

WELL: Pirate U 13-13 #5

DAILY OPERATIONS			
FIELD:	Shafter Lake (San Andres)	Drilling AFE Number	CX1442
COUNTY/STATE:	Andrews/Texas	Drilling AFE Amount	\$334,450
PTD:	5,200	TOTAL AFE:	\$334,450
LOCATION:			
ELEVATION (RKB):	12		
API #:	42-003-47555		
SERIAL NO:			
SPUD DATE:	10/19/2018		
OBJECTIVE:	Drill wellbore		
JOB NAME:	2018_10 Drill Well		
CONTRACTOR/RIG#:	Savanna/415		

Oct 19 2018	MD:	TVD:	FOOTAGE:	PTD:	5,200
	RIG SUPERVISOR:	Bryan Stringer		PBTD:	
	PRESENT OPERATIONS:	R/U.			
	Held PJSM w/ Hooper. Move rig to Pirate U 13-13 #5 location. Spot equipment & R/U. Install flow line & weld up conductor. Mix hi-vis sweeps for surface hole. Lay out & strap BHA.				
	Job #: 151070				
	ACTIVITY PLANNED:	Spud well. Run & cement surface casing.			
	DAILY JOB COST:	\$103,790	TOTAL JOB COST:	\$103,790	
	TOTAL WELL COST:	\$103,790			
Oct 20 2018	MD: 1,734	TVD: 1,734	FOOTAGE: 1,734	MW: 8.8	LB PTD: 5,200
	RIG SUPERVISOR:	John Sheridan			PBTD:
	PRESENT OPERATIONS:	POOH w/ BHA #1			
	PJSM; M/U 12-1/4" bit, bit sub, 8" DC, & stabilizer & tag at 60'.;Drill ahead F/ 60'-215', (155' at 62 fph); WOB=10Klbs, RPM=60, PP=269psi, Pump rate=269gpm;Drill ahead F/ 215'-568', (353' at 88fph); WOB=20Klbs, RPM=65, PP=699psi, Pump rate=500gpm;Drill ahead F/ 568'-950', (382' at 109fph); WOB=20Klbs, RPM=65, PP=750psi, Pump rate=527gpm, Torque=6900;PJSM; rig service, check oil on floor motor, axon, generator, top drive, & pumps. Service drive line, change out grabber dies.;Drill ahead F/ 950'-1036', (86' at 86fph), WOB=20Klbs, RPM=55, PP=671psi, Pump rate=527gpm, Torque=6787;PJSM; Inclination survey at 993'=1deg;Drill ahead F/ 1036'-1461', (425' at 94fph), WOB=25Klbs, RPM=65, PP=771psi, Pump rate=527gpm, Torque=7232;Drill ahead F/ 1461'-1547', (86' at 57fph), WOB=25Klbs, RPM=65, PP=774psi, Pump rate=527gpm, Torque=7075;PJSM; Inclination survey at 1504'=1.1deg;Drill ahead F/ 1547'-1734', (187' at 94fph); WOB=25Klbs, RPM=55, PP=729psi, Pump rate=527gpm, Torque=6947;PJSM; CCM; Pump sweep 2x & circulate till hole cleans up (heavy cuttings amount). Spot pill on bottom;PJSM; POOH F/ 1734'-1547'				
	Note: Rig accepted 10/19/18; 400hrs				
	ACTIVITY PLANNED:	Finish POOH; Run & Cmt surface csg; N/U & Test wellhead & BOP; Drill out cmt, begin drilling 8-3/4" HS			
	DAILY JOB COST:	\$34,119	TOTAL JOB COST:	\$137,909	
	TOTAL WELL COST:	\$137,909			
Oct 21 2018	MD: 1,734	TVD: 1,734	FOOTAGE:	PTD:	5,200
	RIG SUPERVISOR:	John Sheridan			PBTD:
	PRESENT OPERATIONS:	Waiting on replacement cement pump truck			
	Continue to POOH w/ 12-1/4" bit & BHA #1. Working through tight spots at 1078' & near surface.;Prepare & clean floor for casing operations. PJSM; R/U Lewis casing running tools. Elevators sent to location to large to fit small eyes on rig bails. Decision made per Blackbeard to perform wiper trip due to delay waiting on proper elevators & due to red bed issues when POOH.;Rig service prior to wiper trip, Check oil level on floor motor, pumps, generator, & axon. Service driveline & roughneck;PJSM; M/U BHA w/ 12-1/4" bit, bit sub, 6.5" DC, 9 HWDP. Work & ream through tight spot at surface (+/-95'). Wash & ream through tight spot w/ 10K WOB F/ +/- 1589'-1734'.;PJSM; POOH working through tight spot at 1674';PJSM; Clean floor & R/U Lewis casing running tools.;PJSM; RIH w/ 9-5/8" 36# J-55 LTC casing to +/-1713'. Note: Float collar & 2nd joint of casing were cross threaded when making up & were both laid out. All joints required a stabber in the derrick and thererfore took longer to run. Note: Had to swedge up and wash down at 1517', and the last (4) jts to +/-1713' where the progress stopped.;R/D Lewis casing crew, continue to circulate well;Spot & R/U Propetro cement trucks & lines. Propetro pump truck had motor down (suspected starter). Await arrival of replacement truck, (no starter available). Continue to circulate well & work casing to set at the desired depth at 1725', well unloaded & casing eventually washed down to set at 1725'.				
	ETA of replacement pump truck at 700hrs Lewis casing will be contacted from the field regarding damage to the float collar				
	ACTIVITY PLANNED:	Cement surface casing; N/U & Test wellhead & BOP; DO shoe track; Begin drilling 8-3/4" HS			
	DAILY JOB COST:	\$20,450	TOTAL JOB COST:	\$158,359	
	TOTAL WELL COST:	\$158,359			

