

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 Cimarex Energy Company of Colorado 600 N Marienfeld St, Suite 600 Midland, TX 79701		² OGRID Number 162683
		³ Reason for Filing Code/ Effective Date NW - 07/21/22
⁴ API Number 30 - 025-49110	⁵ Pool Name WC-025 G-09 S243336I;UPPER WOLFCAMP	⁶ Pool Code 98092
⁷ Property Code 300545	⁸ Property Name RED HILLS UNIT	⁹ Well Number 101H

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
B	33	25S	33E		455	North	2770	East	Lea

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
O	4	26S	33E		101	South	2465	East	Lea
¹² Lse Code Fed	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 7/21/22	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
320009	Enlink Midstream Operating LP	Gas
267255	Energy Transfer Partners, LP	Oil

IV. Well Completion Data

²¹ Spud Date 12/18/2021	²² Ready Date 7/21/22	²³ TD 22,039	²⁴ PBTD 22025	²⁵ Perforations 12321 - 21995	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
14-3/4		10-3/4	1025		800
9-7/8		7-5/8	12470		1887
6-3/4		5-1/2 5	11599 22029		1538
		**REQUESTING	TBG EXCEPTION AT THIS POINT		

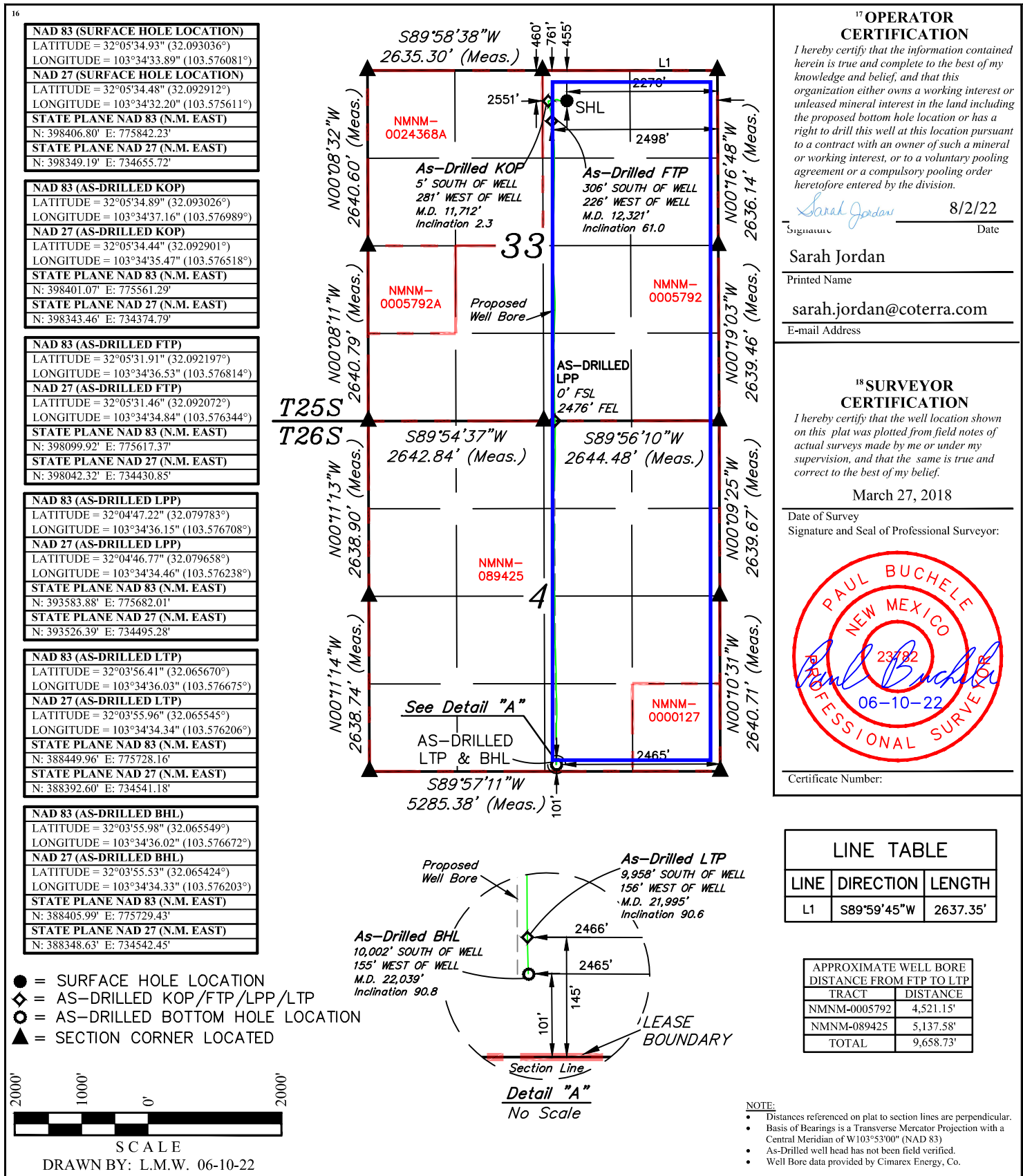
V. Well Test Data

³¹ Date New Oil 7/21/22	³² Gas Delivery Date 7/21/22	³³ Test Date 7/30/22	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 3960
³⁷ Choke Size	³⁸ Oil 1256	³⁹ Water 6835	⁴⁰ Gas 2730		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: Sarah Jordan			OIL CONSERVATION DIVISION		
Printed name: Sarah Jordan			Approved by:		
Title: Regulatory Analyst			Title:		
E-mail Address: sarah.jordan@coterra.com			Approval Date:		
Date: 8/10/22		Phone: 432/620-1909			

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

☐ AMENDED REPORT

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.





Cimarex Red Hills Unit #101H Corrected MWD Surveys to 22039ft MD Survey

Geodetic Report

(Def Survey)



Report Date: June 13, 2022 - 11:45 AM
Client: Coterra
Field: NM Lea County (NAD 83)
Structure / Slot: Cimarex Red Hills Unit #101H / New Slot
Well: Red Hills Unit #101H
Borehole: Red Hills Unit #101H
UWI / AP#: Unknown / Unknown

Survey Name: Cimarex Red Hills Unit #101H Corrected MWD Surveys to 22039ft MD

Survey Date: January 27, 2022
Tort / AHD / DDI / ERD Ratio: 327.291 ° / 10369.109 ft / 6.784 / 0.843
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 5' 34.93090", W 103° 34' 33.89291"
Location Grid N/E Y/X: N 398406.800 NUS, E 775842.230 RUS
CRS Grid Convergence Angle: 0.4023 °
Grid Scale Factor: 0.99997208
Version / Patch: 2.10.829.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.529 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB=22ft (Unit 411)
TVD Reference Elevation: 3375.500 ft above MSL
Seabed / Ground Elevation: 3353.500 ft above MSL
Magnetic Declination: 6.337 °

Total Gravity Field Strength: 998.4365mgm (9.80665 Based)

