

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 & Natural Resources

Form C-104
Revised August 1, 2011

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 Enduring Resources IV LLC. 200 Energy Court Farmington NM 87401		² OGRID Number 372286	
		³ Reason for Filing Code/ Effective Date RT	
⁴ API Number 30-045-38267	⁵ Pool Name LYBROOK MANCOS W		⁶ Pool Code 98157
⁷ Property Code 321259	⁸ Property Name W LYBROOK UNIT		⁹ Well Number #729H

II. ¹⁰ Surface Location

UL or lot no. M	Section 23	Township 23N	Range 9W	Lot Idn	Feet from the 508'	North/South Line South	Feet from the 576'	East/West line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no. M	Section 15	Township 23N	Range 9W	Lot Idn	Feet from the 290'	North/South line South	Feet from the 148'	East/West line West	County San Juan
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 4/25/2022		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
248440	WESTERN REFINING COMPANY, LLC	O
373888	HARVEST FOUR CORNERS. LLC	G

IV. Well Completion Data

²¹ Spud Date 12/27/2021	²² Ready Date 5/4/2022	²³ TD 12316' MD 4318' TVD	²⁴ PBDT 12187.6' MD 4317' TVD	²⁵ Perforations ~ 4580'-12183' MD ~ 4236'-4317' TVD	²⁶ DHC, MC R-14051	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
17-1/2"		13-3/8",54.5#, J-55		360' MD		350 sx - surface
12-1/4"		9-5/8",36#, J-55		2645' MD		642 sx- surface
8-1/2"		5-1/2",17#, P-110		12305.5' MD		1846 sx- surface

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method

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>Kayla White</i>		OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i>	
Printed name: Kayla White		Title: <i>PETROLEUM SPECIALIST</i>	
Title: Associate Consultant, Environmental Engineer		Approval Date: <i>4/27/2022</i>	
E-mail Address: Kayla.N.White@wsp.com		<i>RT EXPIRES 7/27/2022</i>	
Date: 3/24/2022	Phone: 720-768-3575		



ENDURING RESOURCES IV LLC

March 22, 2022

Re: W LYBROOK UNIT 729H- 30-045-38267

Pursuant to NMOCD rule 19.15.7.16(C) request is herein made to keep all data and accompanying attachments contained in form C-105 confidential.

Sincerely,

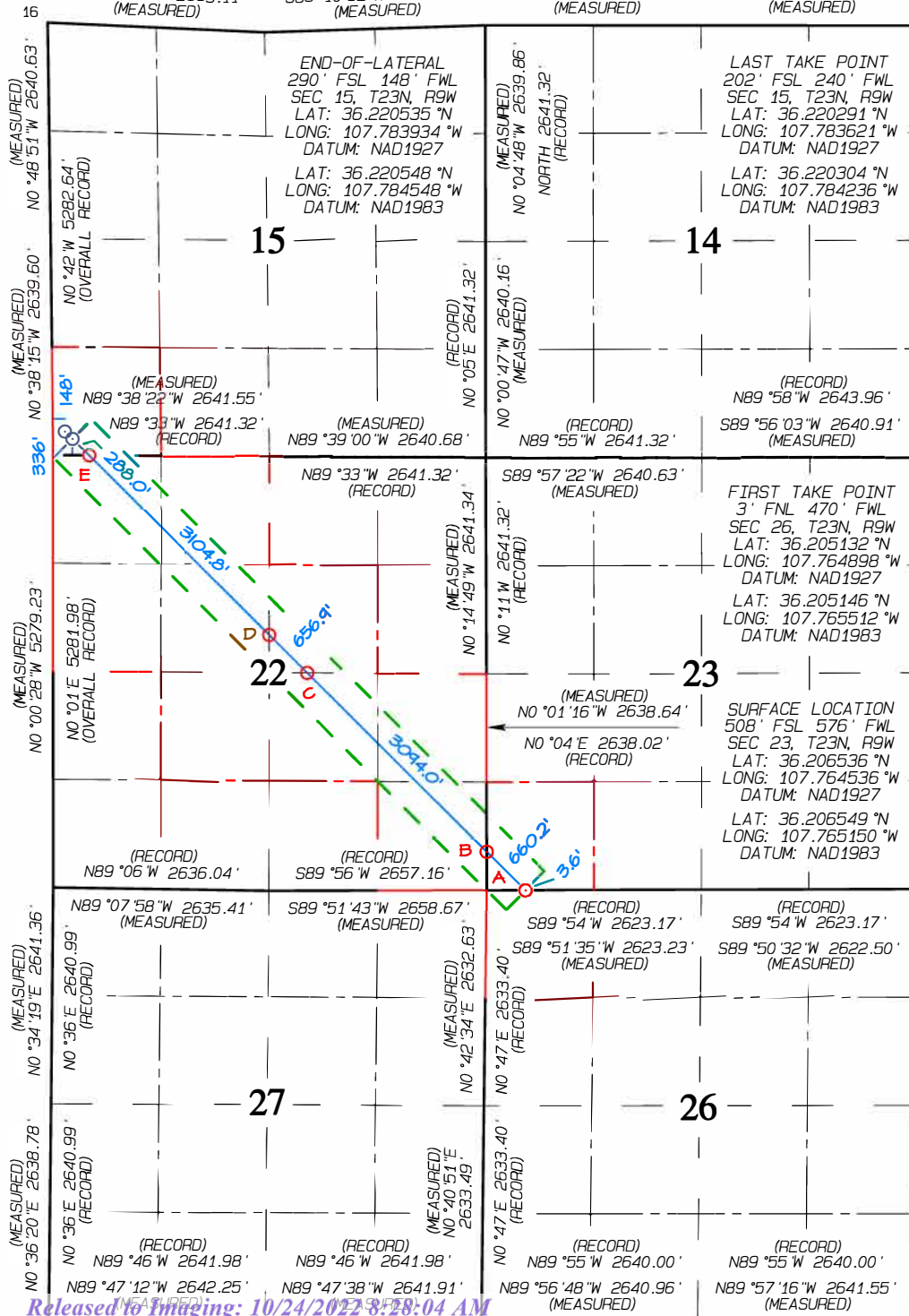
Heather Huntington
Permitting Technician
Enduring Resources, LLC.
hhuntington@enduringresources.com

