

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

NM OIL CONSERVATION
State of New Mexico **ARTESIA DISTRICT**
Energy, Minerals & Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011
FEB 06 2017
Submit one copy to appropriate District Office
RECEIVED ☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Caza Oil and Gas, Inc 200 N. Lorraine St #1550, Midland, TX 79701		² OGRID Number 249099 ³ Reason for Filing Code/ Effective Date RT - 10,000bbls crude - January 2017	
⁴ API Number 30 - 0	⁵ Pool Name WC-015 G-06 S242713N; Upr Wolfcamp ✓	⁶ Pool Code 98189	
⁷ Property Code 39924	⁸ Property Name Mad River 13 State	⁹ Well Number 3H	

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	13	24S	27E		330	South	100	East	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	13	24S	27E		330-393	South	330 404	west	Eddy

¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 1/16/2016	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	O/G/W
34053	Plains Marketing, LP 333 Clay St. #1600, Houston, TX 77002	O
	Lucid Energy Group, LLC 3100 McKinnon Street, Suite 800 Dallas, TX 75201	G
	Hydrosteam Oilfield Services 2013 E. Oak, Hobbs, NM 88240	W

IV. Well Completion Data

Spud Date	Ready Date	TD	PBDT	Perforations	DHC, MC
10/28/2016	1/2/2017	13882	13822	9750-13575	

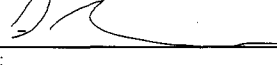
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement
17.5	13.375" J-55 54.5#	755	1006
12.25	9.625" J-55 & L-80 40#	5785	1418
8.75	5.5" P-110 20#	13882	2545

V. Well Test Data

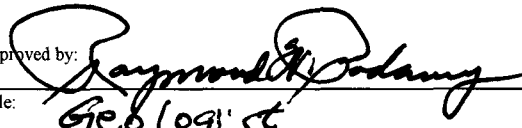
Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure
1/13/2017	1/16/2017	1/19/2017	24 hours	2141	

Choke Size	Oil	Water	Gas	Test Method
22/64	489	1959	909	Flowing

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: Steve Morris
 Title: Contract engineer
 E-mail Address: steve.morris@mojoenergy.com
 Date: 2/02/2017
 Phone: 403-923-9750

OIL CONSERVATION DIVISION

Approved by: 
 Title: Geologist
 Approval Date: 2-21-2017

Provide complete survey w/signature page

Company: Caza Oil & Gas, Inc.

Field: 13-T24S-R27E

County / State: Eddy/New Mexico

Well Name: Mad River 13 State Com 3H

Surveys Corrected to Grid North

Job Number: 167100

API Number: 30-015-43898

Permit Number: 39924

Magnetic North: 7.33

Start Date: 10/27/16

Proposed Azimuth: 268.59

Target Inclination: 90.96

Surface Location: 330FSL 100FEL

Bottom Hole Location: 330FSL 330FWL

End Date:



CATHEDRAL

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	EW/ (ft)	Dist (ft)	Ang (°)			
0		0	0.00	0.00		0.00	0.00	0.00 N	0.00 W					
1	HTR	219.00	0.40	270.80	219	219.00	0.76	0.01 N	0.76 W	0.76	270.80	0.18	0.18	-40.73
2	HTR	347.00	0.70	195.00	128	346.99	1.43	0.74 S	1.41 W	1.59	242.42	0.56	0.23	-59.22
3	HTR	516.00	1.20	203.10	169	515.97	2.46	3.36 S	2.37 W	4.12	215.23	0.31	0.30	4.79
4	HTR	691.00	0.70	192.40	175	690.95	3.47	6.09 S	3.32 W	6.94	208.61	0.30	-0.29	-6.11
5	HTR	868.00	1.10	206.10	177	867.92	4.52	8.67 S	4.30 W	9.68	206.38	0.26	0.23	7.74
6	HTR	1052.00	1.50	202.50	184	1051.88	6.31	12.49 S	6.00 W	13.85	205.67	0.22	0.22	-1.96
7	HTR	1239.00	1.20	211.50	187	1238.82	8.36	16.42 S	7.96 W	18.25	205.87	0.20	-0.16	4.81
8	HTR	1430.00	1.10	254.80	191	1429.79	11.23	18.60 S	10.78 W	21.50	210.08	0.45	-0.05	22.67
9	HTR	1621.00	0.90	307.30	191	1620.76	14.18	18.17 S	13.74 W	22.78	217.09	0.47	-0.10	27.49
10	HTR	1811.00	0.60	327.60	190	1810.75	15.86	16.43 S	15.46 W	22.56	223.25	0.21	-0.16	10.68
11	HTR	2002.00	1.50	66.40	191	2001.72	14.06	14.58 S	13.70 W	20.01	223.22	0.89	0.47	51.73
12	HTR	2192.00	3.20	97.80	190	2191.56	6.52	14.31 S	6.17 W	15.58	203.32	1.09	0.89	16.53
13	HTR	2382.00	2.20	57.30	190	2381.37	-1.83	13.06 S	2.15 E	13.23	170.63	1.10	-0.53	-21.32
14	HTR	2571.00	1.80	50.20	189	2570.25	-7.26	9.20 S	7.49 E	11.86	140.85	0.25	-0.21	-3.76
15	HTR	2760.00	1.80	46.50	189	2759.16	-11.79	5.25 S	11.92 E	13.03	113.79	0.06	0.00	-1.00
16	HTR	2949.00	1.60	45.90	189	2948.07	-15.93	1.38 S	15.97 E	16.03	94.92	0.11	-0.11	
17	HTR	3140.00	1.50	42.40	191	3139.00	-19.62	2.33 N	19.57 E	19.71	83.22	0.07	-0.00	
18	HTR	3330.00	1.20	33.30	190	3328.95	-22.48	5.83 N	22.34 E	23.09	75.38	0.19		
19	HTR	3520.00	1.20	31.90	190	3518.91	-24.70	9.18 N	24.48 E	26.15	69.45	0.02		
20	HTR	3710.00	1.00	240.40	190	3708.90	-24.33	10.05 N	24.09 E	26.10	67.36			
21	HTR	3900.00	1.10	240.70	190	3898.86	-21.26	8.34 N	21.06 E	22.65	68.40			
22	HTR	4089.00	1.00	232.60	189	4087.83	-18.32	6.45 N	18.17 E	19.28				
23	HTR	4279.00	1.00	253.40	190	4277.80	-15.38	4.97 N	15.26 E	16.00				
24	HTR	4469.00	0.80	224.90	190	4467.78	-12.82	3.55 N	12.74 E	13				
25	HTR	4659.00	0.90	252.20	190	4657.76	-10.43	2.16 N	10.38 E	10.1				
26	HTR	4848.00	0.90	248.70	189	4846.74	-7.61	1.16 N	7.58 E	7.67				
27	HTR	5038.00	0.70	242.40	190	5036.72	-5.17	0.08 N	5.16 E	5.17				
28	HTR	5227.00	0.60	227.30	189	5225.71	-3.39	1.12 S	3.41 E	3.59				
29	HTR	5415.00	0.60	227.70	188	5413.70	-1.90	2.45 S	1.96 E	3.14				
30	HTR	5605.00	0.70	236.40	190	5603.68	-0.17	3.76 S	0.26 E	3.77				
31	HTR	5789.00	1.50	223.90	184	5787.65	2.50	6.12 S	2.35 W	6.55				
32	HTR	5978.00	1.20	261.20	189	5976.60	6.22	8.21 S	6.02 W	10.18				
33	HTR	6166.00	1.10	344.80	188	6164.57	8.60	6.77 S	8.44 W	10.81				

Provide complete survey w/signature page

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County / State: Eddy/New Mexico

