

WELL: ARCO UNIVERSITY 1

Hibernia Resources III, LLC

DAILY OPERATIONS

FIELD:	BENEDUM (DEVONIAN, GAS)	Workover AFE Number	CWO-200401
COUNTY/STATE:	UPTON/TEXAS	TOTAL AFE:	\$0
PTD:			
LOCATION:	GIS LAT (NAD27) 31.316359 GIS LONG (NAD27) -101.812824 GIS LAT (NAD83) 31.316506 GIS LONG (NAD83) -1		
ELEVATION (RKB):			
API #:	42-461-32064		
SERIAL NO:			
SPUD DATE:			
OBJECTIVE:			
JOB NAME:	SWD Conversion 10/2021		
CONTRACTOR/RIG#:	/		

Oct 16 2021	RIG SUPERVISOR:		FW:	0.0
	PRESENT OPERATIONS:			
	DRIVE TO WORK OVER BAD ROAD;RD WELLHEAD FLOWLINE & KIMRAY VALVE & ACCESORIES-GET BOBCAT TO MOVE ALL CALICHE DUMPED ON LOCATION COVERING UP 1 ANCHOR-MIRU LD MACH & 2 SETS RACKS-PUMP 40 BBLs DOWN CSG-1000 TO VAC-PUMP 40 BBLs DOWN TBG 1200 TO VAC-KNOCK DOWN MESQUITE TREES CLEAN UP LOCATION RU FALCON WS-SIW			
	DAILY JOB COST:	\$9,785	TOTAL JOB COST:	\$9,785
	TOTAL WELL COST:	\$32,889		

Oct 19 2021	RIG SUPERVISOR:	John Blevins Jr - 432-661-5763	FW:	0.0
	PRESENT OPERATIONS:	RU and pull tubing		
	DRIVE TO WORK;TBG=0,CSG=1000-PUMP 60 BBLs DOWN CSG-WELL ON VAC-WORK ON CORRODED STUDS & LOCKING PINS/PACKING NUT-HAD TO PULL PACKING GLANDS OUT OF WELLHEAD-LD TBG FLG-PREP TO INSTALL BOP-WELL FLOWING-INSTALL TBG FLANGE-WELL FLOW OUT 2 HOLES IN FLG-PUMP 200 BBLs @ 4 BPM-REDUCE FLOW-GO GET PRODUCED WATER @ BOSS HOGG BATTERY-GO TO RANKIN TO GET SUPPLIES TO FIX PROBLEM-SYSTEM DOWN WONT SELL-DRIVE TO LOCATION & WELL HAD DIED ON ITS OWN-JUST MEDIUM BLOW-GET WELDER TO CUT OFF LOCKING PINS & WELD BEAD AROUND STEM-INSTALL IN FLG-PUMP 100 BBLs 10# BWPU BOP-WRONG STUDS-ORDER STUDS -BRING SHORT ONES NEED LONG 600 SERIES STUDS-SIW			
	ACTIVITY PLANNED:	RU and pull tubing		
	DAILY JOB COST:	\$10,701	TOTAL JOB COST:	\$20,486
	TOTAL WELL COST:	\$43,590		

Oct 20 2021	RIG SUPERVISOR:	John Blevins Jr - 432-661-5763	FW:	0.0
	PRESENT OPERATIONS:	H-15 Test		
	DRIVE TO WORK -NO PSI ON WELL;ND TBG FLG-NU BOP-LD 188 JTS-STD 31 STDS IN DERRICK-LD 93,S/N,4' PERF SUB,2 JTS MA-ALL 2 7/8-NOTIFY TRRC-MARISA-OPERATOR AT TRRC OF INTEGRITY TEST-W-15 @ 11:30;TIH W/5 1/2 17# ARROWSET PKR W/S/N ON 62 JTS 2 7/8-SET PKR @ 2010'-LOAD CSG W/30 BBLs-PSI TES 500 PSI-GOOD TEST-SIW-WILL CHART TEST WEDNESDAY;SDFN			
	ACTIVITY PLANNED:	H-15 Test then POOH with packer. PU and RIH with bit and tbg to drillout plug		
	DAILY JOB COST:	\$9,260	TOTAL JOB COST:	\$29,746
	TOTAL WELL COST:	\$52,850		