Gravity Model: GARM
Total Magnetic Field Strength: 47485.591 nT
Magnetic Dip Angle: 59.674 °
Declination Date: January 27, 2022
Magnetic Declination Model: HDGM 2021
North Reference: Grid North
Grid Convergence Used: 0.4023 °
Total Corr Mag North->Grid North: 5.9344 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S °)	Longitude (E/W °)	Closure (ft)	Closure Azimuth (°)
SHL [455' FNL, 2270' FEL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	398406.80	775842.23	N 32.093036	W 103.576081	0.00	0.00
	164.00	0.93	257.14	163.99	0.29	-0.30	-1.30	0.57	398406.50	775840.93	N 32.093036	W 103.576086	1.33	257.14
	216.00	1.00	248.58	215.99	0.54	-0.56	-2.13	0.31	398406.24	775840.10	N 32.093035	W 103.576088	2.20	255.38
	405.00	1.05	253.35	404.96	1.61	-1.65	-5.33	0.05	398405.15	775836.90	N 32.093032	W 103.576099	5.58	252.74
	496.00	1.17	251.69	495.94	2.13	-2.19	-7.01	0.14	398404.61	775835.22	N 32.093030	W 103.576104	7.34	252.68
	587.00	1.32	253.92	586.92	2.69	-2.77	-9.90	0.17	398404.03	775833.33	N 32.093029	W 103.576110	9.32	252.72
	677.00	1.48	255.84	676.89	3.25	-3.34	-11.02	0.19	398403.46	775831.21	N 32.093027	W 103.576117	11.51	253.14
	768.00	1.56	261.83	767.86	3.69	-3.80	-13.38	0.20	398403.00	775828.85	N 32.093026	W 103.576125	13.91	254.14
	859.00	1.70	258.81	858.82	4.11	-4.24	-15.93	0.18	398402.56	775826.30	N 32.093025	W 103.576133	16.49	255.10
	969.00	1.64	261.57	968.77	4.63	-4.79	-19.09	0.09	398402.01	775823.14	N 32.093024	W 103.576143	19.68	255.92
	1039.00	1.70	252.17	1038.74	5.08	-5.25	-21.07	0.40	398401.55	775821.16	N 32.093022	W 103.576150	21.72	256.00
	1134.00	1.70	246.90	1133.70	6.04	-6.24	-23.71	0.16	398400.56	775818.52	N 32.093020	W 103.576158	24.52	255.26
	1229.00	1.73	247.69	1228.66	7.12	-7.33	-26.33	0.04	398399.47	775815.90	N 32.093017	W 103.576167	27.33	254.44
	1323.00	1.69	255.79	1322.62	7.97	-8.21	-28.99	0.26	398398.59	775813.24	N 32.093014	W 103.576175	30.13	254.18
	1417.00	1.81	249.87	1416.58	8.78	-9.04	-31.66	0.19	398397.76	775810.57	N 32.093012	W 103.576184	32.93	254.06
	1512.00	1.69	251.44	1511.53	9.73	-10.01	-34.43	0.10	398396.79	775807.80	N 32.093010	W 103.576193	35.86	253.79
	1606.00	1.93	254.86	1605.48	10.59	-10.90	-37.37	0.17	398395.90	775804.86	N 32.093007	W 103.576202	38.93	253.74
	1701.00	1.97	257.53	1700.43	11.34	-11.67	-40.51	0.10	398395.13	775801.72	N 32.093005	W 103.576212	42.15	253.93
	1795.00	2.15	261.81	1794.37	11.91	-12.27	-43.83	0.25	398394.53	775798.40	N 32.093003	W 103.576223	45.51	254.36
	1890.00	2.12	258.22	1889.30	12.49	-12.88	-47.31	0.14	398393.92	775794.92	N 32.093002	W 103.576234	49.04	254.77
	1984.00	2.31	258.65	1983.23	13.19	-13.61	-50.87	0.20	398393.19	775791.36	N 32.093000	W 103.576246	52.66	255.02
	2079.00	2.22	262.97	2078.16	13.76	-14.21	-54.58	0.20	398392.59	775787.66	N 32.092998	W 103.576258	56.40	255.40
	2173.00	2.10	260.75	2172.09	14.23	-14.71	-58.08	0.16	398392.09	775784.15	N 32.092997	W 103.576269	59.92	255.79
	2269.00	2.22	255.75	2268.02	14.94	-15.45	-61.62	0.23	398391.35	775780.61	N 32.092995	W 103.576281	63.53	255.92
	2364.00	2.42	263.68	2362.94	15.59	-16.13	-65.40	0.40	398390.68	775776.83	N 32.092993	W 103.576293	67.36	256.15
	2458.00	2.24	260.75	2456.87	16.07	-16.64	-69.18	0.23	398390.16	775773.05	N 32.092992	W 103.576305	71.16	256.48
	2552.00	2.20	262.08	2550.79	16.58	-17.18	-72.78	0.07	398389.62	775769.45	N 32.092991	W 103.576317	74.78	256.72
	2647.00	2.31	262.34	2645.72	17.06	-17.69	-76.49	0.12	398389.11	775765.74	N 32.092989	W 103.576329	78.51	256.98
	2741.00	2.06	267.78	2739.65	17.35	-18.01	-80.05	0.35	398388.79	775762.18	N 32.092988	W 103.576340	82.05	257.32
	2836.00	2.03	273.52	2834.59	17.28	-17.97	-83.44	0.22	398388.83	775758.79	N 32.092989	W 103.576351	85.35	257.85
	2930.00	1.93	282.88	2928.54	16.80	-17.51	-86.64	0.36	398389.29	775755.59	N 32.092990	W 103.576362	88.40	258.57