☐ AMENDED REPORT[illegible]

OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505

(RECORD) 5"W 2653.20' 56"W 2653.11' (MEASURED)	(RECORD) S88°12'W 2694.78' S88°10'52"W 2695.61' (MEASURED)	(RECORD) N89°56'W 2634.06' N89°57'44"W 2633.97' (MEASURED)	(RECORD) N89°56'W 2634.06' N89°57'42"W 2633.98' (MEASURED)	12 Dedicated Acres 480.00	SW/4 SW/4 - Section 15 NW/4, SW/4 NE/4 NE/4 SW/4, N/2 SE/4 SE/4 SE/4 - Section 22 SW/4 SW/4 - Section 23 NW/4 NW/4 - Section 26
END-OF-LATERAL 290' FSL 148' FWL SEC 15, T23N, R9W LAT: 36.220535°N LONG: 107.783934°W DATUM: NAD1927	(MEASURED) 0.4 48 W 2639.86' NORTH 2641.32' (RECORD)		LAST TAKE POINT 202' FSL 240' FWL SEC 15, T23N, R9W LAT: 36.220291°N LONG: 107.783621°W DATUM: NAD1927	(MEASURED) 0.08 13 W 2620.53' 0.4 W 2618.88' (REC)	13 Joint or Infill 14 Consolidation Code
LAT: 36.220548°N LONG: 107.784548°W			LAT: 36.220304°N LONG: 107.784236°W		15 Order No. R-14084

JASON C. EDWARDS
Certificate Number 15269



(A) 0' FSL 467' FWL
SEC 23, T23N, R9W
LAT: 36.205139 °N
LONG: 107.764907 °W
DATUM: NAD1927

LAT: 36.205153 °N
LONG: 107.765521 °W
DATUM: NAD1983

(B) 467' FSL 0' FWL
SEC 23, T23N, R9W
LAT: 36.206421 °N
LONG: 107.766490 °W
DATUM: NAD1927

LAT: 36.206435 °N
LONG: 107.767104 °W
DATUM: NAD1983

(C) 2640' FNL 2189' FEL
SEC 22, T23N, R9W
LAT: 36.212429 °N
LONG: 107.773909 °W
DATUM: NAD1927

LAT: 36.212442 °N
LONG: 107.774523 °W
DATUM: NAD1983

(D) 2179' FNL 2639' FWL
SEC 22, T23N, R9W
LAT: 36.213704 °N
LONG: 107.775484 °W
DATUM: NAD1927

LAT: 36.213717 °N
LONG: 107.776098 °W
DATUM: NAD1983

(E) 0' FNL 441' FWL
SEC 22, T23N, R9W
LAT: 36.219732 °N
LONG: 107.782931 °W
DATUM: NAD1927

LAT: 36.219745 °N
LONG: 107.783545 °W
DATUM: NAD1983

Enduring Resources LLC

San Juan C New Mexico NAD83 NM W

W Lybrook 728 729 760 & 761)

W Lybrook Unit No. 729H

Original Hole

Surveys Original Hole

01-Mar-2022 (11963)

