

CASE NO. 22042

**APPLICATION OF CAZA PETROLEUM, LLC FOR COMPULSORY POOLING,
LEA COUNTY, NEW MEXICO**

EXHIBITS

(Part II)

1. Application and Proposed Notice
2. Landman's Affidavit (David Gibson)
3. Geologist's Affidavits (Richard Carroll)
4. Affidavit of Certified Notice
5. Publication Notice
6. Pooling Checklist



Morcor Engineering
Morcor Standard Plan



Company: Caza Operating LLC
Project: Desert Rose 17-8 Federal 10H
Site: Desert Rose 17-8 Federal 10H
Well: Desert Rose 17-8 Federal 10H
Wellbore: Desert Rose 17-8 Federal 10H
Design: 181103 Desert Rose 17-8 Federal 10H

Local Co-ordinate Reference: Well Desert Rose 17-8 Federal 10H
TVD Reference: WELL @ 3724.0usft (Original Well Elev)
MD Reference: WELL @ 3724.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Project Desert Rose 17-8 Federal 10H

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Desert Rose 17-8 Federal 10H

Site Position: Lat/Long
From: 570,777.42 usft
 806,294.84 usft
Position Uncertainty: 1.0 usft
 Slot Radius: 17-1/2 " Grid Convergence: 0.46 °

Latitude: 32° 33' 58.248 N
Longitude: 103° 28' 23.830 W
Grid Convergence: 0.46 °

Well Desert Rose 17-8 Federal 10H

Well Position +N/-S 0.0 usft
 +E/-W 0.0 usft
Position Uncertainty 1.0 usft
Wellhead Elevation: usft

Latitude: 32° 33' 58.248 N
Longitude: 103° 28' 23.830 W
Ground Level: 3,702.0 usft

Wellbore Desert Rose 17-8 Federal 10H

Magnetics Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT)
 IGRF2010 11/3/2018 6.65 60.33 48,089

Design 181103 Desert Rose 17-8 Federal 10H

Audit Notes:
Version: Phase: PLAN Tie On Depth: 0.0
Vertical Section: Depth From (TVD) (usft) +N/-S (usft) +E/-W (usft) Direction (°)
 0.0 0.0 0.0 2.34

Survey Tool Program Date 11/3/2018

From (usft) To (usft) **Survey (Wellbore)** **Tool Name** **Description**
 0.0 18,199.0 181103 Desert Rose 17-8 Federal 10H (De MWD MWD - Standard

Attachment D



Morcor Engineering
Morcor Standard Plan



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Planned 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	-3,724.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
100.0	0.00	104.00	100.0	-3,624.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
120.0	0.00	104.00	120.0	-3,604.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
20" Conductor										
200.0	0.00	104.00	200.0	-3,524.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
300.0	0.00	104.00	300.0	-3,424.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
400.0	0.00	104.00	400.0	-3,324.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
500.0	0.00	104.00	500.0	-3,224.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
600.0	0.00	104.00	600.0	-3,124.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
700.0	0.00	104.00	700.0	-3,024.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
800.0	0.00	104.00	800.0	-2,924.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
900.0	0.00	104.00	900.0	-2,824.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
1,000.0	0.00	104.00	1,000.0	-2,724.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
1,100.0	0.00	104.00	1,100.0	-2,624.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
1,200.0	0.00	104.00	1,200.0	-2,524.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
1,300.0	0.00	104.00	1,300.0	-2,424.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
1,400.0	0.00	104.00	1,400.0	-2,324.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
1,500.0	0.00	104.00	1,500.0	-2,224.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
1,600.0	0.00	104.00	1,600.0	-2,124.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
1,700.0	0.00	104.00	1,700.0	-2,024.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
1,800.0	0.00	104.00	1,800.0	-1,924.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
1,900.0	0.00	104.00	1,900.0	-1,824.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
1,944.0	0.00	104.00	1,944.0	-1,780.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
Rustler										
1,969.0	0.00	104.00	1,969.0	-1,755.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
13 3/8" Surface Casing										
2,000.0	0.00	104.00	2,000.0	-1,724.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
2,100.0	0.00	104.00	2,100.0	-1,624.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00



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Morcor Standard Plan



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Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Eastng (usft)	Northng (usft)	V. Sec (usft)	DLeg (°/100usft)
2,200.0	0.00	104.00	2,200.0	-1,524.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
2,272.0	0.00	104.00	2,272.0	-1,452.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
Top of Salt										
2,300.0	0.00	104.00	2,300.0	-1,424.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
2,400.0	0.00	104.00	2,400.0	-1,324.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
2,500.0	0.00	104.00	2,500.0	-1,224.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
2,600.0	0.00	104.00	2,600.0	-1,124.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
2,700.0	0.00	104.00	2,700.0	-1,024.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
2,800.0	0.00	104.00	2,800.0	-924.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
2,900.0	0.00	104.00	2,900.0	-824.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
3,000.0	0.00	104.00	3,000.0	-724.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
3,100.0	0.00	104.00	3,100.0	-624.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
3,200.0	0.00	104.00	3,200.0	-524.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
3,300.0	0.00	104.00	3,300.0	-424.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
3,400.0	0.00	104.00	3,400.0	-324.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
3,500.0	0.00	104.00	3,500.0	-224.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
3,600.0	0.00	104.00	3,600.0	-124.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
3,621.0	0.00	104.00	3,621.0	-103.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
Base of Salt										
3,700.0	0.00	104.00	3,700.0	-24.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
3,800.0	0.00	104.00	3,800.0	76.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
3,900.0	0.00	104.00	3,900.0	176.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
4,000.0	0.00	104.00	4,000.0	276.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
4,100.0	0.00	104.00	4,100.0	376.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
4,200.0	0.00	104.00	4,200.0	476.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
4,223.0	0.00	104.00	4,223.0	499.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
Capitan										
4,300.0	0.00	104.00	4,300.0	576.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00