WELL: Pirate U 13-13 #5

Oct 22 2018	MD: 1,734	TVD: 1,734	FOOTAGE:	MW: 9.7	LB	PTD: 5,200
	RIG SUPERVISOR:	John Sheridan				PBTD:
	PRESENT OPERATIONS:	D/O cement				
	<p>Continue circulating well while awaiting arrival of replacement pump truck;Spot replacement pump truck; PJSM: M&P 600sx/194bbls of 12.8# Pro-Value C Lead cement at 1.82cuft/sx yield + 5% P-402 + 1/4#/sx P-301 + 2% P-202 & 200sx/57bbls of 13.8# Premium C Tail cement at 1.6cuft/sx yield + 1/4#/sx P-301 1-1/2#/sx P-302 + 2% P-401. Good returns. Stopped displacement 1jt short due to no float collar in the string. 215sx/70bbls cement to surface. R/D Propetro cementers;PJSM; Wash out surface equipment. Remove flow line & fill up line F/ bell nipple. Cut bell nipple from conductor, lift, & cut casing. N/U 11" 3M x 9-5/8" SOW & test void to 1000psi. Change out air boot on flow line dresser sleeve.;PJSM; N/U 11" 3M BOP & install Kill line, Choke line, & HCR. Function test BOP;Cut & Slip 100' drill line;Rig Service; Grease wash pipe, blocks, & draw works. Check oil on floor motor, axon. Change oil on both pumps.;PJSM; R/U Monahans N/U & test 11" 3M BOP choke manifold valves to 250psi low / 1500psi high. Note: had to wait 1.5hr on XO between test plug connection (IF to Savanna DP connection, XH) F/ Monahans N/U to arrive at 19:35. Set plug, once arrived & attempted to test pipe rams (fail); Leak at kill line flange. Tighten flange but still leaked.;PJSM; Removed kill line flange. Cleaned caliche out of ring groove, installed new ring & re-installed flange to resume testing;Completed testing BOPs; Tested 250psi low / 1500psi high, pipe rams, annular, inside and outside 2" KLVs, HCR valve, blind rams, & floor valves. Tested casing to 1000psi for 30min.;PJSM; R/D Monahans N/U tester & prepare to TIH.;PJSM; M/U 8.75" bit #2, mud motor, & MWD. Scribe motor to MWD & orient probe. TIH to 617' & SPT Trueshot tool. Continue to TIH to tag at 1470'.;PJSM; Troubleshoot top drive issue, (will not turn forward), (checked fuses, 37pin, & PLC). Issue resolved at 5:45 (bad connection in joy stick controller on driller's console. Begin drilling cement.</p> <p>1.75 hrs DT/NPT noted for Savanna in the 24hr reporting period</p> <p>ACTIVITY PLANNED: Finish drilling cement; begin drilling production hole</p> <p>DAILY JOB COST: \$59,030 TOTAL JOB COST: \$217,389</p> <p>TOTAL WELL COST: \$217,389</p>					
Oct 23 2018	MD: 3,598	TVD: 3,598	FOOTAGE: 1,864	MW: 9.8	LB	PTD: 5,200
	RIG SUPERVISOR:	John Sheridan				PBTD:
	PRESENT OPERATIONS:	Drilling production hole				