	3025.00	1.66	298.70	3023.49	15.76	-16.50	-89.41	0.59	398390.30	775752.82	N 32.092993	W 103.576370	90.92	259.55
	3214.00	1.77	350.08	3212.42	11.55	-12.31	-92.31	0.79	398394.49	775749.92	N 32.093004	W 103.576380	93.13	262.41
	3309.00	2.70	315.18	3307.35	8.50	-9.27	-94.14	1.69	398397.53	775748.09	N 32.093013	W 103.576386	94.60	264.37
	3403.00	3.51	315.74	3401.21	4.84	-5.64	-97.71	0.86	398401.16	775744.52	N 32.093023	W 103.576397	97.88	266.69
	3498.00	3.39	314.96	3496.04	0.74	-1.58	-101.73	0.14	398400.23	775740.50	N 32.093034	W 103.576410	101.74	269.11
	3593.00	4.50	299.17	3590.81	-3.10	2.23	-106.97	1.62	398409.03	775735.26	N 32.093045	W 103.576427	107.00	271.19
	3687.00	5.80	292.95	3684.43	-6.82	5.87	-114.57	1.50	398412.67	775727.67	N 32.093055	W 103.576451	114.72	272.94
	3782.00	4.98	293.85	3779.01	-10.42	9.41	-122.76	0.87	398416.21	775719.48	N 32.093065	W 103.576478	123.12	274.39
	3877.00	4.25	299.96	3873.70	-13.90	12.84	-129.58	0.93	398419.64	775712.65	N 32.093074	W 103.576499	130.21	275.66
	3971.00	4.83	287.74	3967.41	-16.90	15.78	-136.37	1.20	398422.58	775705.87	N 32.093082	W 103.576521	137.28	276.60
	4066.00	6.08	272.49	4061.98	-18.41	17.22	-145.20	2.00	398424.02	775697.03	N 32.093086	W 103.576550	146.22	276.76
	4161.00	5.53	269.37	4156.49	-18.66	17.39	-154.81	0.67	398424.19	775687.43	N 32.093087	W 103.576581	155.78	276.41
	4256.00	4.60	266.47	4251.12	-18.45	17.11	-163.19	1.02	398423.90	775679.05	N 32.093087	W 103.576608	164.08	275.98
	4350.00	4.02	256.97	4344.86	-17.53	16.13	-170.16	0.98	398422.93	775672.08	N 32.093084	W 103.576630	170.92	275.42
	4445.00	3.35	251.63	4439.66	-15.95	14.50	-176.04	0.79	398421.30	775666.20	N 32.093080	W 103.576640	176.63	274.71
	4540.00	2.78	224.73	4534.53	-13.47	11.99	-180.29	1.61	398418.79	775661.94	N 32.093073	W 103.576663	180.69	273.81
	4634.00	2.98	188.39	4628.42	-9.45	7.96	-182.25	1.92	398414.76	775659.98	N 32.093062	W 103.576670	182.43	272.50
	4729.00	1.63	164.19	4723.34	-5.71	4.21	-182.25	1.72	398411.01	775659.99	N 32.093051	W 103.576670	182.29	271.32
	4824.00	0.39	290.98	4818.33	-4.53	3.03	-182.18	1.99	398409.83	775660.06	N 32.093048	W 103.576670	182.20	270.95
	4918.00	1.53	298.94	4912.32	-5.26	3.75	-183.58	1.22	398410.55	775658.66	N 32.093050	W 103.576674	183.61	271.17
	5013.00	1.28	300.35	5007.29	-6.43	4.90	-185.60	0.27	398411.70	775656.63	N 32.093053	W 103.576681	185.67	271.51
	5202.00	1.57	287.39	5196.23	-8.30	6.74	-189.89	0.23	398413.54	775652.34	N 32.093059	W 103.576694	190.01	272.03
	5297.00	1.45	288.67	5291.20	-9.09	7.51	-192.28	0.13	398414.31	775649.96	N 32.093061	W 103.576702	192.42	272.24
	5486.00	1.47	316.85	5480.14	-11.66	10.05	-196.20	0.38	398416.85	775646.04	N 32.093068	W 103.576715	196.46	272.93
	5581.00	1.38	304.68	5575.11	-13.22	11.59	-197.97	0.33	398418.39	775642.36	N 32.093072	W 103.576720	199.31	273.35
	5676.00	1.14	305.63	5670.08	-14.43	12.79	-199.68	0.25	398419.59	775642.55	N 32.093075	W 103.576726	200.09	273.66
	5770.00	1.35	301.52	5764.06	-15.57	13.91	-201.39	0.24	398420.71	775640.85	N 32.093078	W 103.576731	201.87	273.95
	5865.00	1.45	300.76	5859.03	-16.78	15.11	-203.37	0.11	398421.91	775638.86	N 32.093082	W 103.576738	203.93	274.25
	5959.00	1.58	306.77	5953.00	-18.19	16.50	-205.43	0.22	398423.30	775636.80	N 32.093086	W 103.576744	206.09	274.59
	6054.00	1.74	298.01	6047.96	-19.67	17.96	-207.75	0.32	398424.76	775634.48	N 32.093090	W 103.576752	208.53	274.94
	6149.00	1.71	300.74	6142.92	-21.09	19.36	-210.25	0.09	398426.16	775631.99	N 32.093094	W 103.576760	211.14	275.26
	6243.00	1.65	295.34	6236.88	-22.40	20.66	-212.68	0.18	398427.46	775629.56	N 32.093097	W 103.576768	213.68	275.55
	6338.00	1.59	287.39	6331.84	-23.40	21.64	-215.17	0.24	398428.44	775627.07	N 32.093100	W 103.576776	216.25	275.74
	6432.00	1.73	290.85	6425.80	-24.32	22.53	-217.74	0.18	398429.33	775624.50	N 32.093102	W 103.576784	218.90	275.91

