

Terra Energy Partners
Piceance Daily Drilling Report

WELL NAME:	RG 313-7-297	AFE #:	220095	AFE \$:	1,586,444	LANDING PNT	102(ft)	REPORT#:	1	DATE:	8/25/2022
FIELD:	RYAN GULCH	SIDETRACK:	00	DAILY COST \$:	151,599	LATERAL SEC:		DFS:	0.00		
EVENT:	DRILLING	LOCATION:		CUM COST \$:	151,599	TD (MD):	1.0	LITHOLOGY:			
OBJECTIVE:	DEVELOPMENT	CTY,ST:	RIO BLANCO,COLORADO	DAILY MUD	0	TD (TVD):	1.0	FORMATION:			
ENGINEER:	Dustin Childers	ROT HRS:	0.0	CUM MUD	0	SPUD DATE::	8/26/2022	RIG FUEL USED:		721	
TODAY'S DEPTH:	1 (ft)	CUM ROT:	0.00	+/- PLAN:		RR DATE :		CUM FUEL USED:		721	
PREV. DEPTH:	(ft)			RIG::	Cartel/X15			SUPERVISOR:		Craig Borgstede	
PROGRESS:	1 (ft)	WEATHER:						SUPERVISOR PH. #:		601-757-1737	
PRESENT OPERATION:	0.23 DFS. No HSEs or Inspections. Drilling Surface section										
OPERATION FORECAST:	Drill Surface section to TD. TOO H. Run casing to set depth. Pump Surface cement job.										

CSG / WELL CONTROL		DRLG DATA				DOWNTIME:		BIT RECORD			
LAST CASING:	20.000(in)	ST WT UP		PRESS		LOSS TIME (hrs):	0.00	BIT #		RPM	
DEPTH:	102(ft)	ST WT DN		RATE		LOSS TIME INC:	0.00	SIZE		HHP	
LAST BOP:		ST WT ROT		DP AV		NEAR MISSES:	0.00	TYPE		P BIT	
LOT EMW:		TQ ON BTM		DC AV		24 HR RIG DOWN:	0.00	JETS	-		
WEIGHT LB/FT:		TQ OFF BTM				CUM RIG DOWN	0.00	DEPTH IN			
CONN:								DEPTH OUT			
PUMP DATA								ROP-last 24 I			
PUMP #	MANU	LINER		STROKE		PRESSURE	GPM	CUM. FT			
1	GARDENER-DENVER			11				CUM. HRS			
2	GARDENER-DENVER			11				ROP/Cum-ent			
2	GARDENER-DENVER	6.000		11				WOB	-		
SURVEY DATA								DULL CONDITION			
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS	I	O	D	L
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

MUD ADDITIVES							
PRODUCT	AMOUNT	PRODUCT	AMOUNT	PRODUCT	AMOUNT	PRODUCT	AMOUNT
Third Party Trucking		NP-Lime		NP-NewZan D		NP-NewPHPA	
NP-Sodium Bicarboid		NP-DynaDet E		DES-SAPP Sticks		NP-Super Sweep Fil	
NP-SAPP		NP-NewGel HY		NP-NewWate 100 lb		NP-Soda Ash	
NP-Gypsum		Tax		Engineering (Drive-E			

MUD DATA							
MUD TYPE	MW	VISC		ECD	PV/YP /	API WL	HTHP
GELS (/		SOLIDS (%)	LGS (%)	SAND (%)	OIL (%)	MBT	LIME
pH	Pm	Pf	Mf	Ca+	K+	POLYMER	0.00
CaCl2	ES	HGS (%)		Filter Cake (32nd")	WTR	OIL	LCM IN
CHECK DEPTH	FL TEMP	HOLE VOL	0.00	PIT VOL	CLOM (ppm)	DISEL	LCM OUT

