

Terra Energy Partners																															
Piceance Daily Drilling Report																															
WELL NAME:	RG 312-7-297		AFE #:	220094		AFE \$:	1,586,444		LANDING PNT	102(ft)		REPORT#:	1		DATE:	8/30/2022															
FIELD:	RYAN GULCH		SIDETRACK:	00		DAILY COST \$:	154,002		LATERAL SEC:			DFS:	0.29																		
EVENT:	DRILLING		LOCATION:			CUM COST \$:	154,002		TD (MD):	755.0		LITHOLOGY:																			
OBJECTIVE:	DEVELOPMENT		CTY,ST:	RIO BLANCO,COLOR ADO		DAILY MUD	0		TD (TVD):	748.6		FORMATION:																			
ENGINEER:	Dustin Childers		ROT HRS:	7.0		CUM MUD	0		SPUD DATE::	8/30/2022		RIG FUEL USED:		2,230																	
TODAY'S DEPTH:		755 (ft)		CUM ROT:		7.00		+/- PLAN:				RR DATE :				CUM FUEL USED:		2,230													
PREV. DEPTH:		(ft)						RIG::		Cartel/X15				SUPERVISOR:		Craig Borgstede															
PROGRESS:		755 (ft)		WEATHER:								SUPERVISOR PH. #:		601-757-1737																	
PRESENT OPERATION:		0.54 DFS. No HSEs or Inspections. Drilling Surface section.																													
OPERATION FORECAST:		Pump cleanup cycle. Run Surface casing to set depth. Pump Surface cement job. Perform casing test. Cut casing. Release rig.																													
CSG / WELL CONTROL			DRLG DATA					DOWNTIME:			BIT RECORD																				
LAST CASING:		20.000(in)		ST WT UP		30.0		PRESS		1,200.00		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		107.23									
LAST BOP:				ST WT ROT		29.0		DP AV				NEAR MISSES:		0.00		TYPE		SDI616		P BIT		228.12									
LOT EMW:				TQ ON BTM		10.0		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															
PUMP DATA													DULL CONDITION																		
PUMP #		MANU			LINER		STROKE		PRESSURE		GPM																				
1		GARDENER-DENVER					11		1,200.00		402.9																				
2		GARDENER-DENVER					11		1,200.00		402.9																				
2		GARDENER-DENVER			6.000		11																								
SURVEY DATA																															
MD		INCL		AZIM		TVD		N/S(-)		E/W(-)		VS		DLS		I		O		D		L		B		R		G		T	
641.00		10.81		0.48		636.88		59.21		-1.54		58.25		0.55		1		3		BT		G		X		TD		I		1-3	
554.00		10.33		0.48		551.35		43.26		-1.68		42.67		1.36																	
467.00		9.27		357.40		465.62		28.45		-1.42		28.13		3.22																	
380.00		6.50		354.30		379.45		16.55		-0.62		16.32		2.99																	
292.00		3.87		354.24		291.82		8.64		0.18		8.42		1.93																	
MUD ADDITIVES																															
PRODUCT		AMOUNT			PRODUCT			AMOUNT			PRODUCT			AMOUNT			PRODUCT			AMOUNT											
Third Party Trucking					NP-Lime						NP-NewZan D						NP-DynaDet E														
NP-NewPHPA					NP-Sodium Bicarboi						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																				
MUD DATA																															
MUD TYPE			MW			VISC			ECD			PV/YP /			API WL			HTHP													
GELS (/			SOLIDS (%)			LGS (%)			SAND (%)			OIL (%)			MBT			LIME													
pH		Pm		Pf		Mf		Cl-		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		362.95		653.00				30.00		28.00		29.0		10.0															
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		30.41		9 5/8" Hybrid												10.25		0.00											
Shock Sub		3		8.45		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		5.43		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		245.76		HWDP												4.50		2.75		4.25									
BHA HRS			5.87			MTR HRS			5.87																						
JAR HRS						MWD Hrs			5.87																						
OPERATIONS (00:00)																															
OPERATION COMMENT				Skidded over well center. Skidded and spudded in.																											
FROM	TO	MD from	MD to	CODE	CLASS	OPERATIONS																									
15:30	16:00			01	P	Prep and skid over well center.																									
16:00	17:00			06	P	P/U 17 1/2" BHA Components F/ Surf T/102'.																									
17:00	00:00	102.00	755.00	02	P	Spud and Drill 17 1/2" hole section F/102' T/755' - 653'(93'/hr) 800 gpm, 1200 psi, 35 rpm, 8-10k torque, 6-10k WOB. No losses.																									
24 HOUR SUMMARY																															
MD	INC	AZI	TVD	N+/S-	E+/W-	V.S.	DLS																								
	1165	13.32	350.63		1147.03	177.81	-12.44	176.53	.30																						
SURVEY POSITION RELATIVE TO PLAN: 13.94' Above & 24' Right																															