MD	Inc	Azimuth	TVD	N/S	E/W	VS	DLS	Y	X
0	0	0	0	0	0	0	0	0	1894488 2743207
431	2.5	160.9	430.86	-8.88	3.08	-8.46	0.58	1894480	2743210
493	2.59	162.74	492.8	-11.5	3.93	-10.91	0.2	1894477	2743211
584	2.46	159.23	583.71	-15.29	5.24	-14.51	0.22	1894473	2743212
675	2.37	168.11	674.63	-18.96	6.32	-17.87	0.42	1894470	2743213
766	2.07	165.47	765.56	-22.39	7.12	-20.86	0.35	1894466	2743214
857	1.8	172.5	856.51	-25.4	7.72	-23.41	0.39	1894463	2743214
948	1.54	171.88	947.47	-28.02	8.08	-25.53	0.29	1894460	2743215
1039	1.23	185.51	1038.45	-30.21	8.15	-27.13	0.49	1894458	2743215
1129	2.59	170.92	1128.4	-33.18	8.38	-29.39	1.59	1894455	2743215
1224	5.23	161.69	1223.17	-39.41	10.08	-34.99	2.85	1894449	2743217
1318	7.38	162.39	1316.59	-49.23	13.25	-44.18	2.29	1894439	2743220
1412	8.96	162.13	1409.64	-61.95	17.33	-56.06	1.68	1894427	2743224
1506	10.77	163.1	1502.24	-77.32	22.13	-70.32	1.93	1894411	2743229
1600	13.23	163.27	1594.18	-96.03	27.78	-87.55	2.62	1894392	2743234
1693	15.78	165.29	1684.21	-118.46	34.05	-107.84	2.79	1894370	2743241
1787	17.09	165.56	1774.37	-144.2	40.74	-130.77	1.4	1894344	2743247
1882	17.14	166.17	1865.16	-171.31	47.57	-154.77	0.2	1894317	2743254
1976	16.88	166.44	1955.05	-198.02	54.08	-178.27	0.29	1894290	2743261
2070	16.66	166.17	2045.05	-224.37	60.5	-201.44	0.25	1894264	2743267
2165	15.91	165.38	2136.24	-250.2	67.04	-224.32	0.82	1894238	2743274
2259	15.69	165.91	2226.69	-274.99	73.39	-246.34	0.28	1894213	2743280
2354	16.88	165.91	2317.87	-300.83	79.88	-269.2	1.25	1894188	2743287
2448	16.61	167.14	2407.89	-327.17	86.19	-292.28	0.47	1894161	2743293
2542	15.78	165.29	2498.16	-352.63	92.42	-314.7	1.04	1894136	2743299
2589	15.56	166.26	2543.41	-364.93	95.54	-325.61	0.73	1894124	2743302
2625	15.19	166.42	2578.12	-374.21	97.8	-333.76	1.03	1894114	2743305
2701	14.41	166.79	2651.6	-393.09	102.3	-350.29	1.03	1894095	2743309
2795	15.16	164.59	2742.49	-416.33	108.24	-370.92	1	1894072	2743315
2889	17.01	162.39	2832.81	-441.28	115.66	-393.82	2.07	1894047	2743322
3005	18.59	159.05	2943.25	-474.73	127.41	-425.77	1.62	1894014	2743334
3099	17.93	158.35	3032.52	-502.17	138.1	-452.74	0.74	1893986	2743345
3194	16.96	160.28	3123.15	-528.81	148.17	-478.7	1.19	1893960	2743355
3288	18.41	162.22	3212.7	-555.85	157.33	-504.29	1.66	1893933	2743364
3383	15.29	161.6	3303.61	-582.02	165.87	-528.84	3.29	1893906	2743373
3477	17.49	163.18	3393.79	-607.31	173.87	-552.38	2.39	1893881	2743381
3508	17.14	162.66	3423.38	-616.13	176.58	-560.53	1.23	1893872	2743383
3540	16.74	161.51	3454	-625	179.45	-568.83	1.63	1893863	2743386
3571	16.26	163.45	3483.72	-633.39	182.1	-576.64	2.36	1893855	2743389