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N °S °)	Longitude (E/W °)	Closure (ft)	Closure Azimuth (°)	
First SLB Survey	9173.00	0.86	189.25	9166.11	2.61	-4.62	-244.32	1.16	398402.18	775597.92	N 32.093028	W 103.576870	244.36	268.92	
	9266.00	0.49	139.46	9259.10	3.60	-5.45	-244.17	0.71	398401.19	775598.06	N 32.093026	W 103.576870	244.24	268.68	
	9360.00	0.66	93.53	9353.10	3.69	-5.70	-242.42	0.75	398401.11	775598.82	N 32.093025	W 103.576867	243.48	268.66	
	9453.00	0.84	102.17	9446.09	3.63	-5.62	-242.26	0.53	398401.18	775599.98	N 32.093026	W 103.576864	242.33	268.67	
	9547.00	0.68	93.33	9540.08	3.82	-5.80	-241.03	0.21	398401.00	775601.21	N 32.093025	W 103.576860	241.10	268.62	
	9641.00	0.80	75.21	9634.07	3.69	-5.66	-239.84	0.28	398401.14	775602.40	N 32.093025	W 103.576856	239.91	268.65	
	9735.00	0.70	79.87	9728.07	3.43	-5.40	-238.64	0.12	398401.40	775603.60	N 32.093026	W 103.576852	238.70	268.70	
	9828.00	0.45	15.40	9821.06	2.99	-4.94	-237.98	0.70	398401.86	775604.25	N 32.093027	W 103.576850	238.04	268.81	
	9922.00	0.84	336.04	9915.06	2.00	-3.96	-238.17	0.61	398402.84	775604.07	N 32.093030	W 103.576850	238.20	269.05	
	10015.00	0.89	320.76	10008.05	0.81	-2.78	-238.90	0.25	398404.02	775603.34	N 32.093033	W 103.576853	238.92	269.33	
	10109.00	0.90	332.25	10102.03	-0.41	-1.56	-239.71	0.19	398405.24	775602.53	N 32.093037	W 103.576855	239.71	269.63	
	10203.00	1.29	327.75	10196.02	-1.97	-0.01	-240.61	0.42	398406.79	775601.62	N 32.093041	W 103.576858	240.61	270.00	
	10296.00	0.96	320.27	10289.00	-3.46	1.48	-241.67	0.39	398408.28	775600.57	N 32.093045	W 103.576862	241.67	270.35	
	10390.00	1.09	295.44	10382.98	-4.46	2.47	-242.98	0.49	398409.27	775599.26	N 32.093048	W 103.576866	242.99	270.58	
	10484.00	1.31	271.18	10476.96	-4.88	2.87	-244.86	0.58	398409.67	775597.37	N 32.093049	W 103.576872	244.88	270.67	
	10577.00	1.47	267.54	10569.94	-4.87	2.84	-247.12	0.20	398409.64	775595.12	N 32.093049	W 103.576879	247.13	270.66	
	10671.00	1.12	266.19	10663.91	-4.78	2.73	-249.24	0.37	398409.53	775593.00	N 32.093049	W 103.576886	249.25	270.63	
	10765.00	0.81	254.66	10757.90	-4.55	2.49	-250.80	0.39	398409.29	775591.44	N 32.093048	W 103.576891	250.81	270.57	
	10858.00	1.28	226.92	10850.88	-3.68	1.61	-252.19	0.73	398408.41	775590.05	N 32.093046	W 103.576896	252.19	270.37	
	10952.00	2.37	239.72	10944.84	-2.01	-0.09	-254.63	1.23	398406.71	775587.60	N 32.093041	W 103.576904	254.63	269.98	
	11046.00	2.50	228.93	11038.75	0.29	-2.41	-257.86	0.51	398404.39	775584.38	N 32.093035	W 103.576914	257.87	269.46	
	11139.00	2.13	228.43	11131.68	2.75	-4.89	-260.68	0.40	398401.91	775581.56	N 32.093028	W 103.576923	260.73	268.92	
	11233.00	2.00	222.21	11225.61	5.10	-7.27	-263.09	0.28	398399.53	775579.15	N 32.093021	W 103.576931	263.19	268.42	
	11327.00	2.24	260.42	11319.55	6.60	-8.79	-266.00	1.50	398398.01	775576.24	N 32.093017	W 103.576940	266.15	268.11	
	11420.00	2.14	272.41	11412.49	6.80	-9.02	-269.53	0.50	398397.78	775572.71	N 32.093017	W 103.576952	269.68	268.08	
	11514.00	2.12	280.80	11506.42	6.37	-8.62	-272.99	0.33	398398.18	775569.25	N 32.093018	W 103.576963	273.13	268.19	
	11607.00	2.62	295.76	11599.34	5.10	-7.37	-276.59	0.85	398399.43	775565.64	N 32.093021	W 103.576975	276.69	268.47	
	11632.00	2.76	297.52	11624.32	4.56	-6.85	-277.64	0.65	398399.95	775564.59	N 32.093023	W 103.576978	277.73	268.59	
	KOP	11665.00	2.84	301.18	11657.28	3.76	-6.06	-279.05	0.59	398400.74	775563.19	N 32.093025	W 103.576982	279.11	268.76
