

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Mewbourne Oil Company PO Box 5270 Hobbs, NM 88241		² OGRID Number 14744	
⁴ API Number 30-015-49315		⁵ Pool Name [49553] PALMILLO;BONE SPRING, EAST	
⁷ Property Code 3325467		⁶ Pool Code 49553	
⁸ Property Name Puma Blanca 22 B2IL Fed Com		⁹ Well Number 1H	

II. ¹⁰ Surface Location

UL or lot no. P	Section 22	Township 18S	Range 29E	Lot Idn	Feet from the South	North/South Line South	Feet from the East	East/West line Eddy	County
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¹¹ Bottom Hole Location

UL or lot no. L	Section 22	Township 18S	Range 29E	Lot Idn	Feet from the South	North/South line South	Feet from the West	East/West line Eddy	County
¹² Lse Code S	¹³ Producing Method Code Gas Lift	¹⁴ Gas Connection Date 08/02/2022	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

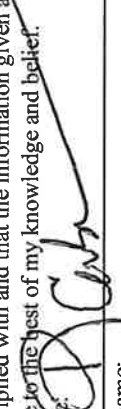
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
34053	Plains Marketing 3514 Lovington Hwy Hobbs, NM 88240	O
221115	Frontier Field Services 4200 E. Skelly Drive, Suite 700 Tulsa, OK 74135	G

IV. Well Completion Data

²¹ Spud Date 04/10/22	²² Ready Date 08/02/22	²³ TD 12895' MD	²⁴ PBTD 12870'	²⁵ Perforations 8031'-12848'	²⁶ DHC, MC NA
²⁷ Hole Size	²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
17 1/2"	13 3/4" 54.5# J55		410'		450
12 1/4"	9 5/8" 40# L80IC		1060'		325
8 3/4"	7" 29# HCP110		7971'		800
6 1/8"	4 1/2" 13.5# ICP110		7317'-12895'		550

V. Well Test Data

³¹ Date New Oil 08/02/22	³² Gas Delivery Date 08/02/22	³³ Test Date 08/21/22	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 340	³⁶ Csg. Pressure 180
³⁷ Choke Size NA	³⁸ Oil 122	³⁹ Water 2465	⁴⁰ Gas 88	⁴¹ Test Method Production	
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 					
Printed name: Ruby Caballero					
Title: Regulatory					
E-mail Address: rcaballero@mewbourne.com					
Date: 8/31/2022		Phone: 575-393-5905			

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

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-49315		² Pool Code 49553		³ Pool Name PALMILLO; BONE SPRING, EAST					
⁴ Property Code 332467		⁵ Property Name PUMA BLANCA 22 B2IL FED COM						⁶ Well Number 1H	
⁷ GRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3478'	
¹⁰ Surface Location									
UL or lot no. P	Section 22	Township 18S	Range 29E	Lot Idn	Feet from the 930	North/South line SOUTH	Feet From the 420	East/West line EAST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. L	Section 22	Township 18S	Range 29E	Lot Idn	Feet from the 1975	North/South line SOUTH	Feet from the 79	East/West line WEST	County EDDY
¹² Dedicated Acres 160		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

③ S 89°48'53" W 2644.37' ① ② S 89°50'34" W 2643.91' ④		⑤	
16 CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1916" N: 627842.7 - E: 621952.4 B: FOUND BRASS CAP "1914" N: 630488.0 - E: 621947.3 C: FOUND BRASS CAP "1916" N: 633128.5 - E: 621940.8 D: FOUND 1" PIPE N: 633137.1 - E: 624584.5 E: FOUND BRASS CAP "1916" N: 633144.3 - E: 627227.7 F: FOUND BRASS CAP "1916" N: 630500.5 - E: 627230.9 G: FOUND BRASS CAP "1916" N: 627863.0 - E: 627242.7 M: FOUND BRASS CAP "1916" N: 627856.2 - E: 624598.6		GEODETIC DATA NAD 83 GRID - NM EAST <u>SURFACE LOCATION (SL)</u> N: 628791.5 - E: 626818.7 LAT: 32.7282789° N LONG: 104.0553576° W <u>KICK OFF POINT (KOP)</u> 1966' FSL - 22' FEL N: 629828.9 - E: 627211.8 LAT: 32.7311274° N LONG: 104.0540705° W <u>FIRST TAKE POINT (FTP)</u> 1995' FSL - 358' FEL N: 629856.6 - E: 626875.9 LAT: 32.7312061° N LONG: 104.0551628° W	
S 00°08'30" E 2641.25' S 00°06'35" E 2645.90'		N 00°04'05" W 2644.50' N 00°15'25" W	
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Company: Mewbourne Oil Company
Well: Puma Blanca 22 B2IL Fed Com 1H
County: Eddy County, New Mexico (NAD 83)
Rig: Patterson 558
Wellbore: Wellbore #1
Design: Design #1
Date: 16:35, April 26 2022