COMMENTS

MUD GAS DATA			
CONNECTION MAX	0.00	TRIP MAX	0.00
		BACKGROUND MAX	0.00

CURRENT BHA											
DESCRIPTION	NUMBER	LENGTH	DRILL ROT	DRILL SLIDE	P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE
	1	395.48									
Polycrystalline Diamond Bit	0	1.50	PDC						17.50	0.00	7.63
Bit Sub	1	1.10	ADT						8.00	2.81	
Bent Housing	2	30.94	9 5/8" Hybrid						10.25	0.00	
Shock Sub	3	9.39	Shock Sub						7.88	2.81	6.63
Non-Mag Pony Collar	4	12.18	NMPC						7.63	3.25	6.63
Non-Mag Drill Collar	5	26.50	NMDC						7.31	3.25	6.63
Gap Sub	6	5.59	Gap Sub						7.88	3.25	6.63
Cross Over	7	2.47	XO						8.00	3.25	4.25
Drill Collar	8	29.15	DC						6.50	2.25	4.25
Heavy Weight Drill Pipe	9	276.66	HWDP						4.50	2.75	4.25
BHA HRS	0.00	MTR HRS	0.00								
JAR HRS		MWD Hrs	0.00								

OPERATIONS (00:00)											
OPERATION COMMENT		Prepped and skidded over to the B row. Aligned rig over well center.									
FROM	TO	MD from	MD to	CODE	CLASS	OPERATIONS					
18:30	00:00			01	P	Prep and skid rig across to the B row. Align rig over well center.					

24 HOUR SUMMARY											
MD	INC	AZI	TVD	N+/S-	E+/W-	V.S.	DLS				
499	4.0	299.35	498.57	6.96	-16.20	17.61	.70				
SURVEY POSITION RELATIVE TO PLAN: 2.56' Above & .83' Left											

Terra Energy Partners
Piceance Daily Drilling Report

WELL NAME:	RG 313-7-297	AFE #:	220095	AFE \$:	1,586,444	LANDING PNT	102(ft)	REPORT#:	2	DATE:	8/26/2022
FIELD:	RYAN GULCH	SIDETRACK:	00	DAILY COST \$:	15,737	LATERAL SEC:		DFS:	0.98		
EVENT:	DRILLING	LOCATION:		CUM COST \$:	167,335	TD (MD):	1,410.0	LITHOLOGY:			
OBJECTIVE:	DEVELOPMENT	CTY,ST:	RIO BLANCO,COLOR ADO	DAILY MUD	1,512	TD (TVD):	1,406.4	FORMATION:			
ENGINEER:	Dustin Childers	ROT HRS:	17.5	CUM MUD	1,512	SPUD DATE::	8/26/2022	RIG FUEL USED:		2,242	
TODAY'S DEPTH:	1,410 (ft)	CUM ROT:	17.50	+/- PLAN:		RR DATE :		CUM FUEL USED:		2,963	
PREV. DEPTH:	1 (ft)			RIG::	Cartel/X15			SUPERVISOR:		Craig Borgstede	
PROGRESS:	1,409 (ft)	WEATHER:						SUPERVISOR PH. #:		601-757-1737	
PRESENT OPERATION:	1.17 DFS. No HSEs or Inspections. Rig released.										
OPERATION FORECAST:	Prep and skid to the RG 13-7-297. Spud and drill Surface section.										

CSG / WELL CONTROL		DRLG DATA				DOWNTIME:		BIT RECORD							
LAST CASING:	20.000(in)	ST WT UP	32.0	PRESS	1,500.00	LOSS TIME (hrs):	0.00	BIT #	1	RPM	0				
DEPTH:	102(ft)	ST WT DN	28.0	RATE	800.0	LOSS TIME INC:	0.00	SIZE	17-1/2 (")	HHP	114.20				
LAST BOP:		ST WT ROT	30.0	DP AV		NEAR MISSES:	0.00	TYPE	SDi616	P BIT	242.95				
LOT EMW:		TQ ON BTM	12.0	DC AV		24 HR RIG DOWN:	0.00	JETS	9-15						
WEIGHT LB/FT:		TQ OFF BTM	8.0			CUM RIG DOWN	0.00	DEPTH IN	102.0 (ft)						
CONN:								DEPTH OUT	1,410						
PUMP DATA								ROP-last 24 I	74.7						
PUMP #	MANU		LINER	STROKE	PRESSURE	GPM		CUM. FT	1,308.0						
1	GARDENER-DENVER			11	1,500.00	402.9		CUM. HRS	17.50						
2	GARDENER-DENVER			11	1,500.00	402.9		ROP/Cum-ent	74.7						
2	GARDENER-DENVER		6.000	11				WOB	6.0-10.0						
SURVEY DATA								DULL CONDITION							
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS	I	O	D	L	B	R	G	T
1,329.00	4.04	288.94	1,325.60	37.78	-78.32	86.96	1.88	1	1	CT	G	X	TD	I	1-1
1,285.00	4.70	295.53	1,281.73	36.50	-75.22	83.61	1.20								
1,198.00	5.32	305.20	1,195.06	32.64	-68.71	76.07	0.92								
1,110.00	4.57	308.62	1,107.39	28.10	-62.64	68.62	0.37								
1,023.00	4.70	305.02	1,020.67	23.89	-57.01	61.72	0.77								

