

DISTRICT I

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

DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210
Phone (505) 748-1283 Fax: (505) 748-9720

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-8178 Fax: (505) 334-6170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate District Office

RECEIVED

NOV 18 2013

AMENDED REPORT
NMOCU ARTESIA

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-41797	Pool Code 30215	Pool Name Hay Hollow, BS. Undesignated 2nd Bone Spring
Property Code 38283	Property Name CASSIOPEIA "BQD" STATE COM	Well Number 2H
OGRID No. 025575	Operator Name YATES PETROLEUM CORP.	Elevation 3109'

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	24	26 S	27 E		10	SOUTH	990	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	24	26 S	27 E		330	NORTH	660	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	PROPOSED BOTTOM HOLE LOCATION Lat - N 32°02'02.99" Long - W 104°08'14.31" NMSPCE- N 376222.07 E 602080.22 (NAD-83)	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division. <i>Cy Cowan</i> 11/14/13 Signature Date Cy Cowan Printed Name cy@yatespetroleum Email Address
	SURFACE LOCATION Lat - N 32°01'13.75" Long - W 104°08'18.06" NMSPCE- N 371246.00 E 601766.42 (NAD-83)	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. Date Surveyed 11/14/13 Signature & Seal Professional Surveyor 7977 Certificate No. 28545 Basin Surveys

Well Name: Cassiopeia BQD State Com. #2H		Tgt N-S: 4976.07	EOC TVD/MD: 7900.00 / 8172.54
Surface Location: Section 24 , Township 26S Range 27E		Tgt E-W: 313.80	
Bottom Hole Location: Section 24 , Township 26S Range 27E		VS: 4985.95	EOL TVD/MD: 7900.00 / 12681.02
		VS Az: 3.61	

MD	Inc.	Azi.	TVD	N/S	E/W	VS	DLS	Comments
0	0	0	0	0	0	0	0	
455.00	0.00	0.00	455.00	0.00	0.00	0.00	0.00	CASTILLE
1795.00	0.00	0.00	1795.00	0.00	0.00	0.00	0.00	TOS
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	BOS
2290.00	0.00	0.00	2290.00	0.00	0.00	0.00	0.00	LAMAR
2330.00	0.00	0.00	2330.00	0.00	0.00	0.00	0.00	BELL CANYON
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	CHERRY CANYON
4440.00	0.00	0.00	4440.00	0.00	0.00	0.00	0.00	BRUSHY CANYON
5980.00	0.00	0.00	5980.00	0.00	0.00	0.00	0.00	BONE SPRINGS
6113.00	0.00	0.00	6113.00	0.00	0.00	0.00	0.00	UPPER AVALON
6299.00	0.00	0.00	6299.00	0.00	0.00	0.00	0.00	MIDDLE AVALON
6560.00	0.00	0.00	6560.00	0.00	0.00	0.00	0.00	LOWER AVALON
6890.00	0.00	0.00	6890.00	0.00	0.00	0.00	0.00	1ST BONE SPRINGS
7422.54	0.00	0.00	7422.54	0.00	0.00	0.00	0.00	KOP
7425.00	0.30	3.61	7425.00	0.01	0.00	0.01	12.00	
7450.00	3.30	3.61	7449.98	0.79	0.05	0.79	12.00	
7475.00	6.30	3.61	7474.89	2.87	0.18	2.88	12.00	
7500.00	9.30	3.61	7499.66	6.26	0.39	6.27	12.00	
7525.00	12.30	3.61	7524.22	10.93	0.69	10.95	12.00	
7550.00	15.30	3.61	7548.49	16.88	1.06	16.91	12.00	
7575.00	18.30	3.61	7572.42	24.09	1.52	24.14	12.00	
7583.00	19.25	3.61	7580.00	26.66	1.68	26.71	12.00	2ND BONE SPRINGS
7600.00	21.30	3.61	7595.94	32.54	2.05	32.60	12.00	
7625.00	24.30	3.61	7618.99	42.20	2.66	42.29	12.00	
7650.00	27.30	3.61	7641.49	53.06	3.35	53.17	12.00	
7675.00	30.30	3.61	7663.40	65.08	4.10	65.21	12.00	
7700.00	33.30	3.61	7684.64	78.22	4.93	78.38	12.00	
7725.00	36.30	3.61	7705.17	92.46	5.83	92.64	12.00	
7750.00	39.30	3.61	7724.93	107.75	6.79	107.96	12.00	
7775.00	42.30	3.61	7743.85	124.05	7.82	124.29	12.00	
7800.00	45.30	3.61	7761.89	141.31	8.91	141.59	12.00	
7825.00	48.30	3.61	7779.01	159.50	10.06	159.81	12.00	
7850.00	51.30	3.61	7795.14	178.55	11.26	178.91	12.00	
7875.00	54.30	3.61	7810.26	198.42	12.51	198.82	12.00	
7900.00	57.30	3.61	7824.31	219.05	13.81	219.49	12.00	
7925.00	60.30	3.61	7837.26	240.39	15.16	240.87	12.00	
7950.00	63.30	3.61	7849.07	262.38	16.55	262.90	12.00	
7975.00	66.30	3.61	7859.72	284.95	17.97	285.52	12.00	
8000.00	69.30	3.61	7869.16	308.05	19.43	308.66	12.00	
8025.00	72.30	3.61	7877.39	331.61	20.91	332.27	12.00	
8050.00	75.30	3.61	7884.36	355.56	22.42	356.27	12.00	
8075.00	78.30	3.61	7890.07	379.85	23.95	380.61	12.00	
8100.00	81.30	3.61	7894.50	404.40	25.50	405.21	12.00	
8125.00	84.30	3.61	7897.64	429.16	27.06	430.01	12.00	
8150.00	87.30	3.61	7899.47	454.04	28.63	454.94	12.00	
8172.54	90.00	3.61	7900.00	476.52	30.05	477.46	12.00	2ND BONE SPRINGS TARGET
12681.02	90.00	3.61	7900.00	4976.07	313.80	4985.95	0.00	EOL