

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Ascent Energy, LLC P.O. Box 270983 Littleton, CO 80127		² OGRID Number: 325830	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 – 025-46548	⁵ Pool Name Salt Lake; Bone Spring		⁶ Pool Code 53560 KZ
⁷ Property Code 326331	⁸ Property Name Big Moose Fed Com		⁹ Well Number 604H

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
M	1	21 S	32 E		338’	South	930’	West	Lea

¹¹ Bottom Hole Location

SL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	13	21 S	32 E		1269’	North	344’	West	Lea
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
372603	3 Bear Delaware Operating – NM. LLC	O
372603	3 Bear Delaware Operating – NM. LLC	G
372603	3 Bear Delaware Operating – NM. LLC	W

IV. Well Completion Data

²¹ Spud Date 12/28/2019	²² Ready Date 10/29/2020	²³ TD 18140’	²⁴ PBTD 18132’	²⁵ Perforations 11690’-18077’	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5”	13-3/8”	1601’	1300 sx		
12.25”	9-5/8”	3200’	1135 sx		
8.75”	7-5/8”	5622’	1025 sx		
6.75”	5-1/2”	18132’	995 sx		

V. Well Test Data

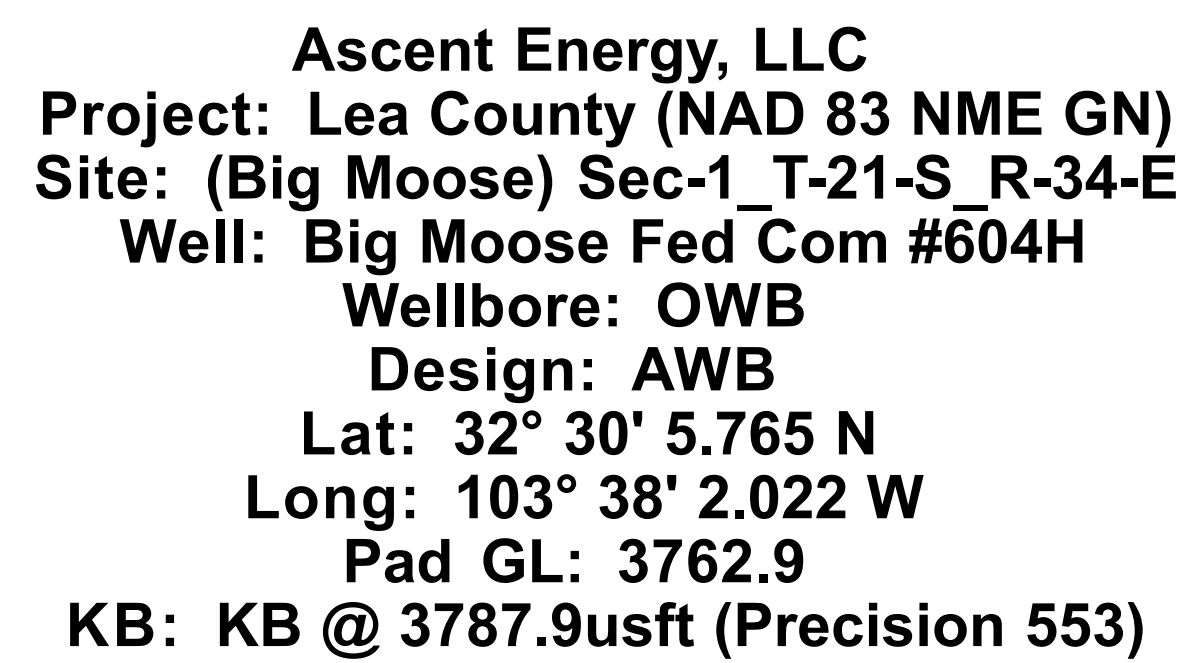
³¹ Date New Oil 11/7/2020	³² Gas Delivery Date 11/7/2020	³³ Test Date 11/20/20	³⁴ Test Length 24 hr	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1190 psi
³⁷ Choke Size 52/64	³⁸ Oil 2045	³⁹ Water 6238	⁴⁰ Gas 2206		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>W Ben Metz</i> electronically signed			OIL CONSERVATION DIVISION		
Printed name: Ben Metz			Approved by: PATRICIA MARTINEZ		
Title: VP Exploration			Title: LM II		
			Approval Date: 3/18/2021		
E-mail Address: bmetz@ascentenergy.us			FILE 3160-4 BLM FORM WITHIN 10 DAY TO NMOCDAFTER BLM APPROVAL.		
Date: 12/10/2020		Phone: 303.513.8590			

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

☐ AMENDED REPORT

REV: 1 11-20-20 C.D. (TYPO CORRECTION)

Released to Imaging: 3/18/2021 11:42:44 AM





Ascent Energy, LLC

**Lea County (NAD 83 NME GN)
(Big Moose) Sec-1_T-21-S_R-34-E
Big Moose Fed Com #604H**

OWB

Design: AWB

Standard Survey Report

04 February, 2020





Intrepid Survey Report



Company:	Ascent Energy, LLC	Local Co-ordinate Reference:	Well Big Moose Fed Com #604H
Project:	Lea County (NAD 83 NME GN)	TVD Reference:	KB @ 3787.9usft (Precision 553)
Site:	(Big Moose) Sec-1_T-21-S_R-34-E	MD Reference:	KB @ 3787.9usft (Precision 553)
Well:	Big Moose Fed Com #604H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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

Site	(Big Moose) Sec-1_T-21-S_R-34-E		
Site Position:		Northing:	546,920.78 usft
From:	Map	Easting:	756,993.67 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 30' 5.765 N
		Longitude:	103° 38' 1.730 W
		Grid Convergence:	0.38 °

Well	Big Moose Fed Com #604H		
Well Position	+N/-S	0.0 usft	Northing: 546,920.57 usft
	+E/-W	0.0 usft	Easting: 756,968.68 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 30' 5.765 N
		Longitude:	103° 38' 2.022 W
		Ground Level:	3,762.9 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	2019/12/31	6.73
			Dip Angle (°) 60.27
			Field Strength (nT) 47,831.68289047

Design	AWB		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°) 179.63

Survey Program	Date	2020/02/04		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
199.0	18,140.0	Intrepid MWD (OWB)	MWD	OWSG MWD - Standard