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								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			
34	HTR	6355.00	1.40	192.40	189	6353.56	9.58	7.27 S	9.41 W	11.89	232.30	1.29	0.16	-80.63
35	HTR	6544.00	1.00	197.20	189	6542.51	10.66	11.10 S	10.39 W	15.20	223.11	0.22	-0.21	2.54
36	HTR	6732.00	1.10	256.40	188	6730.49	12.95	13.09 S	12.63 W	18.19	223.97	0.55	0.05	31.49
37	HTR	6921.00	1.30	263.90	189	6919.45	16.86	13.75 S	16.53 W	21.50	230.24	0.13	0.11	3.97
38	HTR	7110.00	0.40	255.90	189	7108.42	19.64	14.13 S	19.30 W	23.92	233.78	0.48	-0.48	-4.23
39	HTR	7300.00	0.40	26.80	190	7298.42	19.97	13.70 S	19.64 W	23.95	235.09	0.38	0.00	-120.58
40	HTR	7488.00	1.50	168.60	188	7486.40	19.24	15.53 S	18.86 W	24.43	230.53	0.97	0.59	75.43
41	HTR	7677.00	0.60	85.60	189	7675.38	17.82	17.88 S	17.38 W	24.94	224.19	0.82	-0.48	-43.92
42	HTR	7866.00	0.30	97.90	189	7864.37	16.34	17.87 S	15.91 W	23.93	221.67	0.17	-0.16	6.51
43	HTR	8055.00	0.50	117.20	189	8053.37	15.13	18.32 S	14.68 W	23.48	218.71	0.13	0.11	10.21
44	HTR	8245.00	1.60	92.80	190	8243.33	11.76	18.83 S	11.30 W	21.95	210.96	0.61	0.58	-12.84
45	HTR	8435.00	1.00	57.60	190	8433.29	7.69	18.07 S	7.25 W	19.47	201.86	0.51	-0.32	-18.53
46	HTR	8623.00	0.70	303.30	188	8621.27	7.23	16.56 S	6.82 W	17.91	202.39	0.76	-0.16	-60.80
47	HTR	8681.00	0.90	300.40	58	8679.27	7.90	16.13 S	7.51 W	17.79	204.96	0.35	0.34	-5.00
48	HTR	8740.00	1.30	267.30	59	8738.26	8.97	15.93 S	8.58 W	18.09	208.30	1.25	0.68	-56.10
49	HTR	8787.00	6.80	257.40	47	8785.12	12.23	16.56 S	11.83 W	20.35	215.54	11.75	11.70	-21.06
50	HTR	8834.00	12.30	257.80	47	8831.45	19.89	18.23 S	19.44 W	26.65	226.85	11.70	11.70	0.85
51	HTR	8881.00	19.90	256.80	47	8876.58	32.65	21.12 S	32.14 W	38.46	236.70	16.18	16.17	-2.13
52	HTR	8929.00	24.50	256.60	48	8921.01	50.39	25.29 S	49.79 W	55.84	243.07	9.58	9.58	-0.42
53	HTR	8976.00	30.40	257.40	47	8962.70	71.61	30.15 S	70.89 W	77.04	246.96	12.58	12.55	1.70
54	HTR	9024.00	36.00	257.90	48	9002.85	97.41	35.76 S	96.56 W	102.97	249.68	11.68	11.67	1.04
55	HTR	9071.00	42.10	259.90	47	9039.33	126.58	41.42 S	125.60 W	132.26	251.75	13.25	12.98	4.26
56	HTR	9119.00	47.00	261.10	48	9073.53	159.91	46.96 S	158.81 W	165.60	253.53	10.36	10.21	2.50
57	HTR	9166.00	53.20	263.50	47	9103.66	195.73	51.76 S	194.52 W	201.29	255.10	13.76	13.19	5.11
58	HTR	9214.00	58.10	266.20	48	9130.74	235.26	55.29 S	233.97 W	240.42	256.71	11.21	10.21	5.62
59	HTR	9261.00	61.60	267.70	47	9154.35	275.88	57.44 S	274.55 W	280.49	258.18	7.94	7.45	3.19
60	HTR	9308.00	64.60	268.50	47	9175.61	317.79	58.82 S	316.44 W	321.86	259.47	6.56	6.38	1.70
61	HTR	9355.00	66.50	270.40	47	9195.06	360.56	59.23 S	359.21 W	364.07	260.64	5.47	4.04	4.04
62	HTR	9403.00	66.40	270.80	48	9214.24	404.54	58.77 S	403.21 W	407.47	261.71	0.79	-0.21	0.83
63	HTR	9450.00	67.00	270.70	47	9232.83	447.67	58.20 S	446.38 W	450.16	262.57	1.29	1.28	-0.21
64	HTR	9497.00	69.60	271.80	47	9250.21	491.29	57.25 S	490.03 W	493.36	263.34	5.94	5.53	2.34
65	HTR	9544.00	71.20	271.50	47	9265.97	535.50	55.97 S	534.29 W	537.21	264.02	3.46	3.40	-0.64
66	HTR	9592.00	71.40	271.50	48	9281.36	580.91	54.78 S	579.74 W	582.32	264.60	0.42	0.42	0.00
67	HTR	9639.00	72.50	272.80	47	9295.93	625.51	53.11 S	624.39 W	626.65	265.14	3.52	2.34	2.77



Azimuths to Grid North
True North: -0.10°
Magnetic North: 7.90°

Magnetic Field
Strength: 48723.7snT
Dip Angle: 60.13°
Date: 12/31/2009
Model: IGRF200510



PROJECT DETAILS: Black River

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001

System Datum: Mean Sea Level

