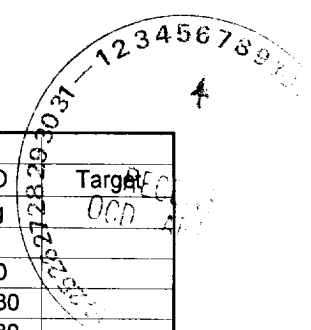
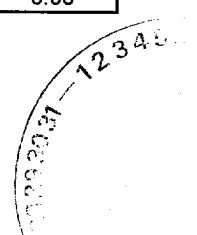


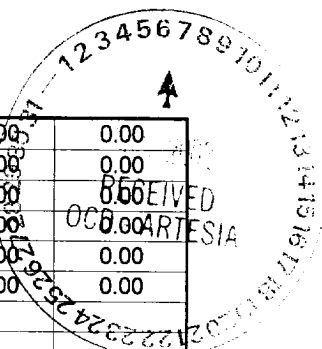
20-015 32227 19-23-30
Remuda Basin '19' Federal #3



Plan Section Information										
MD	Incl	Azim	TVD	(+N/-S)	(+E/-W)	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	190.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3450.00	0.00	190.80	3450.00	0.00	0.00	0.00	0.00	0.00	190.80	
4237.50	17.72	190.80	4225.00	-118.70	-22.60	2.25	2.25	0.00	190.80	
6337.10	17.72	190.80	6225.00	-746.30	-142.40	0.00	0.00	0.00	0.00	
7124.60	0.00	190.80	7000.00	-865.00	-165.00	2.25	-2.25	0.00	180.00	Top Pay #3
7300.00	0.00	190.80	7175.40	-865.00	-165.00	0.00	0.00	0.00	190.80	
Section 2: Start Hold										
MD	Incl	Azim	TVD	(+N/-S)	(+E/-W)	VS	DLS	Build	Turn	TFO
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg
0.00	0.00	190.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	190.80	100.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
200.00	0.00	190.80	200.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
300.00	0.00	190.80	300.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
400.00	0.00	190.80	400.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
500.00	0.00	190.80	500.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
600.00	0.00	190.80	600.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
700.00	0.00	190.80	700.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
800.00	0.00	190.80	800.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
900.00	0.00	190.80	900.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
1000.00	0.00	190.80	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
1100.00	0.00	190.80	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
1200.00	0.00	190.80	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
1300.00	0.00	190.80	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
1400.00	0.00	190.80	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
1500.00	0.00	190.80	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
1600.00	0.00	190.80	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
1700.00	0.00	190.80	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
1800.00	0.00	190.80	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
1900.00	0.00	190.80	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
2000.00	0.00	190.80	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
2100.00	0.00	190.80	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
2200.00	0.00	190.80	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
2300.00	0.00	190.80	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
2400.00	0.00	190.80	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
2500.00	0.00	190.80	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
2600.00	0.00	190.80	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
2700.00	0.00	190.80	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
2800.00	0.00	190.80	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
2900.00	0.00	190.80	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
3000.00	0.00	190.80	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
3100.00	0.00	190.80	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
3200.00	0.00	190.80	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
3300.00	0.00	190.80	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
3400.00	0.00	190.80	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
3450.00	0.00	190.80	3450.00	0.00	0.00	0.00	0.00	0.00	0.00	190.80
Section 2: Start Build 2.25										
MD	Incl	Azim	TVD	(+N/-S)	(+E/-W)	VS	DLS	Build	Turn	TFO
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg
3500.00	1.13	190.80	3500.00	-0.50	-0.10	0.50	2.25	2.25	0.00	0.00
3600.00	3.38	190.80	3599.90	-4.30	-0.80	4.40	2.25	2.25	0.00	0.00
3700.00	5.63	190.80	3699.60	-12.00	-2.30	12.30	2.25	2.25	0.00	0.00



Remuda Lasin '19' Federal #3



3800.00	7.88	190.80	3798.90	-23.60	-4.50	24.00	2.25	2.25	0.00	0.00
3900.00	10.13	190.80	3897.70	-39.00	-7.40	39.70	2.25	2.25	0.00	0.00
4000.00	12.38	190.80	3995.70	-58.10	-11.10	59.20	2.25	2.25	0.00	0.00
4100.00	14.63	190.80	4093.00	-81.00	-15.50	82.50	2.25	2.25	0.00	0.00
4200.00	16.88	190.80	4189.20	-107.70	-20.50	109.70	2.25	2.25	0.00	0.00
4237.50	17.72	190.80	4225.00	-118.70	-22.60	120.80	2.25	2.25	0.00	0.00

