,586.42	567,086.69	-169.75	0.32	
7,844.0	0.48	157.20	7,832.9	4,117.9	129.0	170.7	799,586.70	567,085.87	-170.03	0.15	
7,939.0	0.25	163.66	7,927.9	4,212.9	128.5	170.9	799,586.91	567,085.30	-170.25	0.25	
8,034.0	0.48	202.52	8,022.9	4,307.9	127.9	170.8	799,586.82	567,084.74	-170.16	0.34	
8,128.0	0.44	207.80	8,116.9	4,401.9	127.2	170.5	799,586.50	567,084.05	-169.84	0.06	
8,220.0	0.48	217.22	8,208.9	4,493.9	126.6	170.1	799,586.10	567,083.43	-169.45	0.09	
8,315.0	0.25	198.98	8,303.9	4,588.9	126.1	169.8	799,585.79	567,082.92	-169.14	0.27	
8,410.0	0.39	235.47	8,398.9	4,683.9	125.7	169.4	799,585.46	567,082.54	-168.81	0.25	
8,503.0	0.29	220.18	8,491.9	4,776.9	125.4	169.0	799,585.05	567,082.18	-168.40	0.14	
8,598.0	0.35	209.00	8,586.9	4,871.9	124.9	168.7	799,584.75	567,081.74	-168.11	0.09	
8,692.0	0.45	250.05	8,680.9	4,965.9	124.5	168.2	799,584.27	567,081.37	-167.62	0.31	



Morcor Engineering Morcor Standard Plan

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Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)	
8,786.0	0.27	277.36	8,774.9	5,059.9	124.4	167.7	799,583.70	567,081.27	-167.06	0.26	
8,880.0	0.31	278.03	8,868.9	5,153.9	124.5	167.2	799,583.23	567,081.33	-166.58	0.04	
8,974.0	0.58	279.57	8,962.9	5,247.9	124.6	166.5	799,582.51	567,081.45	-165.86	0.29	
9,069.0	0.61	249.48	9,057.9	5,342.9	124.5	165.5	799,581.56	567,081.35	-164.91	0.33	
9,163.0	0.56	242.31	9,151.9	5,436.9	124.1	164.6	799,580.68	567,080.96	-164.04	0.09	
9,257.0	0.40	220.87	9,245.9	5,530.9	123.7	164.0	799,580.06	567,080.50	-163.42	0.25	
9,351.0	0.15	262.52	9,339.9	5,624.9	123.4	163.7	799,579.73	567,080.24	-163.09	0.32	
9,446.0	0.24	210.75	9,434.9	5,719.9	123.2	163.5	799,579.50	567,080.05	-162.86	0.20	
9,541.0	0.24	139.77	9,529.9	5,814.9	122.9	163.5	799,579.53	567,079.73	-162.89	0.29	
9,635.0	0.50	134.94	9,623.9	5,908.9	122.5	163.9	799,579.94	567,079.29	-163.31	0.28	
9,730.0	0.34	118.95	9,718.9	6,003.9	122.0	164.5	799,580.48	567,078.86	-163.85	0.21	
9,824.0	0.71	146.81	9,812.9	6,097.9	121.4	165.0	799,581.05	567,078.23	-164.42	0.47	
9,918.0	0.75	152.09	9,906.8	6,191.8	120.4	165.6	799,581.65	567,077.20	-165.03	0.08	
10,011.0	1.07	160.71	9,999.8	6,284.8	119.0	166.2	799,582.23	567,075.85	-165.61	0.37	
10,105.0	1.12	170.45	10,093.8	6,378.8	117.3	166.6	799,582.67	567,074.11	-166.06	0.20	
10,199.0	1.08	191.61	10,187.8	6,472.8	115.5	166.6	799,582.64	567,072.34	-166.04	0.43	
10,265.0	1.19	192.17	10,253.8	6,538.8	114.2	166.3	799,582.37	567,071.06	-165.78	0.17	
10,313.0	5.41	252.70	10,301.7	6,586.7	113.1	164.1	799,580.11	567,069.90	-163.52	10.28	
10,360.0	13.46	264.52	10,348.0	6,633.0	111.9	156.5	799,572.53	567,068.71	-155.95	17.53	
10,407.0	21.08	267.58	10,392.9	6,677.9	111.0	142.6	799,558.62	567,067.83	-142.04	16.32	
10,454.0	27.43	264.91	10,435.7	6,720.7	109.7	123.3	799,539.37	567,066.52	-122.80	13.71	
10,500.0	32.40	265.28	10,475.6	6,760.6	107.7	100.5	799,516.52	567,064.56	-99.96	10.81	
10,547.0	34.84	266.61	10,514.7	6,799.7	105.9	74.5	799,490.57	567,062.73	-74.02	5.42	
10,594.0	40.28	270.09	10,552.0	6,837.0	105.1	45.9	799,461.95	567,061.96	-45.40	12.42	
10,641.0	41.77	270.75	10,587.4	6,872.4	105.4	15.1	799,431.10	567,062.19	-14.55	3.30	
10,689.0	42.77	270.26	10,622.9	6,907.9	105.6	-17.2	799,398.82	567,062.47	17.73	2.19	
10,736.0	43.54	270.15	10,657.2	6,942.2	105.8	-49.4	799,366.67	567,062.59	49.88	1.65	