Oct 21 2021	RIG SUPERVISOR:	John Blevins Jr - 432-661-5763	FW:	0.0
	PRESENT OPERATIONS:			
	CREW DRIVE TO WORK-KT RUNS TRIAL H-5 TEST;WAIT ON TRRC TO OPEN;TALK TO ALEX IN MIDLAND& IVY IN SAN ANGELO-BILLY CAME OUT TO WITNESS TEST-TEST 30 MIN-GOOD TEST-DURING THIS TIME LOAD OUT 2 7/8 8RD TBG;UNSEAT PKR-LD 62 JTS TBG;MI RENTAL TBG-WORK PROTECTERS & TALLY TBG-MU 4 3/4 BEARCLAW,BIT SUB,4-3 1/8 DCS & PU 168 JTS PH-6-DURING THIS TIME-MIRU REV UNIT & FRAC TANK-FILL TANK W/PRODUCED WATER			
	DAILY JOB COST:	\$27,851	TOTAL JOB COST:	\$57,597
	TOTAL WELL COST:	\$80,701		

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Oct 22 2021	RIG SUPERVISOR: John Blevins Jr - 432-661-5763 PRESENT OPERATIONS: CREW DRIVE TO WORK;PU TOP ROW TBG-WORK & TALLY BTM ROW-PU TBG TO TOP OF PERFS-TOTAL PIPE IN HOLE=335 JTS-SIW-WILL DRILL OUT FRIDAY; DAILY JOB COST: \$9,480 TOTAL WELL COST: \$90,181	TOTAL JOB COST: \$67,077	FW: 0.0
Oct 23 2021	RIG SUPERVISOR: John Blevins Jr - 432-661-5763 PRESENT OPERATIONS: CREW DRIVE TO WORK;RUN 19 JTS IN HOLE-PU POWER SWIVEL-W& R TO 11293-APPEARS CIBP IS ON PBTD-FLUSH WELL W/550 BBLs DURING TIH & DRLG TO PBTD-WELL CHARGED UP-FLOW BACK-RD POWER SWIVELLD 105 JTS-SIW DAILY JOB COST: \$11,785 TOTAL WELL COST: \$101,966	TOTAL JOB COST: \$78,862	FW: 0.0
Oct 26 2021	RIG SUPERVISOR: John Blevins Jr - 432-661-5763 PRESENT OPERATIONS: CREW DRIVE TO WORK-WELL ON VAC;ND STRIPPER HEAD-LD 201 JTS-PULL WET STRING W/VAC TRUCK ON CELLAR-X/O TO DCS PLUGGED-LD ALL TBG & 4 3 1/8 DCS-SIW;PREP LOCATION FOR INSTALL OF TBG HEAD & FRAC VALVE TUESDAY DAILY JOB COST: \$17,266 TOTAL WELL COST: \$119,232	TOTAL JOB COST: \$96,128	FW: 0.0
Oct 27 2021	RIG SUPERVISOR: John Blevins Jr - 432-661-5763 PRESENT OPERATIONS: CREW DRIVE TO WORK-WELL 0 PSI;LOAD OUT RENTAL TBG & RACKS-DRESS OFF LOCATION W/BACKHOE COVERING UP WET STRING MESS-ND BOP-START TO ND TBG HEAD-FOUND I HAD ORDERED WRONG FLANGE SIZE-NEED 11" 3M INSTEAD OF 11" 2M-WILL MACHINE FLANGE AND BE INSTALLED WEDNESDAYNU BOP-SIW DAILY JOB COST: \$8,525 TOTAL WELL COST: \$127,757	TOTAL JOB COST: \$104,653	FW: 0.0
Oct 28 2021	RIG SUPERVISOR: John Blevins Jr - 432-661-5763 PRESENT OPERATIONS: CREW DRIVE TO WORK-DEEP WATER IN POT HOLES IN ROAD-0 PSI ON WELL;ND BOP-ND 7 1/16 2 X 11" 2 TBG HEAD-PUT FINISH BEVEL ON CUT-NU 11" 3 X 7 1/16 5 TBG HEAD W/ 5M FRAC VALVE TO 3" 1502 UNION-SIW-REL RIG -TOO WINDY TO RD DAILY JOB COST: \$14,486 TOTAL WELL COST: \$142,243	TOTAL JOB COST: \$119,139	FW: 0.0
Jan 4 2022	RIG SUPERVISOR: Ryan Lambert 432-488-8604 PRESENT OPERATIONS: No Activity;MIRU Integrity WL, crane, and 5K lubricator. MU and measure GR/CCL logging BHA.;Stab on well, BU tool string, equalize lubricator, opened well and lost communication with gamma ray. Closed well to inspect BHA. Unable to get the frac valve to seal off and hold pressure. Unable to come off well. Call J&W tech & grease unit to work on frac valve.;J&W tech AOL. Greased valved, with no luck.;SDFN ACTIVITY PLANNED: Kill Well, Replace Frac Valve, Log Well DAILY JOB COST: \$3,135 TOTAL WELL COST: \$145,378	TOTAL JOB COST: \$122,274	FW: 0.0
Jan 5 2022	RIG SUPERVISOR: Ryan Lambert 432-488-8604 PRESENT OPERATIONS: No Activity;SICP 1200 psi. Kill well with 90 bbls of 10# brine. Monitor well 0 psi, confirmed dead well;LD lubricator, change out frac valve. Cut 200' of wireline, rehead. MU 2.75" GR/CCL and 3.10" weight bar.;RIH with GR/CCL. Tag PBTD at 11332'. Correlate to depth tagged with bit at 11293'. Log from 11,293' - 10,500' POOH.;First delivery of 20' guns AOL.;PU 20' 3SPF .41 EHD 22" penetration gun and RIH. Tag and correlate to PBTD at 11293'. Catch 3 collars to confirm depth. Perforate at 11206'-11226', POOH. ASF;RIH. Tag and correlate to PBTD at 11293'. Catch 3 collars to confirm depth. Perforate at 11180'-11200'. POOH. ASF;SDFN ACTIVITY PLANNED: Perforate, Set packer w/ wireline DAILY JOB COST: \$1,875 TOTAL WELL COST: \$147,253	TOTAL JOB COST: \$124,149	FW: 0.0