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
199.0	0.79	290.15	199.0	0.5	-1.3	-0.5	0.40	0.40	0.00
228.0	0.59	310.98	228.0	0.6	-1.6	-0.6	1.10	-0.69	71.83
317.0	0.79	279.95	317.0	1.0	-2.5	-1.1	0.47	0.22	-34.87
406.0	0.79	294.81	406.0	1.4	-3.7	-1.4	0.23	0.00	16.70
493.0	0.31	288.30	493.0	1.7	-4.5	-1.8	0.56	-0.55	-7.48
582.0	0.57	57.77	582.0	2.0	-4.3	-2.1	0.90	0.29	145.47
677.0	0.66	92.48	677.0	2.3	-3.4	-2.3	0.40	0.09	36.54
770.0	0.70	98.55	770.0	2.2	-2.3	-2.2	0.09	0.04	6.53
862.0	0.70	88.44	862.0	2.1	-1.2	-2.1	0.13	0.00	-10.99



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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
954.0	1.05	102.94	953.9	1.9	0.2	-1.9	0.45	0.38	15.76
1,046.0	0.97	108.22	1,045.9	1.5	1.8	-1.5	0.13	-0.09	5.74
1,137.0	1.05	97.40	1,136.9	1.1	3.3	-1.1	0.23	0.09	-11.89
1,228.0	0.88	79.74	1,227.9	1.2	4.9	-1.1	0.37	-0.19	-19.41
1,319.0	0.70	68.93	1,318.9	1.5	6.1	-1.4	0.26	-0.20	-11.88
1,411.0	0.48	52.14	1,410.9	1.9	6.9	-1.9	0.30	-0.24	-18.25
1,504.0	0.22	88.44	1,503.9	2.2	7.4	-2.1	0.35	-0.28	39.03
1,548.1	0.22	67.57	1,548.0	2.2	7.5	-2.2	0.18	-0.01	-47.31
Rustler									
1,556.0	0.22	63.92	1,555.9	2.2	7.6	-2.2	0.18	0.03	-46.30
1,678.0	0.66	95.30	1,677.9	2.3	8.5	-2.2	0.40	0.36	25.72
1,698.1	0.75	93.16	1,698.0	2.2	8.7	-2.2	0.48	0.46	-10.64
Salado									
1,772.0	1.10	88.44	1,771.9	2.2	9.9	-2.2	0.48	0.47	-6.39
1,865.0	1.45	32.89	1,864.9	3.2	11.4	-3.2	1.32	0.38	-59.73
1,957.0	1.49	358.44	1,956.8	5.4	12.0	-5.3	0.95	0.04	-37.45
2,049.0	1.45	323.64	2,048.8	7.5	11.3	-7.5	0.96	-0.04	-37.83
2,144.0	1.23	331.63	2,143.8	9.4	10.1	-9.3	0.30	-0.23	8.41
2,236.0	0.84	318.71	2,235.8	10.8	9.2	-10.7	0.49	-0.42	-14.04
2,329.0	0.75	1.60	2,328.7	11.9	8.8	-11.9	0.63	-0.10	46.12
2,422.0	0.70	346.14	2,421.7	13.1	8.7	-13.0	0.22	-0.05	-16.62
2,515.0	0.88	259.39	2,514.7	13.5	7.8	-13.4	1.18	0.19	-93.28
2,609.0	2.55	232.58	2,608.7	12.1	5.5	-12.0	1.92	1.78	-28.52
2,701.0	3.87	236.27	2,700.5	9.1	1.2	-9.1	1.45	1.43	4.01
2,793.0	4.37	242.16	2,792.3	5.8	-4.4	-5.8	0.71	0.54	6.40
2,885.0	4.44	249.46	2,884.0	2.9	-10.9	-2.9	0.61	0.08	7.93
2,978.0	6.33	257.28	2,976.6	0.5	-19.2	-0.6	2.18	2.03	8.41
2,989.5	6.62	258.25	2,988.0	0.2	-20.5	-0.3	2.71	2.53	8.49
Base Of Salts									
3,072.0	8.75	263.34	3,069.8	-1.5	-31.4	1.3	2.71	2.58	6.16
3,142.0	9.80	264.22	3,138.9	-2.7	-42.6	2.4	1.51	1.50	1.26
3,146.2	9.80	264.33	3,143.0	-2.8	-43.3	2.5	0.45	0.07	2.59
Castille									
3,149.2	9.81	264.41	3,146.0	-2.8	-43.8	2.5	0.45	0.07	2.59
Tansil									
3,255.0	9.89	267.12	3,250.2	-4.2	-61.9	3.8	0.45	0.08	2.56
3,283.2	9.89	266.61	3,278.0	-4.4	-66.7	4.0	0.31	0.00	-1.80
Yates									
3,348.0	9.89	265.45	3,341.8	-5.2	-77.8	4.7	0.31	0.00	-1.80
3,442.0	9.89	267.39	3,434.4	-6.2	-93.9	5.6	0.35	0.00	2.06
3,536.0	10.07	269.06	3,527.0	-6.7	-110.2	6.0	0.36	0.19	1.78
3,537.0	10.07	269.06	3,528.0	-6.7	-110.4	6.0	0.00	0.00	0.00
Capitan Reef									
3,629.0	10.37	269.58	3,618.5	-6.9	-126.7	6.1	0.34	0.33	0.57
3,722.0	10.73	271.52	3,710.0	-6.7	-143.7	5.8	0.54	0.39	2.09