Azimuths to Grid North
True North: -0.15°
Magnetic North: 6.92°
Magnetic Field
Strength: 47744.3nT
Dip Angle: 60.40°
Date: 4/10/2022
Model: HDGM2022

To convert a Magnetic Direction to a Grid Direction, Add 6.916°
To convert a Magnetic Direction to a True Direction, Add 7.067° East
To convert a True Direction to a Grid Direction, Subtract 0.150°

WELL DETAILS: Puma Blanca 22 B2IL Fed Com 1H

+N-S	+E-W	GL @ 3478.00	Well @ 3505.00ust (Patterson 558)	Longitude
0.00	0.00	Northing 628791.50	Easting 626818.70	32° 43' 41.804 N 104° 3' 19.288 W

DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
BHL	7795.00	1031.20	-4770.10	629822.70	622048.60	32° 43' 52.128 N	104° 4' 15.100 W
FTP/LP	7886.00	1050.59	315.14	629842.09	627133.84	32° 43' 52.181 N	104° 3' 15.566 W
KOP	7307.02	1050.94	405.14	629842.44	627223.84	32° 43' 52.192 N	104° 3' 14.513 W

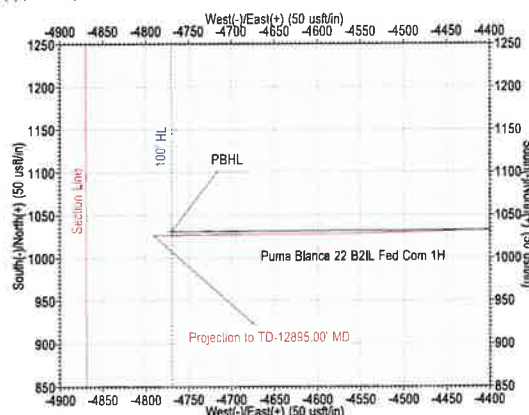
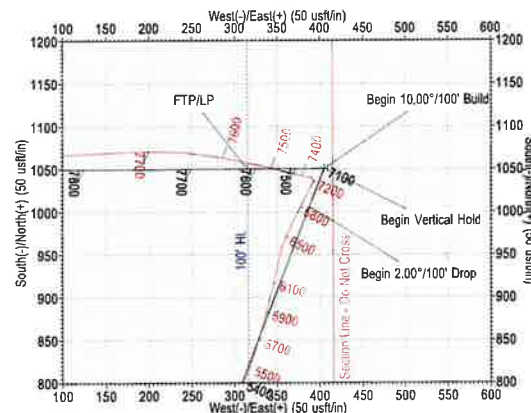
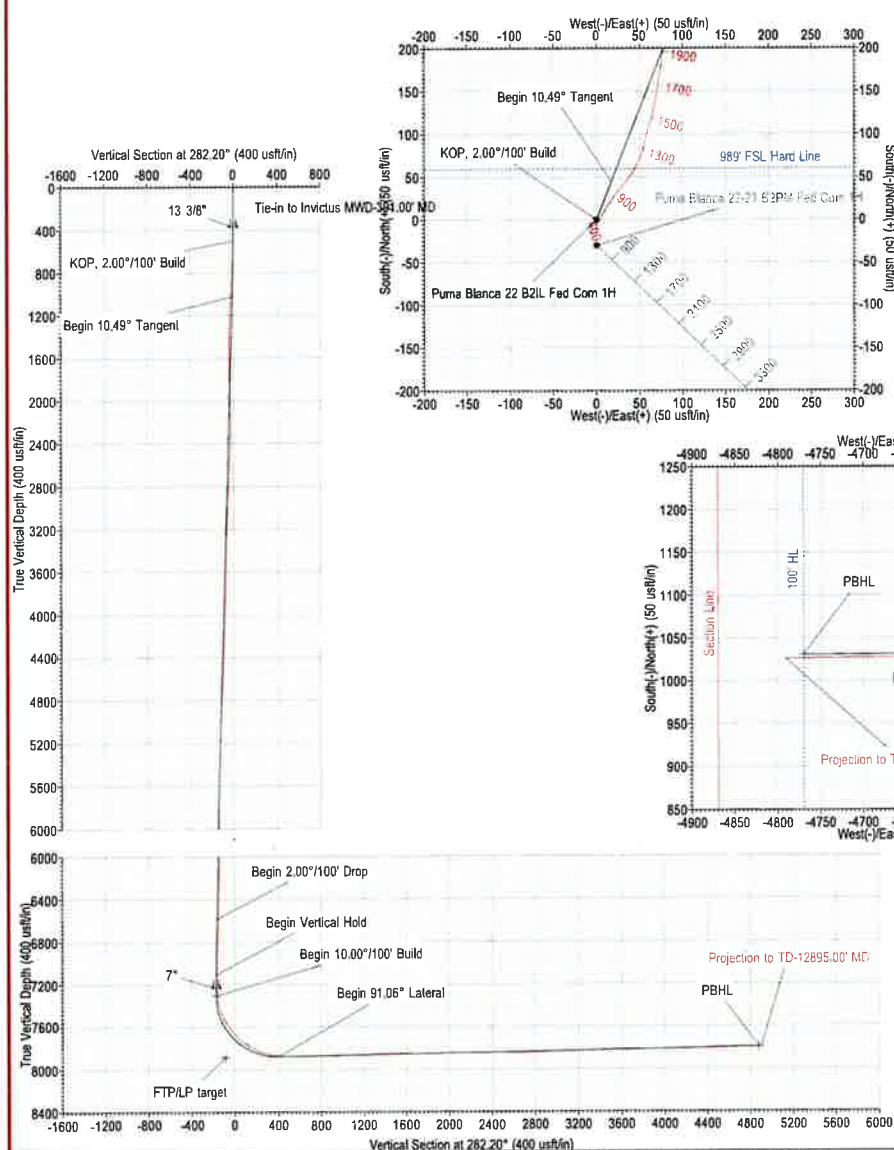
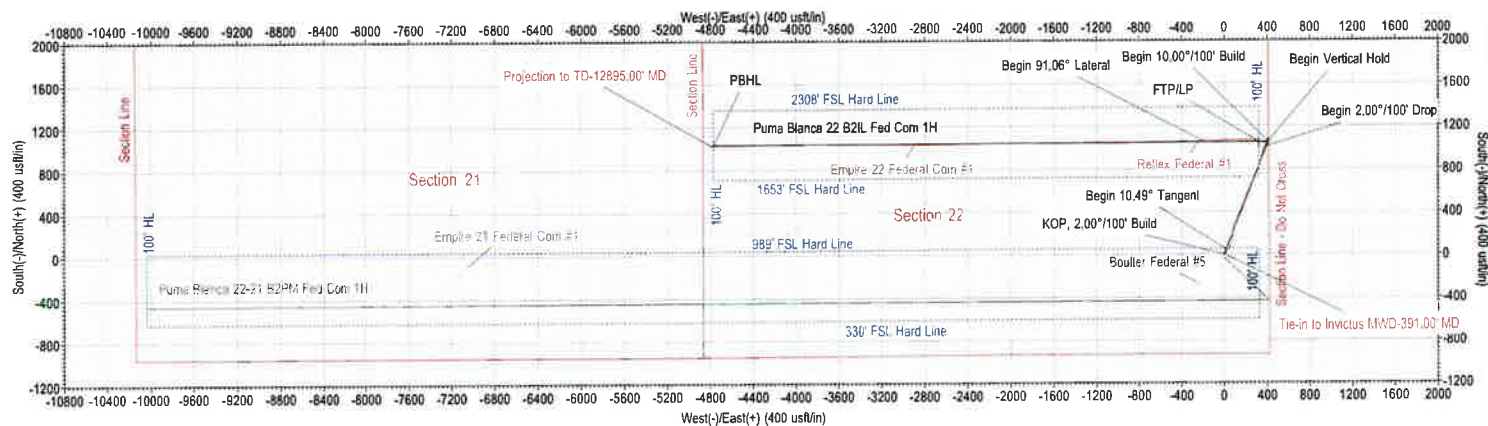
SECTION DETAILS

SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool
0.00	12910.62	Design #1 (Wellbore #1) MWD+HRGM	



MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSet	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	KOP, 2.00°/100' Build
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.000	0.00	Begin 10.49° Tangent
1024.68	10.49	21.08	1021.76	44.71	17.23	2.00	21.082	-7.40	Begin 2.00°/100' Drop
6682.82	10.49	21.08	6585.26	1006.23	387.91	0.00	0.000	-166.54	Begin Vertical Hold
7207.51	0.00	0.00	7107.02	1050.94	405.14	2.00	180.000	-173.94	Begin Vertical Hold
7407.51	0.00	0.00	7307.02	1050.94	405.14	0.00	0.000	-173.94	Begin 10.00°/100' Build
8318.10	91.06	269.78	7879.88	1048.71	-178.40	10.00	269.781	395.96	Begin 91.06° Lateral
12910.62	91.06	269.78	7795.00	1031.20	-4770.10	0.00	0.000	4880.29	PBHL





Mewbourne Oil Company

Eddy County, New Mexico (NAD 83)

Puma Blanca

Puma Blanca 22 B2IL Fed Com 1H

Wellbore #1

Design: Surveys

Standard Survey Report

26 April, 2022





MS Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Puma Blanca 22 B2IL Fed Com 1H
Project:	Eddy County, New Mexico (NAD 83)	TVD Reference:	Well @ 3505.00usft (Patterson 558)
Site:	Puma Blanca	MD Reference:	Well @ 3505.00usft (Patterson 558)
Well:	Puma Blanca 22 B2IL Fed Com 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	41-MSD-Conroe-EDM5000