Jan 6 2022	RIG SUPERVISOR: PRESENT OPERATIONS: No Activity;Get equipment ready to RIH and wait on daylight.;RIH with 20' 3 SPF .41 EHD 22" penetration guns. Correlated to 3 collars each run to confirm depth. Made 8 runs and perforated at 11145'-11165', 11065'-11085', 11025'-11045', 10990'-11010', 10945'-10965'. 10916'-10936', 10866'-10886', 10825'-10845', 10790'-10810', 10746'-10766'. ASF;SDFN	Ryan Lambert 432-488-8604	FW: 0.0
	ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	Perforate, Set packer w/ wireline \$1,875 \$149,128	TOTAL JOB COST: \$126,024
Jan 7 2022	RIG SUPERVISOR: PRESENT OPERATIONS: No Activity;Get equipment ready to RIH and wait on daylight.;RIH with 20' 3SPF .41 EHD 22" penetration guns. Catch 3 collars each run to confirm depth. Made 3 runs and perforated at 10710'-10730', 10668'-10688', 10622'-10642'. ASF	Ryan Lambert 432-488-8604 Bobby Saling	FW: 0.0
	Ramco backhoe here to clear location;RIH with 5.5" 17# AS1X packer with pump out plug (6 screws). Catch 3 collars to confirm depth. Set packer at 10971'. Fluid level 9300'.;RDMO Integrity WL;Move rig in, spot and rig up. Spot laydown machine and racks. Unload workstring. Ramco backhoe cleared location. Wait on last truck with more workstring.;Unload last of the workstring, tally.;SDFD	MIRU ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	Set LD machine and racks \$39,175 \$188,303
		TOTAL JOB COST:	\$165,199
Jan 8 2022	RIG SUPERVISOR: PRESENT OPERATIONS: Drive to location;Blow well down and kill with 40 bbls brine. ND frac valve and NU BOP.;Pick up on-off tool and joint of 2 7/8" tubing. Start in the hole with tubing. On-off tool will not go inside wellhead. The internal gasket inside tubing head is swelled out and needs to be replaced. Call J&W wellhead and wait on tech.;J&W AOL. ND tubing head. The inner seal has rolled over the top of the cut on casing. Replace seal assembly and NU tubing head.;Pick up on-off tool and start in the hole with workstring.;Tag packer at 10,971', space out and land tubing on packer with 35K compression.;Close well in and SDFD	Ryan Lambert 432-488-8604 Bobby Saling	FW: 0.0
	Run tubing ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	Pick up tubing and land on packer \$55,175 \$243,478	TOTAL JOB COST: \$220,374
Jan 11 2022	RIG SUPERVISOR: PRESENT OPERATIONS: Drive to location;Cudd rig up for acid job. Test lines;Fill tubing with 45 bbls water, pressure to 3500# and bust disc. Continue pumping water, 5 BPM at 3500#;Start acid, pumping 6 BPM at 4800#. With acid on perms, no drop in pressure. Pumping 7 BPM at 4850#. Drop balls. With balls on perms, not much pressure change. Pumping 7.1 BPM at 4900#. Continue pumping acid and dropping balls. About half way through the job, started getting pressure drop with ball action. With 355 total bbls pumped, 7.2 BPM at 4150#;Start flush. At end of flush, 520 total bbls pumped, 7.2 BPM at 3300#. ISIP of 2332#. After 10 minutes 1578#, after 20 minutes 1418# after 30 minutes 1230#. Close well in and rig down Cudd;SDFD	Ryan Lambert 432-488-8604 Bobby Saling	FW: 0.0
	Cudd acid job ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	Do acid job and shut well in \$68,925 \$312,403	TOTAL JOB COST: \$289,299
Jan 12 2022	RIG SUPERVISOR: PRESENT OPERATIONS: Drive to locaton;Check tubing pressure, tubing on vac. Blow down casing and release packer. Start out with tubing;Out with tubing and packer. Packer missing 2 rubbers. Wait on Cudd to unload acid into tanks.;Rig up wireline. RIH with junk basket to 11,100', PBOH.;Pick up 5 1/2" composite bridge plug and RIH on wireline. Ran plug to setting depth at 10,971', plug would not set. Pull back out of the hole. Found short in setting tool.;Wait on another composite plug to be delivered.;Well Boss here with another plug. Install plug on setting tool and RIH;Back on setting depth of 10,971', plug still will not set. POOH and close well in. Will change out setting tool in the morning and try again;SDFD	Ryan Lambert 432-488-8604 Bobby Saling	FW: 0.0
	Pull tubing ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	Release packer and pull tubing. Set plug \$44,575 \$356,978	TOTAL JOB COST: \$333,874

