

WELL: UL Rock of Ages 3922-17 1H

Felix Energy II			
DAILY OPERATIONS			
FIELD:	Phantom (Wolfcamp)	Drilling AFE Number	424750021D
COUNTY/STATE:	Ward/TX	Drilling AFE Amount	\$3,244,753
PTD:		Completion AFE Number	424750021D
LOCATION:	S43 BL18 UL/U122	Completion AFE Amount	\$5,779,904
ELEVATION (RKB):	2,644	Facilities AFE Number	424750021D
API #:	42475371070000	Facilities AFE Amount	\$253,500
SERIAL NO:		TOTAL AFE:	\$9,278,157
SPUD DATE:	Jul 8 2016		
OBJECTIVE:	Wolfcamp A		
JOB NAME:	Drill Initial		
CONTRACTOR/RIG#:	Pioneer/Pioneer 79		

Jul 1 2016	MD: 40	TVD: 40	FOOTAGE: 40	PTD:	
	RIG SUPERVISOR:	Dewayne Wilkerson	PBTD:		
	PRESENT OPERATIONS:	Finish drilling conductor, Moved in and rig up spud rig to drill surface hole			
	Drilled and set conductor and mouse hole pipe @ 40' cement back to top, weld safety plate over both joints.;Move in and rig up Charger's spud rig on Rock Of Ages, Set Frac tanks for water to drill with, set Schlumberger cement. Set rig beams over cellar and rig up to start spud. Had issues with rig engine after rigging up worked on the problem from 3:00 to 6:00, should be ready to drill Surface Hole				
	ACTIVITY PLANNED:	Run surface casing and cement, start rigging up Pioneer Rig 79			
	DAILY JOB COST:	\$137,050	TOTAL JOB COST:	\$137,050	
	TOTAL WELL COST:	\$137,050			
Jul 2 2016	MD: 977	TVD: 977	FOOTAGE: 937	MW: 9.6	LB PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson	PBTD:		
	PRESENT OPERATIONS:	Spud Surface Hole @ 6:00 Drill f/ 40' t/ 977' TD Surface Hole @ 19:00, Circulate to drop mud weight for casing run, Laydown drill string to run 13 3/8 casing string, Make up shoe and float run casing			
	Rotate and Drill Surface Hole w/ Spud rig, Drill f/ 40' t/ 977', Rpm 85, WOB 20, GPM 450. Made some clean up cycles while drilling to lower mud weight and vis. Avg Rop 80 ft/hr;Mud weight still up, change out with some fresh water to keep returns before laying down to run casing.;Laydown drill string to pick up 13 3/8" casing string, keeping hole full on trip out.;Pick up and run 13 3/8" casing string and cement w/ Schlumberger cement company make sure cement is back to surface				
	ACTIVITY PLANNED:	Install well head and Rig up Pioneer 79			
	DAILY JOB COST:	\$20,550	TOTAL JOB COST:	\$157,600	
	TOTAL WELL COST:	\$157,600			
Jul 3 2016	MD: 977	TVD: 977	FOOTAGE:	MW: 9.6	LB PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson	PBTD:		
	PRESENT OPERATIONS:	Finish cement, WOC, Weld on tubing head, Continue moving camps, Move spud rig off location and begin setting in Pioneer 79			
	Casing shoe set 974 with FC set at 927, Rig up and PJSM with SLB and Charger, Pump surface cement as follows: Pump 20bbls spacer followed by 540 sks lead class C with additives(171bbls), 267 tail class C with additives(80 bbls) with full returns @ 6bbls/min, drop plug and displace with water 143 bbls @ 6.5 bbls/min slowing to 2 bbls /min last 10 bbls, bumped plug held 500 psi over lift, check floats .5 bbls back "OK". Total 35 bbls good cement back to surface, no losses. Shut in cement head, RD SLB and WOC;Rig down charger while WOC.;Cut conductor, dress casing and weld on well head, test and verify with GE tech.;Wait on daylight.				
	ACTIVITY PLANNED:	set in place Pioneer 79			
	DAILY JOB COST:	\$142,155	TOTAL JOB COST:	\$299,755	
	TOTAL WELL COST:	\$299,755			
Jul 4 2016	MD:	TVD:	FOOTAGE:	MW: 9.6	LB PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson	PBTD:		
	PRESENT OPERATIONS:	Begin setting mud pits and back yard, Cranes on location at 10 am, Continue MIRU			
	Begin setting mud pits,back yard, gen sets, subs. Cranes on location at 10 am, Continue MIRU;While pinning the derrick, miscommunication occurred between the 2 crane operators causing derrick crown section to hit cab of 1 crane. No injuries. Derrick pad eyes need to be inspected and repaired before rig up work can continue. Continue working on misc RU, while making repairs.				
	ACTIVITY PLANNED:	Building Stack configuration, Setting all solid control equipment in place, Continue to MIRU			
	DAILY JOB COST:	\$58,711	TOTAL JOB COST:	\$358,466	
	TOTAL WELL COST:	\$358,466			

WELL: UL Rock of Ages 3922-17 1H

Jul 5 2016	MD: 977 RIG SUPERVISOR: PRESENT OPERATIONS:  Wait on replacement crane. Rig down damaged crane. 2 Cranes on location rigged up at 11:00. Raise sub, derrick and dress out top drive, rig floor and back yard  Wait on replacement crane. Rig down damaged crane. 2 cranes on location rigged up at 11:00;Pin derrick and prep to raise. Raise derrick@ 16:00, Raise subs and dress out rig floor, continue RU Begin spotting in third party back equipment ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 977  Dewayne Wilkerson  Wait on replacement crane. Rig down damaged crane. 2 Cranes on location rigged up at 11:00. Raise sub, derrick and dress out top drive, rig floor and back yard  Wait on replacement crane. Rig down damaged crane. 2 cranes on location rigged up at 11:00;Pin derrick and prep to raise. Raise derrick@ 16:00, Raise subs and dress out rig floor, continue RU Begin spotting in third party back equipment Build BOP Stack \$173,025 \$531,491	FOOTAGE:	MW: 9.6	LB	PTD: PBTD:  \$531,491
Jul 6 2016	MD: 977 RIG SUPERVISOR: PRESENT OPERATIONS:  Continue rigging up.  Work with welder on drying shaker, set premix tank and bar bulk tanks. Work on choke setup on flow line, dress out mud holding tank farm. Nipple up BOP stack;Set block on shipping pins, unspool drum to change out brake pads on draw works, work with welder on flow line and cutting tanks. Rig up drilling choke and flair line from gas buster. ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 977  Dewayne Wilkerson  Continue rigging up.  Work with welder on drying shaker, set premix tank and bar bulk tanks. Work on choke setup on flow line, dress out mud holding tank farm. Nipple up BOP stack;Set block on shipping pins, unspool drum to change out brake pads on draw works, work with welder on flow line and cutting tanks. Rig up drilling choke and flair line from gas buster. Hold Spud Meeting On Location \$35,888 \$567,379	FOOTAGE:	MW: 9.6	LB	PTD: PBTD:  \$567,379
Jul 7 2016	MD: 977 RIG SUPERVISOR: PRESENT OPERATIONS:  Rig up mud bucket and fill up lines. Check top drive service loop and mud pump caps.Hold spud meeting with all third party guys that will be work on the project and Pioneer Drilling Company  Work with welder on flow line flanges, rig up cutting tank. Remove desander & desilter from mud tanks not using and makes more room. Rig up mud bucket and fill up lines. Check top drive service loop and mud pump caps.;Hold spud meeting with all third party guys that will be work on the project and Pioneer Drilling Company. Covered and lot of good point on different sections of the well bore, talked on safety and made sure everyone was on the same page.;Finish putting backyard hoses on to pump and check rotation, wait on brake pads from Oklahoma on hotshot. ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 977  Dewayne Wilkerson  Rig up mud bucket and fill up lines. Check top drive service loop and mud pump caps.Hold spud meeting with all third party guys that will be work on the project and Pioneer Drilling Company  Work with welder on flow line flanges, rig up cutting tank. Remove desander & desilter from mud tanks not using and makes more room. Rig up mud bucket and fill up lines. Check top drive service loop and mud pump caps.;Hold spud meeting with all third party guys that will be work on the project and Pioneer Drilling Company. Covered and lot of good point on different sections of the well bore, talked on safety and made sure everyone was on the same page.;Finish putting backyard hoses on to pump and check rotation, wait on brake pads from Oklahoma on hotshot. Finish brakes on draw works, Fill mud tanks with braine water, Strap Directional tools and HWDP \$28,085 \$595,464	FOOTAGE:	MW: 9.6	LB	PTD: PBTD:  \$595,464
Jul 8 2016	MD: 977 RIG SUPERVISOR: PRESENT OPERATIONS:  Finish rig up. Accept rig at 1500 hrs 7/7/16. Test BOPE. MU BHA. PU 5" DP Install front caliper with brake pads on off drillers side burn brakes in, attempt to preform brake capacity test = 380, , test failed, clean brake rotors multiple times, preformed brake capacity test = 605 passed;Accepted rig @ 1500 hrs. on 7-7-16 Modify flow line install orbit valve and drilling choke with welder, rig up turn buckles and fill up line;Rig up tester & test choke manifold, top, bottom & blind rams to 250 psi low & 5,000 psi high, test annular preventer to 250 psi low & 3,500 psi high, test inside bop, fosv & lines back to pumps to 250 psi low & 5,000 psi high . Rig down testing equipment;Install wear bushing;Pick up 5" HWDP racking back in derrick ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 977  Dewayne Wilkerson  Finish rig up. Accept rig at 1500 hrs 7/7/16. Test BOPE. MU BHA. PU 5" DP Install front caliper with brake pads on off drillers side burn brakes in, attempt to preform brake capacity test = 380, , test failed, clean brake rotors multiple times, preformed brake capacity test = 605 passed;Accepted rig @ 1500 hrs. on 7-7-16 Modify flow line install orbit valve and drilling choke with welder, rig up turn buckles and fill up line;Rig up tester & test choke manifold, top, bottom & blind rams to 250 psi low & 5,000 psi high, test annular preventer to 250 psi low & 3,500 psi high, test inside bop, fosv & lines back to pumps to 250 psi low & 5,000 psi high . Rig down testing equipment;Install wear bushing;Pick up 5" HWDP racking back in derrick TIH. Drill out of surface casing. FIT. DA in 1st intermediate section. \$38,418 \$633,882	FOOTAGE:	MW: 10.1	LB	PTD: PBTD:  \$633,882
Jul 9 2016	MD: 3,060 RIG SUPERVISOR: PRESENT OPERATIONS:  Pick up BHA and Directional tools, Drill Float Equipment, Fit Test, Drill F/ 977' T/3060'  Pick up 55 jts of HWDP Rack back in derrick. Pick up 6.5" Drill Collars and 8" Drill Collars;Pick up Power-V tool, Mud Motor, Bit, Filter Sub, X/O, Stabs and NMDC. Test all tools with Schlumberger Directional hands.;Displace brine water for good test, Test casing to 1500 psi hold for 20 min;Drilled float Shoe trac and shoe from 928' to 971' 20 Rpm, 15-25 Wob, 300-400 Gpm. Rubber was spinning we will run lock down rubbers next time.;Drill 12.25 Vertical hole F/ 977' T/ 987' Perform FIT EMW= 11 PPG hold for 15min Test Good;Drill 12.25 Vertical hole F/ 977' T/ 1139';Service rig & top drive;Drill 12.25 Vertical hole F/ 1139' T/2096';Drill 12.25 Vertical hole @ reduced rate due to changing swab in mud pump F/ 2096' T/2108';Drill 12.25 Vertical hole F/2108' T/3060' ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 3,058  Dewayne Wilkerson  Pick up BHA and Directional tools, Drill Float Equipment, Fit Test, Drill F/ 977' T/3060'  Pick up 55 jts of HWDP Rack back in derrick. Pick up 6.5" Drill Collars and 8" Drill Collars;Pick up Power-V tool, Mud Motor, Bit, Filter Sub, X/O, Stabs and NMDC. Test all tools with Schlumberger Directional hands.;Displace brine water for good test, Test casing to 1500 psi hold for 20 min;Drilled float Shoe trac and shoe from 928' to 971' 20 Rpm, 15-25 Wob, 300-400 Gpm. Rubber was spinning we will run lock down rubbers next time.;Drill 12.25 Vertical hole F/ 977' T/ 987' Perform FIT EMW= 11 PPG hold for 15min Test Good;Drill 12.25 Vertical hole F/ 977' T/ 1139';Service rig & top drive;Drill 12.25 Vertical hole F/ 1139' T/2096';Drill 12.25 Vertical hole @ reduced rate due to changing swab in mud pump F/ 2096' T/2108';Drill 12.25 Vertical hole F/2108' T/3060' Drill ahead to casing point \$93,112 \$726,994	FOOTAGE:	MW: 9.8	LB	PTD: PBTD:  \$726,994
Jul 10 2016	MD: 5,065 RIG SUPERVISOR: PRESENT OPERATIONS:  Drill 12 1/4" Hole F/ 3060' T/ 4051', Rig Service, Drill 12 1/4" Hole F/ 4051' T/5065', Circulate two 40 bbl. sweeps around to clean well bore  Drill 12 1/4" Vertical Section F/3060' T/4051' Gpm 750, Rpm 75, Diff Psi 700, Wob 40;Service Rigs Top Drive, ST-80, Catwalk and all moving parts. Trip crown stop and check brakes.;Drill 12 1/4" Vertical Section F/4051' T/4240' Gpm 750, Rpm 75, Diff Psi 700, Wob 40;Pull trip nipple and install rotating head;Drill 12 1/4" Vertical Section F/4230' T/5065' Gpm 750, Rpm 75, Diff Psi 700, Wob 40;Circulate two 40 bbl. hi-vis sweeps around to clean tho well bore ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 5,063  Dewayne Wilkerson  Drill 12 1/4" Hole F/ 3060' T/ 4051', Rig Service, Drill 12 1/4" Hole F/ 4051' T/5065', Circulate two 40 bbl. sweeps around to clean well bore  Drill 12 1/4" Vertical Section F/3060' T/4051' Gpm 750, Rpm 75, Diff Psi 700, Wob 40;Service Rigs Top Drive, ST-80, Catwalk and all moving parts. Trip crown stop and check brakes.;Drill 12 1/4" Vertical Section F/4051' T/4240' Gpm 750, Rpm 75, Diff Psi 700, Wob 40;Pull trip nipple and install rotating head;Drill 12 1/4" Vertical Section F/4230' T/5065' Gpm 750, Rpm 75, Diff Psi 700, Wob 40;Circulate two 40 bbl. hi-vis sweeps around to clean tho well bore Displace, pooh, run 10 3/4" casing, cement casing \$90,832 \$817,826	FOOTAGE:	MW: 10.2	LB	PTD: PBTD:  \$817,826