Project	Eddy County, New Mexico (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Puma Blanca		
Site Position:		Northing:	628,791.50 usft
From:	Map	Easting:	626,818.70 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 43' 41.804 N
		Longitude:	104° 3' 19.288 W

Well	Puma Blanca 22 B2IL Fed Com 1H		
Well Position	+N/-S	0.00 usft	Northing: 628,791.50 usft
	+E/-W	0.00 usft	Easting: 626,818.70 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.150 °	Ground Level:	3,478.00 usft

Wellbore	Wellbore #1		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	4/10/2022	7.067	60.400	47,744.30

Design	Surveys		
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Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Tie On Depth:	0.00		

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	282.20

Survey Program		Date 4/26/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
164.00	391.00	Invictus MWD (Wellbore #1)	MWD	OWSG MWD - Standard
554.00	12,895.00	Gordon MWD (Wellbore #1)	MWD+HRGM	OWSG MWD + HRGM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164.00	0.10	255.59	164.00	-0.04	-0.14	0.13	0.06	0.06	0.00
294.00	0.30	101.59	294.00	-0.13	0.08	-0.11	0.30	0.15	-118.46
391.00	0.60	77.59	391.00	-0.07	0.83	-0.83	0.36	0.31	-24.74
Tie-in to Invictus MWD-391.00' MD									
554.00	1.80	45.20	553.96	1.91	3.48	-3.00	0.82	0.74	-19.87
707.00	7.34	30.62	706.42	12.03	10.17	-7.40	3.67	3.62	-9.53
894.00	7.42	37.77	891.87	31.85	23.65	-16.38	0.49	0.04	3.82
1,008.00	6.93	39.05	1,004.98	43.01	32.49	-22.67	0.45	-0.43	1.12



MS Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Puma Blanca 22 B2IL Fed Com 1H
Project:	Eddy County, New Mexico (NAD 83)	TVD Reference:	Well @ 3505.00usft (Patterson 558)
Site:	Puma Blanca	MD Reference:	Well @ 3505.00usft (Patterson 558)
Well:	Puma Blanca 22 B2IL Fed Com 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	41-MSD-Conroe-EDM5000

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,142.00	8.48	31.51	1,137.77	57.71	42.75	-29.59	1.38	1.16	-5.63
1,327.00	10.44	15.29	1,320.28	85.52	54.30	-35.00	1.78	1.06	-8.77
1,510.00	11.29	14.49	1,499.99	118.86	63.15	-36.61	0.47	0.46	-0.44
1,695.00	11.06	8.67	1,681.49	153.93	70.36	-36.24	0.62	-0.12	-3.15
1,884.00	11.22	7.92	1,866.93	190.07	75.63	-33.75	0.11	0.08	-0.40
2,074.00	10.18	7.69	2,053.62	225.01	80.42	-31.05	0.55	-0.55	-0.12
2,265.00	9.12	5.47	2,241.92	256.81	84.12	-27.95	0.59	-0.55	-1.16
2,454.00	10.86	26.88	2,428.11	287.61	93.60	-30.71	2.15	0.92	11.33
2,644.00	11.04	25.76	2,614.65	319.96	109.60	-39.51	0.15	0.09	-0.59
2,833.00	10.51	24.21	2,800.32	351.98	124.54	-47.34	0.32	-0.28	-0.82
3,022.00	10.33	25.53	2,986.20	383.00	138.91	-54.84	0.16	-0.10	0.70
3,211.00	10.40	24.19	3,172.12	413.85	153.20	-62.29	0.13	0.04	-0.71
3,399.00	10.35	19.74	3,357.05	445.22	165.86	-68.03	0.43	-0.03	-2.37
3,588.00	10.31	15.92	3,542.99	477.47	176.23	-71.35	0.36	-0.02	-2.02
3,776.00	10.14	12.96	3,728.00	509.77	184.56	-72.66	0.29	-0.09	-1.57
3,966.00	11.15	26.77	3,914.76	542.48	196.59	-77.51	1.44	0.53	7.27
4,153.00	10.21	23.40	4,098.52	573.84	211.31	-85.28	0.60	-0.50	-1.80
4,342.00	8.94	19.58	4,284.89	603.05	222.89	-90.42	0.75	-0.67	-2.02
4,532.00	9.88	25.87	4,472.33	631.62	234.95	-96.16	0.73	0.49	3.31
4,720.00	11.99	27.40	4,656.91	663.48	250.97	-105.10	1.13	1.12	0.81
4,908.00	12.21	24.69	4,840.73	698.88	268.27	-114.52	0.32	0.12	-1.44
5,097.00	11.74	23.47	5,025.62	734.67	284.27	-122.60	0.28	-0.25	-0.65
5,286.00	10.94	22.41	5,210.93	768.89	298.77	-129.53	0.44	-0.42	-0.56
5,475.00	10.11	19.53	5,396.75	801.11	311.15	-134.83	0.52	-0.44	-1.52
5,664.00	9.86	19.60	5,582.89	831.99	322.12	-139.03	0.13	-0.13	0.04
5,853.00	9.07	15.45	5,769.31	861.59	331.52	-141.96	0.55	-0.42	-2.20
6,043.00	10.34	14.04	5,956.59	892.57	339.65	-143.36	0.68	0.67	-0.74
6,233.00	9.73	13.76	6,143.68	924.70	347.60	-144.34	0.32	-0.32	-0.15
6,422.00	6.95	11.68	6,330.67	951.42	353.72	-144.67	1.48	-1.47	-1.10
6,611.00	7.42	26.55	6,518.20	973.54	361.49	-147.59	1.01	0.25	7.87
6,800.00	7.33	26.28	6,705.64	995.27	372.28	-153.55	0.05	-0.05	-0.14
6,989.00	6.52	26.51	6,893.25	1,015.68	382.41	-159.14	0.43	-0.43	0.12
7,141.00	3.72	29.12	7,044.63	1,027.71	388.66	-162.70	1.85	-1.84	1.72
7,329.00	2.81	18.77	7,232.33	1,037.40	393.11	-165.01	0.57	-0.48	-5.51
7,424.00	4.69	279.30	7,327.19	1,040.24	390.03	-161.39	6.16	1.98	-104.71
7,471.00	10.00	281.12	7,373.79	1,041.34	384.12	-155.39	11.31	11.30	3.87
7,518.00	16.63	284.06	7,419.50	1,043.76	373.58	-144.57	14.18	14.11	6.26
7,565.00	22.19	283.69	7,463.81	1,047.50	358.42	-128.97	11.83	11.83	-0.79
7,612.00	27.84	283.71	7,506.39	1,052.20	339.12	-109.11	12.02	12.02	0.04
7,659.00	29.82	282.14	7,547.56	1,057.26	317.03	-86.45	4.51	4.21	-3.34
7,707.00	32.06	281.26	7,588.73	1,062.26	292.87	-61.77	4.76	4.67	-1.83
7,754.00	37.53	278.19	7,627.31	1,066.74	266.44	-35.00	12.22	11.64	-6.53
7,802.00	42.74	274.44	7,664.00	1,070.08	235.71	-4.25	11.96	10.85	-7.81