		11712.00	2.27	252.82	11704.23	3.42	-5.73	-280.93	4.59	398401.07	775561.31	N 32.093026	W 103.576989	280.99	268.83
		11712.32	2.27	251.75	11704.55	3.42	-5.73	-280.94	13.41	398401.07	775561.29	N 32.093026	W 103.576989	281.00	268.83
		11759.00	6.69	182.35	11751.10	6.42	-8.74	-281.94	13.41	398398.06	775560.30	N 32.093018	W 103.576992	282.07	268.82
11806.00		12.83	169.05	11797.41	14.30	-16.61	-281.06	13.83	398390.19	775561.18	N 32.092996	W 103.576989	281.55	266.62	
11852.00		17.28	167.15	11841.82	26.00	-28.29	-278.56	9.73	398378.51	775563.67	N 32.092964	W 103.576981	280.00	264.20	
11899.00		21.79	165.63	11886.10	41.29	-43.55	-274.85	9.66	398363.25	775567.39	N 32.092922	W 103.576970	278.27	261.00	
11946.00		25.42	162.47	11929.16	59.41	-61.63	-269.64	8.18	398345.17	775572.60	N 32.092872	W 103.576953	276.59	257.13	
11993.00		29.10	164.62	11970.94	80.11	-82.28	-263.57	8.10	398324.53	775578.67	N 32.092815	W 103.576934	276.11	252.66	
12040.00		33.49	164.47	12011.09	103.68	-105.80	-257.06	9.34	398301.00	775585.18	N 32.092751	W 103.576914	277.98	247.63	
12087.00		38.21	167.46	12049.18	130.44	-132.50	-250.43	10.71	398274.30	775591.81	N 32.092677	W 103.576893	283.32	242.12	
12134.00		42.27	169.76	12085.05	160.24	-162.26	-244.46	9.20	398244.55	775597.78	N 32.092595	W 103.576874	293.41	236.43	
12181.00		47.64	173.05	12118.30	193.10	-195.08	-239.55	12.45	398211.73	775602.69	N 32.092509	W 103.576859	308.93	230.84	
12227.00		51.26	172.00	12149.20	227.79	-229.73	-234.99	8.06	398177.98	775607.25	N 32.092409	W 103.576845	328.63	225.05	
12274.00		55.83	173.06	12176.12	265.30	-267.20	-230.09	9.89	398139.61	775612.15	N 32.092306	W 103.576830	352.61	220.73	
12321.00		61.03	171.99	12200.72	305.03	-306.89	-224.87	11.23	398099.92	775617.37	N 32.092197	W 103.576814	380.46	216.23	
12367.00		65.77	172.71	12221.31	345.83	-347.64	-219.40	10.40	398059.17	775622.84	N 32.092085	W 103.576798	411.09	212.26	
12427.00		69.04	172.52	12244.36	400.81	-402.57	-212.28	5.46	398004.24	775629.96	N 32.091934	W 103.576776	455.11	207.80	
12513.00		77.77	175.56	12268.90	482.76	-484.46	-203.78	10.70	397922.36	775638.45	N 32.091709	W 103.576750	525.57	202.81	
12608.00		83.05	176.03	12284.73	576.20	-577.84	-196.92	5.58	397828.97	775643.32	N 32.091452	W 103.576730	610.47	198.82	
12703.00		86.90	176.38	12293.04	670.66	-672.25	-190.66	4.07	397734.57	775651.58	N 32.091192	W 103.576712	698.77	195.83	
12797.00		91.05	176.97	12294.73	764.51	-766.06	-185.21	4.46	397640.76	775657.03	N 32.090934	W 103.576697	788.13	193.59	
12892.00		91.09	182.09	12292.95	859.46	-861.01	-184.43	5.39	397545.82	775657.81	N 32.090673	W 103.576696	880.54	192.09	
12987.00		90.31	180.14	12291.79	954.41	-955.98	-186.28	2.21	397450.05	775655.96	N 32.090412	W 103.576704	973.96	191.03	
13081.00		89.74	177.68	12291.75	1048.40	-1049.95	-184.49	2.69	397356.88	775657.13	N 32.090154	W 103.576701	1066.04	189.97	
13175.00		91.69	182.14	12290.58	1142.36	-1143.92	-184.34	5.18	397262.92	775657.89	N 32.089936	W 103.576702	1158.67	189.15	
13270.00		89.95	181.26	12289.22	1237.28	-1238.86	-187.16	2.05	397167.98	775655.08	N 32.089635	W 103.576714	1252.92	188.59	
13365.00		89.01	178.57	12290.08	1332.26	-1333.85	-187.02	3.00	397072.99	775655.22	N 32.089374	W 103.576715	1346.89	187.98	
13459.00		90.18	181.95	12290.74	1426.24	-1427.83	-187.44	3.80	396979.02	775654.79	N 32.089115	W 103.576719	1440.08	187.48	
13554.00		89.26	179.25	12291.21	1521.21	-1522.81	-188.44	3.00	396884.03	775653.80	N 32.088854	W 103.576724	1534.43	187.05	
13648.00		90.07	180.32	12291.76											