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3,815.0	11.43	269.41	3,801.2	-6.6	-161.6	5.6	0.87	0.75	-2.27
3,908.0	9.27	267.12	3,892.7	-7.1	-178.3	5.9	2.36	-2.32	-2.46
4,000.0	9.36	263.96	3,983.5	-8.2	-193.1	7.0	0.56	0.10	-3.43
4,093.0	9.54	263.08	4,075.2	-10.0	-208.3	8.6	0.25	0.19	-0.95
4,187.0	9.63	262.11	4,167.9	-12.0	-223.8	10.5	0.20	0.10	-1.03
4,280.0	9.76	263.87	4,259.6	-13.9	-239.4	12.3	0.35	0.14	1.89
4,373.0	9.67	262.55	4,351.3	-15.7	-255.0	14.1	0.26	-0.10	-1.42
4,467.0	10.02	262.02	4,443.9	-17.9	-270.9	16.1	0.38	0.37	-0.56
4,561.0	10.33	263.96	4,536.4	-19.9	-287.4	18.1	0.49	0.33	2.06
4,653.0	10.95	264.40	4,626.8	-21.6	-304.3	19.7	0.68	0.67	0.48
4,746.0	9.67	268.18	4,718.3	-22.8	-320.9	20.7	1.56	-1.38	4.06
4,839.0	9.58	266.68	4,810.0	-23.4	-336.4	21.3	0.29	-0.10	-1.61
4,931.0	10.11	266.86	4,900.7	-24.3	-352.1	22.1	0.58	0.58	0.20
5,025.0	10.24	268.09	4,993.2	-25.1	-368.7	22.7	0.27	0.14	1.31
5,118.0	9.01	266.86	5,084.9	-25.7	-384.2	23.3	1.34	-1.32	-1.32
5,211.0	9.14	266.68	5,176.7	-26.6	-398.9	24.0	0.14	0.14	-0.19
5,303.0	9.58	266.77	5,267.5	-27.4	-413.8	24.7	0.48	0.48	0.10
5,395.0	10.20	268.62	5,358.1	-28.0	-429.6	25.3	0.76	0.67	2.01
5,489.0	9.01	270.02	5,450.8	-28.2	-445.3	25.4	1.29	-1.27	1.49
5,572.0	9.05	267.91	5,532.8	-28.5	-458.3	25.5	0.40	0.05	-2.54
5,617.8	9.25	268.93	5,578.0	-28.7	-465.6	25.7	0.55	0.43	2.22
Delaware Sands									
5,695.0	9.58	270.55	5,654.1	-28.7	-478.2	25.6	0.55	0.43	2.10
5,785.0	9.01	271.69	5,743.0	-28.5	-492.7	25.3	0.67	-0.63	1.27
5,875.0	9.14	271.96	5,831.8	-28.0	-506.9	24.7	0.15	0.14	0.30
5,876.2	9.14	271.96	5,833.0	-28.0	-507.1	24.7	0.00	0.00	0.00
Cherry Canyon									
5,964.0	9.23	272.39	5,919.7	-27.5	-521.1	24.1	0.13	0.10	0.49
6,053.0	9.23	273.63	6,007.5	-26.7	-535.4	23.3	0.22	0.00	1.39
6,143.0	9.14	277.05	6,096.4	-25.4	-549.7	21.8	0.61	-0.10	3.80
6,233.0	8.09	285.05	6,185.4	-22.9	-562.9	19.2	1.77	-1.17	8.89
6,322.0	7.25	283.64	6,273.6	-19.9	-574.4	16.2	0.97	-0.94	-1.58
6,412.0	6.07	284.44	6,363.0	-17.4	-584.5	13.6	1.32	-1.31	0.89
6,501.0	4.09	287.86	6,451.6	-15.2	-592.1	11.4	2.25	-2.22	3.84
6,590.0	1.45	287.25	6,540.5	-13.9	-596.2	10.1	2.97	-2.97	-0.69
6,680.0	1.01	174.05	6,630.5	-14.4	-597.2	10.5	2.30	-0.49	-125.78
6,769.0	1.67	159.89	6,719.5	-16.4	-596.7	12.5	0.82	0.74	-15.91
6,858.0	1.71	169.74	6,808.4	-18.9	-596.0	15.1	0.33	0.04	11.07
6,917.6	1.74	165.04	6,868.0	-20.7	-595.6	16.8	0.24	0.05	-7.89
Brushy Canyon									
6,948.0	1.76	162.71	6,898.4	-21.5	-595.3	17.7	0.24	0.07	-7.66
7,037.0	1.80	176.77	6,987.3	-24.2	-594.8	20.4	0.49	0.04	15.80
7,126.0	1.63	172.73	7,076.3	-26.9	-594.6	23.1	0.23	-0.19	-4.54
7,215.0	1.54	178.79	7,165.3	-29.3	-594.4	25.5	0.21	-0.10	6.81



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7,305.0	1.76	184.15	7,255.2	-31.9	-594.5	28.1	0.30	0.24	5.96
7,394.0	1.98	217.46	7,344.2	-34.5	-595.5	30.7	1.23	0.25	37.43
7,484.0	1.98	236.01	7,434.1	-36.6	-597.8	32.8	0.71	0.00	20.61
7,574.0	0.66	310.89	7,524.1	-37.2	-599.4	33.3	2.13	-1.47	83.20
7,663.0	0.92	357.03	7,613.1	-36.1	-599.9	32.2	0.75	0.29	51.84
7,752.0	0.88	350.09	7,702.1	-34.7	-600.0	30.8	0.13	-0.04	-7.80
7,842.0	0.84	327.50	7,792.1	-33.5	-600.5	29.6	0.38	-0.04	-25.10
7,931.0	0.97	340.69	7,881.1	-32.2	-601.1	28.3	0.27	0.15	14.82
8,021.0	0.79	336.20	7,971.1	-30.9	-601.6	27.0	0.21	-0.20	-4.99
8,110.0	0.84	321.79	8,060.1	-29.9	-602.3	26.0	0.24	0.06	-16.19
8,200.0	0.75	328.29	8,150.0	-28.8	-603.0	24.9	0.14	-0.10	7.22
8,289.0	0.70	316.34	8,239.0	-27.9	-603.7	24.0	0.18	-0.06	-13.43
8,379.0	0.79	303.68	8,329.0	-27.2	-604.5	23.3	0.21	0.10	-14.07
8,468.0	0.75	295.16	8,418.0	-26.6	-605.6	22.7	0.14	-0.04	-9.57
8,558.0	0.97	279.43	8,508.0	-26.2	-606.9	22.3	0.36	0.24	-17.48
8,647.0	0.92	265.45	8,597.0	-26.2	-608.3	22.2	0.26	-0.06	-15.71
8,737.0	1.19	250.33	8,687.0	-26.5	-609.9	22.6	0.43	0.30	-16.80
8,808.0	1.19	245.77	8,758.0	-27.1	-611.3	23.1	0.13	0.00	-6.42
Bone Spring Lime									
8,826.0	1.19	244.62	8,776.0	-27.3	-611.6	23.3	0.13	0.01	-6.41
8,893.0	0.92	252.36	8,843.0	-27.7	-612.8	23.8	0.45	-0.40	11.55
Avalon									
8,914.0	0.84	255.78	8,864.0	-27.8	-613.1	23.8	0.45	-0.38	16.32
9,004.0	0.84	267.65	8,953.9	-28.0	-614.4	24.0	0.19	0.00	13.19
9,093.0	2.64	274.94	9,042.9	-27.8	-617.1	23.9	2.03	2.02	8.19
9,143.1	1.92	294.38	9,093.0	-27.4	-619.0	23.4	2.09	-1.43	38.76
Leo B									
9,182.0	1.63	319.06	9,131.8	-26.7	-619.9	22.7	2.09	-0.75	63.52
9,271.0	0.66	3.80	9,220.8	-25.2	-620.7	21.2	1.41	-1.09	50.27
9,361.0	0.48	303.16	9,310.8	-24.5	-621.0	20.5	0.66	-0.20	-67.38
9,450.0	0.79	150.31	9,399.8	-24.8	-621.0	20.8	1.39	0.35	-171.74
9,540.0	1.10	119.03	9,489.8	-25.8	-620.0	21.8	0.66	0.34	-34.76
9,629.0	0.62	102.33	9,578.8	-26.3	-618.8	22.3	0.60	-0.54	-18.76
9,718.0	0.40	126.23	9,667.8	-26.6	-618.0	22.6	0.34	-0.25	26.85
9,795.2	0.78	225.42	9,745.0	-27.1	-618.2	23.1	1.20	0.49	128.47
1 BS S									
9,808.0	0.92	229.50	9,757.8	-27.3	-618.3	23.3	1.20	1.11	31.88
9,897.0	1.05	264.05	9,846.8	-27.8	-619.7	23.8	0.67	0.15	38.82
9,986.0	2.15	337.43	9,935.7	-26.4	-621.1	22.3	2.37	1.24	82.45
10,050.3	1.42	343.09	10,000.0	-24.5	-621.8	20.5	1.17	-1.14	8.80
2BS C									
10,075.0	1.14	347.19	10,024.7	-24.0	-622.0	19.9	1.17	-1.11	16.59
10,164.0	0.09	93.10	10,113.7	-23.1	-622.1	19.1	1.31	-1.18	119.00
10,254.0	0.31	346.93	10,203.7	-22.9	-622.1	18.8	0.38	0.24	-117.97