MS Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Puma Blanca 22 B2IL Fed Com 1H
Project:	Eddy County, New Mexico (NAD 83)	TVD Reference:	Well @ 3505.00usft (Patterson 558)
Site:	Puma Blanca	MD Reference:	Well @ 3505.00usft (Patterson 558)
Well:	Puma Blanca 22 B2IL Fed Com 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	41-MSD-Conroe-EDM5000

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,849.00	46.68	269.62	7,697.41	1,071.21	202.69	28.26	11.06	8.38	-10.26
7,896.00	49.56	265.91	7,728.79	1,069.82	167.74	62.13	8.49	6.13	-7.89
8,026.00	60.25	268.86	7,803.43	1,065.15	61.65	164.84	8.43	8.22	2.27
8,073.00	67.43	270.46	7,824.14	1,064.92	19.49	205.99	15.58	15.28	3.40
8,121.00	74.89	270.56	7,839.63	1,065.32	-25.90	250.45	15.54	15.54	0.21
8,168.00	77.52	270.21	7,850.84	1,065.63	-71.54	295.12	5.64	5.60	-0.74
8,216.00	75.69	269.68	7,861.96	1,065.59	-118.23	340.75	3.96	-3.81	-1.10
8,263.00	80.02	267.30	7,871.84	1,064.37	-164.15	385.37	10.46	9.21	-5.06
8,311.00	88.03	267.17	7,876.84	1,062.07	-211.80	431.45	16.69	16.69	-0.27
8,406.00	88.39	267.71	7,879.80	1,057.83	-306.66	523.27	0.68	0.38	0.57
8,501.00	92.26	269.44	7,879.26	1,055.46	-401.60	615.58	4.46	4.07	1.82
8,595.00	92.96	270.09	7,874.98	1,055.08	-495.50	707.28	1.02	0.74	0.69
8,690.00	93.13	270.11	7,869.94	1,055.24	-590.37	800.04	0.18	0.18	0.02
8,786.00	92.48	266.98	7,865.24	1,052.81	-686.21	893.20	3.33	-0.68	-3.26
8,881.00	89.87	267.66	7,863.29	1,048.37	-781.08	984.98	2.84	-2.75	0.72
8,977.00	89.57	267.13	7,863.76	1,044.01	-876.98	1,077.80	0.63	-0.31	-0.55
9,071.00	92.68	267.71	7,861.91	1,039.77	-970.85	1,168.66	3.37	3.31	0.62
9,167.00	92.82	270.64	7,857.31	1,038.39	-1,066.72	1,262.07	3.05	0.15	3.05
9,262.00	93.35	272.02	7,852.19	1,040.60	-1,161.56	1,355.23	1.55	0.56	1.45
9,357.00	90.77	270.72	7,848.78	1,042.86	-1,256.46	1,448.46	3.04	-2.72	-1.37
9,451.00	90.38	268.94	7,847.84	1,042.59	-1,350.45	1,540.27	1.94	-0.41	-1.89
9,546.00	85.36	267.99	7,851.37	1,040.04	-1,445.32	1,632.46	5.38	-5.28	-1.00
9,641.00	86.96	270.22	7,857.73	1,038.57	-1,540.08	1,724.78	2.88	1.68	2.35
9,736.00	92.34	270.53	7,858.31	1,039.19	-1,635.04	1,817.72	5.67	5.66	0.33
9,830.00	93.29	271.84	7,853.69	1,041.13	-1,728.91	1,909.88	1.72	1.01	1.39
9,925.00	91.22	271.51	7,849.95	1,043.90	-1,823.79	2,003.20	2.21	-2.18	-0.35
10,020.00	91.11	271.02	7,848.02	1,046.00	-1,918.74	2,096.46	0.53	-0.12	-0.52
10,115.00	88.78	268.35	7,848.11	1,045.48	-2,013.73	2,189.18	3.73	-2.45	-2.81
10,208.00	91.25	268.95	7,848.09	1,043.29	-2,106.69	2,279.59	2.73	2.66	0.65
10,302.00	92.14	269.37	7,845.31	1,041.91	-2,200.64	2,371.12	1.05	0.95	0.45
10,397.00	90.21	268.66	7,843.36	1,040.28	-2,295.60	2,463.59	2.16	-2.03	-0.75
10,491.00	88.89	268.46	7,844.10	1,037.91	-2,389.57	2,554.94	1.42	-1.40	-0.21
10,586.00	87.02	268.72	7,847.49	1,035.58	-2,484.47	2,647.21	1.99	-1.97	0.27
10,680.00	90.55	268.67	7,849.48	1,033.44	-2,578.41	2,738.57	3.76	3.76	-0.05
10,775.00	93.72	269.34	7,845.94	1,031.79	-2,673.32	2,830.99	3.41	3.34	0.71
10,891.00	96.98	268.46	7,835.13	1,029.57	-2,788.78	2,943.37	2.91	2.81	-0.76
10,985.00	87.69	271.16	7,831.30	1,029.27	-2,882.59	3,035.00	10.29	-9.88	2.87
11,079.00	91.11	270.93	7,832.29	1,030.98	-2,976.55	3,127.20	3.65	3.64	-0.24
11,173.00	93.16	271.32	7,828.79	1,032.83	-3,070.46	3,219.38	2.22	2.18	0.41
11,267.00	92.71	270.70	7,823.97	1,034.48	-3,164.33	3,311.47	0.81	-0.48	-0.66
11,362.00	93.29	269.86	7,819.00	1,034.95	-3,259.19	3,404.30	1.07	0.61	-0.88
11,456.00	90.88	269.01	7,815.58	1,034.02	-3,353.12	3,495.91	2.72	-2.56	-0.90
11,550.00	91.00	269.40	7,814.04	1,032.72	-3,447.10	3,587.49	0.43	0.13	0.41
11,644.00	90.04	271.21	7,813.19	1,033.22	-3,541.09	3,679.46	2.18	-1.02	1.93



MS Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Puma Blanca 22 B2IL Fed Com 1H
Project:	Eddy County, New Mexico (NAD 83)	TVD Reference:	Well @ 3505.00usft (Patterson 558)
Site:	Puma Blanca	MD Reference:	Well @ 3505.00usft (Patterson 558)
Well:	Puma Blanca 22 B2IL Fed Com 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	41-MSD-Conroe-EDM5000