Morcor Engineering Morcor Standard Plan

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Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
10,784.0	49.72	270.37	10,690.2	6,975.2	105.9	-84.2	799,331.80	567,062.75	84.76	12.88
10,831.0	56.78	270.44	10,718.3	7,003.3	106.2	-121.9	799,294.16	567,063.01	122.39	15.02
10,878.0	60.44	271.14	10,742.7	7,027.7	106.8	-162.0	799,254.05	567,063.57	162.50	7.89
10,925.0	63.77	270.96	10,764.7	7,049.7	107.5	-203.5	799,212.52	567,064.33	204.03	7.09
10,972.0	65.69	270.67	10,784.8	7,069.8	108.1	-246.0	799,170.03	567,064.94	246.53	4.12
11,019.0	71.58	269.60	10,801.9	7,086.9	108.2	-289.8	799,126.28	567,065.03	290.28	12.71
11,066.0	78.23	268.57	10,814.1	7,099.1	107.5	-335.1	799,080.93	567,064.30	335.62	14.31
11,113.0	85.68	268.23	10,820.7	7,105.7	106.2	-381.6	799,034.45	567,063.00	382.10	15.87
11,160.0	91.68	269.37	10,821.8	7,106.8	105.2	-428.5	798,987.49	567,062.02	429.05	12.99
11,254.0	92.74	269.81	10,818.2	7,103.2	104.5	-522.5	798,893.57	567,061.35	522.97	1.22
11,317.0	93.17	269.90	10,814.9	7,099.9	104.4	-585.4	798,830.65	567,061.19	585.89	0.70
11,338.0	93.33	270.79	10,813.7	7,098.7	104.5	-606.4	798,809.68	567,061.31	606.85	4.30
11,432.0	93.11	271.58	10,808.5	7,093.5	106.4	-700.2	798,715.85	567,063.25	700.69	0.87
11,526.0	93.17	272.04	10,803.3	7,088.3	109.4	-794.0	798,622.04	567,066.22	794.52	0.49
11,620.0	93.16	272.64	10,798.1	7,083.1	113.2	-887.8	798,528.26	567,070.05	888.31	0.64
11,714.0	94.09	270.71	10,792.2	7,077.2	116.0	-981.5	798,434.50	567,072.79	982.09	2.28
11,808.0	94.17	270.61	10,785.4	7,070.4	117.1	-1,075.3	798,340.75	567,073.87	1,075.85	0.14
11,902.0	94.12	271.12	10,778.6	7,063.6	118.5	-1,169.0	798,247.00	567,075.29	1,169.60	0.54
11,997.0	94.17	271.72	10,771.7	7,056.7	120.8	-1,263.8	798,152.28	567,077.64	1,264.33	0.63
12,090.0	93.05	271.83	10,765.9	7,050.9	123.7	-1,356.5	798,059.51	567,080.51	1,357.11	1.21
12,184.0	93.08	269.63	10,760.9	7,045.9	124.9	-1,450.4	797,965.66	567,081.71	1,450.97	2.34
12,279.0	93.08	269.03	10,755.8	7,040.8	123.8	-1,545.2	797,870.80	567,080.60	1,545.82	0.63
12,373.0	93.19	269.20	10,750.6	7,035.6	122.3	-1,639.1	797,776.96	567,079.15	1,639.66	0.22
12,467.0	93.19	270.09	10,745.4	7,030.4	121.7	-1,732.9	797,683.10	567,078.57	1,733.50	0.95
12,561.0	93.16	270.73	10,740.2	7,025.2	122.4	-1,826.8	797,589.25	567,079.24	1,827.36	0.68
12,656.0	93.02	269.98	10,735.1	7,020.1	123.0	-1,921.6	797,494.39	567,079.83	1,922.22	0.80
12,750.0	93.08	269.62	10,730.1	7,015.1	122.7	-2,015.5	797,400.53	567,079.50	2,016.08	0.39