Intrepid Survey Report



Company:	Ascent Energy, LLC	Local Co-ordinate Reference:	Well Big Moose Fed Com #604H
Project:	Lea County (NAD 83 NME GN)	TVD Reference:	KB @ 3787.9usft (Precision 553)
Site:	(Big Moose) Sec-1_T-21-S_R-34-E	MD Reference:	KB @ 3787.9usft (Precision 553)
Well:	Big Moose Fed Com #604H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,343.0	1.10	274.42	10,292.7	-22.6	-623.0	18.5	1.18	0.89	-81.47
10,346.3	1.06	274.85	10,296.0	-22.6	-623.0	18.5	1.27	-1.24	13.17
2BSS									
10,433.0	0.22	9.87	10,382.7	-22.3	-623.8	18.3	1.27	-0.97	109.59
10,522.0	0.70	61.02	10,471.7	-21.9	-623.3	17.9	0.66	0.54	57.47
10,612.0	0.88	37.64	10,561.7	-21.1	-622.4	17.1	0.41	0.20	-25.98
10,701.0	0.48	80.71	10,650.7	-20.5	-621.6	16.5	0.70	-0.45	48.39
10,790.0	1.10	138.89	10,739.7	-21.1	-620.7	17.1	1.06	0.70	65.37
10,876.4	1.47	138.72	10,826.0	-22.5	-619.4	18.5	0.43	0.43	-0.20
3BS C									
10,880.0	1.49	138.71	10,829.6	-22.6	-619.4	18.6	0.43	0.43	-0.15
10,972.0	1.58	151.02	10,921.6	-24.6	-618.0	20.6	0.37	0.10	13.38
11,006.0	6.51	170.62	10,955.5	-26.9	-617.4	22.9	14.85	14.50	57.65
11,061.0	15.43	173.69	11,009.5	-37.3	-616.1	33.3	16.25	16.22	5.58
11,106.0	20.62	177.91	11,052.2	-51.2	-615.1	47.2	11.89	11.53	9.38
11,151.0	25.14	180.99	11,093.7	-68.6	-615.0	64.7	10.39	10.04	6.84
11,196.0	28.79	181.87	11,133.8	-89.0	-615.5	85.1	8.16	8.11	1.96
11,240.0	31.08	181.25	11,171.9	-111.0	-616.1	107.0	5.25	5.20	-1.41
11,285.0	32.84	178.44	11,210.1	-134.8	-616.1	130.8	5.12	3.91	-6.24
11,330.0	36.84	174.31	11,247.0	-160.4	-614.4	156.5	10.32	8.89	-9.18
11,363.1	39.94	173.71	11,273.0	-180.9	-612.2	176.9	9.42	9.35	-1.80
3 BS S									
11,375.0	41.05	173.52	11,282.0	-188.6	-611.4	184.6	9.42	9.36	-1.64
11,419.0	45.45	175.80	11,314.1	-218.6	-608.6	214.6	10.61	10.00	5.18
11,464.0	49.93	178.62	11,344.3	-251.8	-607.0	247.9	10.98	9.96	6.27
11,508.0	54.02	178.88	11,371.4	-286.4	-606.3	282.5	9.31	9.30	0.59
11,553.0	58.07	177.39	11,396.6	-323.7	-605.0	319.8	9.41	9.00	-3.31
11,598.0	63.30	177.30	11,418.6	-362.9	-603.2	359.0	11.62	11.62	-0.20
11,642.0	67.60	178.79	11,436.9	-402.9	-601.9	399.0	10.25	9.77	3.39
11,684.9	71.13	179.38	11,452.0	-443.0	-601.2	439.1	8.32	8.22	1.38
100' Heel Setback @ 11684.9'MD, 100'FNL & 327.8'FWL									
11,687.0	71.30	179.41	11,452.7	-445.0	-601.2	441.1	8.32	8.22	1.35
11,732.0	75.56	180.99	11,465.5	-488.1	-601.4	484.2	10.05	9.47	3.51
11,776.0	80.92	183.10	11,474.5	-531.2	-602.9	527.3	13.05	12.18	4.80
11,821.0	86.37	181.34	11,479.4	-575.8	-604.6	571.9	12.72	12.11	-3.91
11,897.0	88.40	181.43	11,482.9	-651.7	-606.5	647.8	2.67	2.67	0.12
11,986.0	87.74	180.99	11,485.9	-740.7	-608.3	736.7	0.89	-0.74	-0.49
12,076.0	87.38	180.64	11,489.7	-830.6	-609.6	826.6	0.56	-0.40	-0.39
12,165.0	87.91	179.49	11,493.4	-919.5	-609.7	915.5	1.42	0.60	-1.29
12,254.0	88.57	178.35	11,496.1	-1,008.4	-608.0	1,004.5	1.48	0.74	-1.28
12,343.0	88.09	178.00	11,498.7	-1,097.4	-605.2	1,093.4	0.67	-0.54	-0.39
12,433.0	91.69	176.07	11,498.9	-1,187.2	-600.6	1,183.3	4.54	4.00	-2.14
12,522.0	90.29	177.12	11,497.4	-1,276.0	-595.3	1,272.2	1.97	-1.57	1.18
12,611.0	90.55	176.86	11,496.7	-1,364.9	-590.6	1,361.1	0.41	0.29	-0.29