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,738.00	90.21	270.78	7,812.98	1,034.85	-3,635.07	3,771.67	0.49	0.18	-0.46
11,832.00	89.68	270.85	7,813.07	1,036.19	-3,729.06	3,863.82	0.57	-0.56	0.07
11,926.00	89.12	270.83	7,814.05	1,037.56	-3,823.05	3,955.97	0.60	-0.60	-0.02
12,020.00	88.89	271.06	7,815.69	1,039.11	-3,917.02	4,048.15	0.35	-0.24	0.24
12,114.00	90.38	270.63	7,816.29	1,040.50	-4,011.00	4,140.30	1.65	1.59	-0.46
12,208.00	93.26	269.44	7,813.30	1,040.56	-4,104.95	4,232.13	3.31	3.06	-1.27
12,303.00	94.67	269.29	7,806.73	1,039.51	-4,199.71	4,324.54	1.49	1.48	-0.16
12,397.00	94.24	267.82	7,799.43	1,037.14	-4,293.39	4,415.61	1.62	-0.46	-1.56
12,491.00	91.70	267.82	7,794.56	1,033.57	-4,387.19	4,506.53	2.70	-2.70	0.00
12,585.00	89.43	267.75	7,793.63	1,029.94	-4,481.11	4,597.56	2.42	-2.41	-0.07
12,678.00	89.57	269.82	7,794.44	1,027.97	-4,574.08	4,688.01	2.23	0.15	2.23
12,772.00	90.38	269.91	7,794.49	1,027.75	-4,668.08	4,779.84	0.87	0.86	0.10
12,825.00	91.05	269.32	7,793.82	1,027.39	-4,721.07	4,831.57	1.68	1.26	-1.11
12,895.00	91.05	269.32	7,792.54	1,026.56	-4,791.06	4,899.79	0.00	0.00	0.00

Projection to TD-12895.00' MD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
391.00	391.00	-0.07	0.83	Tie-in to Invictus MWD-391.00' MD
12,895.00	7,792.54	1,026.56	-4,791.06	Projection to TD-12895.00' MD

Intent ☐ As Drilled ☒

API # 30-015-49315		
Operator Name: Mewbourne Oil Co.	Property Name: Puma Blanca 22 B2IL Fed Com	Well Number 1H

Kick Off Point (KOP)

UL I	Section 22	Township 18S	Range 29E	Lot	Feet 1966	From N/S S	Feet 22	From E/W E	County
Latitude 32.7311274					Longitude -104.0540705			NAD 83	

First Take Point (FTP)

UL I	Section 22	Township 18S	Range 29E	Lot	Feet 1995	From N/S S	Feet 358	From E/W E	County
Latitude 32.7312061					Longitude -104.0551628			NAD 83	

Last Take Point (LTP)

UL L	Section 22	Township 18S	Range 29E	Lot	Feet 1976	From N/S S	Feet 106	From E/W W	County
Latitude 32.7311347					Longitude -104.0708415			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐ YIs this well an infill well? ☐ N

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-103
 Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-49315
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Mewbourne Oil Company		6. State Oil & Gas Lease No.
3. Address of Operator PO Box 5270, Hobbs NM 88241		7. Lease Name or Unit Agreement Name Puma Blanca 22 B2IL Fed Com
4. Well Location Unit Letter <u>P</u> : <u>930</u> feet from the <u>South</u> line and <u>420</u> feet from the <u>East</u> line Section <u>22</u> Township <u>18S</u> Range <u>29E</u> NMPM <u>Eddy</u> County		8. Well Number 1H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3478' GL		9. OGRID Number <u>14744</u> 10. Pool name or Wildcat [49553] PALMILLO;BONE SPRING, EAST

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: Completion Sundry ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Frac horizontal Bone Spring w/9548364 gals brackish slickwater carrying 12125970# local 100 mesh sand.

Drill out frac plugs to PBTD @ 12870'.

08/02/2022
 PWOL.

FORMATION TOPS: T/ Salt 429', B/ Salt 957', Yates 1128', Seven Rivers 1501', Queen 2095', Grayburg 2445', San Andres 2914', Bone Spring 3819'.

Spud Date: 04/10/2022

Rig Release Date: 04/28/2022

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

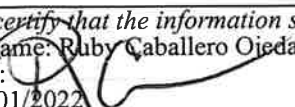
SIGNATURE Ruby Caballero TITLE Regulatory DATE 08/31/2022

Type or print name Ruby Caballero E-mail address: rcaballero@mewbourne.com PHONE: 575-393-5905

