

Terra Energy Partners

Piceance Daily Drilling Report

WELL NAME:	NR 332-4	AFE #:	220043	AFE \$:	884,559	LANDING PNT	1,137(ft)	REPORT#:	5	DATE:	8/9/2022												
FIELD:	RULISON	SIDETRACK:	00	DAILY COST \$:	67,145	LATERAL SEC:		DFS:	4.52														
EVENT:	DRILLING	LOCATION:		CUM COST \$:	540,105	TD (MD):	10,082.0	LITHOLOGY:															
OBJECTIVE:	DEVELOPMENT	CTY,ST:	GARFIELD,COL ORADO	DAILY MUD	13,011	TD (TVD):	8,935.1	FORMATION:															
ENGINEER:	Dustin Childers	ROT HRS:	6.5	CUM MUD	52,223	SPUD DATE::	8/5/2022	RIG FUEL USED:		2,494													
TODAY'S DEPTH:	10,082 (ft)	CUM ROT:	73.00	+/- PLAN:		RR DATE :		CUM FUEL USED:		17,106													
PREV. DEPTH:	9,716 (ft)			RIG::	H&P/329			SUPERVISOR:		Garrett Wade													
PROGRESS:	366 (ft)	WEATHER:	70° / Clear					SUPERVISOR PH. #:		970-549-3691													
PRESENT OPERATION:	4.77 DFS / BLM Inspections, No Incidents / Currently tripping out of hole with a magnet run.																						
OPERATION FORECAST:	Retrieve fish, trip out of hole and inspect BHA, trip in hole and drill production hole to TD.																						
CSG / WELL CONTROL		DRLG DATA				DOWNTIME:		BIT RECORD															
LAST CASING:	9.625(in)	ST WT UP	380.0	PRESS	3,400.00	LOSS TIME (hrs):	0.00	BIT #	2	RPM	135												
DEPTH:	1,137(ft)	ST WT DN	120.0	RATE	750.0	LOSS TIME INC:	0.00	SIZE	8-3/4 (")	HHP	72.80												
LAST BOP:	8/6/2022	ST WT ROT	200.0	DP AV		NEAR MISSES:	0.00	TYPE	XS616	P BIT	177.64												
LOT EMW:		TQ ON BTM	23,000.0	DC AV		24 HR RIG DOWN:	0.00	JETS	4-18, 2-20														
WEIGHT LB/FT:		TQ OFF BTM	24,000.0			CUM RIG DOWN	0.00	DEPTH IN	9,716.0 (ft)														
CONN:								DEPTH OUT	10,082														
PUMP DATA								ROP-last 24 I				56.3											
PUMP #	MANU		LINER	STROKE	PRESSURE	GPM	CUM. FT	8,935.0															
1	GARDENER-DENVER		6.500	11	1,250.00	351.3	CUM. HRS	67.50															
2	GARDENER-DENVER		6.500	11	1,250.00	351.3	ROP/Cum-ent	56.3															
3	GARDENER-DENVER		6.500	11			WOB	52.0-55.0															
SURVEY DATA								DULL CONDITION															
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS	I	O	D	L	B	R	G	T								
9,949.00	0.92	218.37	8,802.07	1,537.96	-3,572.66	1,537.96	0.09								-								
9,858.00	0.88	213.97	8,711.08	1,539.12	-3,571.81	1,539.12	2.34																
9,769.00	2.42	156.46	8,622.12	1,541.41	-3,572.18	1,541.41	0.64																
9,677.00	1.89	149.46	8,530.18	1,544.49	-3,573.73	1,544.49	0.44																
9,585.00	2.29	147.88	8,438.25	1,547.36	-3,575.48	1,547.36	0.37																
MUD ADDITIVES																							
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT									
NP-Myacide 5 gal				NP-Soda Ash				NP-Lime		3.00		NP-Aluminum Triste.											
NP-NewZan D		16.00		NP-DynaDet E				NP-AquaPak		10.00		NP-NewPac LV		10.00									
NP-NewPHPA		2.00		NP-NewGel Ton		2.00		NP-Sodium Bicarboi				BAS-Caustic Soda		2.00									
DES-SAPP Sticks				NP-NewPhalt		17.00		NP-SOYGOLD Metf				NP-Potassium Chlor											
NP-Desco				BAS-Jet Hib 5495		1.00		NP-NoFoam A		1.00		BAS-Defoam SI											
Sawdust		280.00		NP-Walnut Shell M		25.00		NP-Fiber-Seal				NP-SAPP											
NP-Super Sweep Fil				NP-EXWATE BULK		15.00		NP-NewWate 100 lb				Corrosion Ring											
NP-NewGel HY				Dewater-Alcomer 24		3.00		Dewater-Calcium Ni				Dewater-Aluminum !		7.00									
Third Party Trucking		1,006.25		NP-Rail Guppy Reni		3.00		Engineering (24 Hr s		1.00		Tax		384.55									
MUD DATA																							
MUD TYPE		WATER BASED MUD		MW		10.10		VISC		49.00		ECD		PV/YP 16.0/20.0									
GELS (8.0/26.0				SOLIDS (10.00 (%))		LGS 6.68 (%))		SAND 0.50 (%))		OIL 0.00 (%))		MBT 0.3		LIME									
pH 9.80		Pm 0.34		Pf 0.13		Mf 0.69		Cl- 1500		Ca+		K+		POLYMER 0.00									
CaCl2				ES		HGS 3.24 (%))		Filter Cake 2.0 (32nd")		WTR		OIL		LCM IN 0.0									
CHECK DEPTH		10,082		FL TEMP		HOLE VOL 0.00		PIT VOL		CLOM (ppm)		DISEL		LCM OUT 0									
COMMENTS																							
MUD GAS DATA																							
CONNECTION MAX				5,300.00				TRIP MAX				0.00				BACKGROUND MAX				250.00			
CURRENT BHA																							
DESCRIPTION		NUMBER		LENGTH		DRILL ROT		DRILL SLIDE		P/U		S/O		ROT		TORQUE		OD		ID		TOP CON SIZE	
		3		318.51																			
Accelerator		0		13.10														6.25		2.25			
Heavy Weight Drill Pipe		1		279.38														6.25		3.00			
Hydraulic Jar-F		2		13.15														6.25		2.25			
Bumper Sub		3		4.10														6.25		2.25			
Cross Over		4		1.86														6.25		2.25			
Washover Sub		5		6.92														6.25		2.25			
		2		1,043.94		366.00				380.00		120.00		200.0		23,000.0							
Heavy Weight Drill Pipe		0		743.41		HWDP												5.00		3.00			
Drill Collar		1		29.27		Drill Collar												6.75		2.81			
Drill Collar		2		30.26		Drill Collar												6.75		2.81			
Drill Collar		3		29.08		Drill Collar												6.75		2.81			
Drill Collar		4		30.00		Drill Collar												6.75		2.81			
Drill Collar		5		29.58		Drill Collar												6.75		2.81			
Drill Collar		6		29.69		Drill Collar												6.75		2.81			
Non-Mag Drill Collar		7		27.69		Non Mag DC												6.63		3.25			
Non-Mag Pony Collar		8		10.55		Non Mag PC												6.38		3.25			
MWD Tool		9		5.17		GAP SUB												6.25		3.13			
Non-Mag Drill Collar		10		28.22		Non Mag DC												6.25		3.25			
Non-Mag Pony Collar		11		13.69		Non Mag PC												6.38		3.25			
Positive Displacement Motor		12		36.33		Leam 7 1/4" 6:7 Lobe, 4.6 Stg. x 1.75° FBH												7.25		1.61			
Polycrystalline Diamond Bit		13		1.00		XS616												8.75		1.55			
BHA HRS		MTR HRS		0																			
JAR HRS		MWD Hrs																					
OPERATIONS (00:00)																							
OPERATION COMMENT				Drill 8 3/4" hole section F/ 9,716' T/ 10,082', trip out of hole for a washout, drill string parted 1,349' below surface, wait on fishing tools, make up and run in hole with fishing tools, latch on and work fish up hole to 1,240', grapple slipped, trip out of hole and perform Derrick inspection.																			
FROM	TO	MD from	MD to	CODE	CLASS	OPERATIONS																	
00:00	06:00	9,716.00	10,046.00	02	P	Drill 8 3/4" hole section F/ 9,716' T/ 10,046' - 330' (55'/hr) 750 gpm, 3,400 psi, 55 rpm, 23k torque, 55k wob. 100 bbls lost to seepage.																	
06:00	06:30	10,046.00	10,082.00	02	P	Drill 8 3/4" hole section F/ 10,046' T/ 10,082' - 36' (72'/hr) 750 gpm, 3,400 psi, 55 rpm, 23k torque, 55k wob. 0 bbls lost to seepage.																	
06:30	07:00			05	U	Troubleshoot PSI Loss (1,000 PSI), Pump walnut flag, flag at shakers after 1,200 strokes indicating wash at 1,900'.																	
07:00	07:30			06	U	Backream out to 9,544', 30 rpm, 300 gpm. Parted string.																	