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Planned 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)
4,400.0	0.00	104.00	4,400.0	676.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
4,500.0	0.00	104.00	4,500.0	776.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
4,600.0	0.00	104.00	4,600.0	876.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
4,700.0	0.00	104.00	4,700.0	976.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
4,800.0	0.00	104.00	4,800.0	1,076.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
4,900.0	0.00	104.00	4,900.0	1,176.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
5,000.0	0.00	104.00	5,000.0	1,276.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
5,100.0	0.00	104.00	5,100.0	1,376.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
5,200.0	0.00	104.00	5,200.0	1,476.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
5,300.0	0.00	104.00	5,300.0	1,576.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
5,400.0	0.00	104.00	5,400.0	1,676.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
5,499.0	0.00	104.00	5,499.0	1,775.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
9 5/8" Intermediate Casing										
5,500.0	0.00	104.00	5,500.0	1,776.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
5,524.0	0.00	104.00	5,524.0	1,800.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
Delaware										
5,600.0	0.00	104.00	5,600.0	1,876.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
5,700.0	0.00	104.00	5,700.0	1,976.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
5,753.0	0.00	104.00	5,753.0	2,029.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
Cherry Canyon										
5,800.0	0.00	104.00	5,800.0	2,076.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
5,900.0	0.00	104.00	5,900.0	2,176.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
6,000.0	0.00	104.00	6,000.0	2,276.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
6,050.0	0.00	104.00	6,050.0	2,326.0	0.0	0.0	806,294.84	570,777.42	0.00	0.00
Start Build 3.00										
6,100.0	1.50	104.00	6,100.0	2,376.0	-0.2	0.6	806,295.48	570,777.26	-0.13	3.00
6,200.0	4.50	104.00	6,199.8	2,475.8	-1.4	5.7	806,300.56	570,776.00	-1.19	3.00



Morcor Engineering
Morcor Standard Plan



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 WELL @ 3724.0usft (Original Well Elev)
 WELL @ 3724.0usft (Original Well Elev)
 Grid
 Minimum Curvature
 EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
6,250.0	6.00	104.00	6,249.6	2,525.6	-2.5	10.2	806,305.00	570,774.89	-2.11	3.00
Start 3550.0 hold at 6250.0 MD										
6,300.0	6.00	104.00	6,299.4	2,575.4	-3.8	15.2	806,310.07	570,773.63	-3.17	0.00
6,400.0	6.00	104.00	6,398.8	2,674.8	-6.3	25.4	806,320.21	570,771.10	-5.28	0.00
6,500.0	6.00	104.00	6,498.3	2,774.3	-8.9	35.5	806,330.35	570,768.57	-7.39	0.00
6,524.9	6.00	104.00	6,523.0	2,799.0	-9.5	38.0	806,332.87	570,767.94	-7.92	0.00
Brushy Canyon										
6,600.0	6.00	104.00	6,597.7	2,873.7	-11.4	45.6	806,340.49	570,766.04	-9.50	0.00
6,700.0	6.00	104.00	6,697.2	2,973.2	-13.9	55.8	806,350.64	570,763.51	-11.62	0.00
6,800.0	6.00	104.00	6,796.6	3,072.6	-16.4	65.9	806,360.78	570,760.98	-13.73	0.00
6,900.0	6.00	104.00	6,896.1	3,172.1	-19.0	76.1	806,370.92	570,758.45	-15.84	0.00
7,000.0	6.00	104.00	6,995.5	3,271.5	-21.5	86.2	806,381.06	570,755.93	-17.95	0.00
7,100.0	6.00	104.00	7,095.0	3,371.0	-24.0	96.4	806,391.21	570,753.40	-20.06	0.00
7,200.0	6.00	104.00	7,194.4	3,470.4	-26.6	106.5	806,401.35	570,750.87	-22.18	0.00
7,300.0	6.00	104.00	7,293.9	3,569.9	-29.1	116.6	806,411.49	570,748.34	-24.29	0.00
7,400.0	6.00	104.00	7,393.3	3,669.3	-31.6	126.8	806,421.63	570,745.81	-26.40	0.00
7,500.0	6.00	104.00	7,492.8	3,768.8	-34.1	136.9	806,431.78	570,743.28	-28.51	0.00
7,600.0	6.00	104.00	7,592.2	3,868.2	-36.7	147.1	806,441.92	570,740.75	-30.62	0.00
7,700.0	6.00	104.00	7,691.7	3,967.7	-39.2	157.2	806,452.06	570,738.22	-32.73	0.00
7,800.0	6.00	104.00	7,791.1	4,067.1	-41.7	167.4	806,462.20	570,735.70	-34.85	0.00
7,900.0	6.00	104.00	7,890.6	4,166.6	-44.3	177.5	806,472.35	570,733.17	-36.96	0.00
8,000.0	6.00	104.00	7,990.0	4,266.0	-46.8	187.6	806,482.49	570,730.64	-39.07	0.00
8,100.0	6.00	104.00	8,089.5	4,365.5	-49.3	197.8	806,492.63	570,728.11	-41.18	0.00
8,200.0	6.00	104.00	8,189.0	4,465.0	-51.8	207.9	806,502.77	570,725.58	-43.29	0.00
8,300.0	6.00	104.00	8,288.4	4,564.4	-54.4	218.1	806,512.91	570,723.05	-45.40	0.00
8,306.6	6.00	104.00	8,295.0	4,571.0	-54.5	218.7	806,513.59	570,722.88	-45.54	0.00
Bone Spring										



