

Terra Energy Partners																															
Piceance Daily Drilling Report																															
WELL NAME:	RG 11-18-297		AFE #:	220089		AFE \$:	1,586,444		LANDING PNT	102(ft)		REPORT#:	1	DATE:	8/21/2022																
FIELD:	RYAN GULCH		SIDETRACK:	00		DAILY COST \$:	151,269		LATERAL SEC:			DFS:	0.42																		
EVENT:	DRILLING		LOCATION:			CUM COST \$:	151,269		TD (MD):	990.0		LITHOLOGY:																			
OBJECTIVE:	DEVELOPMENT		CTY,ST:	RIO BLANCO,COLORADO		DAILY MUD	0		TD (TVD):	977.2		FORMATION:																			
ENGINEER:	Dustin Childers		ROT HRS:	10.0		CUM MUD	0		SPUD DATE::	8/21/2022		RIG FUEL USED:		819																	
TODAY'S DEPTH:		990 (ft)		CUM ROT:		10.00		+/- PLAN:				RR DATE :				CUM FUEL USED:	819														
PREV. DEPTH:		(ft)				RIG::		Cartel/X15				SUPERVISOR:		Craig Borgstede																	
PROGRESS:		990 (ft)		WEATHER:								SUPERVISOR PH. #:		601-757-1737																	
PRESENT OPERATION:		0.67 DFS. No HSEs or Inspections.TOOH with 17 1/2" BHA																													
OPERATION FORECAST:		Run casing to set depth. Pump Surface cement job. Skid to the RG 11-18-297. Spud and drill Surface section.																													
CSG / WELL CONTROL			DRLG DATA					DOWNTIME:			BIT RECORD																				
LAST CASING:		20.000(in)		ST WT UP		25.0		PRESS		1,500.00		LOSS TIME (hrs):		0.00		BIT #		1		RPM		0									
DEPTH:		102(ft)		ST WT DN		23.0		RATE		800.0		LOSS TIME INC:		0.00		SIZE		17-1/2 (")		HHP		102.62									
LAST BOP:				ST WT ROT		24.0		DP AV				NEAR MISSES:		0.00		TYPE		SDi616		P BIT		219.91									
LOT EMW:				TQ ON BTM		9.0		DC AV				24 HR RIG DOWN:		0.00		JETS		9-15													
WEIGHT LB/FT:				TQ OFF BTM		7.0						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		1,500.00		383.7																					
2		GARDENER-DENVER				11		1,500.00		383.7																					
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	
849.00		14.10		190.23		840.71		-94.39		-17.82		96.06		1.37		1		1		NO		A		X		TD		I		1-1	
762.00		13.62		185.66		756.24		-73.77		-14.92		75.26		1.82																	
675.00		12.04		185.75		671.41		-54.55		-13.00		56.03		2.84																	
587.00		9.62		189.09		584.99		-38.15		-10.92		39.54		2.55																	
500.00		7.47		192.87		498.96		-25.46		-8.51		26.62		2.60																	
MUD ADDITIVES																															
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT																	
Third Party Trucking				NP-Lime				NP-NewZan D				NP-NewPHPA																			
DES-SAPP Sticks				NP-Super Sweep Fil				NP-NewGel HY				NP-NewWate 100 lb																			
NP-Soda Ash				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		394.06		888.00				25.00		23.00		24.0		9.0															
Polycrystalline Diamond Bit		0		1.50		PDC												17.50		0.00		7.63									
Bent Housing		1		30.00		9 5/8" Hybrid												10.25		0.00											
Shock Sub		2		10.01		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		8.27		MTR HRS		8.27																									
JAR HRS				MWD Hrs		8.27																									
OPERATIONS (00:00)																															
OPERATION COMMENT				Drilled Surface section to TD.																											
FROM	TO	MD from	MD to	CODE	CLASS	OPERATIONS																									
12:30	13:30			01	P	Prep and skid rig over well center.																									
13:30	14:00			06	P	P/U 17 1/2" BHA components F/ Surf T/102'.																									
14:00	00:00	102.00	990.00	02	P	Spud and Drill 17 1/2" hole section F/102' T/990' - 888'(89'/hr) 800 gpm, 1500 psi, 40 rpm, 8-10k torque, 8-10k WOB. No losses																									
24 HOUR SUMMARY																															
SURVEY POSITION RELATIVE TO PLAN: 10.32' Below & 8.29' Left																															

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WELL NAME:	RG 11-18-297		AFE #:	220089		AFE \$:	1,586,444		LANDING PNT	102(ft)		REPORT#:	2	DATE:	8/22/2022					
FIELD:	RYAN GULCH		SIDETRACK:	00		DAILY COST \$:	169,439		LATERAL SEC:			DFS:	1.02							
EVENT:	DRILLING		LOCATION:			CUM COST \$:	320,708		TD (MD):	1,408.0		LITHOLOGY:								
OBJECTIVE:	DEVELOPMENT		CTY,ST:	RIO BLANCO,COLOR ADO		DAILY MUD	4,019		TD (TVD):	1,380.6		FORMATION:								
ENGINEER:	Dustin Childers		ROT HRS:	4.5		CUM MUD	4,019		SPUD DATE::	8/21/2022		RIG FUEL USED:		2,427						
TODAY'S DEPTH:		1,408 (ft )	CUM ROT:	14.50		+/- PLAN:			RR DATE :				CUM FUEL USED:		3,246					
PREV. DEPTH:		990 (ft )				RIG::		Cartel/X15					SUPERVISOR:		Craig Borgstede					
PROGRESS:		418 (ft )	WEATHER:									SUPERVISOR PH. #:		601-757-1737						
PRESENT OPERATION:		1.02 DFS. No HSEs or Inspections. Rig released.																		