3603	14.19	174.43	3514.6	-641.59	183.76	-583.61	11.07	1893847	2743390
3634	12.66	188.85	3544.76	-648.74	183.6	-588.55	11.83	1893840	2743390
3666	11.73	205.55	3576.05	-655.14	181.66	-591.7	11.36	1893833	2743388
3698	12.7	223.21	3607.34	-660.64	177.85	-592.9	12.01	1893828	2743385
3729	14.33	236.75	3637.48	-665.23	172.3	-592.22	11.45	1893823	2743379
3761	16.04	247.91	3668.37	-669.06	164.89	-589.69	10.56	1893819	2743372
3792	17.71	260.3	3698.05	-671.47	156.27	-585.3	12.76	1893817	2743363
3824	19.07	270.32	3728.42	-672.26	146.25	-578.77	10.74	1893816	2743353
3855	19.73	278.15	3757.66	-671.49	136	-570.98	8.65	1893817	2743343
3887	19.91	288.6	3787.78	-668.98	125.49	-561.77	11.07	1893820	2743332
3919	20.92	295.46	3817.77	-664.79	115.16	-551.51	8.11	1893824	2743322
3950	22.76	298.36	3846.55	-659.56	104.89	-540.55	6.88	1893829	2743312
3981	24.35	299.85	3874.96	-653.53	94.07	-528.63	5.48	1893835	2743301
4013	26.1	300.73	3903.91	-646.65	82.29	-515.44	5.59	1893842	2743289
4044	28.39	301.17	3931.47	-639.35	70.12	-501.67	7.42	1893849	2743277
4076	31.42	301.88	3959.21	-631.01	56.53	-486.16	9.53	1893857	2743263
4107	34.67	302.93	3985.19	-621.94	42.26	-469.66	10.64	1893867	2743249
4139	37.75	303.63	4011	-611.57	26.46	-451.16	9.71	1893877	2743233
4170	41.53	304.42	4034.87	-600.5	10.08	-431.74	12.3	1893888	2743217
4202	44.96	305.3	4058.18	-587.97	-7.9	-410.16	10.88	1893901	2743199
4233	48.52	306.36	4079.42	-574.75	-26.2	-387.88	11.75	1893914	2743181
4265	52.29	307.41	4099.81	-559.95	-45.92	-363.47	12.05	1893929	2743161
4296	55.77	308.38	4118.02	-544.53	-65.71	-338.58	11.51	1893944	2743141
4328	59.33	309.7	4135.19	-527.52	-86.67	-311.73	11.66	1893961	2743120
4357.71	60.84	310.37	4150	-510.96	-106.39	-286.07	5.46	1893978	2743100
4359	60.91	310.4	4150.63	-510.23	-107.25	-284.95	5.46	1893978	2743099
4391	60.64	310.23	4166.25	-492.16	-128.54	-257.12	0.96	1893996	2743078
4422	60.86	310.31	4181.4	-474.68	-149.18	-230.16	0.74	1894014	2743058
4454	64.12	311.19	4196.18	-456.15	-170.68	-201.86	10.48	1894032	2743036
4486	67.81	312.6	4209.21	-436.64	-192.42	-172.68	12.21	1894052	2743014
4517	71.41	314	4220.01	-416.71	-213.56	-143.65	12.36	1894072	2742993
4549	75.5	315.5	4229.12	-395.11	-235.34	-112.98	13.55	1894093	2742971
4580	79.8	315.85	4235.75	-373.46	-256.49	-82.7	13.91	1894115	2742950
4612	82.62	316.38	4240.64	-350.66	-278.41	-51.09	8.96	1894138	2742928
4644	85.21	316.29	4244.03	-327.65	-300.38	-19.28	8.1	1894161	2742906
4675	87.19	316.29	4246.09	-305.29	-321.75	11.64	6.39	1894183	2742885
4707	87.54	316.38	4247.56	-282.17	-343.82	43.6	1.13	1894206	2742863
4802	87.89	316.03	4251.34	-213.65	-409.52	138.5	0.52	1894275	2742797
4896	88.24	315.59	4254.52	-146.29	-475	232.44	0.6	1894342	2742732
4991	88.51	314.44	4257.21	-79.12	-542.13	327.4	1.24	1894409	2742665
5085	88.9	313.39	4259.34	-13.94	-609.83	421.36	1.19	1894475	2742597
5179	87.98	316.99	4261.9	52.71	-676.04	515.3	3.95	1894541	2742531
5273	88.11	316.2	4265.1	120.96	-740.59	609.21	0.85	1894609	2742466
5367	88.63	316.29	4267.78	188.83	-805.58	703.15	0.56	1894677	2742401
5462	88.64	315.5	4270.04	257.03	-871.67	798.11	0.83	1894746	2742335
5556	89.69	315.59	4271.41	324.12	-937.5	892.1	1.12	1894813	2742269
5651	90.18	314.27	4271.52	391.21	-1004.75	987.09	1.48	1894880	2742202

