

DAILY OPERATIONS			
FIELD:	Shafter Lake (San Andres)	Drilling AFE Number	CX1440
COUNTY/STATE:	Andrews/Texas	TOTAL AFE:	\$0
PTD:	5,000		
LOCATION:			
ELEVATION (RKB):	12		
API #:	42-003-47540		
SERIAL NO:			
SPUD DATE:	Aug 30 2017		
OBJECTIVE:	Drill a San Andres Producer		
JOB NAME:	2017_08		
CONTRACTOR/RIG#:	Savana/415		

Aug 31 2017	MD: 462	TVD: 462	FOOTAGE: 462	PTD: 5,000	
	RIG SUPERVISOR:	RANDY T. DONALD, Sr.		PBTD:	
	PRESENT OPERATIONS:	DRLG @ 462' RPM-70; G9M-380; WOB-12K LBS.			
	WAIT ON DAYLIGHT. FINISH R/D. SCOPE- IN DOG HOUSE. LAY OVER MAST. R/D HYDRAULICS. INSPECT RIG COMPONENTS FOR 74 MILE RIG MOVE.				
	NOTE: I NOTIFIED THE TEXAS RAILROAD COMMISSION [TXRRC] DISTRICT 8 OFFICE IN MIDLAND OF THE INTENT TO SPUD PIRATE "U" 13-13 WELL #3 BY 2000 HRS 8/30/2017. I SPOKE W/ OPERATOR # 2 AUDREY.				
	NOTE: DURING THE RIG MOVE INTO PIRATE "U" 13-13 WELL # 3; A TXRRC FIELD INSPECTOR DROVE ONTO THE WELL # 5 DRLG PAD. I INTRODUCED MYSELF; HE EXAMINED MY GAU LETTER. WE EXCHANGED PLEASANTRIES , THEN HE DROVE AWAY. HIS NAME WAS AL PENNA` .;HELD PRE-JOB SAFETY MTG W/ RIG CREW & HEAVY HAUL RIG MOVERS.;MOVE SAVANNA DRLG RIG # 415 F/ MONAHANS NORTH FIELD VIC. KERMIT, TEXAS T/ SHAFTER LAKE FIELD VIC. ANDREWS TEXAS [ONE WAY 74 MILES].;SPOT MATS, PITS, GENERATORS HOUSE, AXION HOUSE, CAMP GENERATOR, WATER TANKS, FUEL TANK, MUD PUMPS, & MUD PITS. CENTER & LEVEL MAST OVER CONDUCTOR. RAISE MAST & SCOPE UP.;SCOPE UP DOGHOUSE. CONNECT ELECTRICAL, HYDRAULIC, AIR, MUD, & WATER LINES.;R/U BACKYARD. WELD ON EXTENSION TO 14" CONDUCTOR. & CONNECT FLOWLINE.				
	SAVANNA DRILLING RIG # 415 ACCEPTED BY BLACKBEARD OPERATING TO DRILL THE PIRATE "U" 13-13 WELL # 3.;FILL MUD PITS W/ FRESH WATER. AIR OUT BOTH MUD PUMPS. BUILT SPUD MUD.;M/U PDC BIT, BIT SUB, 8* PONY DRILL COLLAR, ONE 11" ROLLER REAMER. FOUR 8" DRILL COLLARS, X-OVER SUB. EIGHT 8" DRILL COLLARS, & TEN 4.5" HWDP JTS. FOR BHA #1.				
	DRLD F/ 50' T/ 245'. (195') WOB-15 K LBS, RPM-60, GPM-260, PP: 500 PSI ON BTM, 300 PSI OFF BTM.;DRLD F/ 50' T/ 226'. BUILT VOLUME IN MUD PITS & MIXED A LCM HIGH VISCOSITY PILL .LOST RETURNS;DRLD F/ 245' T' 325' (80') WOB-15 K LBS, RPM-60, SPM-105 GPM-305,PP:525 PSI ON BTM. 300 PSI OFF BTM. LOST RETURNS;LOST RETURNS @ 325'. BUILT VOLUME IN MUD PITS & MIXED A LCM HIGH VIS PILL .;DRLD F/ 325' T' 476' (151') WOB-15 K LBS, RPM-60, SPM-105, GPM-305, PP: 523 PSI ON BTM. 300 PSI OFF BTM. TQ- 5000 FT-LBS.				
	ACTIVITY PLANNED:	DRILL 11" SRF HOLE T/ 1750'+. POOH. RUN & CMT 8 5/8"24 PPF J-55 STC CSG.			
