

Terra Energy Partners																				
Piceance Daily Drilling Report																				
WELL NAME:	RG 414-7-297		AFE #:	220099		AFE \$:	1,586,444		LANDING PNT		REPORT#:	1		DATE:	8/23/2022					
FIELD:	RYAN GULCH		SIDETRACK:	00		DAILY COST \$:	142,005		LATERAL SEC:		DFS:	0.15								
EVENT:	DRILLING		LOCATION:			CUM COST \$:	142,005		TD (MD):	400.0		LITHOLOGY:								
OBJECTIVE:	DEVELOPMENT		CTY,ST:	RIO BLANCO,COLORADO		DAILY MUD	0		TD (TVD):	399.4		FORMATION:								
ENGINEER:	Dustin Childers		ROT HRS:	3.5		CUM MUD	0		SPUD DATE::	8/23/2022		RIG FUEL USED:		932						
TODAY'S DEPTH:		400 (ft)		CUM ROT:	3.50		+/- PLAN:			RR DATE :		CUM FUEL USED:		932						
PREV. DEPTH:		(ft)						RIG::	Cartel/X15				SUPERVISOR:		Craig Borgstede					
PROGRESS:		400 (ft)		WEATHER:								SUPERVISOR PH. #:		601-757-1737						
PRESENT OPERATION:		0.40 DFS. No HSEs. County Inspection. Drilling Surface Section																		
OPERATION FORECAST:		Drill Surface section to TD.TOOH. Run casing to set depth. Pump Surface cement job. Skid to the RG 314-7-297. Spud and drill Surface section.																		
CSG / WELL CONTROL			DRLG DATA					DOWNTIME:			BIT RECORD									
LAST CASING:				ST WT UP	25.0		PRESS	1,100.00		LOSS TIME (hrs):		0.00		BIT #	1		RPM	0		
DEPTH:				ST WT DN	23.0		RATE	800.0		LOSS TIME INC:		0.00		SIZE	17-1/2 (")		HHP	3,472.68		
LAST BOP:				ST WT ROT	24.0		DP AV			NEAR MISSES:		0.00		TYPE	SDi616		P BIT	7,387.73		
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																				
PUMP #		MANU			LINER		STROKE		PRESSURE		GPM		ROP-last 24 I		85.1					
1		GARDENER-DENVER					11		1,100.00		402.9		CUM. FT		298.0					
2		GARDENER-DENVER					11		1,100.00		402.9		CUM. HRS		3.50					
2		GARDENER-DENVER			6.000		11						ROP/Cum-ent		85.1					
SURVEY DATA																				
MD		INCL		AZIM		TVD		N/S(-)		E/W(-)		VS		DLS		DULL CONDITION				
326.00		4.57		201.22		325.74		-8.93		-6.03		10.31		2.52		I O D L B R G T				
234.00		2.55		220.47		233.92		-3.96		-3.38		4.77		1.09		1 2 CT G X TD I 1-2				
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 Bicarb				NP-DynaDet E				DES-SAPP Sticks				NP-Super Sweep Fil								
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	394.38		298.00				25.00	23.00	24.0	10.0							
Polycrystalline Diamond Bit			0	1.50		PDC								17.50	0.00	7.63				
Bent Housing			1	30.94		9 5/8" Hybrid								10.25	0.00					
Shock Sub			2	9.39		Shock Sub								7.88	2.81	6.63				
Non-Mag Pony Collar			3	12.18		NMPC								7.63	3.25	6.63				
Non-Mag Drill Collar			4	26.50		NMDC								7.31	3.25	6.63				
Gap Sub			5	5.59		Gap Sub								7.88	3.25	6.63				
Cross Over			6	2.47		XO								8.00	3.25	4.25				
Drill Collar			7	29.15		DC								6.50	2.25	4.25				
Heavy Weight Drill Pipe			8	276.66		HWDP								4.50	2.75	4.25				
BHA HRS			3.10	MTR HRS		3.10														
JAR HRS				MWD Hrs		3.10														
OPERATIONS (00:00)																				
OPERATION COMMENT				Prepped and skidded over well center. Spudded in.																
FROM	TO	MD from	MD to	CODE	CLASS	OPERATIONS														
19:00	19:30			01	P	Prep and skid rig over well center.														
19:30	20:30			06	P	P/U 17 1/2" BHA Components F/ Surf T/102'.														
20:30	00:00	102.00	400.00	02	P	Spud and Drill 17 1/2" hole section F/102' T/400' - 298'(85'/hr) 800 gpm, 1100 psi, 40 rpm, 8-10k torque, 10k WOB. No losses														
24 HOUR SUMMARY																				
MD	INC	AZI	TVD	N+/S-	E+/W-	V.S.	DLS													
849	11.91	197.00	841.38	-89.47	-33.37	95.31	.65													
Projection to Bit:																				
MD	INC	AZI	TVD	N+/S-	E+/W-	V.S.	DLS													
SURVEY POSITION RELATIVE TO PLAN: 11.64' Above & 5.79' Right																				

