

CASE NO. 2204~~4~~<sup>5</sup>

**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 16H  
**Site:** Desert Rose 17-8 Federal 16H  
**Well:** Desert Rose 17-8 Federal 16H  
**Wellbore:** Desert Rose 17-8 Federal 16H  
**Design:** 200108 Desert Rose 17-8 Federal 16H

**Local Co-ordinate Reference:**  
**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

**Well Desert Rose 17-8 Federal 16H**  
 WELL @ 3724.0usft (Original Well Elev)  
 WELL @ 3724.0usft (Original Well Elev)  
 Grid  
 Minimum Curvature  
 EDM 5000.1 Single User Db

**Project:** Desert Rose 17-8 Federal 16H  
**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 16H  
**Site Position:** Northing: 570,777.82 usft Latitude: 32° 33' 56.250 N  
**From:** Easting: 806,324.74 usft Longitude: 103° 28' 23.480 W  
**Position Uncertainty:** Map 1.0 usft Slot Radius: 17-1/2 " Grid Convergence: 0.46 °

**Well:** Desert Rose 17-8 Federal 16H  
**Well Position:** +N/-S 0.0 usft Northing: 570,777.82 usft Latitude: 32° 33' 58.250 N  
 +E/-W 0.0 usft Easting: 806,324.74 usft Longitude: 103° 28' 23.480 W  
**Position Uncertainty:** 1.0 usft Wellhead Elevation: usft Ground Level: 3,702.0 usft

Wellbore	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
Desert Rose 17-8 Federal 16H	IGRF2015	1/8/2020	6.71	60.25	47,867

Design	Phase	Tie On Depth:
200108 Desert Rose 17-8 Federal 16H	PLAN	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	1.94

Survey Tool Program	Date	Tool Name	Description
From (usft) To (usft) Survey (Wellbore)	1/8/2020	MWD	MWD - Standard
0.0 19,378.0 200108 Desert Rose 17-8 Federal 16H (De		MWD	MWD - Standard



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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)
0.0	0.00	0.00	0.0	-3,724.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
100.0	0.00	0.00	100.0	-3,624.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
120.0	0.00	0.00	120.0	-3,604.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
<b>20" Conductor</b>										
200.0	0.00	0.00	200.0	-3,524.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
300.0	0.00	0.00	300.0	-3,424.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
400.0	0.00	0.00	400.0	-3,324.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
500.0	0.00	0.00	500.0	-3,224.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
600.0	0.00	0.00	600.0	-3,124.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
700.0	0.00	0.00	700.0	-3,024.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
800.0	0.00	0.00	800.0	-2,924.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
900.0	0.00	0.00	900.0	-2,824.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
1,000.0	0.00	0.00	1,000.0	-2,724.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
1,100.0	0.00	0.00	1,100.0	-2,624.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
1,200.0	0.00	0.00	1,200.0	-2,524.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
1,300.0	0.00	0.00	1,300.0	-2,424.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
1,400.0	0.00	0.00	1,400.0	-2,324.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
1,500.0	0.00	0.00	1,500.0	-2,224.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
1,600.0	0.00	0.00	1,600.0	-2,124.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
1,700.0	0.00	0.00	1,700.0	-2,024.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
1,800.0	0.00	0.00	1,800.0	-1,924.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
1,900.0	0.00	0.00	1,900.0	-1,824.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
1,946.0	0.00	0.00	1,946.0	-1,778.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
<b>Rusiter</b>										
2,000.0	0.00	0.00	2,000.0	-1,724.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
2,100.0	0.00	0.00	2,100.0	-1,624.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
2,150.0	0.00	0.00	2,150.0	-1,574.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
<b>13 3/8" Surface Casing</b>										

**ATTACHMENT D**

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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)
2,200.0	0.00	0.00	2,200.0	-1,524.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
2,274.0	0.00	0.00	2,274.0	-1,450.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
<b>Top of Salt</b>										
2,300.0	0.00	0.00	2,300.0	-1,424.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
2,400.0	0.00	0.00	2,400.0	-1,324.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
2,500.0	0.00	0.00	2,500.0	-1,224.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
2,600.0	0.00	0.00	2,600.0	-1,124.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
2,700.0	0.00	0.00	2,700.0	-1,024.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
2,800.0	0.00	0.00	2,800.0	-924.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
2,900.0	0.00	0.00	2,900.0	-824.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
3,000.0	0.00	0.00	3,000.0	-724.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
3,100.0	0.00	0.00	3,100.0	-624.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
3,200.0	0.00	0.00	3,200.0	-524.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
3,300.0	0.00	0.00	3,300.0	-424.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
3,400.0	0.00	0.00	3,400.0	-324.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
3,500.0	0.00	0.00	3,500.0	-224.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
3,600.0	0.00	0.00	3,600.0	-124.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
3,623.0	0.00	0.00	3,623.0	-101.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
<b>Base of Salt</b>										
3,700.0	0.00	0.00	3,700.0	-24.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
3,800.0	0.00	0.00	3,800.0	76.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
3,825.0	0.00	0.00	3,825.0	101.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
<b>Yates</b>										
3,900.0	0.00	0.00	3,900.0	176.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
4,000.0	0.00	0.00	4,000.0	276.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
4,100.0	0.00	0.00	4,100.0	376.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
4,200.0	0.00	0.00	4,200.0	476.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00