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
1. WELL API NO. 30-015-49315							2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN			
3. State Oil & Gas Lease No.							5. Lease Name or Unit Agreement Name Puma Blanca 22 B2IL Fed Com			
WELL COMPLETION OR RECOMPLETION REPORT AND LOG							6. Well Number: 1H			
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)							5. Lease Name or Unit Agreement Name Puma Blanca 22 B2IL Fed Com			
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER							9. OGRID 14744			
8. Name of Operator Mewbourne Oil Company							11. Pool name or Wildcat [49553] PALMILLO; BONE SPRING, EAST			
10. Address of Operator PO Box 5270 Hobbs, NM 88240										
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	P	22	18S	29E		930	South	420	East	Eddy
BH:	L	22	18S	29E		1975	South	79	West	Eddy
13. Date Spudded 04/10/2022	14. Date T.D. Reached 04/26/2022	15. Date Rig Released 04/28/2022			16. Date Completed (Ready to Produce) 08/02/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3478' GL		
18. Total Measured Depth of Well 12895' MD		19. Plug Back Measured Depth 12870' MD			20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run GR		
22. Producing Interval(s), of this completion - Top, Bottom, Name 8031'-12848' Bone Spring										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		54.5		410'		17 1/2"		450		0
9 5/8"		40		1060'		12 1/4"		325		0
7"		29		7971'		8 3/4"		800		0
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD					
4 1/2"	7317'	12895'	550		SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 8031'-12848' (24 stages, 0.39" EHD, 864 holes)					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					8031'-12848'		Frac horizontal Bone Spring w/9548364 gals brackish slickwater carrying 12125970# local 100 mesh sand.			
28. PRODUCTION										
Date First Production 08/02/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 08/21/2022	Hours Tested 24	Choke Size NA	Prod'n For Test Period	Oil - Bbl 122	Gas - MCF 88	Water - Bbl. 2465	Gas - Oil Ratio 721			
Flow Tubing Press. 340	Casing Pressure 180	Calculated 24-Hour Rate	Oil - Bbl. 122	Gas - MCF 88	Water - Bbl. 2465	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By Robin Terrell			
31. List Attachments C104, Deviation Survey, completion sundry, Directional Survey, Gyro log, Final C-102										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date: 04/28/2022			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD83				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Printed Name: Ruby Caballero Ojeda Signature:  Date: 09/01/2022 E-mail Address: rcaballero@mewbourne.com Title: Regulatory										

INSTRUCTIONS

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

OIL OR GAS SANDS OR ZONES

No. 4, from.....to.....

No. 3, from.....to.....feet.....

Released to Imaging: 10/29/2025 2:16:18 PM

Spud Date: 4/10/2022
 TD Date: 4/26/2022
 Rig Release: 4/28/2022
 Frac Complete: 7/24/2022
 Prod Date: 8/2/2022
 GL: 3478

Mewbourne Oil Company
 Well Name: Puma Blanca 22 B2IL Fed Com #1H
 API: 30-015-49315 Property Code: 332467 Eddy Co., NM
 Pools: 49553-PALMILLO; BONE SPRING, EAST 160 Acre Spacing
 Updated by: Christian Ward
 Date Updated: 8/02/2022

Formation Tops

Formation	Depth
Salt Top	428'
Salt Base	957'
Yates	1128'
Seven Rivers	1501'
Queen	2095'
Greyburg	2445'
San Andres	2814'
Bone Spring	3819'
1st Bone Spring Sand	6851'
2nd Bone Spring Sand	7475'

Surface
 17 1/2" x 13 3/8" 54.5# J55 STC
 Set @ 410'
 Cmt w/ 450 sx
 Circ. 158 sx to pit
 Lead TOC: Surface
 Tail TOC: No tail

Intermediate
 12 1/4" x 9 5/8" 36# J55 LTC
 Set @ 1060'
 Cmt w/ 325 sx
 Circ. 78 sx to pit
 Lead TOC: Surface
 Tail TOC: 259'

Production
 8 3/4" x 7" 28# HCP110 BT&C
 Set @ 7971'
 Cmt w/ 800 sx
 Circ. 200 sx to pit
 Lead TOC: Surface
 Tail TOC: 4884'

Liner
 6 1/8" x 4 1/2" 13.5# HCP110 CDC HTQ
 Set @ 7317' - 12895'
 TOC @ 7317'

KOP @ 7329'
 Dev @ KOP: 2.81°

TVD @ 7880'
 TD 6 1/8" hole @ 12895'
 PBTD: 12870'
 Perfs: 8031' - 12848', 0.39, 864

Frac horizontal Bone Spring w/9548364 gale brackish slickwater carrying 12125970# local 100 mesh sand

	MD	TVD	Lat	Long	Footage	Section	Town/Rng	Lease	Prod f/ lease	Qtr			
SHL	0	0	32.7282789	-104.0553576	930'	FSL	22	18S/29E	NMLC0055696	Yes	SESE		
KOP	7,329	7,232	32.7311274	-104.0540705	1966'	FSL	22	18S/29E	NMLC0055696	Yes	NESE		
FTP	8,031	7,806	32.7312061	-104.0551628	1995'	FSL	22	18S/29E	NMLC0055696	Yes	NESE		
PPP2	10,326	7,845	32.7311573	-104.0625842	1977'	FSL	0'	18S/29E	NMLC0067132	Yes	NESW		
PPP3	11,650	7,813	32.7311441	-104.0668650	1975'	FSL	1322'	18S/29E	NMNM0024881	Yes	NWSW		
LTP	12,868	7,793	32.7311347	-104.0708415	1976'	FSL	106'	FWL	22	18S/29E	NMNM0024881	Yes	NWSW
BHL	12,895	7,793	32.7311340	-104.0709293	1975'	FSL	79'	FWL	22	18S/29E	NMNM0024881	Yes	NWSW

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

ACKNOWLEDGMENTS

Action 140223

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 140223
	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.

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CONDITIONS

Action 140223

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 140223
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	10/29/2025