5745	88.33	315.85	4272.74	457.73	-1071.14	1081.08	2.59	1894946	2742136
5839	89.08	315.67	4274.86	525.06	-1136.71	1175.05	0.82	1895014	2742070
5934	89.38	314.53	4276.14	592.34	-1203.76	1270.04	1.24	1895081	2742003
6029	90.44	314.44	4276.29	658.91	-1271.53	1365.03	1.12	1895147	2741935
6122	90.66	313.92	4275.4	723.72	-1338.22	1458.02	0.61	1895212	2741868
6217	91.27	313.65	4273.8	789.45	-1406.8	1552.98	0.7	1895278	2741800
6312	91.97	313.57	4271.11	854.95	-1475.56	1647.91	0.74	1895343	2741731
6406	89.82	312.86	4269.64	919.3	-1544.05	1741.85	2.41	1895408	2741663
6501	89.87	311.1	4269.9	982.84	-1614.67	1836.72	1.85	1895471	2741592
6596	88.24	314.18	4271.47	1047.17	-1684.53	1931.61	3.67	1895536	2741522
6690	88.64	314	4274.03	1112.55	-1752.02	2025.56	0.47	1895601	2741455
6785	89.56	314.18	4275.52	1178.64	-1820.25	2120.54	0.99	1895667	2741386
6880	90.35	313.39	4275.59	1244.38	-1888.83	2215.51	1.18	1895733	2741318
6974	91.27	313.39	4274.27	1308.95	-1957.13	2309.46	0.98	1895797	2741250
7068	89.3	315.06	4273.8	1374.5	-2024.48	2403.45	2.75	1895863	2741182
7162	90	316.03	4274.37	1441.6	-2090.32	2497.44	1.27	1895930	2741116
7257	90.31	315.85	4274.11	1509.87	-2156.38	2592.43	0.38	1895998	2741050
7351	90.92	314.53	4273.11	1576.55	-2222.62	2686.42	1.55	1896065	2740984
7445	91.41	314.09	4271.19	1642.2	-2289.87	2780.39	0.7	1896131	2740917
7539	89.78	315.5	4270.22	1708.42	-2356.57	2874.38	2.29	1896197	2740850
7634	90.57	315.76	4269.93	1776.33	-2423	2969.37	0.88	1896265	2740784
7728	90.7	314.36	4268.89	1842.86	-2489.39	3063.36	1.5	1896331	2740717
7823	91.76	314.53	4266.85	1909.36	-2557.2	3158.34	1.13	1896398	2740650
7917	89.25	314	4266.02	1974.97	-2624.51	3252.32	2.73	1896463	2740582
8011	89.82	313.57	4266.78	2040.01	-2692.36	3346.29	0.76	1896528	2740514
8105	90.88	313.04	4266.21	2104.48	-2760.77	3440.25	1.26	1896593	2740446
8199	88.02	313.92	4267.11	2169.15	-2828.96	3534.2	3.18	1896658	2740378
8294	88.2	313.65	4270.24	2234.85	-2897.51	3629.13	0.34	1896723	2740309
8388	88.86	312.51	4272.65	2299.03	-2966.15	3723.04	1.4	1896788	2740241
8483	89.38	315.76	4274.11	2365.17	-3034.31	3818.01	3.46	1896854	2740172
8577	90	315.32	4274.62	2432.26	-3100.15	3912	0.81	1896921	2740107
8672	91.19	315.24	4273.64	2499.75	-3166.99	4006.99	1.26	1896988	2740040
8767	90.18	316.2	4272.5	2567.76	-3233.31	4101.98	1.47	1897056	2739973
8862	91.1	315.67	4271.44	2636.02	-3299.37	4196.96	1.12	1897124	2739907
8956	88.77	316.91	4271.55	2703.96	-3364.32	4290.92	2.81	1897192	2739842
9050	89.03	316.03	4273.35	2772.1	-3429.05	4384.87	0.98	1897261	2739778
9145	90.26	315.59	4273.94	2840.21	-3495.27	4479.86	1.38	1897329	2739711
9239	88.37	317.61	4275.06	2908.5	-3559.84	4573.81	2.94	1897397	2739647
9334	89.3	317.96	4276.99	2978.84	-3623.66	4668.67	1.05	1897467	2739583
9428	90.92	318.31	4276.81	3048.85	-3686.39	4762.53	1.76	1897537	2739520
9522	89.17	316.11	4276.74	3117.82	-3750.24	4856.45	2.99	1897606	2739456
9617	89.91	314.8	4277.5	3185.52	-3816.87	4951.44	1.58	1897674	2739390
9712	91.41	314.97	4276.41	3252.56	-3884.18	5046.43	1.59	1897741	2739323
9806	88.46	314.97	4276.52	3318.98	-3950.67	5140.42	3.14	1897807	2739256
9901	88.24	314.18	4279.25	3385.63	-4018.32	5235.38	0.86	1897874	2739188
9995	89.52	312.77	4281.09	3450.29	-4086.51	5329.32	2.03	1897939	2739120
10089	87.76	314.62	4283.32	3515.2	-4154.45	5423.27	2.72	1898004	2739052

10183	88.24	313.92	4286.6	3580.78	-4221.72	5517.2	0.9	1898069	2738985
10278	88.33	316.29	4289.44	3648.04	-4288.74	5612.15	2.5	1898137	2738918
10372	89.74	316.29	4291.03	3715.98	-4353.68	5706.11	1.5	1898204	2738853
10467	89.96	315.15	4291.28	3783.99	-4420.01	5801.1	1.22	1898272	2738787
10561	88.73	312.86	4292.35	3849.28	-4487.61	5895.07	2.77	1898338	2738719
10655	89.08	314.88	4294.15	3914.41	-4555.36	5989.03	2.18	1898403	2738651
10749	89.47	314.18	4295.34	3980.33	-4622.36	6083.02	0.85	1898469	2738584
10843	90.26	312.33	4295.56	4044.74	-4690.82	6176.97	2.14	1898533	2738516
10937	88.73	314.71	4296.39	4109.46	-4758.97	6270.93	3.01	1898598	2738448
11031	90.97	317.08	4296.63	4176.95	-4824.39	6364.9	3.47	1898665	2738382
11125	88.55	316.64	4297.03	4245.53	-4888.66	6458.85	2.62	1898734	2738318
11220	88.99	315.94	4299.06	4314.18	-4954.29	6553.8	0.87	1898803	2738252
11314	90.18	316.47	4299.75	4382.03	-5019.34	6647.77	1.39	1898871	2738187
11408	88.02	316.55	4301.22	4450.22	-5084.02	6741.72	2.3	1898939	2738123
11503	88.77	315.59	4303.88	4518.61	-5149.9	6836.67	1.28	1899007	2738057
11597	90.4	315.5	4304.56	4585.7	-5215.73	6930.66	1.74	1899074	2737991
11692	88.55	315.76	4305.43	4653.6	-5282.16	7025.64	1.97	1899142	2737925
11786	89.03	315.5	4307.42	4720.78	-5347.88	7119.62	0.58	1899209	2737859
11880	89.87	314.97	4308.32	4787.52	-5414.07	7213.61	1.06	1899276	2737793
11975	87.5	314.8	4310.5	4854.54	-5481.36	7308.58	2.5	1899343	2737725
12069	87.71	314.36	4314.43	4920.46	-5548.25	7402.49	0.52	1899409	2737658
12163	89.12	314.62	4317.03	4986.3	-5615.28	7496.45	1.53	1899475	2737591
12188	89.36	314.35	4317.36	5003.82	-5633.11	7521.45	1.42	1899492	2737574
12198	89.45	314.25	4317.47	5010.81	-5640.27	7531.45	1.42	1899499	2737566
12246	89.91	313.74	4317.73	5044.15	-5674.8	7579.44	1.42	1899533	2737532
12316	89.91	313.74	4317.84	5092.54	-5725.37	7649.42	0	1899581	2737481