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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)
4,225.0	0.00	0.00	4,225.0	501.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
<b>Capitan Reef</b>										
4,300.0	0.00	0.00	4,300.0	576.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
4,400.0	0.00	0.00	4,400.0	676.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
4,500.0	0.00	0.00	4,500.0	776.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
4,600.0	0.00	0.00	4,600.0	876.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
4,700.0	0.00	0.00	4,700.0	976.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
4,800.0	0.00	0.00	4,800.0	1,076.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
4,900.0	0.00	0.00	4,900.0	1,176.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
5,000.0	0.00	0.00	5,000.0	1,276.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
5,100.0	0.00	0.00	5,100.0	1,376.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
5,200.0	0.00	0.00	5,200.0	1,476.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
5,300.0	0.00	0.00	5,300.0	1,576.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
5,400.0	0.00	0.00	5,400.0	1,676.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
5,500.0	0.00	0.00	5,500.0	1,776.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
<b>9 5/8" Intermediate Casing</b>										
5,526.0	0.00	0.00	5,526.0	1,802.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
<b>Delaware</b>										
5,600.0	0.00	0.00	5,600.0	1,876.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
5,700.0	0.00	0.00	5,700.0	1,976.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
5,755.0	0.00	0.00	5,755.0	2,031.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
<b>Cherry Canyon</b>										
5,800.0	0.00	0.00	5,800.0	2,076.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
5,900.0	0.00	0.00	5,900.0	2,176.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
5,970.0	0.00	0.00	5,970.0	2,246.0	0.0	0.0	806,324.74	570,777.82	0.00	0.00
<b>Start Build 2.00</b>										
6,000.0	0.60	105.00	6,000.0	2,276.0	0.0	0.2	806,324.89	570,777.78	-0.04	2.00
6,100.0	2.60	105.00	6,100.0	2,376.0	-0.8	2.8	806,327.59	570,777.06	-0.67	2.00



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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)
6,170.0	4.00	105.00	6,169.8	2,445.8	-1.8	6.7	806,331.48	570,776.01	-1.58	2.00
<b>Start 4700.0 hold at 6170.0 MD</b>										
6,200.0	4.00	105.00	6,199.8	2,475.8	-2.3	8.8	806,333.50	570,775.47	-2.05	0.00
6,300.0	4.00	105.00	6,299.5	2,575.5	-4.2	15.5	806,340.24	570,773.67	-3.63	0.00
6,400.0	4.00	105.00	6,399.3	2,675.3	-6.0	22.2	806,346.98	570,771.86	-5.20	0.00
6,500.0	4.00	105.00	6,499.0	2,775.0	-7.8	29.0	806,353.72	570,770.06	-6.78	0.00
6,526.0	4.00	105.00	6,525.0	2,801.0	-8.2	30.7	806,355.47	570,769.59	-7.19	0.00
<b>Brushy Canyon</b>										
6,600.0	4.00	105.00	6,598.8	2,874.8	-9.6	35.7	806,360.45	570,768.25	-8.35	0.00
6,700.0	4.00	105.00	6,698.5	2,974.5	-11.4	42.5	806,367.19	570,766.45	-9.93	0.00
6,800.0	4.00	105.00	6,798.3	3,074.3	-13.2	49.2	806,373.93	570,764.64	-11.51	0.00
6,900.0	4.00	105.00	6,898.1	3,174.1	-15.0	55.9	806,380.67	570,762.83	-13.08	0.00
7,000.0	4.00	105.00	6,997.8	3,273.8	-16.8	62.7	806,387.41	570,761.03	-14.66	0.00
7,100.0	4.00	105.00	7,097.6	3,373.6	-18.6	69.4	806,394.14	570,759.22	-16.23	0.00
7,200.0	4.00	105.00	7,197.3	3,473.3	-20.4	76.1	806,400.88	570,757.42	-17.81	0.00
7,300.0	4.00	105.00	7,297.1	3,573.1	-22.2	82.9	806,407.62	570,755.61	-19.38	0.00
7,400.0	4.00	105.00	7,396.8	3,672.8	-24.0	89.6	806,414.36	570,753.81	-20.96	0.00
7,500.0	4.00	105.00	7,496.6	3,772.6	-25.8	96.4	806,421.10	570,752.00	-22.54	0.00
7,600.0	4.00	105.00	7,596.4	3,872.4	-27.6	103.1	806,427.83	570,750.20	-24.11	0.00
7,700.0	4.00	105.00	7,696.1	3,972.1	-29.4	109.8	806,434.57	570,748.39	-25.69	0.00
7,800.0	4.00	105.00	7,795.9	4,071.9	-31.2	116.6	806,441.31	570,746.59	-27.26	0.00
7,900.0	4.00	105.00	7,895.6	4,171.6	-33.0	123.3	806,448.05	570,744.78	-28.84	0.00
8,000.0	4.00	105.00	7,995.4	4,271.4	-34.8	130.0	806,454.79	570,742.97	-30.42	0.00
8,100.0	4.00	105.00	8,095.1	4,371.1	-36.7	136.8	806,461.52	570,741.17	-31.99	0.00
8,200.0	4.00	105.00	8,194.9	4,470.9	-38.5	143.5	806,468.26	570,739.36	-33.57	0.00
8,300.0	4.00	105.00	8,294.6	4,570.6	-40.3	150.3	806,475.00	570,737.56	-35.14	0.00