Jan 13 2022	RIG SUPERVISOR: PRESENT OPERATIONS: Drive to location;Well dead. Integrity wireline changed out setting tool, cut off 50' of line and reheaded;Install new CBP and RIH. Run plug to setting depth of 10,971, set plug and POOH. Rig down and release wireline. ND BOP and NU frac valve. Rig up casing saver. Cudd to start rig up.;Cudd rig up complete.;Test lines to 7500#. Open well, no pressure. Start break down. Casing loaded with 138 bbls, 21 BPM at 1500#. Start acid. Pump stages 1-3. With sand in wellbore we have a line leak, went to flush. Flush a total of 248 bbls, 30 BPM at 3650#. Fix leak and start stage 4 on acid, 30 BPM at 3300#. Continue rest of stages. Had good ball action. Pressure to 4250#. On stage 11, lost barrel counter. Set computer for 21.5 BPM to keep track of bbls to drop balls and sand;Start flush. 26 BPM at 3900#. ISIP of 2978, 10 minutes 2484, 20 minutes 2256, 30 minutes 2160.;Close well in and SDFD	Ryan Lambert 432-488-8604 Bobby Saling	FW: 0.0
	ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	Do acid frac \$22,875 \$379,853	TOTAL JOB COST: \$356,749
Jan 14 2022	RIG SUPERVISOR: PRESENT OPERATIONS: SDFD;Drive to location;Wait on Cudd to rig down off the well. Equalize well through tree saver. Check pressure, casing has 1100#. Close master and rig down tree saver. Hook up flow line to flowback tank. Flow well back for 50 minutes, pressure down to 200#;Hook up pump truck and pump brine to kill. Pumped 75 bbls 10# brine, pressure climbed to 800#. Shut well in and sent pump truck after more brine. While pump truck was gone, pressure fell from 800 to 500#;Pump 75 more bbls brine. Pressure at 750#. Will have some 11.6# kill fluid here in the morning.;Close well in. Move racks and laydown machine back in place.;SDFD	Ryan Lambert 432-488-8604 Bobby Saling	FW: 0.0
	ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	Kill well and run tubing \$216,675 \$596,528	TOTAL JOB COST: \$573,424
Jan 15 2022	RIG SUPERVISOR: PRESENT OPERATIONS: Drive to location;Check pressure on casing. Well has 100#. Hook up pump truck and pump 20 bbls 11.6 kill fluid, well dead. ND frac valve and NU BOP. Take delivery of 3 1/2" injection tubing;Pick up 4 3/4" bit and bit sub. RIH with tubing;Tag a little high at 10,866', rig up swivel and pump.;SD for lunch;Break circulation and start washing down. Washed to frac balls and spent some time on them. Tag plug at 10,965'. Cut plug and lost circulation. Continue running tubing from racks.;Ran to hard tag at 11,273'. Rotated with swivel, no hole made. Lay down swivel and start out with tubing, laying down on the racks.;Out with 100 joints. Close well in and SDFD	Ryan Lambert 432-488-8604 Bobby Saling	FW: 0.0
	ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	Drill out plug \$15,925 \$612,453	TOTAL JOB COST: \$589,349
Jan 18 2022	RIG SUPERVISOR: PRESENT OPERATIONS: Drive to location;Open well, well on vac. Finish rig down of swivel and ND drilling head.;Continue laying down workstring. Take delivery of tree and hanger for J&W. Release frac tanks;SD for lunch;Lay down the remaining 70 joints of the workstring;Out with tubing and BHA, lay down bit. Rig up Integrity WL. Pick up WL set packer and RIH;Ran packer to 9780' and it set down. Pulled packer loose and POOH.;Out with packer. Had a few scratches on the bottom sleeve and rubber seems to be swelled. Put 4.650" gauge ring on junk basket and RIH. Ran past the spot at 9780' with no tag or drag. Ran to 10,800' and POOH;Out with junk basket, it was empty. Close well in and SDFD. Will run a new packer in the morning	Ryan Lambert 432-488-8604 Bobby Saling	FW: 0.0
	ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	Set injection packer \$52,225 \$664,678	TOTAL JOB COST: \$641,574
Jan 19 2022	RIG SUPERVISOR: PRESENT OPERATIONS: Drive to location;Open well, well dead. Pick up another 5 1/2" Wireline set packer and RIH;Packer made it past the spot at 9870'. Ran to 10,550' and set. POOH with WL. Rig down and release Integrity WL;Move in the 3 1/2" 8rd tubing with the Ultra tube liner, tally.;Pick up seal assembly for WL packer and RIH with 3 1/2" injection tubing from racks.;SD for lunch;Continue running 3 1/2" tubing;With 190 joints in the hole, tie back on 4 lines and close well in.;SDFD	Ryan Lambert 432-488-8604 Bobby Saling	FW: 0.0
	ACTIVITY PLANNED: DAILY JOB COST: TOTAL WELL COST:	Set packer and run 3 1/2" tubing \$18,500 \$683,178	TOTAL JOB COST: \$660,074