Intrepid Survey Report



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Project:	Lea County (NAD 83 NME GN)	TVD Reference:	KB @ 3787.9usft (Precision 553)
Site:	(Big Moose) Sec-1_T-21-S_R-34-E	MD Reference:	KB @ 3787.9usft (Precision 553)
Well:	Big Moose Fed Com #604H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,700.0	89.41	178.26	11,496.7	-1,453.8	-586.8	1,450.0	2.03	-1.28	1.57
12,790.0	89.14	178.35	11,497.9	-1,543.8	-584.1	1,540.0	0.32	-0.30	0.10
12,879.0	89.10	178.18	11,499.2	-1,632.7	-581.5	1,628.9	0.20	-0.04	-0.19
12,968.0	89.27	179.85	11,500.5	-1,721.7	-579.9	1,717.9	1.89	0.19	1.88
13,058.0	88.75	179.14	11,502.1	-1,811.7	-579.1	1,807.9	0.98	-0.58	-0.79
13,147.0	88.62	178.70	11,504.1	-1,900.7	-577.5	1,896.9	0.52	-0.15	-0.49
13,237.0	91.08	180.55	11,504.3	-1,990.6	-576.9	1,986.9	3.42	2.73	2.06
13,326.0	89.85	181.16	11,503.6	-2,079.6	-578.2	2,075.8	1.54	-1.38	0.69
13,415.0	89.23	180.37	11,504.3	-2,168.6	-579.4	2,164.8	1.13	-0.70	-0.89
13,505.0	88.70	179.67	11,506.0	-2,258.6	-579.4	2,254.8	0.98	-0.59	-0.78
13,594.0	88.53	179.49	11,508.1	-2,347.6	-578.8	2,343.8	0.28	-0.19	-0.20
13,683.0	88.13	180.64	11,510.7	-2,436.5	-578.9	2,432.7	1.37	-0.45	1.29
13,773.0	88.09	180.73	11,513.7	-2,526.5	-579.9	2,522.7	0.11	-0.04	0.10
13,862.0	89.23	178.88	11,515.8	-2,615.4	-579.6	2,611.6	2.44	1.28	-2.08
13,951.0	89.19	178.35	11,517.0	-2,704.4	-577.5	2,700.6	0.60	-0.04	-0.60
14,041.0	90.29	178.97	11,517.4	-2,794.4	-575.4	2,790.6	1.40	1.22	0.69
14,130.0	90.24	179.06	11,517.0	-2,883.4	-573.8	2,879.6	0.12	-0.06	0.10
14,219.0	89.89	178.62	11,516.9	-2,972.3	-572.0	2,968.6	0.63	-0.39	-0.49
14,309.0	90.24	179.49	11,516.8	-3,062.3	-570.6	3,058.6	1.04	0.39	0.97
14,398.0	90.59	179.41	11,516.1	-3,151.3	-569.7	3,147.6	0.40	0.39	-0.09
14,488.0	90.11	178.53	11,515.6	-3,241.3	-568.1	3,237.6	1.11	-0.53	-0.98
14,577.0	91.08	179.58	11,514.7	-3,330.3	-566.6	3,326.6	1.61	1.09	1.18
14,667.0	89.27	178.79	11,514.4	-3,420.3	-565.3	3,416.6	2.19	-2.01	-0.88
14,756.0	89.05	178.44	11,515.7	-3,509.2	-563.2	3,505.5	0.46	-0.25	-0.39
14,845.0	90.42	180.81	11,516.1	-3,598.2	-562.6	3,594.5	3.08	1.54	2.66
14,934.0	90.55	181.34	11,515.4	-3,687.2	-564.3	3,683.5	0.61	0.15	0.60
15,024.0	89.32	180.20	11,515.5	-3,777.2	-565.5	3,773.5	1.86	-1.37	-1.27
15,113.0	88.79	179.67	11,516.9	-3,866.2	-565.4	3,862.5	0.84	-0.60	-0.60
15,202.0	89.54	180.55	11,518.2	-3,955.2	-565.6	3,951.4	1.30	0.84	0.99
15,291.0	90.07	180.20	11,518.5	-4,044.2	-566.1	4,040.4	0.71	0.60	-0.39
15,381.0	89.67	180.02	11,518.7	-4,134.2	-566.3	4,130.4	0.49	-0.44	-0.20
15,470.0	89.71	179.49	11,519.2	-4,223.2	-565.9	4,219.4	0.60	0.04	-0.60
15,559.0	89.85	179.41	11,519.5	-4,312.2	-565.1	4,308.4	0.18	0.16	-0.09
15,648.0	89.98	179.58	11,519.7	-4,401.2	-564.3	4,397.4	0.24	0.15	0.19
15,737.0	89.85	179.49	11,519.8	-4,490.2	-563.6	4,486.4	0.18	-0.15	-0.10
15,827.0	89.05	178.35	11,520.7	-4,580.1	-561.9	4,576.4	1.55	-0.89	-1.27
15,916.0	89.85	178.53	11,521.5	-4,669.1	-559.5	4,665.4	0.92	0.90	0.20
16,005.0	89.58	179.06	11,522.0	-4,758.1	-557.6	4,754.4	0.67	-0.30	0.60
16,095.0	89.41	178.70	11,522.8	-4,848.1	-555.8	4,844.4	0.44	-0.19	-0.40
16,184.0	89.63	181.34	11,523.5	-4,937.0	-555.9	4,933.4	2.98	0.25	2.97
16,274.0	88.88	180.55	11,524.7	-5,027.0	-557.3	5,023.3	1.21	-0.83	-0.88
16,363.0	88.48	180.64	11,526.7	-5,116.0	-558.3	5,112.3	0.46	-0.45	0.10
16,453.0	89.41	180.90	11,528.4	-5,206.0	-559.5	5,202.2	1.07	1.03	0.29