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8,302.4	4.00	105.00	8,297.0	4,573.0	-40.3	150.4	806,475.16	570,737.52	-35.18	0.00
<b>Bone Spring</b>										
8,400.0	4.00	105.00	8,394.4	4,670.4	-42.1	157.0	806,481.74	570,735.75	-36.72	0.00
8,500.0	4.00	105.00	8,494.2	4,770.2	-43.9	163.7	806,488.48	570,733.95	-38.30	0.00
8,600.0	4.00	105.00	8,593.9	4,869.9	-45.7	170.5	806,495.21	570,732.14	-39.87	0.00
8,700.0	4.00	105.00	8,693.7	4,969.7	-47.5	177.2	806,501.95	570,730.34	-41.45	0.00
8,800.0	4.00	105.00	8,793.4	5,069.4	-49.3	183.9	806,508.69	570,728.53	-43.02	0.00
8,900.0	4.00	105.00	8,893.2	5,169.2	-51.1	190.7	806,515.43	570,726.73	-44.60	0.00
9,000.0	4.00	105.00	8,992.9	5,268.9	-52.9	197.4	806,522.16	570,724.92	-46.18	0.00
9,100.0	4.00	105.00	9,092.7	5,368.7	-54.7	204.2	806,528.90	570,723.11	-47.75	0.00
9,200.0	4.00	105.00	9,192.5	5,468.5	-56.5	210.9	806,535.64	570,721.31	-49.33	0.00
9,300.0	4.00	105.00	9,292.2	5,568.2	-58.3	217.6	806,542.38	570,719.50	-50.90	0.00
9,400.0	4.00	105.00	9,392.0	5,668.0	-60.1	224.4	806,549.12	570,717.70	-52.48	0.00
9,500.0	4.00	105.00	9,491.7	5,767.7	-61.9	231.1	806,555.85	570,715.89	-54.06	0.00
9,600.0	4.00	105.00	9,591.5	5,867.5	-63.7	237.9	806,562.59	570,714.09	-55.63	0.00
9,617.6	4.00	105.00	9,609.0	5,885.0	-64.0	239.0	806,563.78	570,713.77	-55.91	0.00
<b>1st BS Sand</b>										
9,700.0	4.00	105.00	9,691.2	5,967.2	-65.5	244.6	806,569.33	570,712.28	-57.21	0.00
9,800.0	4.00	105.00	9,791.0	6,067.0	-67.3	251.3	806,576.07	570,710.48	-58.78	0.00
9,900.0	4.00	105.00	9,890.8	6,166.8	-69.1	258.1	806,582.81	570,708.67	-60.36	0.00
10,000.0	4.00	105.00	9,990.5	6,266.5	-71.0	264.8	806,589.54	570,706.87	-61.94	0.00
10,100.0	4.00	105.00	10,090.3	6,366.3	-72.8	271.5	806,596.28	570,705.06	-63.51	0.00
10,200.0	4.00	105.00	10,190.0	6,466.0	-74.6	278.3	806,603.02	570,703.25	-65.09	0.00
10,256.1	4.00	105.00	10,246.0	6,522.0	-75.6	282.1	806,606.80	570,702.24	-65.97	0.00
<b>2nd BS Sand</b>										
10,300.0	4.00	105.00	10,289.8	6,565.8	-76.4	285.0	806,609.76	570,701.45	-66.66	0.00
10,400.0	4.00	105.00	10,389.5	6,665.5	-78.2	291.8	806,616.50	570,699.64	-68.24	0.00