Morcor Engineering Morcor Standard Plan

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Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)	
12,845.0	93.05	268.82	10,725.0	7,010.0	121.4	-2,110.4	797,305.67	567,078.21	2,110.93	0.84	
12,939.0	93.36	267.94	10,719.7	7,004.7	118.7	-2,204.2	797,211.86	567,075.55	2,204.73	0.99	
13,034.0	94.09	267.94	10,713.5	6,998.5	115.3	-2,298.9	797,117.12	567,072.15	2,299.45	0.77	
13,127.0	94.09	267.69	10,706.9	6,991.9	111.8	-2,391.6	797,024.42	567,068.61	2,392.13	0.27	
13,222.0	94.09	268.35	10,700.1	6,985.1	108.5	-2,486.3	796,929.72	567,065.34	2,486.81	0.69	
13,316.0	94.03	269.31	10,693.5	6,978.5	106.6	-2,580.1	796,835.98	567,063.42	2,580.54	1.02	
13,410.0	94.03	270.15	10,686.9	6,971.9	106.2	-2,673.8	796,742.21	567,062.98	2,674.31	0.89	
13,504.0	93.08	269.97	10,681.0	6,966.0	106.3	-2,767.6	796,648.40	567,063.08	2,768.12	1.03	
13,598.0	92.83	269.17	10,676.2	6,961.2	105.6	-2,861.5	796,554.53	567,062.37	2,861.99	0.89	
13,692.0	89.94	271.26	10,673.9	6,958.9	105.9	-2,955.5	796,460.57	567,062.73	2,955.95	3.79	
13,787.0	89.92	270.51	10,674.0	6,959.0	107.4	-3,050.5	796,365.58	567,064.19	3,050.94	0.79	
13,881.0	90.03	268.42	10,674.1	6,959.1	106.5	-3,144.4	796,271.59	567,063.32	3,144.93	2.23	
13,976.0	90.64	266.08	10,673.5	6,958.5	101.9	-3,239.3	796,176.71	567,058.76	3,239.79	2.55	
14,070.0	93.05	264.82	10,670.5	6,955.5	94.5	-3,333.0	796,083.06	567,051.31	3,333.39	2.89	
14,165.0	95.07	265.28	10,663.8	6,948.8	86.3	-3,427.4	795,988.66	567,043.13	3,427.76	2.18	
14,259.0	98.03	266.30	10,653.1	6,938.1	79.5	-3,520.5	795,895.54	567,036.27	3,520.84	3.33	
14,354.0	98.77	267.01	10,639.2	6,924.2	74.0	-3,614.3	795,801.72	567,030.79	3,614.64	1.07	
14,448.0	99.29	267.35	10,624.4	6,909.4	69.4	-3,707.0	795,708.99	567,026.22	3,707.33	0.66	
14,542.0	99.97	267.55	10,608.7	6,893.7	65.3	-3,799.6	795,616.41	567,022.10	3,799.90	0.75	
14,636.0	100.66	267.72	10,591.9	6,876.9	61.5	-3,892.0	795,524.01	567,018.28	3,892.28	0.76	
14,746.0	102.90	267.90	10,569.4	6,854.4	57.3	-3,999.6	795,416.41	567,014.17	3,999.85	2.04	
14,840.0	103.08	272.13	10,548.3	6,833.3	57.4	-4,091.2	795,324.84	567,014.19	4,091.42	4.39	
14,934.0	96.36	274.53	10,532.4	6,817.4	62.8	-4,183.6	795,232.41	567,019.59	4,183.88	7.58	
15,028.0	92.41	273.91	10,525.2	6,810.2	69.7	-4,277.1	795,138.96	567,026.48	4,277.37	4.25	
15,122.0	88.63	273.07	10,524.4	6,809.4	75.4	-4,370.9	795,045.15	567,032.20	4,371.20	4.12	
15,216.0	89.50	274.13	10,525.9	6,810.9	81.3	-4,464.7	794,951.35	567,038.10	4,465.03	1.46	
15,311.0	89.58	270.76	10,526.7	6,811.7	85.3	-4,559.6	794,856.46	567,042.15	4,559.94	3.55	