Intrepid Survey Report



Company:	Ascent Energy, LLC	Local Co-ordinate Reference:	Well Big Moose Fed Com #604H
Project:	Lea County (NAD 83 NME GN)	TVD Reference:	KB @ 3787.9usft (Precision 553)
Site:	(Big Moose) Sec-1_T-21-S_R-34-E	MD Reference:	KB @ 3787.9usft (Precision 553)
Well:	Big Moose Fed Com #604H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
16,542.0	89.98	180.73	11,528.9	-5,295.0	-560.7	5,291.2	0.67	0.64	-0.19	
16,631.0	89.67	180.64	11,529.1	-5,384.0	-561.8	5,380.2	0.36	-0.35	-0.10	
16,721.0	89.01	179.93	11,530.2	-5,473.9	-562.2	5,470.2	1.08	-0.73	-0.79	
16,810.0	88.04	179.23	11,532.5	-5,562.9	-561.6	5,559.2	1.34	-1.09	-0.79	
16,899.0	89.80	180.20	11,534.1	-5,651.9	-561.2	5,648.1	2.26	1.98	1.09	
16,989.0	89.85	180.55	11,534.4	-5,741.9	-561.7	5,738.1	0.39	0.06	0.39	
17,078.0	89.32	180.02	11,535.1	-5,830.9	-562.2	5,827.1	0.84	-0.60	-0.60	
17,168.0	88.97	179.67	11,536.4	-5,920.9	-561.9	5,917.1	0.55	-0.39	-0.39	
17,257.0	88.57	179.06	11,538.3	-6,009.8	-561.0	6,006.1	0.82	-0.45	-0.69	
17,346.0	89.76	179.49	11,539.6	-6,098.8	-559.8	6,095.1	1.42	1.34	0.48	
17,436.0	90.95	179.93	11,539.1	-6,188.8	-559.4	6,185.1	1.41	1.32	0.49	
17,525.0	90.55	179.41	11,537.9	-6,277.8	-558.9	6,274.1	0.74	-0.45	-0.58	
17,615.0	89.98	178.97	11,537.5	-6,367.8	-557.6	6,364.1	0.80	-0.63	-0.49	
17,704.0	88.75	178.18	11,538.5	-6,456.8	-555.4	6,453.0	1.64	-1.38	-0.89	
17,793.0	88.44	177.74	11,540.6	-6,545.7	-552.2	6,542.0	0.60	-0.35	-0.49	
17,883.0	89.36	178.44	11,542.4	-6,635.6	-549.2	6,631.9	1.28	1.02	0.78	
17,972.0	89.93	178.70	11,542.9	-6,724.6	-547.0	6,720.9	0.70	0.64	0.29	
18,073.0	89.71	178.26	11,543.2	-6,825.5	-544.3	6,821.9	0.49	-0.22	-0.44	
LAST SVY										
18,091.5	89.71	178.26	11,543.3	-6,844.0	-543.7	6,840.4	0.00	0.00	0.00	
100' Toe Setback @ 18091.5'MD, 1220'FNL & 372.9'FWL										
18,140.0	89.71	178.26	11,543.6	-6,892.5	-542.3	6,888.9	0.00	0.00	0.00	
Projection to TD @ 18140'MD, 1269.4'FNL & 374.3'FWL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FTP (Big Moose Fed Com #604H)	0.00	0.00	11,508.5	-443.0	-597.0	546,477.60	756,371.65	32° 30' 1.421 N	103° 38' 9.027 W	
- actual wellpath misses target center by 53.9usft at 11700.9usft MD (11457.0 TVD, -458.3 N, -601.1 E)										
- Point										
PBHL (Big Moose Fed Com #604H)	0.00	179.63	11,558.5	-6,893.9	-555.9	540,026.66	756,412.76	32° 28' 57.586 N	103° 38' 9.039 W	
- actual wellpath misses target center by 20.3usft at 18140.0usft MD (11543.6 TVD, -6892.5 N, -542.3 E)										
- Rectangle (sides W30.0 H6,451.0 D0.0)										
LTP (Big Moose Fed Com #604H)	0.00	0.01	11,558.5	-6,843.9	-556.2	540,076.66	756,412.46	32° 28' 58.081 N	103° 38' 9.039 W	
- actual wellpath misses target center by 19.6usft at 18091.1usft MD (11543.3 TVD, -6843.6 N, -543.8 E)										
- Point										



Intrepid Survey Report



Company:	Ascent Energy, LLC	Local Co-ordinate Reference:	Well Big Moose Fed Com #604H
Project:	Lea County (NAD 83 NME GN)	TVD Reference:	KB @ 3787.9usft (Precision 553)
Site:	(Big Moose) Sec-1_T-21-S_R-34-E	MD Reference:	KB @ 3787.9usft (Precision 553)
Well:	Big Moose Fed Com #604H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,548.1	1,548.0	Rustler			
1,698.1	1,698.0	Salado			
2,989.5	2,988.0	Base Of Salts			
3,146.2	3,143.0	Castille			
3,149.2	3,146.0	Tansil			
3,283.2	3,278.0	Yates			
3,537.0	3,528.0	Capitan Reef			
5,617.8	5,578.0	Delaware Sands			
5,876.2	5,833.0	Cherry Canyon			
6,917.6	6,868.0	Brushy Canyon			
8,808.0	8,758.0	Bone Spring Lime			
8,893.0	8,843.0	Avalon			
9,143.1	9,093.0	Leo B			
9,795.2	9,745.0	1 BS S			
10,050.3	10,000.0	2BS C			
10,346.3	10,296.0	2BSS			
10,876.4	10,826.0	3BS C			
11,363.1	11,273.0	3 BS S			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,684.9	11,452.0	-443.0	-601.2	100' Heel Setback @ 11684.9'MD, 100'FNL & 327.8'FWL
18,073.0	11,543.2	-6,825.5	-544.3	LAST SVY
18,091.5	11,543.3	-6,844.0	-543.7	100' Toe Setback @ 18091.5'MD, 1220'FNL & 372.9'FWL
18,140.0	11,543.6	-6,892.5	-542.3	Projection to TD @ 18140'MD, 1269.4'FNL & 374.3'FWL

Checked By: _____ Approved By: _____ Date: _____



Operator: Ascent Energy, LLC
Well Name: Big Moose Fed Com #604H
County: Lea
State: New Mexico
Rig Name: Precision 553
API: 30-025-46548

Intrepid Directional Drilling Specialists certifies that the surveys performed on the above referenced well are true and correct MWD surveys, data provided as follows:

Surveyor: Intrepid Directional Drilling Specialists
Survey Depths: 199' MD – 18073' MD
Projection to Bit: 18140' MD
Dates Performed: 12/28/2019 – 01/07/2020 & 01/13/2020 – 02/04/2020
Type of Survey: MWD

Sincerely,

A handwritten signature in blue ink, appearing to read "James Burleson".