**Morcor Engineering**  
Morcor Standard Plan



**Company:** Caza Operating LLC  
**Project:** Desert Rose 17-8 Federal 16H  
**Site:** Desert Rose 17-8 Federal 16H  
**Well:** Desert Rose 17-8 Federal 16H  
**Wellbore:** Desert Rose 17-8 Federal 16H  
**Design:** 200108 Desert Rose 17-8 Federal 16H

**Local Co-ordinate Reference:**  
**TVD Reference:** Well Desert Rose 17-8 Federal 16H  
**MD Reference:** WELL @ 3724.0usft (Original Well Elev)  
**North Reference:** WELL @ 3724.0usft (Original Well Elev)  
**Survey Calculation Method:** Grid  
**Database:** 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)
10,500.0	4.00	105.00	10,489.3	6,765.3	-80.0	298.5	806,623.23	570,697.84	-69.81	0.00
10,600.0	4.00	105.00	10,569.0	6,865.0	-81.8	305.2	806,629.97	570,696.03	-71.39	0.00
10,700.0	4.00	105.00	10,688.8	6,964.8	-83.6	312.0	806,636.71	570,694.23	-72.97	0.00
10,800.0	4.00	105.00	10,788.6	7,064.6	-85.4	318.7	806,643.45	570,692.42	-74.54	0.00
10,870.0	4.00	105.00	10,858.4	7,134.4	-86.7	323.4	806,648.16	570,691.16	-75.65	0.00
<b>Start Drop -2.00</b>										
10,900.0	3.40	105.00	10,888.3	7,164.3	-87.2	325.3	806,650.03	570,690.66	-76.08	2.00
11,000.0	1.40	105.00	10,988.2	7,264.2	-88.2	329.3	806,654.08	570,689.57	-77.03	2.00
11,070.0	0.00	0.00	11,058.2	7,334.2	-88.5	330.2	806,654.91	570,689.35	-77.22	2.00
<b>Start 100.0 hold at 11070.0 MD</b>										
11,100.0	0.00	0.00	11,088.2	7,364.2	-88.5	330.2	806,654.91	570,689.35	-77.22	0.00
11,170.0	0.00	0.00	11,158.2	7,434.2	-88.5	330.2	806,654.91	570,689.35	-77.22	0.00
<b>Start Build 11.01</b>										
11,200.0	3.30	359.53	11,188.2	7,464.2	-87.6	330.2	806,654.90	570,690.22	-76.36	11.01
11,300.0	14.32	359.53	11,286.9	7,562.9	-72.3	330.0	806,654.77	570,705.51	-61.08	11.01
11,383.7	23.54	359.53	11,366.0	7,642.0	-45.2	329.8	806,654.55	570,732.64	-33.97	11.01
<b>3rd BS Sand</b>										
11,400.0	25.33	359.53	11,380.8	7,656.8	-38.5	329.8	806,654.50	570,739.37	-27.25	11.01
11,500.0	36.34	359.53	11,466.5	7,742.5	12.7	329.3	806,654.08	570,790.55	23.89	11.01
11,528.5	39.48	359.53	11,489.0	7,765.0	30.2	329.2	806,653.93	570,808.04	41.37	11.01
<b>Wolfcamp</b>										
11,600.0	47.36	359.53	11,540.9	7,816.9	79.3	328.8	806,653.53	570,857.16	90.44	11.01
11,700.0	58.37	359.53	11,601.2	7,877.2	158.9	328.1	806,652.88	570,936.76	169.97	11.01
11,800.0	69.38	359.53	11,645.2	7,921.2	248.6	327.4	806,652.14	571,026.40	259.54	11.01
11,900.0	80.40	359.53	11,671.2	7,947.2	345.0	326.6	806,651.35	571,122.79	355.85	11.01
12,000.0	91.41	359.53	11,678.3	7,954.3	444.6	325.8	806,650.53	571,222.38	455.35	11.01
<b>Start 775.0 hold at 12000.0 MD</b>										
12,100.0	91.41	359.53	11,675.9	7,951.9	544.5	325.0	806,649.71	571,322.35	555.23	0.00