	DAILY JOB COST:	\$151,353	TOTAL JOB COST:	\$151,353	
	TOTAL WELL COST:	\$151,353			
Sep 1 2017	MD: 1,750	TVD: 1,750	FOOTAGE: 1,288	MW: 8.5	LB PTD: 5,000
	RIG SUPERVISOR:	John Sheridan		PBTD:	
	PRESENT OPERATIONS:	N/U Starter head			
	Drill ahead F/ 476'-538'; WOB=10Klbs, RPM=65, PP=344psi, 398GPM, Torq=7300;Lost circulation; Pump LCM sweep & re-establish circulation. Pump B/U;L/O jt; Inclination survey at 508'=0.6deg;Drill ahead F/ 538'-821'; WOB=11Klbs, RPM=75, PP=785psi, 610GPM, Torq=8100; Backreaming each connection for hole cleaning;L/O jt; Inclination survey at 778'=0.2deg;Drill ahead F/ 821'-1423'; WOB=15Klbs, RPM=85,690 GPM, Torq=8900; Backream each connection for hole cleaning;L/O jt; Inclination survey at 1380'=0.1deg;Drill ahead F/ 1423'-1509'; WOB=15Klbs, RPM=85, PP=1215psi, 690GPM, Torq=9000;Drill ahead F/ 1509'-1750'; WOB=17Klbs, RPM=75, PP=1900psi, 680GPM, Torq=6300;Pump sweep B/U & Spot pill on bottom. Drop single shot;POOH w/ 11" bit & BHA #1				
	Notification of intent to run & cmt surface casing to Sandy RRC Operator #5;PJSM; R/U Smith casing running tools. RIH w/ 8-5/8" 24# J-55 STC. for first 10jts to +/-424'. Install swedge & wash down jts 11-24 to +/-1015'. Casing progress slowed by red bed, no overpull while P/U.				
	ACTIVITY PLANNED:	N/U & Test BOPs / M/U production hole BHA; Drill out shoe track & new formation			
	DAILY JOB COST:	\$32,713	TOTAL JOB COST:	\$184,066	
	TOTAL WELL COST:	\$184,066			

WELL: Pirate U 13-13 #3

Sep 2 2017	MD: 1,750	TVD: 1,750	FOOTAGE:	PTD: 5,000
	RIG SUPERVISOR: John Sheridan			PBTD:
	PRESENT OPERATIONS: Drill out shoe track			
	Continue to RIH w/ 8-5/8" 24# J-55 STC casing, Pump / work down casing jts 26-29. Add rig wash soap to pits and pump 40bbls soap pill. RIH w/ remaining casing to +/-1730' filling casing every 4th jt & installing swedge on every jt. if needed. Prepared pit w/ (8) MF-55 sweep to aid running casing. Pump partial sweep to aid getting casing to set at 1745';CCM through swedge while R/D Smith casing running tools. Spot Propetro cement trucks & R/U cement lines & head;M&P 550sx (181bbls) of 12.8# Pro-Value C Lead cement at 1.85cuft/sx yield + 5% Salt + 1/4#/sx Flocele + 2% Extender & 225sx (64bbls) of 13.8# Premium C Tail at 1.6cuft/sx yield + 1/4#/sx Flocele + 1.5#/sx Kolseal + 2% Accelerator. 245sx/81bbls cement to surface, good rtns during job, CIP at 12:43. R/D Propetro cement lines & head.;Get csg out of slips; Clean out cellar & remove 8" collars & damaged csg from catwalk. Put new BHA components on catwalk. Cut bell nipple F/ conductor, cut surface casing. L/O bell nipple & casing stub. N/U 11" 3M x 8-5/8" SOW & test void to 800psi.;N/U 11" 3M BOP stack. Install kill, choke, & HCR valves			
	Note: 8/31 Kinney Inc hauled (4) brine load & (7) FW loads;Function test BOPs;PJSM w/ Monahan's N/U Service. Test choke manifold vales, inside and outside valves, kill line inside and outside valves, blind rams, pipe rams and annular to 250psi low / 1500psi high. Test casing to 1000psi for 30 min.;Slip & cut drilling line;M/U 7-7/8" Caprock bit, motor. Change out UBHO sub. Install directional probe & scribe / orient directional collar to motor highside. TIH & test directional tools. Tag at 1679';Drill out cement & shoe track			
	ACTIVITY PLANNED: Drill out production hole			
	DAILY JOB COST: \$82,692		TOTAL JOB COST: \$266,758	
	TOTAL WELL COST: \$266,758			
Sep 3 2017	MD: 3,574	TVD: 3,574	FOOTAGE: 1,824	MW: 9.8 LB PTD: 5,000