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S °)	Longitude (E/W °)	Closure (ft)	Closure Azimuth (°)
	19332.00	89.69	177.10	12291.91	7294.30	-7295.85	-159.28	2.01	391111.17	775682.95	N 32.072986	W 103.576761	7297.59	181.25
	19426.00	89.25	176.51	12292.78	7388.18	-7389.70	-154.05	0.78	391017.32	775688.19	N 32.072728	W 103.576746	7391.31	181.19
	19521.00	90.07	179.49	12293.35	7493.14	-7494.63	-150.73	3.25	390922.39	775691.50	N 32.072467	W 103.576738	7486.15	181.15
	19616.00	91.24	181.79	12292.26	7578.11	-7579.61	-151.79	2.72	390827.42	775690.44	N 32.072206	W 103.576743	7581.13	181.15
	19711.00	90.74	182.72	12290.62	7672.98	-7674.52	-155.53	1.11	390732.51	775686.71	N 32.071945	W 103.576757	7676.10	181.16
	19805.00	89.97	179.70	12290.04	7766.93	-7768.49	-157.51	3.32	390638.55	775684.72	N 32.071687	W 103.576766	7770.08	181.16
	19900.00	88.40	179.08	12291.39	7861.92	-7863.47	-156.50	1.78	390543.57	775685.73	N 32.071425	W 103.576765	7865.03	181.14
	19995.00	89.75	179.44	12292.92	7956.90	-7958.45	-155.28	1.47	390448.59	775686.96	N 32.071164	W 103.576763	7959.96	181.12
	20089.00	90.12	176.25	12293.03	8050.85	-8052.37	-151.74	3.42	390354.67	775690.49	N 32.070906	W 103.576754	8053.80	181.08
	20184.00	89.38	175.94	12293.44	8145.67	-8147.14	-145.27	0.84	390259.90	775696.96	N 32.070646	W 103.576735	8148.44	181.02
	20279.00	90.86	177.40	12293.24	8240.55	-8241.98	-139.75	2.19	390165.07	775702.48	N 32.070385	W 103.576719	8243.16	180.97
	20374.00	89.75	178.39	12292.74	8335.51	-8336.91	-136.27	1.57	390070.14	775705.97	N 32.070124	W 103.576710	8338.02	180.94
	20468.00	89.86	178.25	12293.06	8429.49	-8430.87	-133.51	0.19	389976.18	775708.72	N 32.069865	W 103.576703	8431.93	180.91
	20563.00	90.17	176.76	12293.03	8524.42	-8525.78	-129.37	1.60	389881.28	775712.86	N 32.069605	W 103.576692	8526.76	180.87
	20658.00	88.91	179.50	12293.80	8619.38	-8620.71	-126.27	3.17	389786.35	775715.96	N 32.069344	W 103.576684	8621.64	180.84
	20752.00	89.75	179.74	12294.90	8713.37	-8714.70	-125.65	0.93	389692.36	775716.58	N 32.069085	W 103.576684	8715.61	180.83
	20847.00	90.05	179.80	12295.06	8808.37	-8809.70	-125.27	0.32	389597.36	775716.96	N 32.068824	W 103.576685	8810.59	180.81
	20942.00	90.90	178.00	12294.27	8903.36	-8904.68	-123.45	2.10	389502.39	775718.79	N 32.068563	W 103.576682	8905.53	180.79
	21036.00	91.15	177.35	12292.59	8997.30	-8998.58	-119.63	0.74	389408.49	775722.60	N 32.068305	W 103.576671	8999.38	180.76
	21131.00	90.98	177.58	12290.83	9092.22	-9093.47	-115.43	0.30	389313.60	775726.80	N 32.068044	W 103.576660	9094.21	180.73
	21226.00	89.65	179.20	12290.30	9187.19	-9188.43	-112.76	2.21	389218.65	775729.47	N 32.067783	W 103.576654	9189.12	180.70
	21321.00	88.33	182.79	12291.98	9282.13	-9283.38	-114.41	4.03	389123.70	775727.82	N 32.067522	W 103.576661	9284.09	180.71
	21415.00	88.67	182.45	12294.44	9375.96	-9377.25	-118.71	0.51	389029.83	775723.53	N 32.067264	W 103.576677	9378.00	180.73
	21510.00	90.38	180.06	12295.23	9470.90	-9472.22	-120.79	3.09	388934.87	775721.45	N 32.067003	W 103.576686	9472.99	180.73
	21604.00	90.37	178.37	12294.61	9564.90	-9566.20	-119.50	1.80	388840.89	775722.73	N 32.066745	W 103.576684	9566.95	180.72
	21699.00	90.25	178.49	12294.10	9659.88	-9661.16	-116.90	0.18	388745.93	775725.34	N 32.066483	W 103.576678	9661.87	180.69
	21793.00	90.08	179.69	12293.83	9753.87	-9755.15	-115.40	1.29	388651.94	775726.83	N 32.066225	W 103.576675	9755.83	180.68
	21888.00	89.00	180.01	12294.59	9848.87	-9850.14	-115.16	1.19	388556.95	775727.08	N 32.065964	W 103.576676	9850.82	180.67
	21983.00	90.44	179.03	12295.05	9943.86	-9945.14	-114.36	1.83	388461.96	775727.87	N 32.065703	W 103.576676	9945.79	180.66
Final Survey	22008.00	90.79	178.23	12294.79	9968.86	-9970.13	-113.76	3.49	388436.97	775728.47	N 32.065634	W 103.576674	9970.78	180.65
TD, PTB [100' FSL, 2465' FEL]	22039.00	90.79	178.23	12294.36	9999.85	-10001.11	-112.80	0.00	388405.99	775729.43	N 32.065549	W 103.576672	10001.75	180.65