**Morcor Engineering**  
Morcor Standard Plan



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**Wellbore:** Desert Rose 17-8 Federal 16H  
**Design:** 200108 Desert Rose 17-8 Federal 16H

**Local Co-ordinate Reference:** Well Desert Rose 17-8 Federal 16H  
**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

**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)
12,200.0	91.41	359.53	11,673.4	7,949.4	644.5	324.2	806,648.89	571,422.31	655.11	0.00
12,300.0	91.41	359.53	11,670.9	7,946.9	744.5	323.3	806,648.07	571,522.28	754.99	0.00
12,400.0	91.41	359.53	11,668.5	7,944.5	844.4	322.5	806,647.25	571,622.25	854.87	0.00
12,500.0	91.41	359.53	11,666.0	7,942.0	944.4	321.7	806,646.43	571,722.21	954.76	0.00
12,600.0	91.41	359.53	11,663.5	7,939.5	1,044.4	320.9	806,645.61	571,822.18	1,054.64	0.00
12,700.0	91.41	359.53	11,661.1	7,937.1	1,144.3	320.1	806,644.79	571,922.14	1,154.52	0.00
12,775.0	91.41	359.53	11,659.2	7,935.2	1,219.3	319.4	806,644.18	571,997.12	1,229.43	0.00
<b>Start 3960.0 hold at 12775.0 MD</b>										
12,800.0	91.41	359.53	11,658.6	7,934.6	1,244.3	319.2	806,643.97	572,022.11	1,254.40	0.00
12,900.0	91.41	359.53	11,656.2	7,932.2	1,344.3	318.4	806,643.15	572,122.08	1,354.28	0.00
13,000.0	91.41	359.53	11,653.7	7,929.7	1,444.2	317.6	806,642.33	572,222.04	1,454.16	0.00
13,100.0	91.41	359.53	11,651.2	7,927.2	1,544.2	316.8	806,641.51	572,322.01	1,554.04	0.00
13,200.0	91.41	359.53	11,648.8	7,924.8	1,644.2	316.0	806,640.69	572,421.98	1,653.92	0.00
13,300.0	91.41	359.53	11,646.3	7,922.3	1,744.1	315.1	806,639.87	572,521.94	1,753.80	0.00
13,400.0	91.41	359.53	11,643.9	7,919.9	1,844.1	314.3	806,639.05	572,621.91	1,853.69	0.00
13,500.0	91.41	359.53	11,641.4	7,917.4	1,944.1	313.5	806,638.23	572,721.88	1,953.57	0.00
13,600.0	91.41	359.53	11,638.9	7,914.9	2,044.0	312.7	806,637.41	572,821.84	2,053.45	0.00
13,700.0	91.41	359.53	11,636.5	7,912.5	2,144.0	311.9	806,636.59	572,921.81	2,153.33	0.00
13,800.0	91.41	359.53	11,634.0	7,910.0	2,244.0	311.0	806,635.77	573,021.77	2,253.21	0.00
13,900.0	91.41	359.53	11,631.6	7,907.6	2,343.9	310.2	806,634.95	573,121.74	2,353.09	0.00
14,000.0	91.41	359.53	11,629.1	7,905.1	2,443.9	309.4	806,634.13	573,221.71	2,452.97	0.00
14,100.0	91.41	359.53	11,626.6	7,902.6	2,543.9	308.6	806,633.31	573,321.67	2,552.85	0.00
14,200.0	91.41	359.53	11,624.2	7,900.2	2,643.8	307.8	806,632.49	573,421.64	2,652.73	0.00
14,300.0	91.41	359.53	11,621.7	7,897.7	2,743.8	306.9	806,631.67	573,521.61	2,752.62	0.00
14,400.0	91.41	359.53	11,619.3	7,895.3	2,843.8	306.1	806,630.85	573,621.57	2,852.50	0.00
14,500.0	91.41	359.53	11,616.8	7,892.8	2,943.7	305.3	806,630.03	573,721.54	2,952.38	0.00
14,600.0	91.41	359.53	11,614.3	7,890.3	3,043.7	304.5	806,629.21	573,821.51	3,052.26	0.00

**Morcor Engineering**  
Morcor Standard Plan



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**Wellbore:** Desert Rose 17-8 Federal 16H  
**Design:** 200108 Desert Rose 17-8 Federal 16H

**Local Co-ordinate Reference:**  
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**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