James Burleson
Vice President of MWD Operations
Intrepid Directional Drilling Specialists



Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM92187

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
BIG MOOSE FED COM 604H9. API Well No.
30-025-46548-00-X110. Field and Pool or Exploratory Area
SALT LAKE11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ASCENT ENERGY LLC

Contact: BEN METZ

E-Mail: bmetz@ascentenergy.us

3a. Address

1125 17TH ST SUITE 410
DENVER, CO 80202

3b. Phone No. (include area code)

Ph: 720-710-8944

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 1 T21S R32E SWSW 308FSL 835FWL
32.501518 N Lat, 103.634201 W Lon

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Hydraulic Fracture	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Big Moose Fed Com 604H Completion Data
Geologic Formation MD Contents

Rustler 1552 Anhy
Salado 1900 Salt
Castile 2965 Anhy
Tansil 3090 LMS/SS
Capitan Reef 3545 LMS: Water
Delaware 5646 SS, SH, LMS: Water & Hydrocarbons
Bone Spring Lime 8828 SS, LMS, SH: Hydrocarbons
1st Bone Spring Sand 9715 SS, SH, LMS: Hydrocarbons
2nd Bone Spring Carbonate 10069 SS, SH, LMS: Hydrocarbons

KZ

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #538241 verified by the BLM Well Information System
For ASCENT ENERGY LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 11/30/2020 (21PP0622SE)

Name (Printed/Typed) BEN METZ

Title VP OF EXPLORATION

Signature (Electronic Submission)

Date 11/20/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JONATHON SHEPARD Title PETROELUM ENGINEER	Date 12/30/2020
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office Hobbs		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #538241 that would not fit on the form

32. Additional remarks, continued

2nd Bone Spring Sand 10323 SS, SH, LMS: Hydrocarbons
3rd Bone Spring Carbonate 10872 SS, SH, LMS: Hydrocarbons
3rd Bone Spring Sand 11355 SS, SH, LMS: Hydrocarbons

2/11/2020 RIG RELEASED
9/3/2020 PRESSURE TEST 5-1/2" CASING TO 9,200 PSI
10/8/2020 MIRU PREP TO FRAC
10/10/2020 BEGIN FRAC OPS.
10/29/2020 FINISH 43 STAGE FRAC PERFORATED HORIZONTAL BONE SPRING FROM 11,690' MD TO 18,077' MD AND
FRACTURE STIMULATE WELL WITH 14,770,757 LBS OF SAND AND 349,053 BBLS OF WATER AND 25,296 GALLONS
7.5% HCL ACID.
10/30/2020 DRILL OUT PLUGS AND CLEAN OUT WELLBORE
11/1/2020 OPENED WELL TO FLOWBACK

REQUEST FOR OCD EXTENSION OF TIME TO FILE BLM-APPROVED FORM 3160-4

Revisions to Operator-Submitted EC Data for Sundry Notice #538241

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	HF SR	HF SR
Lease:	NMNM092187	NMNM92187
Agreement:		
Operator:	ASCENT ENERGY, LLC PO BOX 270983 LITTLETON, CO 80127 Ph: 303-513-8590	ASCENT ENERGY LLC 1125 17TH ST SUITE 410 DENVER, CO 80202 Ph: 720.524.3449
Admin Contact:	BEN METZ VICE PRESIDENT EXPLORATION E-Mail: bmetz@ascentenergy.us Ph: 303-513-8590	BEN METZ VP OF EXPLORATION E-Mail: bmetz@ascentenergy.us Ph: 720-710-8944
Tech Contact:	BEN METZ VICE PRESIDENT EXPLORATION E-Mail: bmetz@ascentenergy.us Ph: 303-513-8590	BEN METZ VP OF EXPLORATION E-Mail: bmetz@ascentenergy.us Ph: 720-710-8944
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	BONE SPRING 53560	SALT LAKE
Well/Facility:	BIG MOOSE FED COM 604H Sec 1 T21S R32E Mer NMP SWSW 338FSL 930FWL 32.501601 N Lat, 103.633896 W Lon	BIG MOOSE FED COM 604H Sec 1 T21S R32E SWSW 308FSL 835FWL 32.501518 N Lat, 103.634201 W Lon

99Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017					
						1. WELL API NO. 30-025-46548					
						2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN					
						3. State Oil & Gas Lease No.					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG											
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)						5. Lease Name or Unit Agreement Name Big Moose Fed Com					
						6. Well Number: 604H					
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER											
8. Name of Operator Ascent Energy, LLC						9. OGRID 325830					
10. Address of Operator P.O. Box 270983 Littleton, CO 80127						11. Pool name or Wildcat 53560 Salt Lake; Bone Spring KZ					
12.Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County	
Surface:	M	1	21 S	32 E		338'	South	930'	West	Lea	
BH:	D	13	21 S	32 E		1269'	South	344'	West	Lea	
13. Date Spudded 12/28/2019		14. Date T.D. Reached 2/1/2020		15. Date Rig Released 2/11/2020		16. Date Completed (Ready to Produce) 10/29/2020		17. Elevations (DF and RKB, RT, GR, etc.) 3763' GR			
18. Total Measured Depth of Well 18140'			19. Plug Back Measured Depth 18132'			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Quad Combo			
22. Producing Interval(s), of this completion - Top, Bottom, Name 11690'-18077' Bone Spring											
23. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
13-3/8"		54.5#		1601'		17.5"		1300 sx			
9-5/8"		40#		3200'		12.25"		1135 sx			
7-5/8"		29.7#		5622'		8.75"		1025 sx			
5-1/2"		20#		18132'		6.75"		995 sx			
24. LINER RECORD						25. TUBING RECORD					
SIZE	TOP		BOTTOM		SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET
26. Perforation record (interval, size, and number) 11690'-18077'						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
						11690'-18077'		349,053 bbls water 25,296 gallons 7.5% HCL acid 14,770,757 lbs proppant			
								*See Frac Focus			
28. PRODUCTION											
Date First Production 11/8/2020			Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 11/7/2020	Hours Tested 24 hr	Choke Size 52/64	Prod'n For Test Period	Oil - Bbl 2045	Gas - MCF 2206	Water - Bbl. 6238	Gas - Oil Ratio 1079				
Flow Tubing Press.	Casing Pressure 1190 psi	Calculated 24- Hour Rate	Oil - Bbl. 2045	Gas - MCF 2206	Water - Bbl. 6238	Oil Gravity - API - (Corr.)					
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold								30. Test Witnessed By M. Booth			
31. List Attachments As-Drilled C102, Certified Final Directional Survey, C104, Quad Combo Log											
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date: 2/11/2020			
34. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude Longitude NAD83											
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Printed Signature <i>W Ben Metz</i> electronically signed Name: Ben Metz Title: VP Exploration Date: 12/10/2020 E-mail Address: bmetz@ascentenergy.us											