Morcor Engineering Morcor Standard Plan

Company:	Caza Operating LLC	Local Co-ordinate Reference:	Well Igloo 19-24 State Fed Com 13H
Project:	Igloo 19-24 State Fed Com 13H	TVD Reference:	WELL @ 3715.0usft (Original Well Elev)
Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
15,405.0	90.95	270.59	10,526.2	6,811.2	86.4	-4,653.6	794,762.47	567,043.26	4,653.94	1.47
15,499.0	89.52	272.17	10,525.9	6,810.9	88.7	-4,747.5	794,668.50	567,045.53	4,747.91	2.27
15,594.0	89.78	273.34	10,526.4	6,811.4	93.3	-4,842.4	794,573.61	567,050.09	4,842.82	1.26
15,689.0	90.78	273.73	10,526.0	6,811.0	99.1	-4,937.2	794,478.80	567,055.95	4,937.66	1.13
15,783.0	91.65	271.85	10,524.0	6,809.0	103.7	-5,031.1	794,384.93	567,060.52	5,031.55	2.20
15,877.0	90.03	270.95	10,522.6	6,807.6	106.0	-5,125.1	794,290.98	567,062.82	5,125.52	1.97
15,971.0	90.00	270.79	10,522.6	6,807.6	107.4	-5,219.0	794,196.99	567,064.25	5,219.51	0.17
16,065.0	90.62	271.62	10,522.1	6,807.1	109.4	-5,313.0	794,103.01	567,066.22	5,313.50	1.10
16,159.0	89.86	270.66	10,521.7	6,806.7	111.3	-5,407.0	794,009.03	567,068.09	5,407.48	1.30
16,253.0	89.69	268.56	10,522.0	6,807.0	110.6	-5,501.0	793,915.04	567,067.45	5,501.47	2.24
16,347.0	90.67	268.04	10,521.7	6,806.7	107.8	-5,595.0	793,821.08	567,064.67	5,595.41	1.18
16,442.0	89.55	268.70	10,521.6	6,806.6	105.1	-5,689.9	793,726.12	567,061.96	5,690.36	1.37
16,536.0	89.75	269.00	10,522.1	6,807.1	103.3	-5,783.9	793,632.14	567,060.08	5,784.33	0.38
16,630.0	90.62	269.52	10,521.8	6,806.8	102.0	-5,877.9	793,538.15	567,058.86	5,878.31	1.08
16,724.0	89.44	268.60	10,521.8	6,806.8	100.5	-5,971.9	793,444.17	567,057.32	5,972.29	1.59
16,819.0	89.83	268.43	10,522.4	6,807.4	98.0	-6,066.8	793,349.20	567,054.86	6,067.24	0.45
16,913.0	90.62	268.82	10,522.0	6,807.0	95.8	-6,160.8	793,255.23	567,052.60	6,161.20	0.94
17,007.0	88.82	268.88	10,522.5	6,807.5	93.9	-6,254.8	793,161.26	567,050.72	6,255.16	1.92
17,102.0	89.80	270.29	10,523.6	6,808.6	93.2	-6,349.8	793,066.27	567,050.03	6,350.15	1.81
17,196.0	87.84	269.20	10,525.6	6,810.6	92.8	-6,443.7	792,972.30	567,049.61	6,444.12	2.39
17,290.0	87.79	268.75	10,529.1	6,814.1	91.1	-6,537.7	792,878.38	567,047.93	6,538.02	0.48
17,385.0	87.76	268.28	10,532.8	6,817.8	88.6	-6,632.6	792,783.48	567,045.47	6,632.91	0.50
17,479.0	90.36	268.07	10,534.4	6,819.4	85.7	-6,726.5	792,689.55	567,042.48	6,726.82	2.77
17,573.0	91.23	268.62	10,533.1	6,818.1	82.9	-6,820.4	792,595.60	567,039.76	6,820.76	1.09
17,667.0	92.60	268.79	10,529.9	6,814.9	80.8	-6,914.4	792,501.68	567,037.64	6,914.67	1.47
17,762.0	91.26	268.79	10,526.7	6,811.7	78.8	-7,009.3	792,406.76	567,035.63	7,009.58	1.41
17,856.0	90.25	269.83	10,525.5	6,810.5	77.7	-7,103.3	792,312.77	567,034.50	7,103.56	1.54