WELL: UL Rock of Ages 3922-17 1H

Jul 11 2016	MD: 5,065 RIG SUPERVISOR: PRESENT OPERATIONS:  Circulate Hole with 10.1 Brine Water to Clean Hole For Casing Run.;TOH 5 Stands and Preformed Flow Check, Well Was Flowing Saltwater, Trip Back To Bottom to Work On The Problem.;Circulate Hole and Check Mud Weight In/Out, Shut Pumps Down and Still Had Flow, Contacted Production Hand and Was Told That He Turned SWD Pump Back On Because Other SWD Was Down. We Had Him Turn Pump Back Off and Saltwater Flow Stopped.;TOH For Wiper Trip, No Drag, No Flow and Filled Hole Every 5 Stands;TIH With Drill String After Wiper Trip To Shoe, Mix Sweep and Slug;Pump Vis Sweep To Clean Hole After Wiper Trip. TOH and Run Casing String;TOH To Run 10 3/4" Casing String F/ 5065' to 4061';Pull rotating head and install trip nipple;TOH F/ 4061', L/D 8" Drill Collars and Directional Tool.;Pull wear bushing;Rig up casing equipment and held pre-job safety meeting with all involved;Make up shoe track 10-3/4", 45.5 lb/ft, J-55, BTC and attempt to run through well head, collars hanging up on well head, working through well head, check float equipment (ok);Cont. running 10-3/4", 45.5 lb/ft, J-55 BTC F/ 87' to 929';Rig up CRT;Cont. running 10-3/4", 45.5 lb/ft, J-55, BTC F/929' to 3000 '  ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 5,065  Dewayne Wilkerson  TOH For Wiper Trip, Encountered Saltwater Flow, Trip Back To Bottom CBU x3, SWD Shut Down & Flow Stopped, Wiper Trip, TOH To Run 10-3/4" Casing  Drill 9-7/8" Vertical Section W/ 9.2+ Cut Brine \$51,486 \$869,312	FOOTAGE: 10.1      TOTAL JOB COST:	MW: 10.1      \$869,312	LB PTD:  PBTD:
Jul 12 2016	MD: 5,309 RIG SUPERVISOR: PRESENT OPERATIONS:  Run 10-3/4" csg, cement same, Clean Mud Tanks, Fill Mud Tanks W/ 9.2 Cut Brine Water, PU Vertical #2 Directional Assembly, TIH, Test Csg, Drill shoe track + 10', FIT, Drill to 5,309'  Run 10-3/4" Casing String F/ 2,783' T/ 5,016';P/U Landing Joint, Attempt To Wash To Bottom, Hole Trying To Pack Off, Worked Pipe To Regain Circulation. Set Casing Hanger, Drain Stack To See Set Indication Line. All Good.;Circulate Hole Clean Before Cementing.;JSA And Hold Safety Meeting On Rigging Down Casing Crew, CRT;JSA S/M, R/U Cement Crew To Pump, Test Lines T/ 3000 psi, Pump 20 bbls Of Fresh Water, Pump 191 bbls Of Lead CMT @ 12.6 ppg, Pump 34 bbls Of Tail CMT @ 14.2 ppg, Drop Plug And Displaced 477 bbls. Bumped Plug, Hold 500 psi 5min, Test Good, Rig Down Cement Head, L/D Landing Joint, Bells And Elevators;Clean Mud Tanks And Haul Off Dirty Mud, Fill Mud Tanks With 9.2 Brine Water For Drill Out, Change Shaker Screens To 200 API For Weight Control.;Install wear bushing;P/U Directional BHA;TIH, pull trip nipple and install rotating head, cont. TIH to 4,930';Fill pipe, break circulation, preform casing test to 1500 psi;Drill float, shoe track and shoe;Drill 10' of new hole from 5,065' to 5,075', Circulate and preform FIT @ 11 ppg;Drill f/ 5,075' to 5,309' = 234' @ 117 fph, 535 GPM, 700 diff  ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 5,307  Dewayne Wilkerson  Run 10-3/4" csg, cement same, Clean Mud Tanks, Fill Mud Tanks W/ 9.2 Cut Brine Water, PU Vertical #2 Directional Assembly, TIH, Test Csg, Drill shoe track + 10', FIT, Drill to 5,309'  Drill 9-7/8" Vertical Section From 5,309' \$191,593 \$1,060,905	FOOTAGE: 244      TOTAL JOB COST:	MW: 9.0      \$1,060,905	LB PTD:  PBTD:
Jul 13 2016	MD: 7,713 RIG SUPERVISOR: PRESENT OPERATIONS:  Drilling 9-7/8" Vertical Section F/ 5,309' T/ 6,849', Service Rig, Drilling 9-7/8" Vertical Section F/ 6,849' T/7,713'  Drilling 9-7/8" Vertical Section F/ 5,309' T/ 6,849' Rpm 45, Gpm 550, Diff Psi 800, Wob 28;Service Rigs Draw Works, ST-80, Catwalk And Top Drive. Trip Crown Stop And Perform Safety Check On Brakes.;Drilling 9-7/8" Vertical Section F/ 6,849' T/ 7,713' Rpm 45, Gpm 550, Diff Psi 800, Wob 28  ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 7,623  Dewayne Wilkerson  Drilling 9-7/8" Vertical Section F/ 5,309' T/ 6,849', Service Rig, Drilling 9-7/8" Vertical Section F/ 6,849' T/7,713'  Drill 9-7/8" Vertical Hole \$96,837 \$1,157,742	FOOTAGE: 2,404      TOTAL JOB COST:	MW: 9.4      \$1,157,742	LB PTD:  PBTD:
Jul 14 2016	MD: 8,010 RIG SUPERVISOR: PRESENT OPERATIONS:  Drill Vertical Section F/ 7,713' T/ 8,010', Circulate With Weighted Mud To Stop Flow Issues, TOH For Bit Trip Check Motor and Power Drive.  Drill Vertical Section F/ 7,713' T/ 8,010' Gpm 550, Rpm 45, Diff Psi. 650, Wob 38;Circulate While Building Slug For Trip, Shut Pumps Down Had 4" Flow Back To Trip Tank, Shut Well In And Had 400 Psi On Back Side, Shut Down To Come Up With A Solution, Started Weighting The Mud System Up From 9.4 To 9.7. Got The Desired Mud Weight All The Way Around. Shut Pumps Down After 2x B/U. It Continued To Flow At The Same Rate. Build A 11.2 ppg Slug @ 50 bbls Pumped Down The Kill Line Trying To Bull Head and Set @ 3,500' Inside Casing. Pressure Stayed At 400 psi. Never Broke Down. Shut Down Pumps and Still Had The Same Flow. Build 12.2 ppg MW. Pumped It Through Drill String and Spotted It Back Up To 4,000' Inside Casing. Check Flow and It Held. Started Pulling Pipe For Bit Trip Monitor Flow And Fill On Trip.;Trip Of Hole F/8,010' T/BHA While Monitoring Proper Fill Every Five Stands  ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 8,010  Dewayne Wilkerson  Drill Vertical Section F/ 7,713' T/ 8,010', Circulate With Weighted Mud To Stop Flow Issues, TOH For Bit Trip Check Motor and Power Drive.  TIH, Drill Ahead In Vertical Section F/ 8,010' \$33,700 \$1,191,442	FOOTAGE: 297      TOTAL JOB COST:	MW: 9.5      \$1,191,442	LB PTD:  PBTD:
Jul 15 2016	MD: 8,560 RIG SUPERVISOR: PRESENT OPERATIONS:  TIH to 3,200', Rig Service, Cut Drill Line, TIH to 7,302', Hit Bridge, Circ Free Pipe, Circ B/U and Clean Hole, Trip To Bottom, Drilling Vertical Section F/8010 T/8560  TIH to 373', Install Rotating Head, TIH to 3,266';Service Rig;Cut 94' Of Drill Line;Start To TIH, Rotating Head Element Was Leaking; Stopped And Changed Element Out;TIH to 7,303', Hit Bridge, Tried To Pump but Hole Was Packed Off, Worked Pipe, Got Free And Regained Returns;Circ B/U To Clean Hole And Wash To Bottom, 10' Flare On B/U;Drilling 9 -7/8" Vertical Section F/ 8,010' - 8,560' = 550', ROP 45.8, RPM 45, Gpm 550, Diff Psi 800, Wob 28  ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 8,558  Dewayne Wilkerson  TIH to 3,200', Rig Service, Cut Drill Line, TIH to 7,302', Hit Bridge, Circ Free Pipe, Circ B/U and Clean Hole, Trip To Bottom, Drilling Vertical Section F/8010 T/8560  Drilling 9-7/8" Vertical Section \$53,112 \$1,244,554	FOOTAGE: 550      TOTAL JOB COST:	MW: 9.8      \$1,244,554	LB PTD:  PBTD:

WELL: UL Rock of Ages 3922-17 1H

Jul 16 2016	MD: 8,843 RIG SUPERVISOR: PRESENT OPERATIONS:  Drill Vertical Section F/ 8,560' T/ 8,843', Build And Spot Kill Mud For Bit Trip, TOH For Bit Trip Pick Up Z619 Stinger, TIH, Fill Every 25 Stands  Drill Vertical Section F/ 8,560' T/ 8,828' Gpm 550, RPM 30, Diff Psi 650, Wob 45;Service Rigs Top Drive, ST-80, Catwalk And Draw Works;Drill Vertical Section F/ 8,828' T/ 8,843' Gpm 550, RPM 30, Diff Psi 650, Wob 45;CBU, Build 12.2 ppg Weighted Pill For Bit Trip Pump And Spot 50 bbls Of Kill Mud @ 4,000' Inside 10-3/4" Casing String;TOH For Bit Trip , Change Out Mud Motor And Bit To Z619 Stinger;Drain Motor, L/D Motor And Pick Up New Motor, Break Bit , And Make Up New Bit, Rack Back In Derrick;Pull Wear Bushing, Drain Stack To pull Pack Off, Back Off Set Screws Pull Pack Off, Pick Up And Set New Pack Off Test To 5,000 Psi ( Good Test) Install Wear bushing;Trip In Hole T/5,059'  ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 8,841  Dewayne Wilkerson  Drill Vertical Section F/ 8,560' T/ 8,843', Build And Spot Kill Mud For Bit Trip, TOH For Bit Trip Pick Up Z619 Stinger, TIH, Fill Every 25 Stands  Drill Vertical Section F/ 8,560' T/ 8,828' Gpm 550, RPM 30, Diff Psi 650, Wob 45;Service Rigs Top Drive, ST-80, Catwalk And Draw Works;Drill Vertical Section F/ 8,828' T/ 8,843' Gpm 550, RPM 30, Diff Psi 650, Wob 45;CBU, Build 12.2 ppg Weighted Pill For Bit Trip Pump And Spot 50 bbls Of Kill Mud @ 4,000' Inside 10-3/4" Casing String;TOH For Bit Trip , Change Out Mud Motor And Bit To Z619 Stinger;Drain Motor, L/D Motor And Pick Up New Motor, Break Bit , And Make Up New Bit, Rack Back In Derrick;Pull Wear Bushing, Drain Stack To pull Pack Off, Back Off Set Screws Pull Pack Off, Pick Up And Set New Pack Off Test To 5,000 Psi ( Good Test) Install Wear bushing;Trip In Hole T/5,059'  Drill Vertical Section To KOP \$44,960 \$1,289,515	FOOTAGE: 283	MW: 9.8	LB	PTD:  PBTD:         \$1,289,515
Jul 17 2016	MD: 9,303 RIG SUPERVISOR: PRESENT OPERATIONS:  TIH F/ 5,905' T/ 8,843' To Drill Vertical Section;Circulate Out Gas Before Starting To Drill Vertical Section;Drill Vertical Section F/ 8,843' T/ 9,206' Gpm 550, RPM 60, Diff Psi 620, Wob 50-55;Service Rig;Drill Vertical Section F/ 9,206' T/ 9,303' Gpm 550, RPM 60, Diff Psi 620, Wob 50-55;CBU, Build 12.2 ppg Weighted Pill For Bit Trip Pump And Spot 50 bbls Of Kill Mud @ 4,000' Inside 10-3/4" Casing String;Trip out Of Hole From 9,303' For Bit;Spot 40 BBL of 12.2# Pill @ 4,026' Due To Well Flowing, Killed Pump Flow Went To Zero;Trip Out Hole T/BHA;L/D Stabilizer/XO Sub, MWD, Break Out Bit And Make Up New bit (MM74DM);Trip In Hole Filling Every 25 Stands And Monitoring Well  ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 9,301  Dewayne Wilkerson  Finish TIH, CBU, Drill Vertical Section F/ 8,843' T/9,303, CBU And Spot Pill, Trip T/4,026', Well Flowing, Spot 40 BBL Pill, Flow Stops, TOH, Change Bit, TIH  TIH F/ 5,905' T/ 8,843' To Drill Vertical Section;Circulate Out Gas Before Starting To Drill Vertical Section;Drill Vertical Section F/ 8,843' T/ 9,206' Gpm 550, RPM 60, Diff Psi 620, Wob 50-55;Service Rig;Drill Vertical Section F/ 9,206' T/ 9,303' Gpm 550, RPM 60, Diff Psi 620, Wob 50-55;CBU, Build 12.2 ppg Weighted Pill For Bit Trip Pump And Spot 50 bbls Of Kill Mud @ 4,000' Inside 10-3/4" Casing String;Trip out Of Hole From 9,303' For Bit;Spot 40 BBL of 12.2# Pill @ 4,026' Due To Well Flowing, Killed Pump Flow Went To Zero;Trip Out Hole T/BHA;L/D Stabilizer/XO Sub, MWD, Break Out Bit And Make Up New bit (MM74DM);Trip In Hole Filling Every 25 Stands And Monitoring Well  Drilling 9.875" Vertical Section \$35,851 \$1,325,366	FOOTAGE: 460	MW: 9.9	LB	PTD:  PBTD:         \$1,325,366
Jul 18 2016	MD: 10,485 RIG SUPERVISOR: PRESENT OPERATIONS:  TIH To Bottom, Circ, No Flow Pump LCM Pill To Regain Flow, Drill 9.875" Hole, Shut Well In Due To 10 BBL Gain, Circ. Gas Out, Rig Service, Drill 9.875" Hole T/10,485'  Cont. Tripping In The Hole F/ 2,543' T/ 9,026';Fill Pipe Attempt To Circulate, No Returns, Pump @ 20 SPM. Build LCM Pill And Pump Same. Circulate B/U, Regain Circulation And Pump Another 20 bbl Pill.;Drill Vertical Section F/ 9,303' T/ 9,426' Gpm 550,Rpm 45, Wob 40, Diff Psi. 600;Gain 19 bbl, Shut In And Monitor. SIDP= 200, SICP= 180 Open Well And Drill On Choke.;Drill Vertical Section F/ 9,426' T/ 9,490' Gpm 550,Rpm 45, Wob 40, Diff Psi. 600;Service Rigs Top Drive, ST-80, Draw Works And Catwalk;Drill Vertical Section F/ 9,490' T/ 10,485' = 995' ROP 71, Gpm 550,Rpm 45, Wob 40, Diff Psi. 600  ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 10,480  Dewayne Wilkerson  TIH To Bottom, Circ, No Flow Pump LCM Pill To Regain Flow, Drill 9.875" Hole, Shut Well In Due To 10 BBL Gain, Circ. Gas Out, Rig Service, Drill 9.875" Hole T/10,485'  Cont. Tripping In The Hole F/ 2,543' T/ 9,026';Fill Pipe Attempt To Circulate, No Returns, Pump @ 20 SPM. Build LCM Pill And Pump Same. Circulate B/U, Regain Circulation And Pump Another 20 bbl Pill.;Drill Vertical Section F/ 9,303' T/ 9,426' Gpm 550,Rpm 45, Wob 40, Diff Psi. 600;Gain 19 bbl, Shut In And Monitor. SIDP= 200, SICP= 180 Open Well And Drill On Choke.;Drill Vertical Section F/ 9,426' T/ 9,490' Gpm 550,Rpm 45, Wob 40, Diff Psi. 600;Service Rigs Top Drive, ST-80, Draw Works And Catwalk;Drill Vertical Section F/ 9,490' T/ 10,485' = 995' ROP 71, Gpm 550,Rpm 45, Wob 40, Diff Psi. 600  TOH For Curve Assembly \$77,703 \$1,403,069	FOOTAGE: 1,182	MW: 9.8	LB	PTD:  PBTD:         \$1,403,069
Jul 19 2016	MD: 10,714 RIG SUPERVISOR: PRESENT OPERATIONS:  Drill 9.875" Hole T/ 10,714', Circ Sweep To Clean Hole, Spot 12.2 ppg mud, Drop Gyro, Well Still Flowing, Spot 13.2 # At Shoe, No Flow, TOH 1 min/stnd w/ gyro hand, LD BHA, RU Csg Crew  Drill Vertical Section F/ 10,495' - 10,714', Gpm 550, Rpm 45, Wob 35, Diff Psi. 500;Pump Sweep To Clean Hole, CBU While Building 12.2 ppg Kill Pill, Pump Kill Pill And Spot @ Casing Shoe at 5,000';Drop GYRO Survey Tool And Wait 20 mins For It To Fall.;Pump Slug And Chase It With 100 Strokes, Shut Down Pumps Check For Flow. Well Still Flowing, Made Call To Bring Weight Up To 13.2 ppg And Spot Outside Drill Pipe;Trip Out Of Hole F/ 10,714' at 1 min/stand w/ Gyro hand, Monitor Well On Proper Fill;LD All Directional Tools;Remove Wear Bushing;Cut Drill Line 94';Held Safety Meeting With Pipe Pros Casing Crew, Rig Up Casing Tools  ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 10,710  Dewayne Wilkerson  Drill 9.875" Hole T/ 10,714', Circ Sweep To Clean Hole, Spot 12.2 ppg mud, Drop Gyro, Well Still Flowing, Spot 13.2 # At Shoe, No Flow, TOH 1 min/stnd w/ gyro hand, LD BHA, RU Csg Crew  Drill Vertical Section F/ 10,495' - 10,714', Gpm 550, Rpm 45, Wob 35, Diff Psi. 500;Pump Sweep To Clean Hole, CBU While Building 12.2 ppg Kill Pill, Pump Kill Pill And Spot @ Casing Shoe at 5,000';Drop GYRO Survey Tool And Wait 20 mins For It To Fall.;Pump Slug And Chase It With 100 Strokes, Shut Down Pumps Check For Flow. Well Still Flowing, Made Call To Bring Weight Up To 13.2 ppg And Spot Outside Drill Pipe;Trip Out Of Hole F/ 10,714' at 1 min/stand w/ Gyro hand, Monitor Well On Proper Fill;LD All Directional Tools;Remove Wear Bushing;Cut Drill Line 94';Held Safety Meeting With Pipe Pros Casing Crew, Rig Up Casing Tools  Run and cement 7.625" Casing, LDDP \$63,496 \$1,466,565	FOOTAGE: 229	MW: 9.8	LB	PTD:  PBTD:         \$1,466,565
Jul 20 2016	MD: 10,714 RIG SUPERVISOR: PRESENT OPERATIONS:  PJSM w/ Casing Crew, Run 7.625" Casing, CBU and Spot LCM Pill, PJSM w/ Cementers, RU Cementers, Pump Cement, RD Cementers  Hold Safety Meeting W/ Pipe Pros Casing Crew Before Performing Casing 7-5/8" Casing Job;Make Up Float & Shoe W/ Two Joint Shoe Track, Float Test Good Run In The Hole With 236 Joints 7-5/8" Casing, Filling Pipe Every 25 Jts, No Displacement After 2,000', Fill Back Side To Keep Hole Full To Monitor Well. Land Mandrel and Landing joint;CBU Through Choke, And Spot LCM Pill Out Side Shoe;PJSM With Schlumberger Cementers, Rig Up cementers;Pressure Test Lines to 3500 PSI, Pump 20 BBL Of Fresh Water, 20 BBL MPE 10.8 PPG, 303 BBL Lead @ 11.9 PPG, 43 BBL @ 13.2 PPG, Drop Plug, 486.7 BBL Displacement ( OBM ), Did Not Bump Plug, Pumped Half The Shoe Track Over Displacement, Shut it In With Casing Head On. Full Returns The Whole Job;Rig Down Cementers  ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 10,710  Dewayne Wilkerson  PJSM w/ Casing Crew, Run 7.625" Casing, CBU and Spot LCM Pill, PJSM w/ Cementers, RU Cementers, Pump Cement, RD Cementers  Hold Safety Meeting W/ Pipe Pros Casing Crew Before Performing Casing 7-5/8" Casing Job;Make Up Float & Shoe W/ Two Joint Shoe Track, Float Test Good Run In The Hole With 236 Joints 7-5/8" Casing, Filling Pipe Every 25 Jts, No Displacement After 2,000', Fill Back Side To Keep Hole Full To Monitor Well. Land Mandrel and Landing joint;CBU Through Choke, And Spot LCM Pill Out Side Shoe;PJSM With Schlumberger Cementers, Rig Up cementers;Pressure Test Lines to 3500 PSI, Pump 20 BBL Of Fresh Water, 20 BBL MPE 10.8 PPG, 303 BBL Lead @ 11.9 PPG, 43 BBL @ 13.2 PPG, Drop Plug, 486.7 BBL Displacement ( OBM ), Did Not Bump Plug, Pumped Half The Shoe Track Over Displacement, Shut it In With Casing Head On. Full Returns The Whole Job;Rig Down Cementers  Lay Down 5" DP. MU curve BHA and RIH PU 4-1/2" DP. \$100,898 \$1,567,463	FOOTAGE:	MW: 9.8	LB	PTD:  PBTD:         \$1,567,463