MUD ADDITIVES																
PRODUCT		AMOUNT	PRODUCT		AMOUNT	PRODUCT		AMOUNT	PRODUCT	AMOUNT						
Third Party Trucking			NP-Lime		3.00	NP-NewZan D		5.00	NP-NewPHPA		2.00					
NP-Sodium Bicarboid			NP-DynaDet E			NP-Walnut Shell M		10.00	DES-SAPP Sticks							
NP-Super Sweep Fil			NP-SAPP		1.00	NP-NewGel HY		36.00	NP-NewWate 100 lb							
NP-Soda Ash			NP-Gypsum			Tax		38.94	Engineering (Drive-E		1.00					
MUD DATA																
MUD TYPE		WATER BASED	MW	9.80	VISC	36.00	ECD		PV/YP	5.0/7.0	API WL	54.0	HTHP			
GELS (5.0/8.0			SOLIDS (10.00 (%)			LGS 8.98 (%)			SAND 1.75 (%)			OIL (%)		MBT 20.0	LIME	
pH 8.60	Pm 0.10		Pf 0.05		Mf 0.15	Cl- 300		Ca+			K+		POLYMER		0.00	
CaCl2			ES			HGS 1.00 (%)			Filter Cake 5.0 (32nd")			WTR			OIL	LCM IN
CHECK DEPTH		1,410	FL TEMP		82.00	HOLE VOL		0.00	PIT VOL			CLOM (ppm)		DISEL		LCM OUT
COMMENTS																

MUD GAS DATA								
CONNECTION MAX		0.00	TRIP MAX		0.00	BACKGROUND MAX		0.00

CURRENT BHA											
DESCRIPTION	NUMBER	LENGTH	DRILL ROT	DRILL SLIDE	P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE
	1	395.48	1,308.00		32.00	28.00	30.0	12.0			
Polycrystalline Diamond Bit	0	1.50	PDC						17.50	0.00	7.63
Bit Sub	1	1.10	ADT						8.00	2.81	
Bent Housing	2	30.94	9 5/8" Hybrid						10.25	0.00	
Shock Sub	3	9.39	Shock Sub						7.88	2.81	6.63
Non-Mag Pony Collar	4	12.18	NMPC						7.63	3.25	6.63
Non-Mag Drill Collar	5	26.50	NMDC						7.31	3.25	6.63
Gap Sub	6	5.59	Gap Sub						7.88	3.25	6.63
Cross Over	7	2.47	XO						8.00	3.25	4.25
Drill Collar	8	29.15	DC						6.50	2.25	4.25
Heavy Weight Drill Pipe	9	276.66	HWDP						4.50	2.75	4.25
BHA HRS	16.85	MTR HRS	16.85								
JAR HRS		MWD Hrs	16.85								

