

Terra Energy Partners																															
Piceance Daily Drilling Report																															
WELL NAME:	RG 512-7-297		AFE #:	220101		AFE \$:	1,586,444		LANDING PNT	102(ft)		REPORT#:	1	DATE:	8/28/2022																
FIELD:	RYAN GULCH		SIDETRACK:	00		DAILY COST \$:	165,813		LATERAL SEC:			DFS:	0.63																		
EVENT:	DRILLING		LOCATION:			CUM COST \$:	165,813		TD (MD):	1,447.0		LITHOLOGY:																			
OBJECTIVE:	DEVELOPMENT		CTY,ST:	RIO BLANCO,COLORADO		DAILY MUD	3,209		TD (TVD):	1,439.4		FORMATION:																			
ENGINEER:	Dustin Childers		ROT HRS:	13.5		CUM MUD	3,209		SPUD DATE::	8/28/2022		RIG FUEL USED:		2,208																	
TODAY'S DEPTH:		1,447 (ft)		CUM ROT:		13.50		+/- PLAN:				RR DATE :				CUM FUEL USED:	2,208														
PREV. DEPTH:		(ft)				RIG::		Cartel/X15				SUPERVISOR:		Craig Borgstede																	
PROGRESS:		1,447 (ft)		WEATHER:								SUPERVISOR PH. #:		601-757-1737																	
PRESENT OPERATION:		0.88 DFS. No HSEs or Inspections. Pumping Surface cement job																													
OPERATION FORECAST:		Perform casing test. Cut casing.																													
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:			BIT RECORD																					
LAST CASING:		20.000(in)		ST WT UP		32.0 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		107.21											
LAST BOP:				ST WT ROT		31.0 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		102.0 (ft)															
CONN:														DEPTH OUT		1,447															
PUMP DATA													DULL CONDITION																		
PUMP #		MANU		LINER		STROKE		PRESSURE		GPM																					
1		GARDENER-DENVER				11		1,600.00		402.9																					
2		GARDENER-DENVER				11		1,600.00		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	
1,371.00		5.54		332.44		1,363.76		120.66		-48.80		130.13		0.46		1		1		CT		N		X		TD		I		1-1	
1,283.00		5.93		333.58		1,276.20		112.82		-44.81		121.38		0.80																	
1,196.00		6.46		337.80		1,189.71		104.26		-40.96		112.02		0.78																	
1,109.00		7.12		339.12		1,103.32		94.69		-37.19		101.73		0.95																	
1,021.00		7.95		339.74		1,016.08		83.89		-33.14		90.19		0.71																	
MUD ADDITIVES																															
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT																	
Third Party Trucking		1,077.00		NP-Lime				NP-NewZan D		12.00		NP-NewPHPA		1.00																	
NP-Sodium Bicarb		1.00		NP-DynaDet E				NP-Walnut Shell M		2.00		DES-SAPP Sticks																			
NP-Super Sweep Fil				NP-SAPP				NP-NewGel HY		53.00		NP-NewWate 100 lb																			
NP-Soda Ash		7.00		NP-Gypsum				Tax		62.77		Engineering (Drive-E		1.00																	
MUD DATA																															
MUD TYPE		WATER BASED MUD		MW		9.20		VISC		38.00		ECD		PV/YP		7.0/12.0		API WL		48.0		HTHP									
GELS (4.0/5.0				SOLIDS (6.00 (%)				LGS 5.82 (%)				SAND 2.00 (%)		OIL (%)				MBT 20.0				LIME									
pH 8.00		Pm 0.05		Pf 0.05				Mf 0.30		Cl- 1000		Ca+		K+				POLYMER				0.00									
CaCl2				ES				HGS 0.12 (%)				Filter Cake 4.0 (32nd")		WTR				OIL				LCM IN									
CHECK DEPTH		1,410		FL TEMP85.00				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		394.05		1,345.00				32.00		30.00		31.0		12.0															
Polycrystalline Diamond Bit		0		1.50		PDC												17.50		0.00		7.63									
Bent Housing		1		30.82		9 5/8" Hybrid												10.25		0.00											
Shock Sub		2		9.34		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		5.43		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		12.67		MTR HRS		12.67																									
JAR HRS				MWD Hrs		12.67																									
OPERATIONS (00:00)																															
OPERATION COMMENT				Drilled Surface section to TD. TOOH. Ran casing to set depth.																											
FROM	TO	MD from	MD to	CODE	CLASS	OPERATIONS																									
07:00	07:30			01	P	Prep and skid over well center.																									
07:30	09:00			06	P	P/U 17 1/2" BHA Components F/ Surf T/102'.																									
09:00	22:30	102.00	1,447.00	02	P	Spud and Drill 17 1/2" hole section F/102' T/1447" - 1345'(100/hr) 800 gpm, 1600 psi, 30 rpm, 8-12k torque, 8-10k WOB. No losses																									
22:30	23:00			05	P	Pump 3-sweep cleanup cycle. Well static.																									
23:00	00:00			06	P	TOOH F/1447" T/700". Well taking proper hole fill.																									