WELL: UL Rock of Ages 3922-17 1H

Jul 21 2016	MD: 10,714	TVD: 10,714	FOOTAGE:	MW: 11.5	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	LDDP out of mousehole. Prep for OBM. Test BOP. Prep floor for 4.5 DP. Lay out BHA				
	Laying Down 5" DP Out Of Mouse Hole With Cement Head Closed In With 120 Psi On Back Side, ,;Service Rig & HYD Catwalk;Laying Down 5" DP Out Of Mouse Hole With Cement Head Closed In With 120 Psi On Back Side, While Sucking Out All WBM Out Of Pits For Cleaning;Bleed Pressure Off Cement Head And The 120 Psi That Was On Back Side, Rig Down Cement Head And Back Off Landing Joint, Set Pack Off And Test To 5000 Psi = Good Test;Test BOP, Blind Rams, Top And Bottom Pipe Rams, Choke Manifold 250 Low 5000 High 5 Min, Hydrill 250 Low 3500 High, Test Back To Pumps 250 Low 3500 High, ( While Cleaning Pit And Strapping 4.5" Drill Pipe), Rig Down Tester;Change Out Saver Sub On Top Drive, And Get All 4.5" Tools On Rig Floor					
	ACTIVITY PLANNED:	TIH. DO cmt. FIT. Drill curve.				
	DAILY JOB COST:	\$35,593	TOTAL JOB COST:	\$1,603,056		
	TOTAL WELL COST:	\$1,603,056				
Jul 22 2016	MD: 10,826	TVD: 10,822	FOOTAGE: 112	MW: 11.4	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	PU 4.5" DP, PU curve assembly, TIH, drill curve				
	Finish changing out handling tools for 4.5" pipe;PU 6.75" curve assembly: Bit MMD63C w/6-16's, 4-3/4" MM (7/8, 3.8, 0.52 rpg, 2.38° bend (slick)), Pony Sub, UBHO, HDS-1 NMDC, NMDC's, XO, 45 jnts of 4.5" HWDP;PU 4.5" DP singles, load and strap 100 jts per run to avoid mis-count. TIH to 4,727';Lubricate rig, load and strap 100 jts.;PU 4.5" DP singles F/4727 T/10,534'. (Tag Cement),;Casing Test T/1,500 Psi For 30 Min = Good Test;Remove Trip Nipple And Install Rotating Head;Drill Cement, Float Equipment And 10' Of New Hole F/10,714' T/10,724' RPM- 15 GPM- 250 WOB- 15;FIT Test T/1,400 Psi =Good Test;Drill F/10,724' T/10,755', WOB-24, GPM- 300, RPM-15, Diff- 300- 500;Slide Curve Section F/10,755' T/10,826'= 71', ROP-35.5, WOB- 25-30K, DIFF- 300-550, GPM- 300					
	ACTIVITY PLANNED:	Finish curve, TOH for lateral assembly, CO BHA and TIH				
	DAILY JOB COST:	\$51,463	TOTAL JOB COST:	\$1,654,519		
	TOTAL WELL COST:	\$1,654,519				
Jul 23 2016	MD: 11,336	TVD: 11,187	FOOTAGE: 510	MW: 11.5	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	Drill Curve Section, Circ B/U, Trip Out Of Hole For Lateral Assembly, Lay Down Curve Assembly, Pick Up Lateral Assembly, TIH				
	Slide Curve Section F/10,826' T/11,336' = 510' WOB 26-30K GPM 300 DIFF 400-600, Drilling 90' And Coming Back And Tacking 30' Surveys,					
	Projection To Bit/ Depth 11,336' Inc @ Bit 69.3 Azm @ Bit 79.55 TVD @ Bit 11,187' DLNL 3.22 /100;Circ B/U 3100 Stk, Check Flow = No Flow;Trip Out Of Hole F/11,336' T/10,549' (Top Of Curve);Flow Check = No Flow, Pump Slug, Remove Rotating Head And Install Trip Nipple;Trip Out Of Hole F/10,549' T/BHA;L/D Curve Assembly, And P/U Lateral Assembly, Test MWD Tool = Good Test, Make Bit Up					
	6 .75" MM53D w/5-12's, 4.75" MM 6/7 8.0 (1.75 bend) .86 revs, Tercel Reamer, Pony NMDC, NMDC HDS-1, Tercel Reamer, XO.;Trip In Hole With Lateral Assembly to 5763'					
	ACTIVITY PLANNED:	Drilling 6.75" Lateral Section				
	DAILY JOB COST:	\$99,262	TOTAL JOB COST:	\$1,753,781		
	TOTAL WELL COST:	\$1,753,781				
Jul 24 2016	MD: 11,515	TVD: 11,234	FOOTAGE: 179	MW: 11.7	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	RIH, Cut line, Wash and ream curve, Drill lateral, POOH, Change bha, RIH				
	Trip in the hole total 103 stands with 6 3/4" lateral assembly, Pick up 39 singles before HWDP to place HWDP @ 30 degrees at TD of well.;Cut drilling line 67', 2 point calibrate and reset COM.;Rig service;Pull trip nipple and install rotating head;Precautionary wash and ream last 2 stands to bottom, no excessive drag and proper displacement observed.;Circulate bottoms up through gas buster while rotate and reciprocate, max gas 3900 units/ 4' flare.;Slide Drill 6 3/4" lateral F/11336 T/ 11350 14'@ 50ft/hr, 300 GPM, 10-20 WOB, 0 RPM, 400 psi Diff.;Troubleshoot SLB MWD. Surface computer locked up;Rotate/Slide Drill 6 3/4" lateral F/11350 T/ 11515 165'@ 41.5ft/hr, 300-350 GPM, 10-20 WOB, 70 RPM, 400- 900 psi Diff.					
	Observed continue inc dropping indicating problem with new BHA, CBU prep to POOH;Trip out of the hole to check BHA, Scribe line off 218 degrees.;Drain Mud Motor, Break Bit (missing small piece of matrix on back of blade), check scribe line on motor 218 deg out, Broke and re-torqued every connection on BHA and checked torque on load cell with rig tongs , all BHA torqued to specs,(suspect sub on mud motor from NOV shop may have been out of spec), lay down mud motor and pick up new mud motor, torque and re-torque, install MWD and test MWD= good test,					
	BHA # 8 Bit 6.75" MM64D jets 6-24, Motor NOV 5" 7/8 3.8 (2.12 bend) .52 rev, Float Sub, Reamer, Pony collar, UBHO, HDS-NMDC, NMDC, NMDC, Reamer, X-O Sub;Trip in hole filling every 30 stands and making sure we are getting proper displacement					
	ACTIVITY PLANNED:	Drill 6 3/4 lateral				
	DAILY JOB COST:	\$70,594	TOTAL JOB COST:	\$1,824,375		
	TOTAL WELL COST:	\$1,824,375				