**Well Desert Rose 17-8 Federal 16H**  
 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)
14,700.0	91.41	359.53	11,611.9	7,887.9	3,143.7	303.7	806,628.39	573,921.47	3,152.14	0.00
14,800.0	91.41	359.53	11,609.4	7,885.4	3,243.6	302.8	806,627.57	574,021.44	3,252.02	0.00
14,900.0	91.41	359.53	11,607.0	7,883.0	3,343.6	302.0	806,626.75	574,121.40	3,351.90	0.00
15,000.0	91.41	359.53	11,604.5	7,880.5	3,443.6	301.2	806,625.93	574,221.37	3,451.78	0.00
15,100.0	91.41	359.53	11,602.0	7,878.0	3,543.5	300.4	806,625.11	574,321.34	3,551.66	0.00
15,200.0	91.41	359.53	11,599.6	7,875.6	3,643.5	299.6	806,624.29	574,421.30	3,651.54	0.00
15,300.0	91.41	359.53	11,597.1	7,873.1	3,743.4	298.7	806,623.47	574,521.27	3,751.43	0.00
15,400.0	91.41	359.53	11,594.6	7,870.6	3,843.4	297.9	806,622.65	574,621.24	3,851.31	0.00
15,500.0	91.41	359.53	11,592.2	7,868.2	3,943.4	297.1	806,621.83	574,721.20	3,951.19	0.00
15,600.0	91.41	359.53	11,589.7	7,865.7	4,043.3	296.3	806,621.01	574,821.17	4,051.07	0.00
15,700.0	91.41	359.53	11,587.3	7,863.3	4,143.3	295.5	806,620.19	574,921.14	4,150.95	0.00
15,800.0	91.41	359.53	11,584.8	7,860.8	4,243.3	294.6	806,619.37	575,021.10	4,250.83	0.00
15,900.0	91.41	359.53	11,582.3	7,858.3	4,343.2	293.8	806,618.55	575,121.07	4,350.71	0.00
16,000.0	91.41	359.53	11,579.9	7,855.9	4,443.2	293.0	806,617.73	575,221.03	4,450.59	0.00
16,100.0	91.41	359.53	11,577.4	7,853.4	4,543.2	292.2	806,616.91	575,321.00	4,550.47	0.00
16,200.0	91.41	359.53	11,575.0	7,851.0	4,643.1	291.4	806,616.09	575,420.97	4,650.36	0.00
16,300.0	91.41	359.53	11,572.5	7,848.5	4,743.1	290.5	806,615.27	575,520.93	4,750.24	0.00
16,400.0	91.41	359.53	11,570.0	7,846.0	4,843.1	289.7	806,614.45	575,620.90	4,850.12	0.00
16,500.0	91.41	359.53	11,567.6	7,843.6	4,943.0	288.9	806,613.63	575,720.87	4,950.00	0.00
16,600.0	91.41	359.53	11,565.1	7,841.1	5,043.0	288.1	806,612.81	575,820.83	5,049.88	0.00
16,700.0	91.41	359.53	11,562.7	7,838.7	5,143.0	287.3	806,611.99	575,920.80	5,149.76	0.00
16,735.0	91.41	359.53	11,561.8	7,837.8	5,178.0	287.0	806,611.70	575,955.79	5,184.72	0.00
<b>Start 2643.0 hold at 16735.0 MD</b>										
16,800.0	91.41	359.53	11,560.2	7,836.2	5,242.9	286.4	806,611.17	576,020.77	5,249.64	0.00
16,900.0	91.41	359.53	11,557.7	7,833.7	5,342.9	285.6	806,610.35	576,120.73	5,349.52	0.00
17,000.0	91.41	359.53	11,555.3	7,831.3	5,442.9	284.8	806,609.53	576,220.70	5,449.40	0.00
17,100.0	91.41	359.53	11,552.8	7,828.8	5,542.8	284.0	806,608.71	576,320.66	5,549.29	0.00