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 WELL @ 3724.0usft (Original Well Elev)
 Grid
 Minimum Curvature
 EDM 5000.1 Single User Db

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8,400.0	6.00	104.00	8,387.9	4,663.9	-56.9	228.2	806,523.06	570,720.52	-47.52	0.00
8,500.0	6.00	104.00	8,487.3	4,763.3	-59.4	238.4	806,533.20	570,717.99	-49.63	0.00
8,600.0	6.00	104.00	8,586.8	4,862.8	-62.0	248.5	806,543.34	570,715.47	-51.74	0.00
8,700.0	6.00	104.00	8,686.2	4,962.2	-64.5	258.6	806,553.48	570,712.94	-53.85	0.00
8,800.0	6.00	104.00	8,785.7	5,061.7	-67.0	268.8	806,563.63	570,710.41	-55.96	0.00
8,900.0	6.00	104.00	8,885.1	5,161.1	-69.5	278.9	806,573.77	570,707.88	-58.08	0.00
9,000.0	6.00	104.00	8,984.6	5,260.6	-72.1	289.1	806,583.91	570,705.35	-60.19	0.00
9,100.0	6.00	104.00	9,084.0	5,360.0	-74.6	299.2	806,594.05	570,702.82	-62.30	0.00
9,200.0	6.00	104.00	9,183.5	5,459.5	-77.1	309.4	806,604.20	570,700.29	-64.41	0.00
9,300.0	6.00	104.00	9,282.9	5,558.9	-79.7	319.5	806,614.34	570,697.76	-66.52	0.00
9,400.0	6.00	104.00	9,382.4	5,658.4	-82.2	329.6	806,624.48	570,695.24	-68.63	0.00
9,500.0	6.00	104.00	9,481.8	5,757.8	-84.7	339.8	806,634.62	570,692.71	-70.75	0.00
9,600.0	6.00	104.00	9,581.3	5,857.3	-87.2	349.9	806,644.77	570,690.18	-72.86	0.00
9,625.9	6.00	104.00	9,607.0	5,883.0	-87.9	352.5	806,647.39	570,689.52	-73.40	0.00
1st Bone Spring Sand										
9,700.0	6.00	104.00	9,680.7	5,956.7	-89.8	360.1	806,654.91	570,687.65	-74.97	0.00
9,800.0	6.00	104.00	9,780.2	6,056.2	-92.3	370.2	806,665.05	570,685.12	-77.08	0.00
Start Drop -3.00										
9,900.0	3.00	104.00	9,879.9	6,155.9	-94.2	377.8	806,672.66	570,683.22	-78.67	3.00
10,000.0	0.00	0.00	9,979.8	6,255.8	-94.8	380.4	806,675.20	570,682.59	-79.19	3.00
Start 80.0 hold at 10000.0 MD										
10,080.0	0.00	0.00	10,059.8	6,335.8	-94.8	380.4	806,675.20	570,682.59	-79.19	0.00
Start Build 11.23										
10,100.0	2.25	0.00	10,079.8	6,355.8	-94.4	380.4	806,675.20	570,682.98	-78.80	11.23
10,200.0	13.47	0.00	10,178.7	6,454.7	-80.8	380.4	806,675.20	570,696.63	-65.16	11.23
10,268.4	21.16	0.00	10,244.0	6,520.0	-60.4	380.4	806,675.20	570,716.99	-44.82	11.23
2nd Bone Spring Sand										
10,300.0	24.70	0.00	10,273.1	6,549.1	-48.1	380.4	806,675.20	570,729.29	-32.54	11.23



Morcor Engineering
Morcor Standard Plan



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Design: 181103 Desert Rose 17-8 Federal 10H