24 HOUR SUMMARY																															
Current Position:																															
Above/Below Plan: 6.49' Below																															
Right/Left Plan: 2.53' Left																															

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Piceance Daily Drilling Report												
WELL NAME:	RG 512-7-297	AFE #:	220101	AFE \$:	1,586,444	LANDING PNT	102(ft)	REPORT#:	2	DATE:	8/29/2022	
FIELD:	RYAN GULCH	SIDETRACK:	00	DAILY COST \$:	149,613	LATERAL SEC:		DFS:	0.96			
EVENT:	DRILLING	LOCATION:		CUM COST \$:	315,426	TD (MD):	1,447.0	LITHOLOGY:				
OBJECTIVE:	DEVELOPMENT	CTY,ST:	RIO BLANCO,COLOR ADO	DAILY MUD	0	TD (TVD):	1,439.4	FORMATION:				
ENGINEER:	Dustin Childers	ROT HRS:	0.0	CUM MUD	3,209	SPUD DATE::	8/28/2022	RIG FUEL USED:	1,827			
TODAY'S DEPTH:		1,447 (ft)	CUM ROT:	13.50	+/- PLAN:		RR DATE :		CUM FUEL USED:		4,035	
PREV. DEPTH:		1,447 (ft)				RIG::	Cartel/X15		SUPERVISOR:		Craig Borgstede	
PROGRESS:		(ft)	WEATHER:					SUPERVISOR PH. #:		601-757-1737		
PRESENT OPERATION:		0.96 DFS. HSEs or Inspections. Rig released										
OPERATION FORECAST:		Prep and skid to the RG 412-7-297. 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												
PUMP #	MANU		LINER		STROKE	PRESSURE		GPM				
1	GARDENER-DENVER				11							
2	GARDENER-DENVER				11							
2	GARDENER-DENVER		6.000		11							
SURVEY DATA												
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS					
1,371.00	5.54	332.44	1,363.76	120.66	-48.80	130.13	0.46					
1,283.00	5.93	333.58	1,276.20	112.82	-44.81	121.38	0.80					
1,196.00	6.46	337.80	1,189.71	104.26	-40.96	112.02	0.78					
1,109.00	7.12	339.12	1,103.32	94.69	-37.19	101.73	0.95					
1,021.00	7.95	339.74	1,016.08	83.89	-33.14	90.19	0.71					
MUD ADDITIVES												
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		
Third Party Trucking				NP-Lime				NP-NewZan D				
NP-Sodium Bicarb				NP-DynaDet E				NP-Walnut Shell M				
NP-Super Sweep Fil				NP-SAPP				NP-NewGel HY				
NP-Soda Ash				NP-Gypsum				Tax				
Engineering (Drive-E												
MUD DATA												
MUD TYPE	WATER BASED MUD		MW	9.20	VISC	38.00	ECD		PV/YP	7.0/12.0	API WL 48.0	
GELS (4.0/5.0			SOLIDS (6.00 (%)		LGS 5.82 (%)		SAND 2.00 (%)		OIL (%)		MBT 20.0	
pH 8.00		Pm 0.05	Pf 0.05		Mf 0.30	Cl- 1000	Ca+		K+		POLYMER 0.00	
CaCl2			ES		HGS 0.12 (%)		Filter Cake 4.0 (32nd")		WTR		OIL LCM IN	
CHECK DEPTH		1,410	FL TEMP 85.00		HOLE VOL 0.00		PIT VOL		CLOM (ppm)		DISSEL 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	394.05									
Polycrystalline Diamond Bit		0	1.50	PDC						17.50	0.00	7.63
Bent Housing		1	30.82	9 5/8" Hybrid						10.25	0.00	
Shock Sub		2	9.34	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	5.43	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		0.00	MTR HRS		0.00							
JAR HRS				MWD Hrs		0.00						
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	TOOH F/700' T/118'. Well taking proper hole fill.						
00:30	01:00			06	P	TOOH with 17 1/2' BHA F/118' T/ Surf. Well taking proper hole fill.						
01:00	01:30			12	P	R/U casing equipment. Well static.						
01:30	04:30			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, 34 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 35 JOINTS OF SURFACE CASING. SHOE DEPTH AT 1,447.00'. FLOAT COLLAR DEPTH AT 1427.35'. RUN CENTRALIZERS ON THE FIRST THREE JOINTS, THEN 1 CENTRALIZER EVERY FORTH JOINT THEREAFTER FOR A TOTAL OF 10 CENTRALIZERS. BOTTOM CENTRALIZER AT 1,439.00' AND TOP CENTRALIZER AT 164.36'. CEMENT BASKET AT 80.16'. CASING SET DEPTH 1,447.00'.						
04:30	05:00			12	P	R/U cementing equipment. Well static.						
05:00	07:00			12	P	CEMENT SURFACE CASING: TESTED LINES TO 3000 PSI, PUMPED 20 BBLs FRESHWATER SPACER, PUMPED PRIMARY 223.2 BBLs (536 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/ 414 PSI LIFT AT 2 BPM. BUMPED PLUG TO 1144 PSI. FLOATS HELD. HAD FULL RETURNS THROUGHOUT JOB, 47 BBLs OF CEMENT BACK TO SURFACE.						
07:00	07:30			21	P	Perform casing test 1100 psi (1500 psi downhole equivalent).						
07:30	08:00			12	P	R/D cementing equipment. Cut casing 1" below ground level.						
08:00	08:00			28	P	Release rig.						
24 HOUR SUMMARY												