

Zarvona Energy
DAILY WORKOVER / COMPLETION REPORT

DATE: 9/26/2017
 DAY # 12

Lease/Well No:	University 1-36 #5H			AFE No: SA-36-5H-1
Current Ops	Frac ops			
Upcoming Ops	Frac Ops			
Marker Joints:	(7"/9.494")-(4-1/2"-11.253' / 13.754')	KOP	10,800'	TD: 16,181'
Int Casing	9-5/8" 40# J-55 / 9 5/8 40# L80	30	10,950'	PBTD: 16'079'
Production Casing	7" 26# P-110	60	11,170'	TVD: 10,938'
Production Casing	4 1/2" 13.5# P-110	90	11,370'	Orlan Flake / Chris Fox

DAILY ACTIVITY

TIME			OPERATION
FROM	TO	HRS	
6:00 AM	6:15 AM	0.25	Stage 17 Frac: Pumped: Total 15% HCL Acid: 96 bbls. Total Slickwater: 8,689 bbls. Load to recover for this stage: 8,785 bbls. Total load to recover: 158,392 bbls. Containing: Total 100 Mesh: 75,400 lbs. Total 40/70 White: 216,025 lbs. Total 40/70 Garnet: 46,549 lbs. Proppant pumped this stage: 337,974 lbs. Total proppant pumped: 5,789,963 lbs.
6:15 AM	7:45 AM	1.5	RIH set stage 18 CBP at 12,817'. Perforated: 12,801'-12,802', 12,769'-12,770', 12,737'-12,738', 12,705'-12,706', 12,670'-12,671', 12,641'-12,642'. All shots fired. LS: 297, PD Rt: 9 bpm, LT: 1039
7:45 AM	8:45 AM	1	Stuart replaced packing on the working valve and greased inside valves on flow cross.
8:45 AM	11:15 AM	2.5	Stage 18 Frac: Pumped: Total 15% HCL Acid: 96 bbls. Total Slickwater: 8,158 bbls. Load to recover for this stage: 8,259 bbls. Total load to recover: 166,713 bbls. Containing: Total 100 Mesh: 85,914 lbs. Total 40/70 White: 218,074 lbs. Total 40/70 Garnet: lbs. Proppant pumped this stage: 303,988 lbs. Total proppant pumped: 6,093,951 lbs.
11:15 AM	12:45 PM	1.5	RIH set stage 19 CBP at 12,625'. Perforated: 12,609'-12,610', 12,577'-12,578', 12,545'-12,546', 12,513'-12,514', 12,481'-12,482', 12,455'-12,456'. All shots fired. LS: 301, PD Rt: 9 bpm, LT: 1127
12:45 PM	3:45 PM	3	Stage 19 Frac: Pumped: Total 15% HCL Acid: 96 bbls. Total Slickwater: 8,983 bbls. Load to recover for this stage: 9,085 bbls. Total load to recover: 175,842 bbls. Containing: Total 100 Mesh: 81,848 lbs. Total 40/70 White: 228,937 lbs. Total 40/70 Garnet: 60,759 lbs. Proppant pumped this stage: 371,544 lbs. Total proppant pumped: 6,465,495 lbs.
3:45 PM	5:45 PM	2	RIH set stage 20 CBP at 12,433'. Perforated: 12,417'-12,418', 12,385'-12,386', 12,353'-12,354', 12,321'-12,322', 12,289'-12,290', 12,257'-12,258'. All shots fired.
5:45 PM	7:00 PM	1.25	Greasing and flushing well head valves.
7:00 PM	10:00 PM	3	Stage 20 Frac: Pumped: Total 15% HCL Acid: 96 bbls. Total Slickwater: 9,043 bbls. Load to recover for this stage: 9,139 bbls. Total load to recover: 185,019 bbls. Containing: Total 100 Mesh: 80,000 lbs. Total 40/70 White: 228,950 lbs. Total 40/70 Garnet: 54,500 lbs. Proppant pumped this stage: 363,450 lbs. Total proppant pumped: 6,828,945 lbs.
10:00 PM	11:45 PM	1.75	RIH set stage 21 CBP at 12,241'. Perforated: 12,222'-12,223', 12,193'-12,194', 12,161'-12,162', 12,129'-12,130', 12,097'-12,098', 12,065'-12,066'. All shots fired. LS: 240, PD Rt: 8 bpm, LT: 975
11:45 PM	12:30 AM	0.75	Stuart greasing the well head valves.
12:30 AM	3:45 AM	3.25	Had to shut down on 40/70 white in stage 21 due to water transfer having a line bust on the recirc line.
3:45 AM	5:15 AM	1.5	Repaired line and filled tanks to resume stage 21. Greased well head while line was being repaired. Working valve and master valve not sealing.
5:15 AM	6:00 AM	0.75	Pumping stage 21.

Intangible Costs		Tangible Costs	
Water Hauling	C&J Frac	\$378,152	
Dirt Work	API Wireline	\$22,000	
Crane	Weatherford Plugs/ Plug Hands	\$4,200	
Anchors	Klausen Water Transfer		
Trucking - Tanks	Supervision	\$3,000	
Trucking - Trailer House	Stuart Frac Stack		
Trucking - Light Plants	FTR Frac Tanks		
Trucking - Porta Pots	Acid Tanks		
Trucking - Trash Trailer	Porta Pots		
Trucking - Manlift	Manlift		
Trucking - Frac Stack	Light Towers		
Trucking - Trailer Water	Trash Trailer		
Trucking - Zipper Manifold	Trailer House		
	S3 Pumpdown	\$7,250	
	Daily Intangible Costs	\$414,602	Daily Tangible Costs
	Cum. Intangible Costs	\$414,602	Cum. Tangible Costs
			Previous Day Cum. Cost
			\$1,657,365
			TOTAL DAILY COST
			\$414,602
			TOTAL CUM. COST
			\$1,971,967

NOTE: All costs are field estimates only.