**Morcor Engineering**  
Morcor Standard Plan



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MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Eastng (usft)	Northing (usft)	V. Sec (usft)	DLeg (°/100usft)
17,200.0	91.41	359.53	11,550.4	7,826.4	5,642.8	283.2	806,607.89	576,420.63	5,649.17	0.00
17,300.0	91.41	359.53	11,547.9	7,823.9	5,742.8	282.3	806,607.07	576,520.60	5,749.05	0.00
17,400.0	91.41	359.53	11,545.4	7,821.4	5,842.7	281.5	806,606.25	576,620.56	5,848.93	0.00
17,500.0	91.41	359.53	11,543.0	7,819.0	5,942.7	280.7	806,605.43	576,720.53	5,948.81	0.00
17,600.0	91.41	359.53	11,540.5	7,816.5	6,042.7	279.9	806,604.61	576,820.50	6,048.69	0.00
17,700.0	91.41	359.53	11,538.1	7,814.1	6,142.6	279.1	806,603.79	576,920.46	6,148.57	0.00
17,800.0	91.41	359.53	11,535.6	7,811.6	6,242.6	278.2	806,602.97	577,020.43	6,248.45	0.00
17,900.0	91.41	359.53	11,533.1	7,809.1	6,342.6	277.4	806,602.15	577,120.39	6,348.33	0.00
18,000.0	91.41	359.53	11,530.7	7,806.7	6,442.5	276.6	806,601.33	577,220.36	6,448.22	0.00
18,100.0	91.41	359.53	11,528.2	7,804.2	6,542.5	275.8	806,600.51	577,320.33	6,548.10	0.00
18,200.0	91.41	359.53	11,525.8	7,801.8	6,642.5	274.9	806,599.69	577,420.29	6,647.98	0.00
18,300.0	91.41	359.53	11,523.3	7,799.3	6,742.4	274.1	806,598.87	577,520.26	6,747.86	0.00
18,400.0	91.41	359.53	11,520.8	7,796.8	6,842.4	273.3	806,598.05	577,620.23	6,847.74	0.00
18,500.0	91.41	359.53	11,518.4	7,794.4	6,942.4	272.5	806,597.23	577,720.19	6,947.62	0.00
18,600.0	91.41	359.53	11,515.9	7,791.9	7,042.3	271.7	806,596.41	577,820.16	7,047.50	0.00
18,700.0	91.41	359.53	11,513.4	7,789.4	7,142.3	270.8	806,595.59	577,920.13	7,147.38	0.00
18,800.0	91.41	359.53	11,511.0	7,787.0	7,242.3	270.0	806,594.77	578,020.09	7,247.26	0.00
18,900.0	91.41	359.53	11,508.5	7,784.5	7,342.2	269.2	806,593.95	578,120.06	7,347.14	0.00
19,000.0	91.41	359.53	11,506.1	7,782.1	7,442.2	268.4	806,593.13	578,220.02	7,447.03	0.00
19,100.0	91.41	359.53	11,503.6	7,779.6	7,542.2	267.6	806,592.31	578,319.99	7,546.91	0.00
19,200.0	91.41	359.53	11,501.1	7,777.1	7,642.1	266.7	806,591.49	578,419.96	7,646.79	0.00
19,300.0	91.41	359.53	11,498.7	7,774.7	7,742.1	265.9	806,590.67	578,519.92	7,746.67	0.00
19,378.0	91.41	359.53	11,496.8	7,772.8	7,820.1	265.3	806,590.03	578,597.90	7,824.58	0.00

TD at 19378.0 - 6" Production Casing

**Morcor Engineering**  
Morcor Standard Plan



**Company:** Caza Operating LLC  
**Project:** Desert Rose 17-8 Federal 16H  
**Site:** Desert Rose 17-8 Federal 16H  
**Well:** Desert Rose 17-8 Federal 16H  
**Wellbore:** Desert Rose 17-8 Federal 16H  
**Design:** 200108 Desert Rose 17-8 Federal 16H

**Local Co-ordinate Reference:**  
**TVD Reference:** Well Desert Rose 17-8 Federal 16H  
**MD Reference:** WELL @ 3724.0usft (Original Well Elev)  
**North Reference:** WELL @ 3724.0usft (Original Well Elev)  
**Survey Calculation Method:** Grid  
**Database:** Minimum Curvature  
 EDM 5000.1 Single User Db

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
120.0	120.0	20" Conductor	20	26
2,150.0	2,150.0	13 3/8" Surface Casing	13-3/8	17-1/2
5,500.0	5,500.0	9 5/8" Intermediate Casing	9-5/8	12-1/4
19,378.0	11,496.8	6" Production Casing	6	8-3/4

Measured Depth (usft)	Vertical Depth (usft)	Name	Dip (°)	Dip Direction (°)	Lithology
1,946.0	1,946.0	Ruslter	0.00		
10,256.1	10,246.0	2nd BS Sand	0.00		
6,526.0	6,525.0	Brushy Canyon	0.00		
3,825.0	3,825.0	Yates	0.00		
4,225.0	4,225.0	Capitan Reef	0.00		
8,302.4	8,297.0	Bone Spring	0.00		
5,528.5	5,526.0	Delaware	0.00		
3,623.0	11,489.0	Wolfcamp	0.00		
11,383.7	3,623.0	Base of Salt	0.00		
2,274.0	11,366.0	3rd BS Sand	0.00		
9,617.6	2,274.0	Top of Salt	0.00		
5,755.0	9,609.0	1st BS Sand	0.00		
	5,755.0	Cherry Canyon	0.00		