Terra Energy Partners
Piceance Daily Drilling Report

WELL NAME:	RG 312-7-297	AFE #:	220094	AFE \$:	1,586,444	LANDING PNT	102(ft)	REPORT#:	2	DATE:	8/31/2022
FIELD:	RYAN GULCH	SIDETRACK:	00	DAILY COST \$:	172,603	LATERAL SEC:		DFS:	1.10		
EVENT:	DRILLING	LOCATION:		CUM COST \$:	326,605	TD (MD):	1,490.0	LITHOLOGY:			
OBJECTIVE:	DEVELOPMENT	CTY,ST:	RIO BLANCO,COLOR ADO	DAILY MUD	2,349	TD (TVD):	1,464.0	FORMATION:			
ENGINEER:	Dustin Childers	ROT HRS:	7.5	CUM MUD	2,349	SPUD DATE::	8/30/2022	RIG FUEL USED:		2,531	
TODAY'S DEPTH:	1,490 (ft)	CUM ROT:	14.50	+/- PLAN:		RR DATE :		CUM FUEL USED:		4,761	
PREV. DEPTH:	755 (ft)			RIG::	Cartel/X15			SUPERVISOR:		Craig Borgstede	
PROGRESS:	735 (ft)	WEATHER:						SUPERVISOR PH. #:		601-757-1737	
PRESENT OPERATION:	1.10 DFS. No HSEs or Inspections. Rig released										
OPERATION FORECAST:	Prep and skid to the RG 12-7-297.										

CSG / WELL CONTROL		DRLG DATA				DOWNTIME:		BIT RECORD			
LAST CASING:	20.000(in)	ST WT UP	33.0	PRESS	1,600.00	LOSS TIME (hrs):	0.00	BIT #	1	RPM	0
DEPTH:	102(ft)	ST WT DN	30.0	RATE	800.0	LOSS TIME INC:	0.00	SIZE	17-1/2 (")	HHP	109.54
LAST BOP:		ST WT ROT	32.0	DP AV		NEAR MISSES:	0.00	TYPE	SDi616	P BIT	233.04
LOT EMW:		TQ ON BTM	12.0	DC AV		24 HR RIG DOWN:	0.00	JETS	9-15		
WEIGHT LB/FT:		TQ OFF BTM	10.0			CUM RIG DOWN	0.00	DEPTH IN	755.0 (ft)		
CONN:								DEPTH OUT	1,490		
PUMP DATA								ROP-last 24 I	98.0		
PUMP #	MANU	LINER	STROKE	PRESSURE	GPM			CUM. FT	1,388.0		
1	GARDENER-DENVER		11	1,600.00	402.9			CUM. HRS	14.50		
2	GARDENER-DENVER		11	1,600.00	402.9			ROP/Cum-ent	98.0		
2	GARDENER-DENVER	6.000	11					WOB	10.0-10.0		
SURVEY DATA								DULL CONDITION			
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS	I	O	D	L B R G T
1,383.00	12.17	346.42	1,359.43	226.18	-20.98	225.62	1.29	1	3	BT	G X TD I 1-3
1,252.00	13.40	351.69	1,231.67	197.73	-15.54	196.66	0.30				
1,165.00	13.32	350.63	1,147.03	177.87	-12.45	176.59	0.30				
1,078.00	13.58	350.55	1,062.41	157.91	-9.14	156.38	1.16				
990.00	14.28	353.62	977.00	136.93	-6.24	135.25	0.58				