Local Co-ordinate Reference: Well Desert Rose 17-8 Federal 10H
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MD Reference: WELL @ 3724.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
10,400.0	35.93	0.00	10,359.3	6,635.3	2.3	380.4	806,675.20	570,779.69	17.82	11.23
10,500.0	47.16	0.00	10,434.0	6,710.0	68.5	380.4	806,675.20	570,845.90	83.98	11.23
10,600.0	58.39	0.00	10,494.4	6,770.4	148.0	380.4	806,675.20	570,925.40	163.42	11.23
10,700.0	69.62	0.00	10,538.1	6,814.1	237.7	380.4	806,675.20	571,015.14	253.08	11.23
10,800.0	80.85	0.00	10,563.6	6,839.6	334.3	380.4	806,675.20	571,111.69	349.54	11.23
10,888.0	90.73	0.00	10,570.0	6,846.0	421.9	380.4	806,675.20	571,199.34	437.12	11.23
Start Turn -0.01										
10,900.0	90.73	360.00	10,569.9	6,845.9	433.9	380.4	806,675.20	571,211.34	449.11	0.01
11,000.0	90.73	359.98	10,568.6	6,844.6	533.9	380.3	806,675.19	571,311.33	549.02	0.01
11,100.0	90.73	359.97	10,567.3	6,843.3	633.9	380.3	806,675.15	571,411.32	648.93	0.01
11,200.0	90.73	359.96	10,566.1	6,842.1	733.9	380.2	806,675.09	571,511.31	748.83	0.01
11,300.0	90.73	359.94	10,564.8	6,840.8	833.9	380.2	806,675.00	571,611.31	848.74	0.01
11,400.0	90.73	359.93	10,563.5	6,839.5	933.9	380.0	806,674.89	571,711.30	948.64	0.01
11,500.0	90.73	359.92	10,562.2	6,838.2	1,033.9	379.9	806,674.75	571,811.29	1,048.54	0.01
11,600.0	90.73	359.90	10,561.0	6,837.0	1,133.9	379.8	806,674.60	571,911.28	1,148.44	0.01
11,700.0	90.73	359.89	10,559.7	6,835.7	1,233.9	379.6	806,674.41	572,011.27	1,248.35	0.01
11,800.0	90.73	359.88	10,558.4	6,834.4	1,333.8	379.4	806,674.21	572,111.27	1,348.25	0.01
11,900.0	90.73	359.86	10,557.1	6,833.1	1,433.8	379.1	806,673.98	572,211.26	1,448.14	0.01
12,000.0	90.73	359.85	10,555.9	6,831.9	1,533.8	378.9	806,673.73	572,311.25	1,548.04	0.01
12,100.0	90.73	359.83	10,554.6	6,830.6	1,633.8	378.6	806,673.45	572,411.24	1,647.94	0.01
12,200.0	90.73	359.82	10,553.3	6,829.3	1,733.8	378.3	806,673.15	572,511.23	1,747.83	0.01
12,300.0	90.73	359.81	10,552.0	6,828.0	1,833.8	378.0	806,672.82	572,611.22	1,847.73	0.01
12,400.0	90.73	359.79	10,550.8	6,826.8	1,933.8	377.6	806,672.47	572,711.21	1,947.62	0.01
12,500.0	90.73	359.78	10,549.5	6,825.5	2,033.8	377.3	806,672.10	572,811.21	2,047.51	0.01
12,600.0	90.73	359.77	10,548.2	6,824.2	2,133.8	376.9	806,671.70	572,911.20	2,147.40	0.01
12,700.0	90.73	359.75	10,546.9	6,822.9	2,233.8	376.4	806,671.28	573,011.19	2,247.29	0.01
12,800.0	90.73	359.74	10,545.7	6,821.7	2,333.8	376.0	806,670.84	573,111.18	2,347.18	0.01



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Well Desert Rose 17-8 Federal 10H
 WELL @ 3724.0usft (Original Well Elev)
 WELL @ 3724.0usft (Original Well Elev)
 Grid
 Minimum Curvature
 EDM 5000.1 Single User Db

Planned 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)
12,900.0	90.73	359.72	10,544.4	6,820.4	2,433.7	375.5	806,670.37	573,211.17	2,447.07	0.01
13,000.0	90.73	359.71	10,543.1	6,819.1	2,533.7	375.0	806,669.88	573,311.16	2,546.96	0.01
13,100.0	90.73	359.70	10,541.8	6,817.8	2,633.7	374.5	806,669.36	573,411.15	2,646.84	0.01
13,200.0	90.73	359.68	10,540.6	6,816.6	2,733.7	374.0	806,668.82	573,511.14	2,746.73	0.01
13,300.0	90.73	359.67	10,539.3	6,815.3	2,833.7	373.4	806,668.26	573,611.13	2,846.61	0.01
13,400.0	90.73	359.66	10,538.0	6,814.0	2,933.7	372.8	806,667.67	573,711.12	2,946.49	0.01
13,500.0	90.73	359.64	10,536.8	6,812.8	3,033.7	372.2	806,667.06	573,811.11	3,046.38	0.01
13,600.0	90.73	359.63	10,535.5	6,811.5	3,133.7	371.6	806,666.42	573,911.10	3,146.26	0.01
13,700.0	90.73	359.62	10,534.2	6,810.2	3,233.7	370.9	806,665.76	574,011.09	3,246.13	0.01
13,800.0	90.73	359.60	10,532.9	6,808.9	3,333.7	370.2	806,665.08	574,111.08	3,346.01	0.01
13,900.0	90.73	359.59	10,531.7	6,807.7	3,433.6	369.5	806,664.37	574,211.07	3,445.89	0.01
14,000.0	90.73	359.57	10,530.4	6,806.4	3,533.6	368.8	806,663.64	574,311.06	3,545.76	0.01
14,100.0	90.73	359.56	10,529.1	6,805.1	3,633.6	368.0	806,662.89	574,411.05	3,645.64	0.01
14,200.0	90.73	359.55	10,527.8	6,803.8	3,733.6	367.3	806,662.11	574,511.04	3,745.51	0.01
14,300.0	90.73	359.53	10,526.6	6,802.6	3,833.6	366.5	806,661.31	574,611.03	3,845.38	0.01
14,400.0	90.73	359.52	10,525.3	6,801.3	3,933.6	365.6	806,660.48	574,711.01	3,945.26	0.01
14,500.0	90.73	359.51	10,524.0	6,800.0	4,033.6	364.8	806,659.63	574,811.00	4,045.13	0.01
14,600.0	90.73	359.49	10,522.7	6,798.7	4,133.6	363.9	806,658.76	574,910.99	4,144.99	0.01
14,700.0	90.73	359.48	10,521.5	6,797.5	4,233.6	363.0	806,657.86	575,010.98	4,244.86	0.01
14,800.0	90.73	359.46	10,520.2	6,796.2	4,333.5	362.1	806,656.94	575,110.97	4,344.73	0.01
14,900.0	90.73	359.45	10,518.9	6,794.9	4,433.5	361.1	806,655.99	575,210.95	4,444.59	0.01
15,000.0	90.73	359.44	10,517.6	6,793.6	4,533.5	360.2	806,655.02	575,310.94	4,544.46	0.01
15,100.0	90.73	359.42	10,516.4	6,792.4	4,633.5	359.2	806,654.03	575,410.93	4,644.32	0.01
15,200.0	90.73	359.41	10,515.1	6,791.1	4,733.5	358.2	806,653.01	575,510.91	4,744.18	0.01
15,300.0	90.73	359.40	10,513.8	6,789.8	4,833.5	357.1	806,651.97	575,610.90	4,844.04	0.01
15,400.0	90.73	359.38	10,512.5	6,788.5	4,933.5	356.1	806,650.90	575,710.89	4,943.90	0.01
15,500.0	90.73	359.37	10,511.3	6,787.3	5,033.4	355.0	806,649.81	575,810.87	5,043.76	0.01