Morcor Engineering

Morcor Standard Plan

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Site:	Igloo 19-24 State Fed Com 13H	MD Reference:	WELL @ 3715.0usft (Original Well Elev)
Well:	Igloo 19-24 State Fed Com 13H	North Reference:	Grid
Wellbore:	Igloo 19-24 State Fed Com 13H	Survey Calculation Method:	Minimum Curvature
Design:	Igloo 19-24 State Fed Com 13H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)	
17,951.0	90.59	269.79	10,524.8	6,809.8	77.4	-7,198.3	792,217.78	567,034.19	7,198.55	0.36	
18,045.0	92.27	269.52	10,522.4	6,807.4	76.8	-7,292.2	792,123.81	567,033.62	7,292.51	1.81	
18,140.0	90.36	268.55	10,520.3	6,805.3	75.2	-7,387.2	792,028.86	567,032.02	7,387.46	2.25	
18,234.0	92.02	268.67	10,518.3	6,803.3	72.9	-7,481.1	791,934.91	567,029.74	7,481.39	1.77	
18,328.0	93.17	269.17	10,514.1	6,799.1	71.2	-7,575.0	791,841.02	567,027.97	7,575.27	1.33	
18,422.0	91.57	269.18	10,510.2	6,795.2	69.8	-7,668.9	791,747.11	567,026.62	7,669.17	1.70	
18,516.0	92.18	269.41	10,507.1	6,792.1	68.6	-7,762.9	791,653.17	567,025.46	7,763.10	0.69	
18,610.0	94.12	269.44	10,501.9	6,786.9	67.7	-7,856.7	791,559.32	567,024.52	7,856.95	2.06	
18,704.0	92.52	269.61	10,496.5	6,781.5	66.9	-7,950.5	791,465.49	567,023.74	7,950.78	1.71	
18,798.0	92.80	270.36	10,492.1	6,777.1	66.9	-8,044.4	791,371.59	567,023.72	8,044.67	0.85	
18,846.0	93.19	270.36	10,489.6	6,774.6	67.2	-8,092.4	791,323.66	567,024.02	8,092.61	0.81	
18,913.0	93.19	270.36	10,485.9	6,770.9	67.6	-8,159.3	791,256.76	567,024.44	8,159.51	0.00	

Checked By: _____ Approved By: _____ Date: _____

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 20720

ACKNOWLEDGMENTS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 20720
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 20720

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 20720
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	Submit all drilling and completion sundries and completion report.	6/11/2021