MUD ADDITIVES							
PRODUCT	AMOUNT	PRODUCT	AMOUNT	PRODUCT	AMOUNT	PRODUCT	AMOUNT
Third Party Trucking		NP-Lime		NP-NewZan D	11.00	NP-DynaDet E	
NP-NewPHPA	4.00	NP-Sodium Bicarboi		Sawdust	25.00	NP-Walnut Shell M	10.00
DES-SAPP Sticks		NP-Super Sweep Fil	1.00	NP-SAPP		NP-NewGel HY	100.00
NP-NewWate 100 lb		NP-Soda Ash	5.00	NP-Gypsum		Tax	90.36

MUD DATA																															
MUD TYPE		WATER BASED MUD		MW		8.90		VISC		29.00		ECD		PV/YP		3.0/5.0		API WL		50.0		HTHP									
GELS (2.0/3.0				SOLIDS (4.00 (%)				LGS 3.73 (%)				SAND 0.35 (%)				OIL (%)				MBT 12.0				LIME							
pH 8.80		Pm 0.13		Pf 0.02		Mf 0.45		Cl- 600		Ca+				K+				POLYMER				0.00									
CaCl2				ES				HGS 0.24 (%)				Filter Cake 3.0 (32nd")				WTR				OIL				LCM IN							
CHECK DEPTH		1,490		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	362.95	735.00		33.00	30.00	32.0	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	30.41	9 5/8" Hybrid						10.25	0.00	
Shock Sub	3	8.45	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	5.43	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	245.76	HWDP						4.50	2.75	4.25
BHA HRS	13.57	MTR HRS	13.57								
JAR HRS		MWD Hrs	13.57								

OPERATIONS (00:00)											
OPERATION COMMENT		Ran Surface casing to set depth. Pumped Surface cement job. Performed casing test. Cut casing.									
FROM	TO	MD from	MD to	CODE	CLASS	OPERATIONS					
00:00	07:30	755.00	1,490.00	02	P	Drill 17 1/2" hole section F/755' T/1490' - 735'(98'/hr) 800 gpm, 1600 psi, 30 rpm, 8-12k torque, 10k WOB. No losses.					
07:30	08:30			05	P	Pump cleanup cycle. Well static.					
08:30	10:00			06	P	TOOH F/1490' T/118'. Well taking proper hole fill.					
10:00	10:30			06	P	TOOH with 17 1/2' BHA F/118' T/ Surf. Well taking proper hole fill.					
10:30	11:00			12	P	R/U casing equipment. Well static.					
11:00	16:00			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, 35 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 36 JOINTS OF SURFACE CASING. SHOE DEPTH AT 1,490.00'. FLOAT COLLAR DEPTH AT 1469.46'. RUN CENTRALIZERS ON THE FIRST THREE JOINTS, THEN 1 CENTRALIZER EVERY FORTH JOINT THEREAFTER FOR A TOTAL OF 10 CENTRALIZERS. BOTTOM CENTRALIZER AT 1,482.00' AND TOP CENTRALIZER AT 205.55'. CEMENT BASKET AT 79.22'. CASING SET DEPTH 1,490.00'.					
16:00	16:30			12	P	R/U cementing equipment. Well static.					
16:30	18:30			12	P	CEMENT SURFACE CASING: TESTED LINES TO 4000 PSI, PUMPED 20 BBLS FRESHWATER SPACER, PUMPED PRIMARY 228.2 BBLS (548 SKS) OF VARICEM AT 12.3 PPG, 2.34 YLD, 13.42 GAL/SK LEAD CEMENT W/ 20% EXCESS. DROPPED PLUG, DISPLACED WITH 227.8 BBLS OF FRESHWATER W/ 800 PSI LIFT AT 4 BPM. BUMPED PLUG TO 1450 PSI. FLOATS HELD. HAD FULL RETURNS THROUGHOUT JOB, 48 BBLS OF CEMENT BACK TO SURFACE.					
18:30	19:00			21	P	Perform casing test 1100 psi (1500 psi downhole equivalent).					
19:00	19:30			12	P	R/D cementing equipment. Cut casing 1" below ground level.					
19:30	19:30			28	P	Release rig.					

24 HOUR SUMMARY									
MD	INC	AZI	TVD	N+/S-	E+/W-	V.S.	DLS		
1383		12.17	346.42		1359.43	226.12	-20.96	225.56	1.2