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy_____	T. Canyon_____	T. Ojo Alamo_____	T. Penn A"_____
T. Salt_____1900’	T. Strawn_____	T. Kirtland _____	T. Penn. "B"_____
B. Salt_____2822’	T. Atoka_____	T. Fruitland_____	T. Penn. "C"_____
T. Yates_____3221’	T. Miss_____	T. Pictured Cliffs_____	T. Penn. "D"_____
T. 7 Rivers_____	T. Devonian_____	T. Cliff House_____	T. Leadville_____
T. Queen_____	T. Silurian_____	T. Menefee_____	T. Madison_____
T. Grayburg_____	T. Montoya_____	T. Point Lookout_____	T. Elbert_____
T. San Andres_____	T. Simpson_____	T. Mancos_____	T. McCracken_____
T. Glorieta_____	T. McKee_____	T. Gallup_____	T. Ignacio Otzte_____
T. Paddock_____	T. Ellenburger_____	Base Greenhorn_____	T.Granite _____
T. Blinebry_____	T. Gr. Wash_____	T. Dakota_____	
T.Tubb_____	T. Delaware Sand____5646’	T. Morrison_____	
T. Drinkard_____	T. Bone Spring____8828’	T.Todilto_____	
T. Abo_____	T.Rustler_____1552’_	T. Entrada_____	
T. Wolfcamp_____’	T._1 st Bone Spring____9715’	T. Wingate_____	
T. Penn_____	T._2 nd Bone Spring____10069’	T. Chinle_____	
T. Cisco (Bough C)_____	T._3 rd Bone Spring____10872’	T. Permian_____	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

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

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

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

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

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

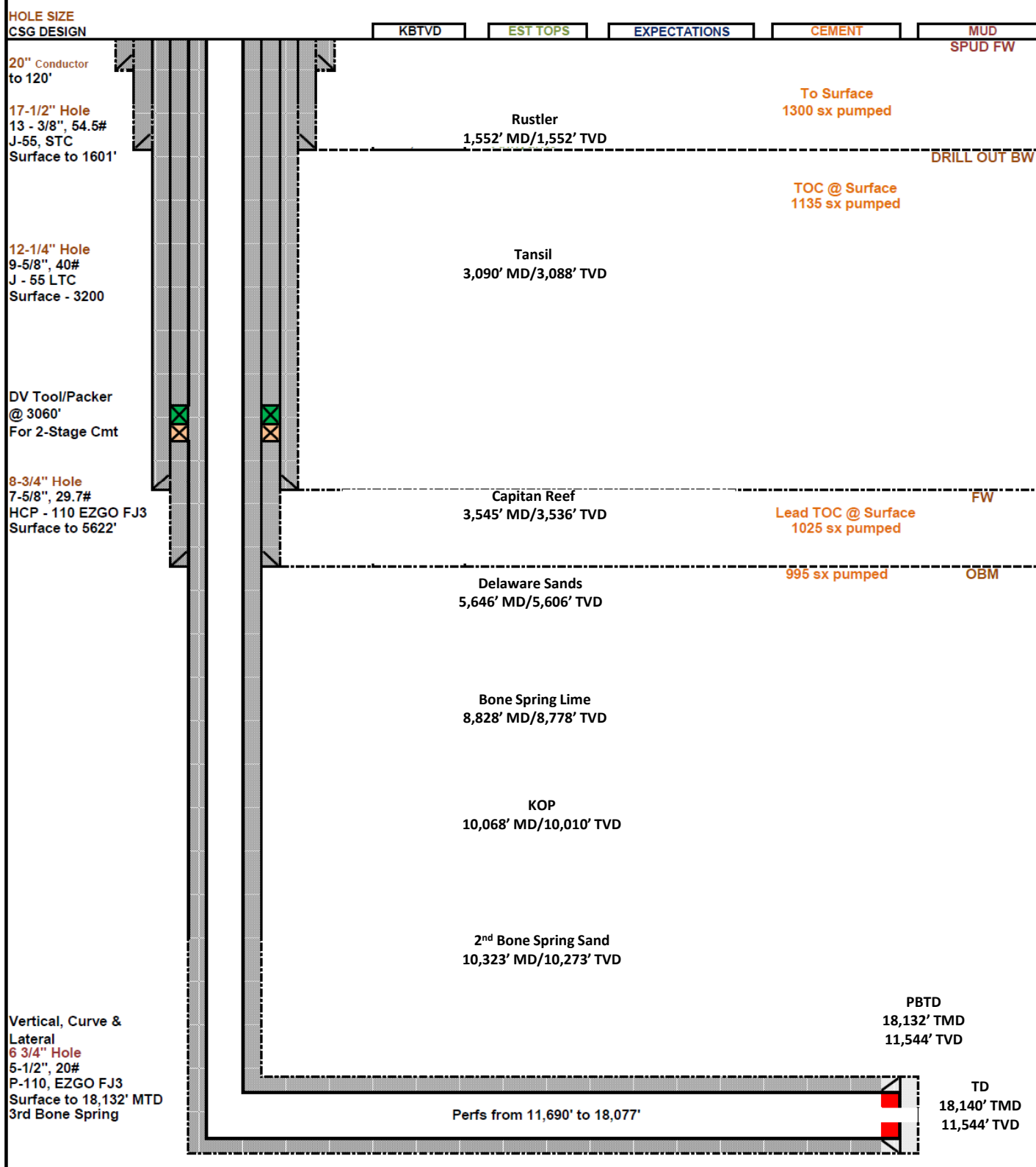


WELL NAME:	Big Moose Fed Com
WELL NO.:	604H
FIELD:	Hat Mesa
SH LOCATION:	
BH LOCATION:	
LEGAL:	Sec 1 - T21S - R32E

RIG:	Precision 553
COUNTY:	Lea
SPUD DATE:	12/28/2019
DRAWN BY:	Gema Volek
DATE:	2/11/2021
PLAN #:	5

API #:	30-025-46548
PERMIT #:	NA
STATE:	New Mexico
Ground Elevation:	3763'
Floor Height:	25
Total KB:	25

Big Moose Fed Com 604H As Drilled WBD



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 20585

CONDITIONS OF APPROVAL

Operator: ASCENT ENERGY, LLC. 1125 17th St Suite 410 Denver, CO80202	OGRID: 325830	Action Number: 20585	Action Type: C-104C
OCD Reviewer plmartinez	Condition None		