WELL: UL Rock of Ages 3922-17 1H

Jul 25 2016	MD: 12,415 RIG SUPERVISOR: PRESENT OPERATIONS: Remove trip nipple and install rotating head;Service rig, Top drive, Draw works, HYD cat walk;Trip in hole F/10,622' T/11,459', Wash last stand to bottom;Slide 6.75" lateral section F/11,515' T/11,705', Wob 30-35k, Diff 500-600 psi, Spm 65, Gpm 248;;Drill 6.75" lateral section F/11,705' T/11,746', Wob 15-20k, Diff 500-600 psi, Rpm 50, Torque 4-6k, Spm 65, Gpm 248, Psi on bottom 3,075 psi;Slide 6.75" lateral section F/11,746' T/11,776', Wob 30-35k, Diff 500-600 psi, Spm 65, Gpm 248;;Drill 6.75" lateral section F/11,776' T/11,833', , Wob 20-30k, Diff 500-600 psi, Rpm 50, Torque 4-6k, Spm 65, Gpm 248, Psi on bottom 3,100 psi;Slide/Drill 6.75" Lateral section, F/11,833' T/11,875', Wob 20-30k, Diff 500-600 psi, Rpm 50, Torque 4-6k, Spm 65, Gpm 248  Slide= 22' Rotate = 20';Slide/Drill 6.75" Lateral section, F/11,875' T/12,130', Wob 20-30k, Diff 500-600 psi, Rpm 50, Torque 4-6k, Spm 65, Gpm 248  Slide= 45' Rotate= 210';Slide/Drill 6.75" Lateral section, F/12,130' T/12,296', Wob 20-30k, Diff 500-600 psi, Rpm 50, Torque 4-6k, Spm 65, Gpm 248  Slide= 10' Rotate=156';Slide/Drill 6.75" Lateral section, F/12,296' T/12,415', Wob 20-30k, Diff 500-600 psi, Rpm 50, Torque 4-6k, Spm 65, Gpm 248  Slide= 15' Rotate=104' ACTIVITY PLANNED: Trip For Faster Assembly, 1.75° Bend, MM53D Bit DAILY JOB COST: \$61,546 TOTAL JOB COST: \$1,885,921 TOTAL WELL COST: \$1,885,921	TVD: 11,301 FOOTAGE: 900 MW: 11.5 LB PTD:
Jul 26 2016	MD: 12,955 RIG SUPERVISOR: PRESENT OPERATIONS: Slide/Drill 6.75" Lateral section, F/12,415' T/12,657', 242'@ 69ft/hr, Wob 20-30k, Diff 500-600 psi, Rpm 50, Torque 4-6k, Spm 65, Gpm 248;Circulate hole clean and prep to trip out of the hole.;Trip out of the hole T/12,105 CBU to clean hole, Trip to top of curve do flow check= no flow, pump slug, trip to BHA;Lay down old assembly and pick up new lateral assembly, (check torque on XO on mud motor= good)  6.75" MM53D, 5" 6/7 8.0 1.75 fix 6 3/8 NB Stab Rev .86, Float sub, Reamer, Pony collar, UBHO, HDS-1 NMDC, NMDC, Reamer, X-over;Trip in hole to shoe @ 10,686';Cut drill line 67';Service rig;Trip in hole T/ 12,142', Hit tight spot;Wash and ream F/12,142' T/12,657, RPM 30 Gpm 325;Slide/Drill 6.75" Lateral section, F/12,657' T/12,955, 298 '@123.2 ft/hr, Wob 15-25k, Diff 900-1100 psi, Rpm 70, Torque 4-9k, Spm 90, Gpm 350 ACTIVITY PLANNED: Drilling 6.75" lateral section DAILY JOB COST: \$74,193 TOTAL JOB COST: \$1,960,114 TOTAL WELL COST: \$1,960,114	TVD: 11,305 FOOTAGE: 540 MW: 11.5 LB PTD:
Jul 27 2016	MD: 13,731 RIG SUPERVISOR: PRESENT OPERATIONS: Slide/Drill 6.75" Lateral section, F/12,955' - 13,620', 665' @ 102.2 ft/hr, Wob 15-25k, Diff 900-1100 psi, Rpm 70, Torque 4-9k, Spm 90, Gpm 350;Service rig;Slide/Drill 6.75" Lateral section, F/13,620' - 13,731', 111' @ 111 ft/hr, Wob 15-25k, Diff 900-1100 psi, Rpm 70, Torque 4-9k, Spm 90, Gpm 350;While sliding, Hole started packing off. Backed pumps off and got pipe free. Circ and brought MW to 11.7 ppg; the hole was still trying to pack off;Trip out of tight hole T/12,110', Pipe free and not packing off;Circ and rotate and work pipe, brought MW up to 12ppg;Wash and ream T/12,953' 350 gpm and 100 rpm, hole unloading with cuttings;Change out cap gasket 4 times on #1 pump, and valve and seat on #2 pump;Wash and ream T/13,300' 350 gpm and 100 rpm, hole unloading with cuttings, and not showing signs of improvement. ACTIVITY PLANNED: Drill 6.75" lateral DAILY JOB COST: \$77,031 TOTAL JOB COST: \$2,037,145 TOTAL WELL COST: \$2,037,145	TVD: 11,238 FOOTAGE: 776 MW: 11.5 LB PTD:
Jul 28 2016	MD: 13,731 RIG SUPERVISOR: PRESENT OPERATIONS: Attempt to get back to bottom, wash and ream to 13,150', Circulate while raising mud weight f/ 12 ppg to 12.5 ppg, Attempt to ream to bottom w/ no success, pull up to 12,664';Circulate @ 12,664' while raising mud weight f/ 12.5 ppg to 13 ppg, work pipe f/ 12,664' to 12,571', 92 spm= 351 gpm, 100 rpm, 2-4 k torque, 4,550 psi Circ. while raising mud weight f/ 13 ppg to 13.3 ppg;Wash and ream f/ 12,664' to 13,047', 89 spm= 340 gpm, 100 rpm 2-10 k torque, 4,550 psi , raising mud weight f/ 13.3 ppg to 13.4 ppg;Service rig and top drive;Wash and ream f/ 13,047' to 13,238', 89 spm= 340 gpm, 100 rpm 2-10 k torque, 4,550 psi;Work through tight spot @13,170' w/ reduced pump rate 30 spm = 115 gpm 100 rpm, after working through several times brought pumps up to drilling rate 89 spm = 340 gpm and worked through tight spot several more times Raising MW f/ 13.4 ppg to 13.5 ppg;Wash and ream f/ 13,238' to 13,270', 89 spm= 340 gpm, 100 rpm, 2-10 k torque, 4,550 psi ACTIVITY PLANNED: Get to bottom, circ. sweep around, TOH change out BHA, TIH and re-log DAILY JOB COST: \$140,252 TOTAL JOB COST: \$2,177,396 TOTAL WELL COST: \$2,177,396	TVD: 11,305 FOOTAGE: MW: 13.3 LB PTD:

WELL: UL Rock of Ages 3922-17 1H

Jul 29 2016	MD: 13,731	TVD: 11,278	FOOTAGE:	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	Wash and ream, TOH, C/O BHA, TIH with bit, sub, and drill pipe, wash to bottom, clean and heal hole, TOH for lateral assembly				
	Wash and ream to 13,308' with 13.5 ppg MW, attempts to ream deeper with current BHA ( drilling assembly) unsuccessful. Wash back 1 stand and circulate while prep to trip for dumb iron.;Trip slick with no hole problems where 13.5#MW has been circulated from 13,260' to BHA. Proper fill and no excessive drag observed.;Lay down BHA, UBHO washed one set screw, bit in gauge, grade 2/3.;PU clean out assembly, 6-3/4 Smith tri- cone, float sub (check float), drill pipe. TIH to 13,300'.;Wash and Ream from 13,308' to TD at 13,731', 150 rpm's, 330-350 gpm's, While pumping LCM sweeps due to slight losses. (Losses from 5 bbls/hr to 30bbls/hr). Total losses 100 bbls. Test hole stability, no pumps no rotary "OK", Prep to trip out of the hole for lateral assembly.					
	ACTIVITY PLANNED:	TIH with lateral assembly, cut line, drill ahead				
	DAILY JOB COST:	\$90,790	TOTAL JOB COST:		\$2,268,186	
	TOTAL WELL COST:	\$2,268,186				
Jul 30 2016	MD: 13,731	TVD: 11,279	FOOTAGE:	MW: 13.4	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	TOH, C/O BHA, TIH, Relog, Drill ahead 6.75" hole				
	Continue trip out of the hole for lateral drilling assembly, observed proper fill and no excessive drag.;Pick up Lateral BHA: 6.75" MM53D, Mud Motor (5", 6/7, 8.0, 1.75 fix, 6-3/8" NB Stab, 0.86 RPG), Float sub, Reamer, Pony collar, UBHO, HDS-1 NMDC, NMDC, NMDC, Reamer, X-over;Trip in the hole to the shoe;Cut drill line 82', 2 point calibrate and check COM;Rig Service;Trip in the hole with lateral assembly to 12,550', no excessive drag and proper displacement observed.;Re-Log from 12,550' to bottom 13,731' ( From up-hole 100' of last trip and everything last assembly logged) 180 gpm's, 45 rpms, 300 ROP. No hole problems.					
	ACTIVITY PLANNED:	Drill ahead 6.75" hole				
	DAILY JOB COST:	\$82,139	TOTAL JOB COST:		\$2,350,325	
	TOTAL WELL COST:	\$2,350,325				
Jul 31 2016	MD: 14,278	TVD:	FOOTAGE: 547	MW: 13.5	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	Trouble shoot hydraulic leak on top drive and repair same. Drill 6.75" lateral section f/ 13,731' to 14,278'. Circ. slug pipe and TOH due to ROP				
	Rig service;Change out hyd. hose on TDS, Lay down 2 bad joints of DP;Drill/Slide 6.75" Lateral hole section: F/13731 T/ 14278' @ 50'/hr, 290 gpm's, 70-90 rpm's, 800-1100 Dpsi, 15-25 wob.;Circulate bottoms up while mixing slug, Flow check and pump slug;TOH f/ 14,278' to 10,607';Remove rotating head and Install trip nipple;TOH to BHA;Lay Directional tools & Bit;Clean rig floor for safety;Pick up, Make up new Motor adjust same to 1.5 deg. & pick up new Bit					
	ACTIVITY PLANNED:	TIH drill 6.75" lateral section f/ 14,278'				
	DAILY JOB COST:	\$78,024	TOTAL JOB COST:		\$2,428,349	
	TOTAL WELL COST:	\$2,428,349				
Aug 1 2016	MD: 15,151	TVD: 11,291	FOOTAGE: 873	MW: 13.5	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	TIH w/ new lateral assembly to 14,278', Drill 6.75" lateral section f/ 14,278' to 15,151'				
	Continue Trip in the hole with new 6.75" lateral assembly. Install R-Head at casing shoe.;Rig service;Continue trip in the hole to 14,278', Precautionary wash to bottom, No excessive drag and proper displacement observed.;Drill/Slide 6.75" Lateral hole section: F/14,278' T/ 15,151' @ 54.56'/hr, 290 gpm's, 70-90 rpm's, 800-1,200 Diff, 15-25 wob.					
	ACTIVITY PLANNED:	Cont. drilling 6.75" lateral section				
	DAILY JOB COST:	\$60,082	TOTAL JOB COST:		\$2,488,431	
	TOTAL WELL COST:	\$2,488,431				
Aug 2 2016	MD: 15,672	TVD: 11,291	FOOTAGE: 521	MW: 13.5	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	Drill/Slide 6.75" Lateral F/ 15,151' T/ 15,672', unable to get build, CBU and TOH 10 stands w/ excess drag, ream back to bottom, circ hi-vis sweep around, pull to shoe				
	Drill/Slide 6.75" Lateral hole section: F/ 15,151' T/ 15,536', 290 gpm's, 70-90 rpm's, 800-1,200 Diff, 15-25 wob. (increased slide frequency to correct inclination and azimuth);Rig service;Drill/Slide 6.75" Lateral hole section: F/15,536' T/ 15,672' 22.6@ '/hr, 290 gpm's, 70-90 rpm's, 800-1,200 Diff, 15-25 wob. Increased slide frequency to correct inclination, unable to achieve MBR, prep to trip out of the hole.;Circulate bottoms up to change mud motor and bit. Current assembly sent from SLB is Hunting 1.5 adj motor, Plan to run 1.75 fixed slick motor when it arrives from shop.;Trip 10 stands and observe excessive drag. Kelly up, begin to wash back to bottom to ensure hole is clean for new BHA.					
	Advised by SLB back up mud motor is 12 HR's from arrival leaving Conroe, TX @ 21:30. Original ETA was 8/1/2016 21:00. New ETA 8/2/2016 12:00.;Wash and ream back to bottom F/14,300' T/15,672';Circulate Hi-Vis sweep around & circ. until hole clean;TOH F/ 15,672' T/ 15,200' wet. No excess drag, flow check OK, pump slug, continue TOH @ 50 fpm until 13,670', started pulling @ 75 fpm to 11,000', No excess drag					
	ACTIVITY PLANNED:	Wait on Mud Motor, TOH, C/O BHA, TIH, drill lateral making correction in direction and inclination				
	DAILY JOB COST:	\$102,518	TOTAL JOB COST:		\$2,590,949	
	TOTAL WELL COST:	\$2,590,949				

WELL: UL Rock of Ages 3922-17 1H

Aug 3 2016	MD: 15,672 RIG SUPERVISOR: PRESENT OPERATIONS:  Monitor well bore with trip tanks while waiting on mud motor from SLB.;Trip out of the hole to change out BHA. Observed proper fill. Motor arrived on location at 12:30 hrs.;Lay down BHA, Pick up new motor and surface test. New motor from shop was locked up. Lay down motor.;Wait on mud motor, monitor well with trip tanks.;Pick up Lateral BHA: 6.75" MMD63C, Mud Motor (5", 6/7 lobe, 8.0 stage, 1.75 fix, 0.81 RPG), Float sub, Reamer, Pony collar, UBHO, HDS-1 NMDC, NMDC, NMDC, Reamer, X-over Surface test all "OK".;Trip in the hole with lateral assembly. While tripping well stopped giving proper displacement, filled back side w/ trip tank and cont. TIH to casing shoe.;Monitor well on trip tank while removing trip nipple and installing rotating head, Build 60 bbl LCM Pill w/20# per bbl lcm, well taking 14 BPH;Test MWD tools and spot LCM pill in drill pipe before going into open hole;TIH f/ casing shoe @ 10,686' to 12,768' ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 11,291 Jake Richter W/O Mud motor, TOH, PU same. Motor locked up. LD motor, W/O new motor, PU same, TIH to csg shoe, well not giving proper displacement, spot pill in DP, monitor well, 14 BPH losses, TIH  Drill/Slide and survey Lateral section to get back in zone & drill ahead \$98,972 \$2,689,922	FOOTAGE: MW: 13.6 LB PTD: PBTB:	
Aug 4 2016	MD: 15,680 RIG SUPERVISOR: PRESENT OPERATIONS:  TIH f/ 12,678' to 15,350';Work pipe & condition mud in active pits, cutting mud back to 13.5 ppg;TOH f/ 15,350' to 10,510' @ 55' per min.;Cont. filling back side while conditing mud in pre-mix tank;Circ. & cond. hole w/ 13.4 mud;Stage in the hole f/ 10,510' to 12,566' @ 55' per min.;Transfer mud f/ pre-mix to active, monitor well while pumping 80 bbl. LCM pill & circ. same out of hole;Stage in the hole f/ 12,566' to 14,576' @55' per min.;Pump LCM pill to establish returns;Stage in the hole f/14,576' to 15,558' @ 55' per min.;Wash f/ 15,558' to 15,672', Re-Program MWD w/ Schlumberger;Slide f/ 15,672' to 15,680' w/ 60 spm=230 gpm losing 125 BPH;Circ. @ 20 spm, 76 gpm while building 80 bbl, 25# LCM pill, pump and spot same in open hole along with 15 bbl inside of casing shoe;Monitor well on trip tank while receiving mud f/ Anchor. Well is taking Approximately 11 BPH while static ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: FTAGE: 8 MW: 13.4 LB PTD: Henry Davis TIH w/ new Motor, fight losses, TOH, cut mud weight, stage in hole, pumping LCM, slide 8' at reduced pump rate, spot pill in open hole, monitor well  Control losses & Drill 6-3/4" Lateral section \$51,646 \$2,741,568	FOOTAGE: MW: 13.4 LB PTD: PBTB:	
Aug 5 2016	MD: 15,680 RIG SUPERVISOR: PRESENT OPERATIONS:  Circ. & Pump LCM Sweeps Per Anchor Drilling Fluids To Try And Control Losses, Pumped 5- 40 bbls Sweeps W/ K-Seal, Thunder Plug, Graphite, Cal Carb And Walnut. No Change In Losses;Circ. & Pump LCM Sweeps Per Halliburton Drilling Fluids To Try And Control Losses, Pumped 5- 40 bbls Sweeps W/ Baroseal 10 sks, Stoppit 16 sks, Cal Carb 50 mic 8 sks, Cal Carb 150 mic 8 sks, Cal Carb 600 mic 8 sks, Didn't see a change in losses. New Mixture From Halliburton, Steel Seal 16 sks, Stoppit 8 sks, Barofibre O 8 sks, Mica Fine 8 sks, Cal Carb 150 mic 8 sks, We Started Seeing Changes in Flow % And Mud Vol. Continued Pumping New Mixture Of LCM To Try And Stop Losses.;Pumped Last LCM Sweep Losses Down To 8 bbls in 59 min, Brought Pump Up To 60 SPM To Drill Ahead Found Out Survey Tool Is No Longer Working , Mix 80 LCM Pill To Spot In Lateral Section Before Tripping Out For MWD Tool. ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 11,308 FTAGE: MW: 13.2 LB PTD: Dewayne Wilkerson Circulating And Pumping LCM Sweeps To Regain Control Of Losses, Trying Different Mixtures Of LCM Products From Mud Company To Fix The Loss Issue. Mix And Spot LCM Pill To Trip Out For MWD Failure.  Drill Ahead In Lateral Section \$36,110 \$2,777,678	FOOTAGE: MW: 13.2 LB PTD: PBTB:	
Aug 6 2016	MD: 15,695 RIG SUPERVISOR: PRESENT OPERATIONS:  Spot 80bbl LCM pill through out vertical and lateral section;Trip out of hole at 50'/min T/10,416', Pull rotating head and install trip nipple, Trip out of hole to BHA;L/D lateral BHA , MWD tool clogged up with LCM, Pick up new lateral BHA  6.75" MMD63C, 5" Motor (6/7 lobe, 8.0 stg, 1.75° fixed, 0.86 RPG) Float sub, Reamer, Pony collar, UBHO, HDS-1 NMDC, NMDC, NMDC, Reamer, X-O sub;Trip in hole T/10,606' at 150' per minute while making sure hole has proper displacement;;Remove trip nipple and install rotating head;Cut drill line 100';Change out wear sub on top drive;Trip in hole T/15,680', with proper displacement and no hole trouble;Recalibrate MWD tool;Slide 6.75" lateral section F/15,680' T/15,695', TF 30R, Wob 30, Diff 200, Gpm 230, ( hole seeping 14 bbls/hr) ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	TVD: 11,309 FTAGE: 15 MW: 13.3 LB PTD: Dewayne Wilkerson Circ LCM sweeps, spot LCM sweep through out the lateral and top of curve, Trip out of hole for MWD, C/O Lat BHA, TIH to shoe, Cut drill line, C/O wear sub on top drive, TIH, Slide  Drilling 6.75" lateral section \$54,628 \$2,832,306	FOOTAGE: 15 MW: 13.3 LB PTD: PBTB:	