Terra Energy Partners

Piceance Daily Drilling Report

WELL NAME:	RG 414-7-297	AFE #:	220099	AFE \$:	1,586,444	LANDING PNT		REPORT#:	2	DATE:	8/24/2022
FIELD:	RYAN GULCH	SIDETRACK:	00	DAILY COST \$:	163,171	LATERAL SEC:		DFS:	0.94		
EVENT:	DRILLING	LOCATION:		CUM COST \$:	305,176	TD (MD):	1,387.0	LITHOLOGY:			
OBJECTIVE:	DEVELOPMENT	CTY,ST:	RIO BLANCO,COLOR ADO	DAILY MUD	1,689	TD (TVD):	1,363.7	FORMATION:			
ENGINEER:	Dustin Childers	ROT HRS:	9.0	CUM MUD	1,689	SPUD DATE::	8/23/2022	RIG FUEL USED:		2,124	
TODAY'S DEPTH:	1,387 (ft)	CUM ROT:	12.50	+/- PLAN:		RR DATE :		CUM FUEL USED:		3,056	
PREV. DEPTH:	400 (ft)			RIG::	Cartel/X15			SUPERVISOR:		Craig Borgstede	
PROGRESS:	987 (ft)	WEATHER:						SUPERVISOR PH. #:		601-757-1737	
PRESENT OPERATION:	0.94 DFS. No HSEs or Inspections. Rig released										
OPERATION FORECAST:	Prep and skid to the RG 314-7-297. Spud and drill Surface section.										

CSG / WELL CONTROL		DRLG DATA				DOWNTIME:		BIT RECORD							
LAST CASING:		ST WT UP	30.0	PRESS	1,500.00	LOSS TIME (hrs):	0.00	BIT #	1	RPM	0				
DEPTH:		ST WT DN	28.0	RATE	800.0	LOSS TIME INC:	0.00	SIZE	17-1/2 (")	HHP	107.21				
LAST BOP:		ST WT ROT	29.0	DP AV		NEAR MISSES:	0.00	TYPE	SDi616	P BIT	228.08				
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	400.0 (ft)						
CONN:								DEPTH OUT							
PUMP DATA								ROP-last 24 I	109.7						
PUMP #	MANU		LINER	STROKE	PRESSURE	GPM		CUM. FT	1,285.0						
1	GARDENER-DENVER			11	1,500.00	402.9		CUM. HRS	12.50						
2	GARDENER-DENVER			11	1,500.00	402.9		ROP/Cum-ent	109.7						
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
1,286.00	14.85	191.10	1,266.07	-187.40	-64.31	198.02	1.39	1	2	CT	G	X	TD	I	1-2
1,155.00	14.19	197.88	1,139.25	-155.65	-56.15	165.26	1.04								
1,024.00	12.96	200.43	1,011.91	-126.60	-46.09	134.54	0.71								
936.00	13.49	199.02	926.24	-107.65	-39.30	114.43	1.89								
849.00	11.91	197.00	841.38	-89.47	-33.37	95.31	0.65								