	<p>Drill out cement & shoe track; BOP drill, 3sec to close pipe rams & 46sec for accumulator pressure to stabilize;Drill ahead F/ 1734'-1895', (161' at 64fph); WOB=21Klbs, RPM=70, PP=1600psi, Pump rate=527gpm, Torque=6900;Drill ahead F/ 1895'-2255', (360' at 120fph); WOB=20Klbs, RPM=73, PP=1500psi, Pump rate=510gpm, Torque=7400;Circulate & work pipe while repairing trash pump hose;Drill ahead F/ 2255'-2703', (448' at 112fph); WOB=20Klbs, RPM=65, PP=1600psi, Pump rate=551gpm, Torque=6700</p> <p>Slide: 2618'-2633';PJSM; Rig service; Service drive line wash pipe, floor motor, light plant, and camp generator. Inspect top drive.;Drill ahead F/ 2703'-3002', (299' at 100fph); WOB=22Klbs, RPM=65, PP=1808psi, Pump rate=550gpm, Torque=8621</p> <p>BOP drill; Close annular in 7sec, 26sec to stabilize accumulator pressure;Drill ahead F/ 3002'-3257', (255' at 85fph); WOB=23Klbs, RPM=65, PP=1820psi, Pump rate=550gpm, Torque=7115</p> <p>Slide: 3444'-3056';Drill ahead F/ 3257'-3470', (231' at 71fph); WOB=22Klbs, RPM=65, PP=1880psi, Pump rate=550gpm, Torque=7550</p> <p>Slide: 3385'-3397';Drill ahead F/ 3470'-3598', (128' at 43fph); WOB=22Klbs, PP=1950psi, Pump rate=550gpm, Torque=7850</p> <p>Slide: 3512'-3524'</p> <p>0.5hrs DT/NPT noted for Savanna in the 24hr reporting period</p> <p>ACTIVITY PLANNED: Drill production hole ahead</p> <p>DAILY JOB COST: \$128,380 TOTAL JOB COST: \$345,769</p> <p>TOTAL WELL COST: \$345,769</p>					
Oct 24 2018	MD: 4,917	TVD: 4,917	FOOTAGE: 1,319	MW: 10.1	LB	PTD: 5,200
	RIG SUPERVISOR:	John Sheridan				PBTD:
	PRESENT OPERATIONS:	Drilling production hole				
	<p>Drill ahead F/ 3598'-3725', (127' at 32fph); WOB=25Klbs, RPM=65, PP=1800psi, Pump rate=550gpm, Torque=6600</p> <p>Slide: 3683'-3696';Drilling ahead F/ 3725'-4000', (275' at 69fph), WOB=25Klbs, RPM=65, PP=2020psi, Pump rate=550gpm, Torque=7100;Drill ahead F/ 4000'-4193', (193' at 64fph); WOB=25Klbs, RPM=65, PP=2165psi, Pump rate=550gpm, Torque=7000</p> <p>Slide: 4151'-4161';PJSM; Rig Service; Check oil on floor motor, top drive, generator, mud pumps, grease wash pipe, draw works, service drive line;Drill ahead F/ 4193'-4364', (171' at 57fph); WOB=30Klbs, RPM=65, PP=2127psi, Pump rate=550gpm, Torque=7840;Drill ahead F/ 4364'-4576', (212' at 71fph); WOB=28Klbs, RPM=65, PP=2018psi, Pump rate=550gpm, Torque=8006;Drill ahead F/ 4576'-4789', (213' at 71fph); WOB=28Klbs, RPM=65, PP=1922psi, Pump rate=550gpm, Torque=8550;Drill ahead F/ 4789'-4917', (128' at 43fph); WOB=30Klbs, RPM=65, PP=1927psi, Pump rate=550gpm, Torque=7850</p> <p>H2S drill; Muster in 45sec</p> <p>ACTIVITY PLANNED: Drill to TD; POOH, Case & cement well; N/U & test tbq spool; Prepare to move rig</p> <p>DAILY JOB COST: \$21,131 TOTAL JOB COST: \$366,900</p> <p>TOTAL WELL COST: \$366,900</p>					