WELL: UL Rock of Ages 3922-17 1H

Aug 7 2016	MD: 16,660	TVD: 11,272	FOOTAGE: 965	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	Drill/Slide 6.75" lateral section, Rig service, Drill/Slide 6.75" lateral section, circulate due to losses, Drill/slide 6.75" lateral section				
	Slide/Drill 6.75" lateral section F/15,695' T/16,113', Wob 30, Diff 900, Gpm 230, Rpm 70;Service Rig;Slide/Drill 6.75" lateral section F/16,113' T/16,593', Wob 30, Diff 900, Gpm 300, Rpm 70;Pick up off bottom and circulate at 40 stk due to losses, Pumped LCM sweeps around and staged pumps up to monitor losses, seemed to be holding at only 10-15 bbls loss per hour;Slide/Drill 6.75" lateral section F/16,593' T/16,608', Wob 30-35, Diff 900-1,100, Gpm 230, Rpm 70;Remove valves on #1 pump, Found piece of rubber under valve, while cleaning suction screen on #2;Slide/Drill 6.75" lateral section F/16,608' T/16,660', Wob 30-35, Diff 900-1100, Gpm 230, Rpm 70					
	ACTIVITY PLANNED:	Drill 6.75" lateral section				
	DAILY JOB COST:	\$54,815	TOTAL JOB COST:		\$2,887,121	
	TOTAL WELL COST:	\$2,887,121				
Aug 8 2016	MD: 17,414	TVD: 11,283	FOOTAGE: 754	MW: 13.2	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	Slide/Drill 6.75" lateral section F/ 16,660' - 16,739', SI Well Due To 5 bbl Gain, RS, Drill/Slide F/ 16,739' - 17,414', Circ. Sweep, Circ. out gas, Spot pills				
	Slide/Drill 6.75" lateral section F/16,660' T/ 16,739', Wob 30-35, Diff 900-1,100, Gpm 230, Rpm 70;Shut In Well Due To Increase In Flow and 5 bbl Gain. Well Showed 200 psi On Backside. Monitored Well, Line Up Through Choke, Finish CBU but No Gas Cut @ Shakers But Was Bubbling Over.;Slide/Drill 6.75" lateral section F/16,739' T/17,169', Wob 30-35, Diff 900-1,100, Gpm 230, Rpm 70;Service rig;Slide/Drill 6.75" lateral section F/17,169' T/17,414', Wob 30-35, Diff 900-1,100, Gpm 230, Rpm 70;Circ sweep out of hole to insure hole is clean, Flow check=good;TOH @ 75'/min T/17,102', Well was swabbing, shut down monitor well in trip tank, well flowing, shut in well with 260 psi on backside;CBU through choke at 50 stks, bottoms up with 2,400 units of gas with 8' flare, weight up to 13.3 ppg before continuing tripping to ensure well is static					
	ACTIVITY PLANNED:	TFNB, Drill/Slide 6.75" lateral section				
	DAILY JOB COST:	\$39,285	TOTAL JOB COST:		\$2,926,406	
	TOTAL WELL COST:	\$2,926,406				
Aug 9 2016	MD: 17,414	TVD: 11,284	FOOTAGE:	MW: 13.5	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	TOH, Well flowing, Pump 14# pill in casing, TOH, well still swabbing, Pump out of hole T/10,606', spot pill at shoe, Well still flowing, Pump 15.5# kill pill well static, TOH				
	Circulate Gas From Well Bore, Build 80 bbls of Heavy Pill To Spot Inside Casing, 13.6 ppg pill Pumped, 5,316 Stks To Spot.;TOH F/ 17,414' T/ 16,876', Check For Flow And Well Still Flowing- 4" Stream;Circulate Hole While Building Weighted Pill, Pumped 80 bbls Of 14.0 # @ 5,316 Stks To Spot Inside Casing. Well Still Flowing The Same;TOH T/10,606' While Pumping @ 50 SPM On Every Stand Until Casing Point. Hole Still Flowing And Swabbing When Pipe Was Pulled;Pump and spot 80 bbl of 14# pill @ 10,606' around shoe, Monitor well on trip tank, Well flowing, Shut in well- 100 psi on backside;Circ and mix 80 bbl of 15.5# kill pill;Pump 15.5# kill mud @ 10,606', Monitor well on trip tank well static;Pump out of hole first 4 stands F/10,606' due to swabbing, filling hole down drill pipe, Noticed swabbing stopped and well was still static. Started pulling pipe with elevators and making sure back side was taking proper fill					
	ACTIVITY PLANNED:	Trip in hole, Drill 6.75" lateral section				
	DAILY JOB COST:	\$50,766	TOTAL JOB COST:		\$2,977,172	
	TOTAL WELL COST:	\$2,977,172				
Aug 10 2016	MD: 17,425	TVD: 11,284	FOOTAGE: 11	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	TOH, C/O BHA, TIH T/10,510', CDL, W&R, TIH T/17,361', CBU, Rig Service, Wash To Bottom, Slide/Drill 6.75" Lateral Section				
	Finish TOH For Bit, Remove Rotating Head And Install Trip Nipple;LD Directional Tools, Motor, Bit And Cross Over, Pick Up 5" mud motor ( 6/7 lobe, 8.0 stg, 1.75 Fixed, Slick, 0.86 RPG) and 6-3/4" Security MM53D, (Jets 3x16 2x18) TFA 1.086;TIH W/ BHA #15 To Drill Lateral Section, Fill Every 25 Stands, Stop @ 10,510' Remove Trip Nipple And Install Rotating Head;Slip And Cut 50' Of Drilling Line, Safety Valve Installed In Drill String, E- Brake Locked;Wash And Ream F/10,714' T/13,338' While Circulating 15# Pill Back To Surface .;Trip In Hole F/13,338' T/17,073';Wash And Ream F/17,073' T/17,414' Due To Taking Weight;Pump Sweep To Clean Hole, And Circulate Out Trip Gas, ( 30' Flare) 3,400 Units Of Gas;Service Rig, And Change Hose On Top Drive;Slide 6.75" Lateral section F/17,414' T/17,425', Wob 25-35k, Diff 125-275, Gpm 230					
	ACTIVITY PLANNED:	Slide/Drill 6.75" Lateral Section				
	DAILY JOB COST:	\$58,678	TOTAL JOB COST:		\$3,035,850	
	TOTAL WELL COST:	\$3,035,850				
Aug 11 2016	MD: 18,807	TVD: 11,286	FOOTAGE: 1,382	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	Drill/Slide 6.75" Lateral Section F/17,425' T/18,024', Rig Service, Drill/Side, F/ 18,024' T/ 18,807', Work On Mud Pump				
	Drill/ Slide F/ 17,425' T/ 18,024', Gpm 290, Rpm 70, Diff Psi 1,100. Loses 22 bbls/hr. Hole Cleaning Going Well;Service Rigs, Draw Work, Top Drive And ST-80, Trip Crown Stop, Inspect Brake Pads;Drill/ Slide F/ 18,024' T/ 18,807', Gpm 290, Rpm 70, Diff Psi 1,100. Loses 22 bbls/hr;Lost 400 Psi On Mud Pump #1, Swapped To #2 Had no Pressure, Found Valve And Seat Washed					
	ACTIVITY PLANNED:	Drill/Slide 6.75" Lateral SectionDrill				
	DAILY JOB COST:	\$80,760	TOTAL JOB COST:		\$3,116,610	
	TOTAL WELL COST:	\$3,116,610				