	RIG SUPERVISOR: John Sheridan			PBTD:
	PRESENT OPERATIONS: Drill production hole			
	Continue to drill out cement & shoe track;Drill ahead F/ 1750'-1854'; WOB=12Klbs, RPM=50, PP=1100psi, 485GPM (reduced parameters till both reamers were out of the casing.;Drill ahead F/ 1854'-2135'; WOB=20Klbs, RPM=70, PP=1798psi, 605GPM, Torq=5100;Drill ahead F/ 2135'-2541'; WOB=20Klbs, RPM=70, PP=2039psi, 615GPM, Torq=5700 Slides: 2415'-2430';Drill ahead F/ 2541'-2950'; WOB=18Klbs, RPM=75, PP=2050psi, 615GPM, Torq=5300;Drill ahead F/ 2950'-3305'; WOB=18Klbs, RPM=75, PP=2279psi, 615GPM, Torq=5300;Drilling ahead F/ 3305'-3574'; WOB=20Klbs, RPM=75, 615GPM, Torq=5300 Slides: 2631'-2641' / 2887'-2897'			
	ACTIVITY PLANNED: TD production hole / CCM / POOH / RIH w/ production casing			
	DAILY JOB COST: \$22,499		TOTAL JOB COST: \$289,257	
	TOTAL WELL COST: \$289,257			
Sep 4 2017	MD: 5,034	TVD: 5,034	FOOTAGE: 1,460	MW: 9.9 LB PTD: 5,000
	RIG SUPERVISOR: John Sheridan			PBTD:
	PRESENT OPERATIONS: R/U casing running tools			
	Drill ahead F/ 3574'-4005'; WOB=25Klbs, RPM=75, PP=2415psi, 630GPM, Torq=5850;Drill ahead F/ 4005'-4306'; WOB=25Klbs, RPM=75, PP=2465psi, 620GPM, Torq=5440;Drill ahead F/ 4306'-4565'; WOB=25Klbs, RPM=75, PP=2470psi, Torq=5700;Rig service; Change oil in floor mtr, Adjust link tilt;Drill ahead F/ 4565'-4905'; WOB=26Klbs, RPM=75, PP=2648psi, 615GPM, Torq= 6000;Drill ahead F/ 4905'-5034' TD; WOB=27Klbs, RPM=75, PP=2675psi, 615GPM, Torq=6550;CCM; Pump sweep surface to surface, perform fluid caliper, spot pill on btm;POOH w/ BHA & 7-7/8" bit to run casing. Note: Notice of intent to run & cement production casing given to Raynee RRC operator #8.;Clean & prep floor to RIH w/ casing. PJSM, R/U Smith casing running tools.			
	ACTIVITY PLANNED: RIH & Cmt production csg / N/U wellhead / Prepare to move rig			
	DAILY JOB COST: \$31,834		TOTAL JOB COST: \$321,091	
	TOTAL WELL COST: \$321,091			
Sep 5 2017	MD: 5,034	TVD: 5,034	FOOTAGE:	MW: 10.0 LB PTD: 5,000
	RIG SUPERVISOR: John Sheridan			PBTD:
	PRESENT OPERATIONS: Prepare to move drilling package to Pirate U 13-13 #4			
	PJSM; R/U Smith casing running tools.;RIH w/ 1328' of 5-1/2" 17# K-55 LTC csg. Had to utilize hoist & strap to lift up casing so that side door elevators could latch while center latch elevators were enroute. Change out elevators for center latch at 09:30hrs. Complete RIH w/ csg to set at 5029'.;R/D Smith csg tools; install swedge & CCM thru csg;Circulate B/U; Spot Propetro trucks;PJSM w/ Propetro cements; M&P 325sx (163bbls) of 11.6# Pro-Eco C Lead at 2.82cuft/sx yield + 10% Gel + 10% Salt + 1/4#/sx Flocele + 2#/sx Kolseal + .1% P-10 & 475sx (109bbls) of 14.4# Pro-Eco H Tail at 1.29cuft/sx yield + 2% Gel + 10% Salt + 1/4#/sx Flocele + .3% P-10 + .2% CFL-160 + .3% P-503 + .2% Extender. Good rtns, bump plug, CIP at 14:57, 91sx/46bbls cmt to surface.;N/D 11" 3M BOP stack; remove flex line, kill line, HCR & kill valves & lift stack;Set csg in slips w/ 80% tension. Cut casing & L/O stub. L/O BOP stack;N/U 11" 3M x 7-1/16" 5M tubing spool & test void to 1500psi (ok) Note: Rig released at 1800hrs; 9/4/17 / Note: Notice of intent to spud, run & cmt surface casing on Pirate U 13-13 #4 to Audry RRC Operator #2, 1900hrs, 9/4/17;R/D Savanna 415 drilling package and prepare to move to Pirate U 13-13 #4.			
	Final Report			
	ACTIVITY PLANNED: MIRU / Spud / Drill surface hole			
	DAILY JOB COST: \$88,624		TOTAL JOB COST: \$409,715	
	TOTAL WELL COST: \$409,715			