WELL: Pirate U 13-13 #5

Oct 25 2018	MD: 5,330	TVD: 5,330	FOOTAGE: 413	MW: 10.1	LB	PTD: 5,200
	RIG SUPERVISOR:	John Sheridan				PBTD:
	PRESENT OPERATIONS:	Preparing for production cement				
	Drill ahead F/ 4917'-5125', (208' at 52fph); WOB=28Klbs, RPM=65, PP=1900psi, Pump rate=527gpm, Torque=7100;Drill ahead F/ 5125'-5330', (205' at 58fph); WOB=28Klbs, RPM=65, PP=1900psi, Pump rate=527gpm, Torque=7900					
	BOP drill, 36sec to close annular, 46sec for accumulator pressure to stabilize;Pump high vis sweep for B/U & fluid caliper, Spot pill on bottom					
	Notice of intent to run & cement production casing to Justice (RRC Operator #16);Rig Service; Grease & inspect top drive, blocks, drive line, rough neck, floor motor, & draw works.;POOH w/ 8-3/4" bit & BHA #2. Note; Had to use tongs due to over torqued drill pipe;PJSM; RIH w/ 7" 23# J-55 LTC to tag at 5314'. Install circulating swedge.;Circulate well through swedge; attempt to wash last 7" jt to bottom, set at +/- 5320'; 10' off bottom.					
	ACTIVITY PLANNED:	Cement production string; N/U & test tubing spool; Jet pits & prepare for rig move				
	DAILY JOB COST:	\$141,039	TOTAL JOB COST:		\$507,939	
	TOTAL WELL COST:	\$507,939				
Oct 26 2018	MD: 5,330	TVD: 5,330	FOOTAGE:			PTD: 5,200
	RIG SUPERVISOR:	John Sheridan				PBTD:
	PRESENT OPERATIONS:	Preparing Savanna 415 drilling package to move				
	PJSM; R/U Propetro cement lines & head. M&P 279sx (140bbls) of 11.6# Pro-Eco C Lead at 2.82cuft/sx yield + 10%P-201 + 10% P-402 + 1/4#/sx P-301 + 2#/sx P-302 + 0.10% P-10 + 0.05% P-104 & 400sx (92bbls) of 14.4# Pro-Eco H Tail at 1.29cuft/sx + 2% P-201 + 10% P-402 + 1/4#/sx P-301 + 0.30% P-10 + 0.25% P-106 + 0.30% P-501 + 0.20% P-202. Moderate circulation, bump plug, No cement to surface. TOC as per lift pressure at 172'. R/U Propetro cementers;N/D BOP Kill & choke lines & HCR valves. Set casing in slips w/ 80% tension. Cut casing & L/O stub. L/O 11" 3M BOP F/ cellar. N/U 11" 3M x 7-1/16" tubing spool & test void to 1500psi.					
	SIMOPS: Jetting pits.;Continue & complete jetting mud pits. R/D pipe tubs, cat walk, & back yard;R/D hydraulic lines on axon. Drain frac tanks. Scope in & L/D derrick;PJSM; Rig service, greased draw works, driveline, service all engines. Inspect top drive. Install new cylinder & spinner on iron roughneck;Continue to R/D lines, hoses, & equipment & preparing Savanna 415 drilling package to move +/-65 miles to SSF B #120.					
	Rig released: 13:30 hrs, 10/25/18					
	Total DT/NPT time for this well: 2.25hrs					
	Total 3rd party DT/NPT for this well: 6.5hrs for Propetro pump truck on surface cement job					
	Notification of intent to spud/case/cement SSF B #120 to Linda (RRC Operator #8)					
	Final Report					
	ACTIVITY PLANNED:	Move Savanna 415 drilling package to SSF B #120; R/U & prepare to drill.				
	DAILY JOB COST:	\$36,851	TOTAL JOB COST:		\$544,790	
	TOTAL WELL COST:	\$544,790				