WELL: UL Rock of Ages 3922-17 1H

Aug 12 2016	MD: 18,893	TVD: 11,286	FOOTAGE: 86	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	Change valve and seat, Drill/slide T/18,864, Change rotating head, Drill/slide T/18,893', Pump/Ream out of hole to shoe, Spot 15.5 # pill at shoe, Trip out of hole, Change bha, Trip in hole				
	Change valve and seat on #1 mud pump, Found rocks in valves, well shut in with 320 psi on backside;Drill/ Slide F/ 18,807' T/ 18,864', Gpm 290, Rpm 70, Diff Psi 1,100. Loses 22 bbls/hr;Change out rotating head due to bearing locked up;Drill/ Slide F/ 18,864' T/ 18,893', Gpm 290, Rpm 70, Diff Psi 1,100. Loses 22 bbls/hr;Back ream out of hole due to tight and swabbing, F/18,893' T/17,745;Pump out of hole due to swabbing F/17,745' T/10,606';Circulate B/U and get gas out ( 4100 units), Spot 15.5 pill @ shoe, Monitor well on trip tank well static;Trip out of hole @ 125' per min, While monitoring well on trip tank					
	ACTIVITY PLANNED:	Drill/Silde 6.75" lateral section				
	DAILY JOB COST:	\$66,380	TOTAL JOB COST:		\$3,182,990	
	TOTAL WELL COST:	\$3,182,990				
Aug 13 2016	MD: 19,110	TVD: 11,283	FOOTAGE: 217	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	LD BHA and PU new BHA, TIH T/13,055', Circ 15.5 ppg pill out of hole, TIH T/16,460', Change out saver sub, TIH T/18,893', Drill/slide T/19,110';				
	L/D NMDC, MWD And Drained Mud Motor, PU New MM53D Bit And New Motor. Make Up And Test MWD Tool.					
	6.75" MM53D, 5" MOTOR (7/8 lobe, 8.4 stage, 1.75 FIX 0.7 RPG), Float Sub, Reamer, Pony Collar, UBHO, HDS-1 NMDC, NMDC, NMDC, Reamer, X-Ott;TIH F/ 155' T/ 10,364' Fill Pipe Every 30 Stands;Pull Trip Nipple And Install Rotating Head.;TIH F/ 10,364' T/ 13,055';L/D Wash Out Joint On Box End, Circulate 15.5 Pill Out Of Hole Before Tripping To Bottom To Drill;T.I.H. F/13,055' T/16,460';Change Out Saver Sub On Top Drive Due To Wash Out;TIH F/16,640' T/18,608';Wash And Ream F/18,608' T/18,893';Drill/Slide 6.75" Lateral Section F/18,893' T/19,110', Wob 20-25k Gpm 280 Rpm 70 TQ 8-12k					
	ACTIVITY PLANNED:	Drill/Slide 6.75" lateral section				
	DAILY JOB COST:	\$81,050	TOTAL JOB COST:		\$3,264,040	
	TOTAL WELL COST:	\$3,264,040				
Aug 14 2016	MD: 20,168	TVD: 11,282	FOOTAGE: 1,058	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	Drill/Slide T/19,568', Rig Service, Dill/Slide T/19,874', Trip To Find Wash In Pipe, Wash And Ream To Bottom, Drill/Slide T/20,168'				
	Drill/Slide Lateral Section F/ 19,110' T/ 19,568' Gpm 290, Diff Psi. 900, Wob 25, Rpm 70;Service Rigs Top Drive, Catwalk, Draw Works And ST-80, Inspect Brakes And All Moving Parts.;Drill/Slide Lateral Section F/ 19,568' T/ 19,874' Gpm 290, Diff Psi. 900, Wob 25, Rpm 70;Losing Pump Pressure While Drilling 400Psi, Pressure Test Everything On Surface Equipment And Was Good;;Trip Out Of Hole For Suspected Wash Out On Pipe, Pulled 4 Stands T/19,409' Found Pipe Backed off At Connection And Washed Out On Tool Joint And Pin End, Replaced Both Joints Of DP, Screwed In To String To ensure We Got All Pressure Back, Pressure Was Back To Normal;Wash And Ream Back To Bottom F/19,409' T/19,874';Drill/Slide Lateral Section F/ 19,874' T/ 20,168' Gpm 290, Diff Psi. 900, Wob 25, Rpm 70					
	ACTIVITY PLANNED:	Drill/Slide 6.75" Lateral Section				
	DAILY JOB COST:	\$100,538	TOTAL JOB COST:		\$3,364,578	
	TOTAL WELL COST:	\$3,364,578				
Aug 15 2016	MD: 21,365	TVD: 11,277	FOOTAGE: 1,197	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	Drill/Slide T/ 21,365'				
	Drill/ Slide F/ 20,168' T/ 20,717', Gpm 290, Diff Psi. 950, Rpm 70, Wob 40;Service Rigs Top Drive, ST-80, Catwalk, Draw Works And All Moving Parts.;Drill/ Slide F/ 20,717' T/ 21,365', Gpm 290, Diff Psi. 950, Rpm 70, Wob 40					
	ACTIVITY PLANNED:	TD Well, Circ. Hole Clean				
	DAILY JOB COST:	\$64,000	TOTAL JOB COST:		\$3,428,578	
	TOTAL WELL COST:	\$3,428,578				
Aug 16 2016	MD: 21,835	TVD: 11,273	FOOTAGE: 470	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	Drill T/21,835' TD, CBU x4, Short Trip, TIH to bottom, CBU x1, Pump Out Of Hole				
	Drill Lateral Section F/21,365' T/ 21,835', (TD well @ 13:00), Gpm 290, Rpm 65, Diff Psi. 1,000, Wob 32;Circulate To Clean Lateral Section For 5.5" Casing Run, Pump Sweeps. Watch Torque And Pressure To ensure Hole Is Cleaning. CBU x4 Before Tripping Out.;Pump Out Of Hole F/21,835' T/19,952, Work Tight Spot @ 20,100' - 20,025';Circulate Gas Out Through Gas Buster ( 30' Flare);Wash And Ream F/20,025' T/21,835', Work Through Tight Spot @ 21,413' - 21,475';CBU, Shakers Look Good;Pull Out Of Hole With 40 Stk, Pulling 100' Per Min. Monitoring Well T/18,800'					
	ACTIVITY PLANNED:	LDDP, Run 5.5" Production Casing				
	DAILY JOB COST:	\$39,792	TOTAL JOB COST:		\$3,468,370	
	TOTAL WELL COST:	\$3,468,370				

WELL: UL Rock of Ages 3922-17 1H

Aug 17 2016	MD: 21,835	TVD: 11,274	FOOTAGE:	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	Pump out of hole to shoe, Cut drill line, Rig service, Spot 15.5# pill at shoe, LD 4.5" DP, LD Directional Tools, Pull Wear Bushing, C/O Double Pin On Top Drive				
	Finish Pumping Out Of The F/ 18,320' T/ 10,514' @ 40 SPM, Watch For Tight Spots;Slip And Cut 127' Of Drill Line And Torque Dead Man Bolts To 320 ft/lb;Rig Service, Service Top Drive And Catwalk For Drill Pipe L/D;CBU And Spot 15.5# Weighted Pill Inside Casing;Start Laying Down Drill String To Run 5.5" Production Casing;LD All Directional Tools;Remove Wear Bushing, And Change Out Double Pin On Top Drive					
	ACTIVITY PLANNED:	Run 5.5" Production casing				
	DAILY JOB COST:	\$48,765		TOTAL JOB COST:	\$3,517,135	
	TOTAL WELL COST:	\$3,517,135				
Aug 18 2016	MD: 21,835	TVD: 11,274	FOOTAGE:	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Dewayne Wilkerson				PBTD:
	PRESENT OPERATIONS:	PJSM with casing crew, RU Casing crew, Run 5.5" production casing				
	Finish changing double pin on top drive;PJSM with pipe pro casing crew;RU pipe pro casing crew;Make up shoe track and test, Good test;Change out casing tongs due to hydraulic leak;Run 5.5" casing 23# P-110, F/214' T/10,521' @ 100 ft/min, Installed casing rotating rubber, Run casing T/12,000';CBU to ensure the 15.5# pill was out of hole @ 40 Stk, had very little flow 5%;Run 5.5" casing 23# P-110, F/10,521' T/15,425' @ 50 ft/min					
	ACTIVITY PLANNED:	Land casing and cement				
	DAILY JOB COST:	\$39,898		TOTAL JOB COST:	\$3,557,033	
	TOTAL WELL COST:	\$3,557,033				
Aug 19 2016	MD: 21,835	TVD: 11,265	FOOTAGE:	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	Run 5.5" production casing T/21,817', CBU, Rig up black hawk and cementers, cement 5.5" production casing				
	Run 5.5" casing 23# P-110 GeoCon, F/15,425' T/21817' @ 50 ft/min. Total joints ran 504 shoe at 21,817 and FC at 21,733' with marker joints at 16,811', 11,819', 10,758';Circulate B/U @ 21,817', Gpm 152 Psi 2,400;PJSM with Schlumberger cementers and black hawk hands;Rig up black hawk rotating cementing head, rig down casing crew and rig up cementers					
	ACTIVITY PLANNED:	Wait on cement, Lay down drill pipe out of mouse hole				
	DAILY JOB COST:	\$112,768		TOTAL JOB COST:	\$3,669,801	
	TOTAL WELL COST:	\$3,669,801				
Aug 20 2016	MD: 21,835	TVD: 11,272	FOOTAGE:	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	Cement 5.5" Production Casing, Shut in well, Lay down drill pipe out of mouse hole				
	Pump 20 BBLS of diesel with rig pump, drop plug and put SLB on the hole. While rotating 10 RPM's with TRQ @ 14-16K, Pump 40 bbls mud push, chased with 1112 sks (233 BBLS) of ClassH: POZ 14.5# cement with additives, drop plug and displace with brine water 461 BBLS. Bump plug hold 500 psi over circulating 4900 psi for 5 min. Check floats. OK. bleed back 8 BBLS. TOC at 10208'. (7-5/8 shoe @ 10,755')					
	RD Blackhawk and SLB tools. Hold casing with blocks and shut in well bore backside (550psi);Lay down drill pipe in mouse hole with tuggers. Continue monitoring well bore pressure stable at 1020 psi.					
	Offline: Haul OBM back to Anchor and clean mud pits.;Bleed off pressure off back side didn't get any fluid back, Pump down back side with water took half a bbl. Bleed off pressure on casing head valve, ( Well Dead );Nipple down BOP to lift stack and set slips.					
	ACTIVITY PLANNED:	Wash Rig and prepair for rig move				
	DAILY JOB COST:	\$768,068		TOTAL JOB COST:	\$4,437,869	
	TOTAL WELL COST:	\$4,437,869				
Aug 21 2016	MD:	TVD:	FOOTAGE:	MW: 13.3	LB	PTD:
	RIG SUPERVISOR:	Jake Richter				PBTD:
	PRESENT OPERATIONS:	Nipple down and set slips on casing, Rig down and move camps and drill pipe to new laction				
	Finish nipple down BOPE and Install B section with GE wellhead. Finish cleaning pits					
	Offline: Move camps and begin RD;RD TDS, Back Yard, and move all misc loads.					
	Release rig to Three Elk State 4041-27 1H @ 8/21/2016 06:00					
	ACTIVITY PLANNED:	move rig to new location				
	DAILY JOB COST:	\$29,225		TOTAL JOB COST:	\$4,467,094	
	TOTAL WELL COST:	\$4,467,094				