OPERATIONS (00:00)											
OPERATION COMMENT			Drilled Surface section to TD. TOOH. Ran casing to set depth. Pumped Surface cement job.								
FROM	TO	MD from	MD to	CODE	CLASS	OPERATIONS					
00:00	00:30			06	P	P/U 17 1/2" BHA Components F/ Surf T/102'.					
00:30	18:00	102.00	1,410.00	02	P	Spud and Drill 17 1/2" hole section F/102' T/1410' - 1308'(75'/hr) 800 gpm, 1500 psi, 40 rpm, 8-12k torque, 6-10k WOB. No losses					
18:00	18:30			05	P	Pump 3-sweep cleanup cycle. Well static.					
18:30	20:00			08	T	Repair tugger line guard on Top Drive. 800 gpm, 900 psi. Well static.					
20:00	21:00			06	P	TOOH F/1402' T/118'. Well taking proper hole fill.					
21:00	21:30			06	P	TOOH with 17 1/2' BHA F/118' T/ Surf. Well taking proper hole fill.					
21:30	22:00			12	P	R/U casing equipment. Well static.					
22:00	00:00			12	P	RUN 13 3/8" 54.5# J-55 BTC SURFACE CASING AS FOLLOWS: MADE UP 1 FLOAT SHOE, 1 JOINT OF 54.5# BTC AS SHOE JOINT AND 1 FLOAT COLLAR, 33 JOINTS OF 13 3/8" 54.5# J-55 BTC WITH THE LAST JOINT TO BE CUT OFF AT GROUND LEVEL FOR A TOTAL OF 34 JOINTS OF SURFACE CASING. SHOE DEPTH AT 1,410.00'. FLOAT COLLAR DEPTH AT 1386.24'. RUN CENTRALIZERS ON THE FIRST THREE JOINTS, THEN 1 CENTRALIZER EVERY FORTH JOINT THEREAFTER FOR A TOTAL OF 10 CENTRALIZERS. BOTTOM CENTRALIZER AT 1,400.00' AND TOP CENTRALIZER AT 122.46'. CEMENT BASKET AT 80.33'. CASING SET DEPTH 1,410.00'.					

24 HOUR SUMMARY											
Current Position: Above/Below Plan: 31.65' Above Right/Left Plan: .30' Left											

Terra Energy Partners
Piceance Daily Drilling Report

WELL NAME:	RG 313-7-297	AFE #:	220095	AFE \$:	1,586,444	LANDING PNT	102(ft)	REPORT#:	3	DATE:	8/27/2022
FIELD:	RYAN GULCH	SIDETRACK:	00	DAILY COST \$:	149,928	LATERAL SEC:		DFS:	1.17		
EVENT:	DRILLING	LOCATION:		CUM COST \$:	317,263	TD (MD):	1,410.0	LITHOLOGY:			
OBJECTIVE:	DEVELOPMENT	CTY,ST:	RIO BLANCO,COLORADO	DAILY MUD	0	TD (TVD):	1,406.4	FORMATION:			
ENGINEER:	Dustin Childers	ROT HRS:	0.0	CUM MUD	1,512	SPUD DATE::	8/26/2022	RIG FUEL USED:		1,393	
TODAY'S DEPTH:	1,410 (ft)	CUM ROT:	17.50	+/- PLAN:		RR DATE :		CUM FUEL USED:		4,356	
PREV. DEPTH:	1,410 (ft)			RIG::	Cartel/X15			SUPERVISOR:		Craig Borgstede	
PROGRESS:	(ft)	WEATHER:						SUPERVISOR PH. #:		601-757-1737	
PRESENT OPERATION:	1.17 DFS. No HSEs or Inspections. Rig released.										
OPERATION FORECAST:	Prep and skid to the RG 13-7-297. Spud and drill Surface section.										

CSG / WELL CONTROL			DRLG DATA				DOWNTIME:		BIT RECORD						
LAST CASING:	20.000(in)	ST WT UP		PRESS		LOSS TIME (hrs):	0.00	BIT #		RPM					
DEPTH:	102(ft)	ST WT DN		RATE		LOSS TIME INC:	0.00	SIZE		HHP					
LAST BOP:		ST WT ROT		DP AV		NEAR MISSES:	0.00	TYPE		P BIT					
LOT EMW:		TQ ON BTM		DC AV		24 HR RIG DOWN:	0.00	JETS	-						
WEIGHT LB/FT:		TQ OFF BTM				CUM RIG DOWN	0.00	DEPTH IN							
CONN:								DEPTH OUT							
PUMP DATA								ROP-last 24 I							
PUMP #	MANU		LINER	STROKE	PRESSURE	GPM		CUM. FT							
1	GARDENER-DENVER			11				CUM. HRS							
2	GARDENER-DENVER			11				ROP/Cum-ent							
2	GARDENER-DENVER		6.000	11				WOB	-						
SURVEY DATA								DULL CONDITION							
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS	I	O	D	L	B	R	G	T
1,329.00	4.04	288.94	1,325.60	37.78	-78.32	86.96	1.88								-
1,285.00	4.70	295.53	1,281.73	36.50	-75.22	83.61	1.20								
1,198.00	5.32	305.20	1,195.06	32.64	-68.71	76.07	0.92								
1,110.00	4.57	308.62	1,107.39	28.10	-62.64	68.62	0.37								
1,023.00	4.70	305.02	1,020.67	23.89	-57.01	61.72	0.77								