Section 3: Start Hold

MD	Incl	Azim	TVD	(+N/-S)	(+E/-W)	VS	DLS	Build	Turn	TFO
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg
4300.00	17.72	190.80	4284.50	-137.30	-26.20	139.80	0.00	0.00	0.00	0.00
4400.00	17.72	190.80	4379.80	-167.20	-31.90	170.30	0.00	0.00	0.00	0.00
4500.00	17.72	190.80	4475.10	-197.10	-37.60	200.70	0.00	0.00	0.00	0.00
4600.00	17.72	190.80	4570.30	-227.00	-43.30	231.10	0.00	0.00	0.00	0.00
4700.00	17.72	190.80	4665.60	-256.90	-49.00	261.60	0.00	0.00	0.00	0.00
4800.00	17.72	190.80	4760.80	-286.80	-54.70	292.00	0.00	0.00	0.00	0.00
4900.00	17.72	190.80	4856.10	-316.70	-60.40	322.40	0.00	0.00	0.00	0.00
5000.00	17.72	190.80	4951.30	-346.60	-66.10	352.90	0.00	0.00	0.00	0.00
5100.00	17.72	190.80	5046.60	-376.50	-71.80	383.30	0.00	0.00	0.00	0.00
5200.00	17.72	190.80	5141.80	-406.40	-77.50	413.70	0.00	0.00	0.00	0.00
5300.00	17.72	190.80	5237.10	-436.30	-83.20	444.20	0.00	0.00	0.00	0.00
5400.00	17.72	190.80	5332.40	-466.20	-88.90	474.60	0.00	0.00	0.00	0.00
5500.00	17.72	190.80	5427.60	-496.10	-94.60	505.00	0.00	0.00	0.00	0.00
5600.00	17.72	190.80	5522.90	-526.00	-100.30	535.50	0.00	0.00	0.00	0.00
5700.00	17.72	190.80	5618.10	-555.90	-106.00	565.90	0.00	0.00	0.00	0.00
5800.00	17.72	190.80	5713.40	-585.80	-111.70	596.30	0.00	0.00	0.00	0.00
5900.00	17.72	190.80	5808.60	-615.70	-117.40	626.80	0.00	0.00	0.00	0.00
6000.00	17.72	190.80	5903.90	-645.60	-123.10	657.20	0.00	0.00	0.00	0.00
6100.00	17.72	190.80	5999.20	-675.50	-128.80	687.60	0.00	0.00	0.00	0.00
6200.00	17.72	190.80	6094.40	-705.40	-134.50	718.10	0.00	0.00	0.00	0.00
6300.00	17.72	190.80	6189.70	-735.30	-140.30	748.50	0.00	0.00	0.00	0.00
6337.10	17.72	190.80	6225.00	-746.30	-142.40	759.80	0.00	0.00	0.00	0.00

Section 4: Start Drop -2.25

MD	Incl	Azim	TVD	(+N/-S)	(+E/-W)	VS	DLS	Build	Turn	TFO
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg
6400.00	16.30	190.80	6285.20	-764.40	-145.80	778.20	2.25	-2.25	0.00	180.00
6500.00	14.05	190.80	6381.70	-790.10	-150.70	804.40	2.25	-2.25	0.00	180.00
6600.00	11.80	190.80	6479.10	-812.10	-154.90	826.80	2.25	-2.25	0.00	180.00
6700.00	9.55	190.80	6577.40	-830.30	-158.40	845.30	2.25	-2.25	0.00	180.00
6800.00	7.30	190.80	6676.30	-844.70	-161.10	859.90	2.25	-2.25	0.00	180.00
6900.00	5.05	190.80	6775.70	-855.30	-163.10	870.70	2.25	-2.25	0.00	180.00
7000.00	2.80	190.80	6875.50	-862.00	-164.40	877.50	2.25	-2.25	0.00	180.00
7100.00	0.55	190.80	6975.40	-864.90	-165.00	880.50	2.25	-2.25	0.00	180.00
7124.60	0.00	190.80	7000.00	-865.00	-165.00	880.60	2.25	-2.25	0.00	180.00

Section 5: Start Hold

MD	Incl	Azim	TVD	(+N/-S)	(+E/-W)	VS	DLS	Build	Turn	TFO
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg
7200.00	0.00	190.80	7075.40	-865.00	-165.00	880.60	0.00	0.00	0.00	190.80
7300.00	0.00	190.80	7175.40	-865.00	-165.00	880.60	0.00	0.00	0.00	190.80