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Jan 20 2022	RIG SUPERVISOR:	Ryan Lambert 432-488-8604 Bobby Saling	FW:	0.0
	PRESENT OPERATIONS:	Finish running 3 1/2" tubing		
		Drive to location;Open well and finish running 3 1/2" tubing;Tag packer at 10,550' and space out. Install hanger. Hook up pump truck to casing. Pump 120 bbls packer fluid with no return up tubing.		
		Sting into packer with seal assembly and land hanger in tubing head, 25K on packer. Fill casing and test to 550#, hold for 30 minutes.		
		Pressure increased by 75# due to fluid heating up.;Hook pump truck on tubing, fill tubing with 80 bbls fluid and bust disc at 600#. Pump 4 BPM at 0# pressure;ND BOP and NU production tree.;Rig down;Clean up location and move out		
	ACTIVITY PLANNED:	Land on packer and test		
	DAILY JOB COST:	\$37,600	TOTAL JOB COST:	\$697,674
	TOTAL WELL COST:	\$720,778		

Jan 27 2022	RIG SUPERVISOR:	Rob little	FW:	0.0
	PRESENT OPERATIONS:	H5 and step rate test		
		SDFN;MIRU Big E pump down		
		RU Force 3" 1502 WH flange		
		MI Rainrock 60' manlift;Perform H5 test		
		Held 533 psi for 30 min		
		Representative from RRC witnessed test (Ronnie Conyer). Job No.: 286945;SITP: 1090 psi		
		Load tubing with 120 bbls FW due to gas cap in tubing. Qavg: 10 bpm, Pavg: 1769 psi, ISIP: 120 psi - on vacuum in 3 minutes.;SITP: 0 psi		
		Performed step rate test:		
		2 bpm @ 64 psi		
		4.3 bpm @ 645 psi		
		8.1 bpm @ 2123 psi		
		12.0 bpm @ 4263 psi		
		16.0 bpm @ 6951 psi		
		16.6 bpm @ 7783 psi		
		Total bbls: 270		
		ISIP: 1221 psi, 5 min: 923 psi, 10 min: 835 psi, 15 min: 768 psi;RDMO Big E pump down		
		RD Force 3" 1502 WH flange		
		MO Rainrock 60' manlift;SDFN		
		Turn well over to XRI		
	ACTIVITY PLANNED:	Shut in and turn over to XRI		
	DAILY JOB COST:	\$154,976	TOTAL JOB COST:	\$852,649
	TOTAL WELL COST:	\$875,754		