OPERATION FORECAST:		Prep and skid to the RG 514-7-297.																		
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:				BIT RECORD									
LAST CASING:		20.000(in)	ST WT UP	30.0	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	92.61						
LAST BOP:			ST WT ROT	29.0	DP AV		NEAR MISSES:		0.00		TYPE	SDi616	P BIT	206.87						
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	990.0 (ft)								
CONN:											DEPTH OUT	1,408								
PUMP DATA												DULL CONDITION								
PUMP #	MANU		LINER		STROKE		PRESSURE		GPM		ROP-last 24 I					92.9				
1	GARDENER-DENVER				11		1,500.00		383.7		CUM. FT					1,306.0				
2	GARDENER-DENVER				11		1,500.00		383.7		CUM. HRS					14.50				
2	GARDENER-DENVER		6.000		11						ROP/Cum-ent					92.9				
SURVEY DATA																				
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS				I	O	D	L	B	R	G	T		
1,329.00	16.92	186.28	1,305.06	-214.58	-33.23	216.98	2.20				1	1	NO	A	X	TD	I	1-1		
1,198.00	14.46	180.74	1,178.94	-179.27	-30.94	181.88	2.21													
1,111.00	13.84	188.21	1,094.58	-158.11	-29.31	160.80	0.83													
1,023.00	14.11	191.03	1,009.18	-137.16	-25.76	139.56	0.87													
936.00	14.85	190.41	924.95	-115.79	-21.71	117.80	0.86													
MUD ADDITIVES																				
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT						
Third Party Trucking		525.00		NP-Lime		1.00		NP-NewZan D		25.00		NP-NewPHPA		9.00						
NP-DynaDet E		2.00		DES-SAPP Sticks		72.00		NP-Super Sweep Fil		1.00		NP-NewGel HY		48.00						
NP-NewWate 100 lb				NP-Soda Ash		4.00		Tax		134.39										
MUD DATA																				
MUD TYPE		WATER BASED MUD		MW	9.00	VISC		36.00		ECD		PV/YP		6.0/9.0		API WL	24.0	HTHP		
GELS (3.0/6.0				SOLIDS ( 4.50 (%)		LGS 3.95 (%)		SAND 0.35 (%)		OIL (%)		MBT		12.0		LIME				
pH 8.90		Pm 0.10		Pf	0.02	Mf	0.62	Cl-	800	Ca+		K+				POLYMER		0.00		
CaCl2				ES		HGS 0.50 (%)		Filter Cake 1.0 (32nd" )		WTR		OIL				LCM IN				
CHECK DEPTH		1,408		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	394.06	418.00				30.00	28.00	29.0	12.0									
Polycrystalline Diamond Bit		0	1.50	PDC								17.50	0.00	7.63						
Bent Housing		1	30.00	9 5/8" Hybrid								10.25	0.00							
Shock Sub		2	10.01	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		0.00	MTR HRS		0.00															
JAR HRS			MWD Hrs		0.00															
OPERATIONS (00:00)																				
OPERATION COMMENT			Ran casing to set depth. Pumped Surface cement job.																	
FROM	TO	MD from	MD to	CODE	CLASS	OPERATIONS														
00:00	04:30	990.00	1,408.00	02	P	Drill 17 1/2" hole section F/990' T/1408' - 418'(93'/hr) 800 gpm, 1500 psi, 40 rpm, 10-12k torque, 10k WOB. No losses														
04:30	05:00			05	P	Pump 3-sweep cleanup cycle. Well static.														
05:00	06:30			06	P	TOOH F/1408' T/146'. Well taking proper hole fill.														
06:30	07:00			06	P	TOOH with 17 1/2" BHA. F/146' T/ Surf. Well taking proper hole fill.														
07:00	08:00			12	P	R/U casing equipment. Well static.														
08:00	10:30			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 1 LANDING JOINT AND A CASING MANDREL WITH PUP TO BE LANDED ON CONDUCTOR RING ADAPTER AT GROUND LEVEL FOR A TOTAL OF 33 JOINTS OF SURFACE CASING AND 1 PUP JOINT. SHOE DEPTH AT 1,398.00'. FLOAT COLLAR DEPTH AT 1357.13'. RUN CENTRALIZERS ON THE FIRST THREE JOINTS, THEN 1 CENTRALIZER EVERY FORTH JOINT THEREAFTER FOR A TOTAL OF 10 CENTRALIZERS. BOTTOM CENTRALIZER AT 1,380.00' AND TOP CENTRALIZER AT 106.50'. CEMENT BASKET AT 106.50'. CASING SET DEPTH 1,398.00'.														
10:30	11:30			05	P	Circulate with casing at set depth.														
11:30	12:00			12	P	R/U cementing equipment. Well static.														
12:00	14:00			12	P	CEMENT SURFACE CASING: TESTED LINES TO 3700 PSI, PUMPED 20 BBLS FRESHWATER SPACER, PUMPED PRIMARY 230.3 BBLS (553 SKS) OF VARICEM AT 12.3 PPG, 2.34 YLD, 13.42 GAL/SK LEAD CEMENT W/ 30% EXCESS. DROPPED PLUG, DISPLACED WITH 210.4 BBLS OF FRESHWATER W/ 411 PSI LIFT AT 4 BPM. BUMPED PLUG TO 1092 PSI. FLOATS HELD. HAD FULL RETURNS THROUGHOUT JOB, 70 BBLS OF CEMENT BACK TO SURFACE.														
14:00	14:30			21	P	Perform casing test 1100 psi (1500 psi downhole equivalent).														
14:30	14:30			28	P	Release rig.														
24 HOUR SUMMARY																				
Current Position: Above/Below Plan: 10.32' Below Right/Left Plan: 8.29' Left																				