MUD ADDITIVES							
PRODUCT	AMOUNT	PRODUCT	AMOUNT	PRODUCT	AMOUNT	PRODUCT	AMOUNT
Third Party Trucking		NP-Lime		NP-NewZan D		NP-NewPHPA	
NP-Sodium Bicarb		NP-DynaDet E		NP-Walnut Shell M		DES-SAPP Sticks	
NP-Super Sweep Fil		NP-SAPP		NP-NewGel HY		NP-NewWate 100 lb	
NP-Soda Ash		NP-Gypsum		Tax		Engineering (Drive-E	

MUD DATA													
MUD TYPE	WATER BASED MUD	MW	9.80	VISC	36.00	ECD	PV/YP	5.0/7.0	API WL	54.0	HTHP		
GELS (5.0/8.0		SOLIDS (10.00 (%)		LGS 8.98 (%)		SAND 1.75 (%)		OIL (%)		MBT	20.0	LIME	
pH 8.60	Pm 0.10	Pf 0.05	Mf 0.15	Cl- 300	Ca+	K+		POLYMER		0.00			
CaCl2		ES		HGS 1.00 (%)		Filter Cake 5.0 (32nd")		WTR		OIL		LCM IN	
CHECK DEPTH		1,410	FL TEMP		82.00	HOLE VOL		0.00	PIT VOL		CLOM (ppm)	DISEL	LCM OUT

COMMENTS

MUD GAS DATA								
CONNECTION MAX		0.00	TRIP MAX		0.00	BACKGROUND MAX		0.00

CURRENT BHA												
DESCRIPTION	NUMBER	LENGTH	DRILL ROT	DRILL SLIDE	P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE	
BHA HRS	0.00	MTR HRS	0.00									
JAR HRS		MWD Hrs	0.00									

OPERATIONS (00:00)												
OPERATION COMMENT			Drilled Surface section to TD. TOO H. Ran casing to set depth. Pumped Surface cement job.									
FROM	TO	MD from	MD to	CODE	CLASS	OPERATIONS						
00:00	00:30			12	P	RUN 13 3/8" 54.5# J-55 BTC SURFACE CASING AS FOLLOWS: MADE UP 1 FLOAT SHOE, 1 JOINT OF 54.5# BTC AS SHOE JOINT AND 1 FLOAT COLLAR, 33 JOINTS OF 13 3/8" 54.5# J-55 BTC WITH THE LAST JOINT TO BE CUT OFF AT GROUND LEVEL FOR A TOTAL OF 34 JOINTS OF SURFACE CASING. SHOE DEPTH AT 1,410.00'. FLOAT COLLAR DEPTH AT 1386.24'. RUN CENTRALIZERS ON THE FIRST THREE JOINTS, THEN 1 CENTRALIZER EVERY FORTH JOINT THEREAFTER FOR A TOTAL OF 10 CENTRALIZERS. BOTTOM CENTRALIZER AT 1,400.00' AND TOP CENTRALIZER AT 122.46'. CEMENT BASKET AT 80.33'. CASING SET DEPTH 1,410.00'.						
00:30	01:30			12	P	R/U cementing equipment. Well static.						
01:30	03:30			12	P	CEMENT SURFACE CASING: TESTED LINES TO 3500 PSI, PUMPED 20 BBLS FRESHWATER SPACER, PUMPED PRIMARY 219.1 BBLS (526 SKS) OF VARICEM AT 12.3 PPG, 2.34 YLD, 13.42 GAL/SK LEAD CEMENT W/ 20% EXCESS. DROPPED PLUG, DISPLACED WITH 215 BBLS OF FRESHWATER W/ 473 PSI LIFT AT 3 BPM. BUMPED PLUG TO 1109 PSI. FLOATS HELD. HAD FULL RETURNS THROUGHOUT JOB, 45 BBLS OF CEMENT BACK TO SURFACE.						
03:30	04:00			21	P	Perform casing test 1100 psi (1500 psi downhole equivalent).						
04:00	04:30			12	P	R/D cementing equipment. Cut casing 1" below ground level.						
04:30	04:30			28	P	Release rig.						

24 HOUR SUMMARY												