MUD ADDITIVES											
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT	
Third Party Trucking				NP-Lime		5.00		NP-NewZan D		5.00	
NP-Sodium Bicarb				NP-DynaDet E				DES-SAPP Sticks		20.00	
NP-Super Sweep Fil				NP-NewGel HY		25.00		NP-NewWate 100 lb			
NP-Gypsum		50.00		Tax		45.73		Engineering (Drive-E		1.00	
MUD DATA											
MUD TYPE		WATER BASED MUD		MW		9.80		VISC		33.00	
								ECD		P.V/YP	
GELS (5.0/7.0				SOLIDS (10.50 (%)		LGS		9.61 (%)		SAND	
pH 9.00		Pm 0.10		Pf 0.05		Mf 0.15		Cl- 400		Ca+	
CaCl2				ES		HGS 0.87 (%)		Filter Cake 4.0 (32nd")		WTR	
CHECK DEPTH		1,387		FL TEMP84.00				HOLE VOL		0.00	
								PIT VOL		CLOM	
										(ppm)	
										DISEL	
										LCM IN	
										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	394.38	987.00		30.00	28.00	29.0	12.0			
Polycrystalline Diamond Bit	0	1.50	PDC						17.50	0.00	7.63
Bent Housing	1	30.94	9 5/8" Hybrid						10.25	0.00	
Shock Sub	2	9.39	Shock Sub						7.88	2.81	6.63
Non-Mag Pony Collar	3	12.18	NMPC						7.63	3.25	6.63
Non-Mag Drill Collar	4	26.50	NMDC						7.31	3.25	6.63
Gap Sub	5	5.59	Gap Sub						7.88	3.25	6.63
Cross Over	6	2.47	XO						8.00	3.25	4.25
Drill Collar	7	29.15	DC						6.50	2.25	4.25
Heavy Weight Drill Pipe	8	276.66	HWDP						4.50	2.75	4.25
BHA HRS	12.48	MTR HRS	12.48								
JAR HRS		MWD Hrs	12.48								

OPERATIONS (00:00)											
OPERATION COMMENT			Drill Surfaced 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	09:00	400.00	1,387.00	02	P	Drill 17 1/2" hole section F/400' T/1387' - 987"(110'/hr) 800 gpm, 1500 psi, 40 rpm, 12k torque, 10k WOB. No losses					
09:00	10:00			05	P	Pump 3-sweep cleanup cycle. Well static.					
10:00	11:00			06	P	TOOH F/1387' T/118'. Well taking proper hole fill.					
11:00	12:00			06	P	TOOH with 17 1/2' BHA F/118' T/ Surf. Well taking proper hole fill.					
12:00	12:30			12	P	R/U casing equipment. Well static.					
12:30	15:30			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, 32 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 33 JOINTS OF SURFACE CASING. SHOE DEPTH AT 1,387.00'. FLOAT COLLAR DEPTH AT 1341.86'. RUN CENTRALIZERS ON THE FIRST THREE JOINTS, THEN 1 CENTRALIZER EVERY FORTH JOINT THEREAFTER FOR A TOTAL OF 10 CENTRALIZERS. BOTTOM CENTRALIZER AT 1,366.00' AND TOP CENTRALIZER AT 78.66'. CEMENT BASKET AT 78.66'. CASING SET DEPTH 1,387.00'.					
15:30	16:00			12	P	R/U cementing equipment. Well static.					
16:00	18:00			12	P	CEMENT SURFACE CASING: TESTED LINES TO 3900 PSI, PUMPED 20 BBLs FRESHWATER SPACER, PUMPED PRIMARY 231.2 BBLs (555 SKS) OF VARICEM AT 12.3 PPG, 2.34 YLD, 13.42 GAL/SK LEAD CEMENT W/ 30% EXCESS. DROPPED PLUG, DISPLACED WITH 208 BBLs OF FRESHWATER W/ 607 PSI LIFT AT 2 BPM. BUMPED PLUG TO 1071 PSI. FLOATS HELD. HAD FULL RETURNS THROUGHOUT JOB, 60 BBLs OF CEMENT BACK TO SURFACE.					
18:00	18:30			21	P	Perform casing test 1100 psi (1500 psi downhole equivalent).					
18:30	19:00			12	P	R/D cementing equipment. Cut casing 1" below ground level.					
19:00	19:00			28	P	Release rig.					

24 HOUR SUMMARY

Current Position:
Above/Below Plan: 42.92' Above
Right/Left Plan: 6.79' Right