Morcor Engineering
Morcor Standard Plan



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MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Easting (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
15,600.0	90.73	359.36	10,510.0	6,786.0	5,133.4	353.9	806,648.70	575,910.86	5,143.61	0.01
15,700.0	90.73	359.34	10,508.7	6,784.7	5,233.4	352.7	806,647.57	576,010.84	5,243.47	0.01
15,800.0	90.73	359.33	10,507.4	6,783.4	5,333.4	351.6	806,646.40	576,110.83	5,343.32	0.01
15,900.0	90.73	359.31	10,506.2	6,782.2	5,433.4	350.4	806,645.22	576,210.81	5,443.18	0.01
16,000.0	90.73	359.30	10,504.9	6,780.9	5,533.4	349.2	806,644.01	576,310.80	5,543.03	0.01
16,100.0	90.73	359.29	10,503.6	6,779.6	5,633.4	347.9	806,642.78	576,410.78	5,642.88	0.01
16,200.0	90.73	359.27	10,502.4	6,778.4	5,733.3	346.7	806,641.52	576,510.77	5,742.73	0.01
16,300.0	90.73	359.26	10,501.1	6,777.1	5,833.3	345.4	806,640.24	576,610.75	5,842.57	0.01
16,400.0	90.73	359.25	10,499.8	6,775.8	5,933.3	344.1	806,638.94	576,710.73	5,942.42	0.01
16,500.0	90.73	359.23	10,498.5	6,774.5	6,033.3	342.8	806,637.61	576,810.72	6,042.27	0.01
16,600.0	90.73	359.22	10,497.3	6,773.3	6,133.3	341.4	806,636.26	576,910.70	6,142.11	0.01
16,700.0	90.73	359.21	10,496.0	6,772.0	6,233.3	340.0	806,634.89	577,010.68	6,241.95	0.01
16,800.0	90.73	359.19	10,494.7	6,770.7	6,333.2	338.6	806,633.49	577,110.66	6,341.79	0.01
16,900.0	90.73	359.18	10,493.4	6,769.4	6,433.2	337.2	806,632.06	577,210.65	6,441.63	0.01
17,000.0	90.73	359.16	10,492.2	6,768.2	6,533.2	335.8	806,630.62	577,310.63	6,541.47	0.01
17,100.0	90.73	359.15	10,490.9	6,766.9	6,633.2	334.3	806,629.15	577,410.61	6,641.31	0.01
17,200.0	90.73	359.14	10,489.6	6,765.6	6,733.2	332.8	806,627.65	577,510.59	6,741.14	0.01
17,300.0	90.73	359.12	10,488.3	6,764.3	6,833.1	331.3	806,626.13	577,610.57	6,840.98	0.01
17,400.0	90.73	359.11	10,487.1	6,763.1	6,933.1	329.7	806,624.59	577,710.55	6,940.81	0.01
17,500.0	90.73	359.10	10,485.8	6,761.8	7,033.1	328.2	806,623.02	577,810.53	7,040.64	0.01
17,600.0	90.73	359.08	10,484.5	6,760.5	7,133.1	326.6	806,621.43	577,910.51	7,140.47	0.01
17,700.0	90.73	359.07	10,483.2	6,759.2	7,233.1	325.0	806,619.82	578,010.49	7,240.30	0.01
17,800.0	90.73	359.05	10,482.0	6,758.0	7,333.0	323.3	806,618.18	578,110.47	7,340.13	0.01
17,900.0	90.73	359.04	10,480.7	6,756.7	7,433.0	321.7	806,616.52	578,210.44	7,439.96	0.01
18,000.0	90.73	359.03	10,479.4	6,755.4	7,533.0	320.0	806,614.83	578,310.42	7,539.78	0.01
18,100.0	90.73	359.01	10,478.1	6,754.1	7,633.0	318.3	806,613.12	578,410.40	7,639.61	0.01