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to RKB=6747+28 = 6775.00

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from 0.00 E/-W 0.00 N/-S and calculated along an Azimuth of 315.000° (Grid).

Coordinate New Mexico Western ZoneS

Central meridian is -107.833°.

Grid Convergence at Surface is 0.040°.

Geomagnetic model is IGRF2020 Date for magnetic data is 1/14/2022

Declination is 8.75 Dip 62.72 field strength is 49234.22

Based upon at a Measured Depth of 12316.00ft.

the Bottom in the Direction of 315.000° (Grid).

Latitude	Longitude	SS TVD	Comment
36.20655	-107.765	-6775	
36.20652	-107.765	-6344.14	MWD surveys
36.20652	-107.765	-6282.2	
36.20651	-107.765	-6191.29	
36.2065	-107.765	-6100.37	
36.20649	-107.765	-6009.44	
36.20648	-107.765	-5918.49	
36.20647	-107.765	-5827.53	
36.20647	-107.765	-5736.55	
36.20646	-107.765	-5646.6	
36.20644	-107.765	-5551.83	
36.20641	-107.765	-5458.41	
36.20638	-107.765	-5365.36	
36.20634	-107.765	-5272.76	
36.20629	-107.765	-5180.82	
36.20622	-107.765	-5090.79	
36.20615	-107.765	-5000.63	
36.20608	-107.765	-4909.84	
36.206	-107.765	-4819.95	
36.20593	-107.765	-4729.95	
36.20586	-107.765	-4638.76	
36.20579	-107.765	-4548.31	
36.20572	-107.765	-4457.13	
36.20565	-107.765	-4367.11	
36.20558	-107.765	-4276.84	
36.20555	-107.765	-4231.59	
36.20552	-107.765	-4196.88	9 5/8" Casing @ 2625 MD 2578.12 TVD
36.20547	-107.765	-4123.4	
36.20541	-107.765	-4032.51	
36.20534	-107.765	-3942.19	
36.20524	-107.765	-3831.75	
36.20517	-107.765	-3742.48	
36.2051	-107.765	-3651.85	
36.20502	-107.765	-3562.3	
36.20495	-107.765	-3471.39	
36.20488	-107.765	-3381.21	
36.20486	-107.765	-3351.62	
36.20483	-107.765	-3321	
36.20481	-107.765	-3291.28	

36.20479	-107.765	-3260.4
36.20477	-107.765	-3230.24
36.20475	-107.765	-3198.95
36.20473	-107.765	-3167.66
36.20472	-107.765	-3137.52
36.20471	-107.765	-3106.63
36.2047	-107.765	-3076.95
36.2047	-107.765	-3046.58
36.2047	-107.765	-3017.34
36.20471	-107.765	-2987.22
36.20472	-107.765	-2957.23
36.20474	-107.765	-2928.45
36.20475	-107.765	-2900.04
36.20477	-107.765	-2871.09
36.20479	-107.765	-2843.53
36.20482	-107.765	-2815.79
36.20484	-107.765	-2789.81
36.20487	-107.765	-2764
36.2049	-107.765	-2740.13
36.20493	-107.765	-2716.82
36.20497	-107.765	-2695.58
36.20501	-107.765	-2675.19
36.20505	-107.765	-2656.98
36.2051	-107.765	-2639.81
36.20515	-107.766	-2625 FTP Cms top @ 4357.71 MD
36.20515	-107.766	-2624.37
36.2052	-107.766	-2608.75
36.20525	-107.766	-2593.6
36.2053	-107.766	-2578.82
36.20535	-107.766	-2565.79
36.2054	-107.766	-2554.99
36.20546	-107.766	-2545.88
36.20552	-107.766	-2539.25
36.20559	-107.766	-2534.36
36.20565	-107.766	-2530.97
36.20571	-107.766	-2528.91
36.20577	-107.766	-2527.44
36.20596	-107.767	-2523.66
36.20615	-107.767	-2520.48
36.20633	-107.767	-2517.79
36.20651	-107.767	-2515.66
36.2067	-107.767	-2513.1
36.20688	-107.768	-2509.9
36.20707	-107.768	-2507.22
36.20726	-107.768	-2504.96
36.20744	-107.768	-2503.59
36.20763	-107.769	-2503.48