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 3 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	22.000	1/98.425	14.750	10.750	A008Mb_MWD+IFR1+MS-Depth Only	Red Hills Unit #101H / Cimarex Red Hills Unit #101H Corrected MWD Surveys to 22039ft MD
	1	22.000	22.000	Act Stns	14.750	10.750	A008Mb_MWD+IFR1+MS-Depth Only	Red Hills Unit #101H / Cimarex Red Hills Unit #101H Corrected MWD Surveys to 22039ft MD
	1	22.000	1035.000	Act Stns	14.750	10.750	A008Mb_MWD+IFR1+MS	Red Hills Unit #101H / Cimarex Red Hills Unit #101H Corrected MWD Surveys to 22039ft MD
	1	1035.000	11694.000	Act Stns	9.875	7.625	A008Mb_MWD+IFR1+MS	Red Hills Unit #101H / Cimarex Red Hills Unit #101H Corrected MWD Surveys to 22039ft MD
	1	11694.000	12470.000	Act Stns	8.750	7.625	A008Mb_MWD+IFR1+MS	Red Hills Unit #101H / Cimarex Red Hills Unit #101H Corrected MWD Surveys to 22039ft MD
	1	12470.000	22039.000	Act Stns	6.750	5.500	A008Mb_MWD+IFR1+MS	Red Hills Unit #101H / Cimarex Red Hills Unit #101H Corrected MWD Surveys to 22039ft MD