Morcor Engineering
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Planned 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)
18,199.0	90.73	359.00	10,476.9	6,752.9	7,732.0	316.6	806,611.41	578,509.38	7,738.43	0.01
TD at 18199.0 - 5 1/2" Production Casing										

Casing Points			
Measured Depth (usft)	Vertical Depth (usft)	Name	Hole Diameter (")
18,199.0	10,476.9	5 1/2" Production Casing	8-3/4
5,499.0	5,499.0	9 5/8" Intermediate Casing	12-1/4
120.0	120.0	20" Conductor	26
1,969.0	1,969.0	13 3/8" Surface Casing	17-1/2

Formations			
Measured Depth (usft)	Vertical Depth (usft)	Name	Dip Direction (°)
10,268.4	10,244.0	2nd Bone Spring Sand	0.00
9,625.9	9,607.0	1st Bone Spring Sand	0.00
8,306.6	8,295.0	Bone Spring	0.00
5,753.0	5,753.0	Cherry Canyon	0.00
2,272.0	2,272.0	Top of Salt	0.00
3,621.0	3,621.0	Base of Salt	0.00
4,223.0	4,223.0	Capitan	0.00
5,524.0	5,524.0	Delaware	0.00
6,524.9	6,523.0	Brushy Canyon	0.00
1,944.0	1,944.0	Rustler	0.00



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 EDM 5000.1 Single User Db

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,050.0	6,050.0	0.0	0.0	Start Build 3.00
6,250.0	6,249.6	-2.5	10.2	Start 3550.0 hold at 6250.0 MD
9,800.0	9,780.2	-92.3	370.2	Start Drop -3.00
10,000.0	9,979.8	-94.8	380.4	Start 80.0 hold at 10000.0 MD
10,080.0	10,059.8	-94.8	380.4	Start Build 11.23
10,888.0	10,570.0	421.9	380.4	Start Turn -0.01
18,199.0	10,476.9	7,732.0	316.6	TD at 18199.0

Checked By: _____

Approved By: _____

Date: _____

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATIONS OF CAZA PETROLEUM, LLC
FOR COMPULSORY POOLING, LEA COUNTY,
NEW MEXICO.

Case Nos. 22042 - 22047

SELF-AFFIRMED STATEMENT OF NOTICE

COUNTY OF SANTA FE)
) ss.
STATE OF NEW MEXICO)

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Caza Petroleum, LLC.
3. Caza Petroleum, LL has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the applications filed herein.
4. Notice of the applications was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.
5. Applicant has complied with the notice provisions of Division Rules.
6. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 5 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 2/15/22

James Bruce
James Bruce

EXHIBIT 4

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

ATTACHMENT

A

January 27, 2022

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of six applications, filed with the New Mexico Oil Conservation Division by Caza Petroleum, LLC, seeking orders pooling all uncommitted mineral interests in the following well units:

Case No. 22042: Caza Petroleum, LLC seeks an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 17 and the E/2SE/4 of Section 8, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 8H and 10H.

Case No. 22043: Caza Petroleum, LLC seeks an order pooling all uncommitted mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 17 and the E/2SE/4 of Section 8, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 16H.

Case No. 22044: Caza Petroleum, LLC seeks an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 17 and the W/2SE/4 of Section 8, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 5H and 7H.

Case No. 22045 Caza Petroleum, LLC seeks an order pooling all uncommitted mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 17 and the W/2SE/4 of Section 8, Township 20

South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 15H.

Case No. 22046: Caza Petroleum, LLC seeks an order pooling all mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2W/2 of Section 17 and the E/2SW/4 of Section 8, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 11H and 13H.

Case No. 22047: Caza Petroleum, LLC seeks an order pooling all mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the E/2W/2 of Section 17 and the E/2SW/4 of Section 8, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 14H.

The type of interest you own in each well unit is set forth in Exhibit B.

These matters are scheduled for hearing at 8:15 a.m. on Thursday, February 17, 2022. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to emnrd.state.nm.us/OCD/hearings or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>. You are not required to attend this hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement. This statement may be filed online with the Division at ocd.hearings@state.nm.us, and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,


James Bruce

Attorney for Caza Petroleum, LLC

DESERT ROSE WI OWNERS

Working Interest Owners

Caza Petroleum, LLC

4 Greenspoint Place
16945 Northchase Drive, Suite 1430
Houston, TX 77060

Chevron U.S.A. Inc.

6301 Deauville Boulevard
Midland, Texas 79706

Attention: Permitting Team

Lynn Charuk

P. O. Box 52370
Midland, TX 79710

True North Exploration, Inc.

Attn: Steve Sell
507 N Marienfeld Street, Suite 100
Midland, TX 79701

JSTM Energy Investments, LLC

Attn: John Pool
507 N. Marienfeld Street, Suite 100
Midland, TX 79701

O'Brien Oil & Gas, Inc.

Attn: Mike O'Brien
P. O. Box 1743
Midland, TX 79702

Cinco Tierras, LLC

Attn: Pat Crossley
805 N. Richardson Avenue
Roswell, NM 88201

Wallco Investments, LLC

Attn: Gary Wallace
627 Eastwood Avenue
Fort Worth, TX 76107

Tiger Creek Capital Partners, LP

Attn: John Barnidge
1200 Barton Creek Blvd., No. 24
Austin, TX 78735

EXHIBIT

A

Gary J. Lamb, Inc.