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OPERATIONS (00:00)							
OPERATION COMMENT				Drill 8 3/4" hole section F/ 9,716' T/ 10,082', trip out of hole for a washout, drill string parted 1,349' below surface, wait on fishing tools, make up and run in hole with fishing tools, latch on and work fish up hole to 1,240', grapple slipped, trip out of hole and perform Derrick inspection.			
FROM	TO	MD from	MD to	CODE	CLASS	OPERATIONS	
07:30	08:00			06	U	Drill string parted at stand 84. Length of pipe left in hole 8,733', est top of fish at 1,349'. Inspect TDS, crown, drawworks, & drill line.	
08:00	09:00			06	U	TOOH 9 stands to parted stand 84. Well static.	
09:00	14:00			06	U	Wait on fishing tools. Monitor well on trip tanks. Well static.	
14:00	15:00			19	U	Make up fishing tools.	
15:00	17:00			19	U	Trip in hole, pickup 9 joints HWDP, Intensifier and 12 stands drill pipe.	
17:00	18:00			19	U	Work over top of fish at 1,349', engage and latch on fish.	
18:00	21:30			22	U	Circulate and work fish up the hole to 1,240', grapple slipped of fish.	
21:30	22:00			21	U	Inspect derrick, drawworks and anchor.	
22:00	23:00			19	U	Trip out of hole from 1,240' to surface. Found overshot washed and split, approx. 1' of bottom sub with cut-lip and grapple control left in hole, lay down same.	
23:00	00:00			24	U	Perform derrick and drops inspection.	
24 HOUR SUMMARY							
Current Survey:							
MD	INC	AZI	TVD	N+/S-	E+/W-	V.S.	DLS
9949	0.92	218.37		8802.07	1537.96	-3572.66	3889.61 0.09
Position Relative to Plan: 11' North of Target Center							