...Red Hills Unit #101H\Cimarex Red Hills Unit #101H Corrected MWD Surveys to 22039ft MD

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

Estimated Formation Tops

Formation:	Top:	Formation:	Top:

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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. 30-025-49110										
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 Red Hills Unit		
								6. Well Number: 101H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator Cimarex Energy Co Of Colorado						9. OGRID 162683				
10. Address of Operator 600 N Marienfeld St, Ste 600, Midland, TX 79701						11. Pool name or Wildcat WC-025 G-09 S243336I; UPPER WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	B	33	25S	33E		455	North	2270	East	Lea
BH:	O	4	26S	33E		101	South	2465	East	Lea
13. Date Spudded 12/18/2021	14. Date T.D. Reached 1/27/2022		15. Date Rig Released 2/2/2022		16. Date Completed (Ready to Produce) 7/21/22			17. Elevations (DF and RKB, RT, GR, etc.) 3353 GR		
18. Total Measured Depth of Well 22039			19. Plug Back Measured Depth 22025		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run Gamma		
22. Producing Interval(s), of this completion - Top, Bottom, Name 12321 - 21995										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
10-3/4				1025		14-3/4		800 sx		560 sx
7-5/8				12470		9-7/8		1887 sx		363 sx
5-1/2				11599		6-3/4		0		0
5				22029		6-3/4		1538 sx		TOC @11870
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
26. Perforation record (interval, size, and number) 12321 - 21995, .42, 1540 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12321 - 21995		28090905# MESH SAND		
28. PRODUCTION										
Date First Production 7/21/22		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 7/30/2022	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 1256	Gas - MCF 2730	Water - Bbl. 6835	Gas - Oil Ratio 2173			
Flow Tubing Press.	Casing Pressure 3960	Calculated 24-Hour Rate	Oil - Bbl. 1256	Gas - MCF 2730	Water - Bbl. 6835	Oil Gravity - API - (Corr.) 42.4				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD								30. Test Witnessed By Coterra Rep		
31. List Attachments 102, Log, Surveys, Extra Point										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date:		
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										
Signature 			Printed Name Sarah Jordan		Title Regulatory Analyst			Date 8/10/22		
E-mail Address sarah.jordan@coterra.com										

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.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A "
T. Salt 1273	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 4670	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	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	T. Morrison	
T. Drinkard	T. Bone Springs 10035	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp 12118	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

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

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

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

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

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.....

From	To	Thickness In Feet	Lithology

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

ACKNOWLEDGMENTS

Action 132744

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 132744
	Action Type: [C-104] Completion Packet (C-104C)

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.

Sante Fe Main Office
Phone: (505) 476-3441

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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 132744

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683
	Action Number: 132744
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	10/16/2025