Attn: Gary Lamb
3327 Caldera Blvd.
Midland, TX 79707

America West Resources, LLC

Attn: Clay Lamb
P. O. Box 3383
Midland, TX 79702

D&M Snelson Properties, LP

Attn: Denny Snelson
1510 W Texas
Midland, TX 79701

Broughton Petroleum Inc.

Attn: Lois Krenek
1205 Sillman Street
Sealy, TX 77474

Wallace Investment Group, LLC

Attn: Austin Wallace
1608 N. K Street
Midland, Texas 79701

Kantech Properties, LLC

Attn: Hal Brockett/Ryan McNeel
24 Smith Road, Suite 400
Midland, TX 79705

CHLP Interests, LLC

Attn: Robbie Christensen
2303 W. Louisiana
Midland, TX 79701

Marks Oil, Inc.

Attn: Stephen K. Marks
1775 Sherman Street, Suite 2015
Denver, CO 80203-4319

Marshall B. Miller, Jr.

112 E. Pecan St., Suite 2400
San Antonio, TX 78205

**Glenbrook Partners DE, LTD.,
Production and Development Series**

Attn: Marshall Miller
112 E. Pecan St., Suite 2400
San Antonio, TX 78205

Alpar Energy, LP

Attn: Brent Allen
320 S.E. 24th Avenue
Perryton, TX 79070

Hat Creek Exploration

Attn: John Dorn
2900 Wesleyan, Suite 430
Houston, TX 77027

Dale F. & Jean F. Dorn Testamentary Trust

f/b/o Dale F. Dorn
Attn: Tucker Dorn
421 Morningside Drive
San Antonio, TX 78209

Maverick Oil & Gas Equity, LLC

Attn: Scott Kimbrough
1001 West Wall Street
Midland, TX 79701

Eagle Owl LLC

Attn: Bruce Blakemore
1901 N. Akard
Dallas, TX 75201

Nance Resources, Inc.

Attn: Brian Cebull
2924 Millennium Circle, Suite A
Billings, MT 59102

Overriding Royalty Owners

McMullen Minerals, LLC

Attn: William Malloy
P.O. Box 470857
Ft. Worth, Texas 76147

Pegasus Resources, LLC

P.O. Box 470698
Fort Worth, TX 76147

Escondido Oil & Gas, LLC

P.O. Box 51390
Midland, TX 79710

BriLi, LLC

213 5 Sedona Hills Parkway
Las Cruces, NM 88011

Devon Energy Production Company, L.P.
333 West Sheridan Avenue
Oklahoma City, Oklahoma 73102-5015

Mayhill Oil Corporation
P.O. Box 5334
Midland, TX 79704

Dog Tired Investments, LLC
1118 Breckenridge Dr.
Midland, TX 79705

Saphire Royalties, Inc.
P.O. Box 682
Midland, TX 79702

James D. Snelson
1510 W Texas
Midland, TX 79701

Cat Spring Properties, LLC
1884 Bostick Road
Cat Spring, TX 78933

McCabe Minerals & Royalties, LLC
500 W. Texas Ave
Suite 890
Midland, TX 79701

E2E2 240 ac Bone Spring & Wolfcamp

Desert Rose 17-8 Federal Com #8H #10H #16H

McMullen Minerals, LLC
 Pegasus Resources, LLC
 Escondido Oil & Gas, LLC
 BriLi, LLC
 Devon Energy Production Company, L.P.
 Lynn Charuk ALSO A WIO
 Mayhill Oil Corporation
 JSTM Properties, Ltd. ALSO A WIO
 Dog Tired Investments, LLC
 Cinco Tierras, LLC ALSO A WIO
 Gary Wallace ALSO A WIO
 Tiger Creek Capital Partners, LP ALSO A WIO
 Sapphire Royaltiess, Inc.
 James D. Snelson
 Cat Spring Properties, LLC
 Austin G. Wallace ALSO A WIO
 Kantech Propertries, LLC ALSO A WIO
 Christensen Holdings, LP ALSO A WIO
 Marks Oil, Inc. ALSO A WIO
 McCabe Minerals & Royalties, LLC
 Lynn Charuk
 True North Exploration, Inc. (formerly SDX)
 JSTM Energy Investments, LLC
 O'Brien Oil & Gas Inc.
 Cinco Tierras, LLC
 Wallco Investments LLC
 Tiger Creek Capital Partners, LP
 Gary J. Lamb, Inc.
 America West Resources, LLC
 D&M Snelson Properties, LP
 Broughton Petroleum Inc.
 Wallace Investment Group, LLC
 Kantech Properties, LLC
 CHLP Interests, LLC
 Marks Oil, Inc.
 Marshall B. Miller, Jr.
 Glenbrook Partners DE, LTD
 Alpar Energy, LP
 Hat Creek Exploration
 Maverick Oil & Gas Equity, LLC
 Eagle Owl LLC

EXHIBIT

B

Nance Resources, Inc.
Chevron
Caza Petroleum, LLC

NOT INCLUDED HERE:

Dale H & Jean F Dorn Testamentary Trust not included here

W2E2 240 ac Bone Spring & Wolfcamp

Desert Rose 17-8 Federal Com #5H #7H #15H	
McMullen Minerals, LLC	ORRI
Pegasus Resources, LLC	ORRI
Escondido Oil & Gas, LLC	ORRI
BriLi, LLC	ORRI
Devon Energy Production Company, L.P.	ORRI
Lynn Charuk	ORRI/WI
Mayhill Oil Corporation	ORRI
JSTM Properties, Ltd.	ORRI/WI
Dog Tired Investments, LLC	ORRI
Cinco Tierras, LLC ALSO A WIO	ORRI/WI
Gary Wallace ALSO A WIO	ORRI/WI
Tiger Creek Capital Partners, LP ALSO A WIO	ORRI/WI
Sapphire Royaltiess, Inc.	ORRI
James D. Snelson	ORRI
Cat Spring Properties, LLC	ORRI
Austin G. Wallace ALSO A WIO	ORRI/WI
Kantech Propertries, LLC ALSO A WIO	ORRI/WI
Christensen Holdings, LP ALSO A WIO	ORRI/WI
Marks Oil, Inc. ALSO A WIO	ORRI/WI
McCabe Minerals & Royalties, LLC	ORRI
Lynn Charuk	WI
True North Exploration, Inc. (formerly SDX)	WI
JSTM Energy Investments, LLC	WI
O'Brien Oil & Gas Inc.	WI
Cinco Tierras, LLC	WI
Wallco Investments LLC	WI
Tiger Creek Capital Partners, LP	WI
Gary J. Lamb, Inc.	WI
America West Resources, LLC	WI
D&M Snelson Properties, LP	WI
Broughton Petroleum Inc.	WI
Wallace Investment Group, LLC	WI
Kantech Properties, LLC	WI
CHLP Interests, LLC	WI
Marks Oil, Inc.	WI
Marshall B. Miller, Jr.	WI
Glenbrook Partners DE, LTD	WI
Alpar Energy, LP	WI
Hat Creek Exploration	WI
Maverick Oil & Gas Equity, LLC	WI
Nance Resources, Inc.	WI

Chevron
Caza Petroleum, LLC

WI
WI
WI

NOT INCLUDED HERE:

Dale H & Jean F Dorn Testamentary Trust not included here
Eagle Owl, LLC


WI

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

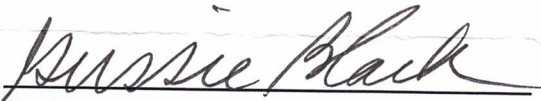
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated February 03, 2022 and ending with the issue dated February 03, 2022.



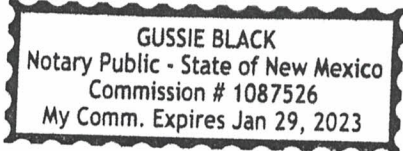
Publisher

Sworn and subscribed to before me this 3rd day of February 2022.



Business Manager

My commission expires January 29, 2023
(Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE February 3, 2022

To: Chevron U.S.A. Inc., Lynn Charuk, True North Exploration, Inc., JSTM Energy Investments, LLC, O'Brien Oil & Gas, Inc., Cinco Tierras, LLC, Wallco Investments, LLC, Tiger Creek Capital Partners, LP, Gary J. Lamb, Inc., America West Resources, LLC, D&M Snelson Properties, LP, Broughton Petroleum Inc., Wallace Investment Group, LLC, Kantech Properties, LLC, CHLP Interests, LLC, Marks Oil, Inc., Marshall B. Miller, Jr., Glenbrook Partners DE, LTD. - Production and Development Series, Alpar Energy, LP, Hat Creek Exploration, John Dorn, Dale F. & Jean F. Dorn Testamentary Trust f/b/o Dale F. Dorn, Maverick Oil & Gas Equity, LLC, Eagle Owl LLC, and Nance Resources, Inc. (working interest owners); and McMullen Minerals, LLC, Pegasus Resources, LLC, Escondido Oil & Gas, LLC, BriLi, LLC, Devon Energy Production Company, L.P., Mayhill Oil Corporation, Dog Tired Investments, LLC, Sapphire Royalties, Inc., James D. Snelson, and Cat Spring Properties, LLC (overriding royalty interest owners), or your successors or assigns: Caza Petroleum, LLC has filed the following applications with the New Mexico Oil Conservation Division seeking orders pooling uncommitted mineral interest owners in the described well units and formations (all lands are in Township 20 South, Range 35 East, NMPM, Lea County, New Mexico) :

Case No. 22042: the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 17 and the E/2SE/4 of Section 8. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 8H and 10H.

Case No. 22043: the Wolfcamp formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 17 and the E/2SE/4 of Section 8. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 16H.

Case No. 22044: the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 17 and the W/2SE/4 of Section 8. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 5H and 7H.

Case No. 22045 the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 17 and the W/2SE/4 of Section 8. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 15H.

Case No. 22046: the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2W/2 of Section 17 and the E/2SW/4 of Section 8. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 11H and 13H.

Case No. 22047: the Wolfcamp formation underlying a horizontal spacing unit comprised of the E/2W/2 of Section 17 and the E/2SW/4 of Section 8. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 14H.

Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of Caza Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling completing, and equipping the wells. The application is scheduled to be heard at 8:15 a.m. on February 17, 2022. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to emnrd.state.nm.us/OCD/hearings or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>. You are not required to attend this hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, (505) 982-2043, jamesbruce@aol.com. The units are located approximately 13-1/2 miles northwest of Oil Center, New Mexico. #37278

01101711

00263250

JAMES BRUCE
JAMES BRUCE, ATTORNEY AT LAW
P.O. BOX 1056
SANTA FE, NM 87504

EXHIBIT 5