**Morcor Engineering**  
Morcor Standard Plan



**Company:** Caza Operating LLC  
**Project:** Desert Rose 17-8 Federal 16H  
**Site:** Desert Rose 17-8 Federal 16H  
**Well:** Desert Rose 17-8 Federal 16H  
**Wellbore:** Desert Rose 17-8 Federal 16H  
**Design:** 200108 Desert Rose 17-8 Federal 16H

**Local Co-ordinate Reference:** Well Desert Rose 17-8 Federal 16H  
**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

**Plan Annotations**

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
5,970.0	5,970.0	0.0	0.0	Start Build 2.00
6,170.0	6,169.8	-1.8	6.7	Start 4700.0 hold at 6170.0 MD
10,870.0	10,858.4	-86.7	323.4	Start Drop -2.00
11,070.0	11,058.2	-88.5	330.2	Start 100.0 hold at 11070.0 MD
11,170.0	11,158.2	-88.5	330.2	Start Build 11.01
12,000.0	11,678.3	444.6	325.8	Start 775.0 hold at 12000.0 MD
12,775.0	11,659.2	1,219.3	319.4	Start 3960.0 hold at 12775.0 MD
16,735.0	11,561.8	5,178.0	287.0	Start 2643.0 hold at 16735.0 MD
19,378.0	11,496.8	7,820.1	265.3	TD at 19378.0

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](mailto: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](http://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](mailto: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. 24<sup>th</sup> 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

## E2W2 240 ac Bone Spring & Wolfcamp

Desert Rose 17-8 Federal Com #11H #13H #14H

ORRI	McMullen Minerals, LLC	ORRI
ORRI	Pegasus Resources, LLC	ORRI
ORRI	Escondido Oil & Gas, LLC	ORRI
ORRI	BriLi, LLC	ORRI
ORRI	Devon Energy Production Company, L.P.	ORRI
WI	Lynn Charuk	ORRI/WI
WI	True North Exploration, Inc. (formerly SDX)	ORRI
WI	JSTM Energy Investments, LLC	ORRI/WI
WI	O'Brien Oil & Gas Inc.	ORRI
WI	Cinco Tierras, LLC	ORRI/WI
WI	Wallco Investments LLC	ORRI/WI
WI	Tiger Creek Capital Partners, LP	ORRI/WI
WI	Gary J. Lamb, Inc.	ORRI
WI	America West Resources, LLC	ORRI
WI	D&M Snelson Properties, LP	ORRI
WI	Broughton Petroleum Inc.	ORRI/WI
WI	Wallace Investment Group, LLC	ORRI/WI
WI	Kantech Properties, LLC	ORRI/WI
WI	CHLP Interests, LLC	ORRI/WI
WI	Marks Oil, Inc.	ORRI
WI	Marshall B. Miller, Jr.	WI
WI	Glenbrook Partners DE, LTD	WI
WI	Alpar Energy, LP	WI
WI	Hat Creek Exploration	WI
WI	Dale H & Jean F Dorn Testamentary Trust	WI
WI	Maverick Oil & Gas Equity, LLC	WI
WI	Eagle Owl LLC	WI
WI	Nance Resources, Inc.	WI
WI	Chevron	WI
WI	Caza Petroleum, LLC	WI
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		WI
		WI
		WI
		WI

## 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
Saphire 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

4



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

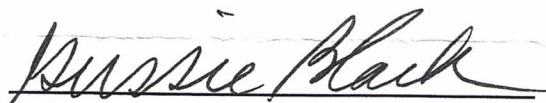
STATE OF NEW MEXICO  
COUNTY OF LEA

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).

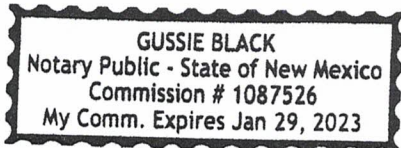
Beginning with the issue dated  
February 03, 2022  
and ending with the issue dated  
February 03, 2022.

  
\_\_\_\_\_  
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, Walco 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 [emnr.state.nm.us/OCD/hearings](http://emnr.state.nm.us/OCD/hearings) or see the instructions posted on the Division's website, <http://emnr.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](mailto: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