36.20781	-107.769	-2502.26
36.20799	-107.769	-2500.14
36.20818	-107.769	-2498.86
36.20836	-107.769	-2498.71
36.20854	-107.77	-2499.6
36.20872	-107.77	-2501.2
36.2089	-107.77	-2503.89
36.20908	-107.77	-2505.36
36.20925	-107.771	-2505.1
36.20943	-107.771	-2503.53
36.20961	-107.771	-2500.97
36.20979	-107.771	-2499.48
36.20997	-107.772	-2499.41
36.21015	-107.772	-2500.73
36.21033	-107.772	-2501.2
36.21051	-107.772	-2500.63
36.2107	-107.772	-2500.89
36.21088	-107.773	-2501.89
36.21106	-107.773	-2503.81
36.21125	-107.773	-2504.78
36.21143	-107.773	-2505.07
36.21162	-107.774	-2506.11
36.2118	-107.774	-2508.15
36.21198	-107.774	-2508.98
36.21216	-107.774	-2508.22
36.21234	-107.775	-2508.79
36.21251	-107.775	-2507.89
36.21269	-107.775	-2504.76
36.21287	-107.775	-2502.35
36.21305	-107.775	-2500.89
36.21324	-107.776	-2500.38
36.21342	-107.776	-2501.36
36.21361	-107.776	-2502.5
36.2138	-107.776	-2503.56
36.21398	-107.777	-2503.45
36.21417	-107.777	-2501.65
36.21436	-107.777	-2501.06
36.21455	-107.777	-2499.94
36.21474	-107.777	-2498.01
36.21493	-107.778	-2498.19
36.21512	-107.778	-2498.26
36.21531	-107.778	-2497.5
36.21549	-107.778	-2498.59
36.21567	-107.779	-2498.48
36.21586	-107.779	-2495.75
36.21603	-107.779	-2493.91
36.21621	-107.779	-2491.68

36.21639	-107.779	-2488.4	
36.21658	-107.78	-2485.56	
36.21676	-107.78	-2483.97	
36.21695	-107.78	-2483.72	
36.21713	-107.78	-2482.65	
36.21731	-107.781	-2480.85	
36.21749	-107.781	-2479.66	
36.21767	-107.781	-2479.44	
36.21785	-107.781	-2478.61	
36.21803	-107.781	-2478.37	
36.21822	-107.782	-2477.97	
36.21841	-107.782	-2475.94	
36.2186	-107.782	-2475.25	
36.21878	-107.782	-2473.78	
36.21897	-107.783	-2471.12	
36.21916	-107.783	-2470.44	
36.21934	-107.783	-2469.57	
36.21953	-107.783	-2467.58	
36.21971	-107.783	-2466.68	
36.21989	-107.784	-2464.5	
36.22008	-107.784	-2460.57	
36.22026	-107.784	-2457.97	
36.2203	-107.784	-2457.64	LTP @ 12188 MD 4317.36 TVD
36.22032	-107.784	-2457.53	330 perp @ 12198 MD 4317.47 TVD
36.22042	-107.784	-2457.27	Survey @ 12246.00 MD 4317.73 TVD
36.22055	-107.785	-2457.16	Survey Proj. to 12316.00 MD 4317.84 TVD

WELL NAME: W LYBROOK UNIT 729H

OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-Cms formation

API Number: 30-045-38267

AFE Number: DV03018

ER Well Number: NM06444.01

State: New Mexico

County: San Juan

Surface Elev.: 6,748 ft ASL (GL) 6,776 ft ASL (KB)
Surface Location: 23-23N-09W Sec-Twn- Rng 508 ft FSL 576 ft FWL
BH Location: 15-23N-09W Sec-Twn- Rng 198 ft FSL 236 ft FWL

Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

South on US Hwy 550 for 38.3 miles to MM 113.4, Right (Southwest) on CR #7890 for 0.8 miles to fork, Left (South) remaining on CR #7890 for 1.3 miles to 4-way intersection, Left (Southeast) remaining on CR #7890 for 0.6 miles to fork, Right (Southwest) on CR #7890 for 0.5 miles to fork, Right (West) exiting CR #7890 for 0.6 miles to fork, Left (West) for 0.7 miles to fork; Right (Northwest) for 0.2 miles onto W Lybrook Unit 726H Pad.

QUICK REFERENCE		
Sur TD (MD)	350	ft
Int TD (MD)	2,621	ft
KOP (MD)	3,617	ft
KOP (TVD)	3,525	ft
Target (TVD)	4,259	ft
Curve BUR	10 °	/100 ft
POE (MD)	4,714	ft
TD (MD)	12,203	ft
Lat Len (ft)	7,489	ft

WELL CONSTRUCTION SUMMARY:

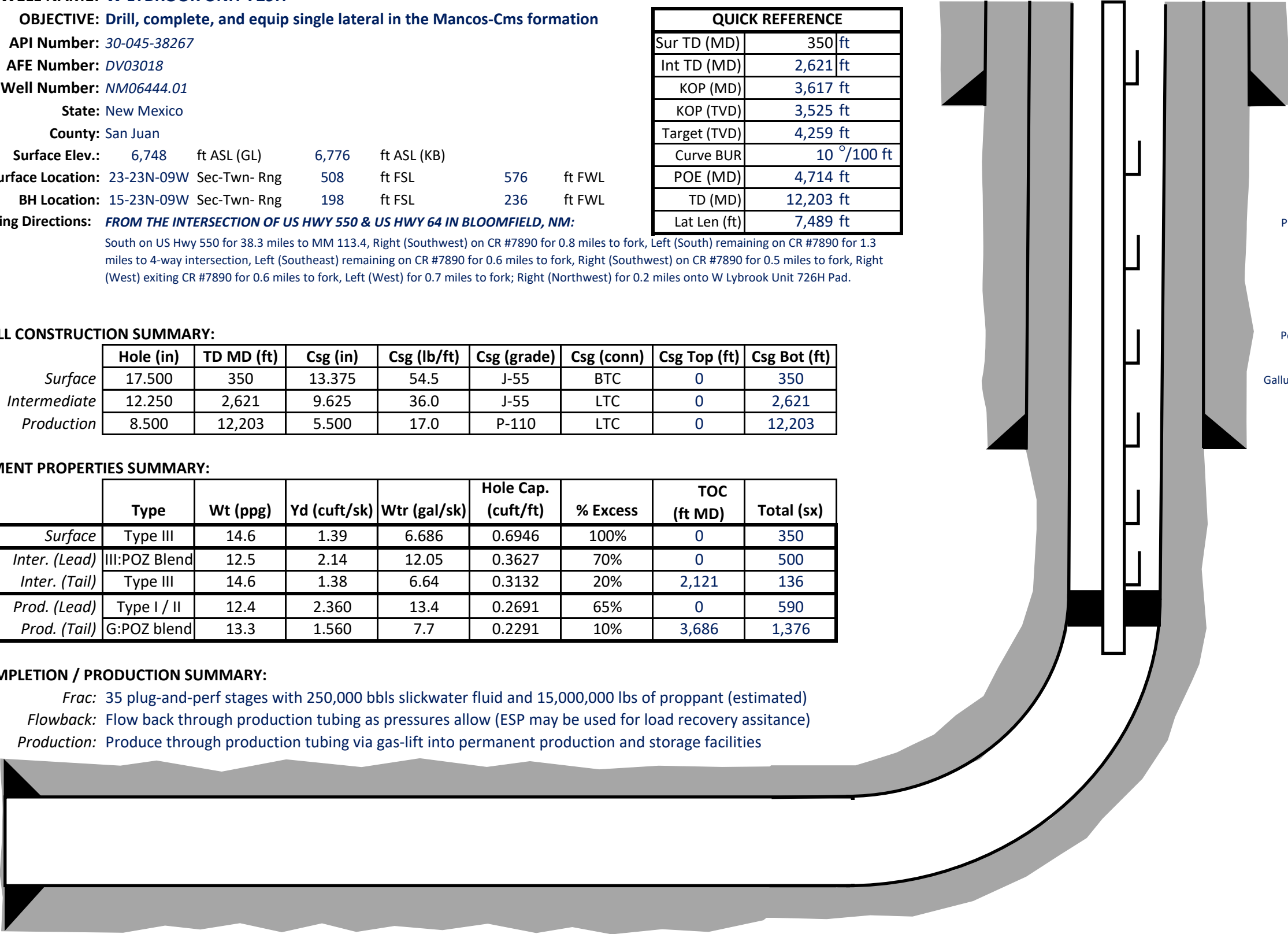
	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	13.375	54.5	J-55	BTC	0	350
Intermediate	12.250	2,621	9.625	36.0	J-55	LTC	0	2,621
Production	8.500	12,203	5.500	17.0	P-110	LTC	0	12,203

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	Type III	14.6	1.39	6.686	0.6946	100%	0	350
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.3627	70%	0	500
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,121	136
Prod. (Lead)	Type I / II	12.4	2.360	13.4	0.2691	65%	0	590
Prod. (Tail)	G:POZ blend	13.3	1.560	7.7	0.2291	10%	3,686	1,376

COMPLETION / PRODUCTION SUMMARY:

Frac: 35 plug-and-perf stages with 250,000 bbls slickwater fluid and 15,000,000 lbs of proppant (estimated)
Flowback: Flow back through production tubing as pressures allow (ESP may be used for load recovery assitance)
Production: Produce through production tubing via gas-lift into permanent production and storage facilities



Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	335	335
Kirtland	440	440
Fruitland	645	645
Pictured Cliffs	1,035	1,035
Lewis	1,155	1,155
Chacra	1,415	1,418
Cliff House	2,453	2,450
Menefee	2,468	2,515
Point Lookout	3,442	3,530
Mancos	3,591	3,686
Gallup (MNCS_A)	3,922	4,030
MNCS_B	4,027	4,158
MNCS_C	4,116	4,289
MNCS_Cms	4,155	4,362
FTP TARGET	4,259	4,714
LTP TARGET	4,305	12,203

This document will be submitted with the completion package after the well has been completed.

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

ACKNOWLEDGMENTS

Action 101011

ACKNOWLEDGMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 101011
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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

CONDITIONS

Action 101011

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 101011
	Action Type: [C-104] Tight Hole Completion Packet (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 7/27/2022	10/24/2022