Zarvona Energy
DAILY WORKOVER / COMPLETION REPORT

DATE: 9/28/2017
 DAY # 14

Lease/Well No:	University 1-36 #5H			AFE No: SA-36-5H-1
Current Ops	Frac ops			
Upcoming Ops	Frac Ops			
Marker Joints:	(7"/9.494")-(4-1/2"-11.253' / 13.754')	KOP	10,800'	TD: 16,181'
Int Casing	9-5/8" 40# J-55 / 9 5/8 40# L80		30 10,950'	PBTD: 16'079'
Production Casing	7" 26# P-110		60 11,170'	TVD: 10,938'
Production Casing	4 1/2" 13.5# P-110		90 11,370'	Orlan Flake / Chris Fox

DAILY ACTIVITY

TIME			OPERATION
FROM	TO	HRS	
6:00 AM	8:30 AM	2.5	Waiting for Acid delivery
8:30 AM	11:15 AM	2.75	Found a leak around the well head dug down as far as possible but could not see due to water in the cellar called for a vacuum truck to clean out the cellar to verify the leak. Upon inspection the intermediate casing valve had was leaking between the valve and the nipple. The connections were replaced and tightened before starting the stage.
11:15 AM	1:45 PM	2.5	Stage 26 Frac: Pumped: Total 15% HCL Acid: 190 bbls. Total Slickwater: 8,600 bbls. Load to recover for this stage: 8,790 bbls. Total load to recover: 249,927 bbls. Containing: Total 100 Mesh: 78,415 lbs, Total 40/70 White: 227,293 lbs, Total 40/70 Garnet: 52,104 lbs. Proppant pumped this stage: 357,812 lbs. Total proppant pumped: 8,276,437 lbs.
1:45 PM	3:30 PM	1.75	RIH set stage 27 CBP at 11,087'. Perforated: 11,073'-11,074', 11,041'-11,042', 11,009'-11,010', 10,977'-10,978', 10,945'-10,946', 10,916'-10,917'. All shots fired. LS: 163, PD Rt: 0 bpm, LT: 1020
3:30 PM	6:00 PM	2.5	Stage 27 Frac: Pumped: Total 15% HCL Acid: 188 bbls. Total Slickwater: 8,736 bbls. Load to recover for this stage: 8,924 bbls. Total load to recover: 249,851 bbls. Containing: Total 100 Mesh: 86,827 lbs, Total 40/70 White: 238,173 lbs, Total 40/70 Garnet: 54,800 lbs. Proppant pumped this stage: 379,800 lbs. Total proppant pumped: 8,656,237 lbs.
6:00 PM	7:30 PM	1.5	Kill plug set at 10,710'. Negative test performed and kill plug holding. Wellhead psi at Ops. S3 pumpdown rigged down and moved off location.
7:30 PM	10:00 PM	2.5	C&J and API rigging down and moving off location. Stuart nipped down well head to flow cross and put HP flange on top of flow cross.
10:00 PM	1:30 AM	3.5	C&J finish rigging down and getting off location.
1:30 AM	6:00 AM	4.5	SDFN.

Intangible Costs		Tangible Costs	
Water Hauling	C&J Frac	\$189,120	
Dirt Work	API Wireline	\$21,000	
Crane	Weatherford Plugs/ Plug Hands	\$14,900	
Anchors	Klausen Water Transfer	\$18,000	
Trucking - Tanks	Supervision	\$3,000	
Trucking - Trailer House	Stuart Frac Stack	\$9,100	
Trucking - Light Plants	PTR Frac Tanks	\$23,844	
Trucking - Porta Pots	Acid Tanks		
Trucking - Trash Trailer	Porta Pots	\$480	
Trucking - Manlift	Manlift	\$480	
Trucking - Frac Stack	Light Towers	\$3,360	
Trucking - Trailer Water	Baker Hughes ClO2	\$31,572	
Trucking - Zipper Manifold	Baker Hughes Scalesorb	\$20,575	
	S3 Pumpdown	\$10,000	
	Renegade	\$22,134	
	Daily Intangible Costs	\$367,565	Daily Tangible Costs
	Cum. Intangible Costs	\$367,565	Cum. Tangible Costs
			Previous Day Cum. Cost
			TOTAL DAILY COST
			TOTAL CUM. COST

NOTE: All costs are field estimates only.

\$0
 \$0
 \$2,386,027
 \$367,565
 \$2,753,592

Trucking - Tanks	Supervision	\$3,000		
Trucking - Trailer House	Stuart Frac Stack	\$650		
Trucking - Light Plants	FTR Frac Tanks	\$300		
Trucking - Porta Pots	Acid Tanks			
Trucking - Trash Trailer	Porta Pots	\$60		
Trucking - Manlift	Manlift	\$95		
Trucking - Frac Stack	Light Towers	\$240		
Trucking - Trailer Water	Baker Hughes ClO2	\$0		
Trucking - Zipper Manifold	Baker Hughes Scalesorb	\$0		
	S3 Pumpdown	\$0		
	Renegade	\$0		
	Daily Intangible Costs	\$4,345	Daily Tangible Costs	\$0
	Cum. Intangible Costs	\$4,345	Cum. Tangible Costs	\$0
NOTE: All costs are field estimates only.				
			Previous Day Cum. Cost	\$2,767,937
			TOTAL DAILY COST	\$4,345
			TOTAL CUM. COST	\$2,762,282

