

**AMEREDEV OPERATING, LLC**  
INDEPENDENCE AGI NO. 1  
(API: 30-025-48081)

DAILY DRILLING REPORTS  
(2 OF 2)

Ameredev LLC																			Report # 76				
Morning Drilling Report																							
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE									
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Tue, March 9, 2021									
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS	
		12/27/2020		72										14,052		13,965		52		7		7	
Current Operation				Slip and cut drill line @ 12,909'				Next 24 Hours				TIH, Drill @ 1 1/2" Production hole section.											
Type	Casing Specs			Top TMD	8tm TMD	ID	Drift	Burst	Collapse	Yield	Int Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size							
Surface	24			1,383	1,383											26							
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635.000	11	3	Halcem	410	14.80000	1.33000	0	635 / 410	22							
Intermediate	13.625" Q-125 88.2# BTC			0	7,150	12.375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5250.35	/	17 1/2							
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4							
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI											
Morrow				2,799	3,279	4,139	30		30		30												
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT. 24 HRS.			COST/FT. (OA)			LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP							
5.0	6.500	266.3933053	420	167	1.31							13,235		13.2		2,271							
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE			SPM #2	GPS #3	LINER X STROKE			SPM #3	GPM	PUMPS		PUMP PRESSURE					
3.52	5.5			12	73	3.52			5.5	12	73			514	2.460								
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT							
9.9	9.9	40.0	40.0	5.0	30.0	6.0	15.0	106.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0							
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	D W	LIME	ES	LCM												
8.00	1.00	0.30	0.00	18000.00	4000.00	0.00	99.00	0.00	0.00	0.00	0.00												
PREV BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
29		8 1/2	Baker	VG28	5309822	20	20	20	0	0	0	0	0	0	0	0.9204							
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
9/1/1997 0:00	3/8/2021 14:00	13759	14052	35.14	17.14	732.110	23.4	12.5	3	7	8T	A	E	I	LT	Reason Of Non-Completion							
CUR. BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
30		8 1/2	Baker	D505TX	5316449	16	16	16	16	0	0	0	0	0	0	0.9817							
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
		0	0	31.00	40.00			0															
FUEL DELIVERED				7,200 <th colspan="4">FUEL USED TODAY</th> <td>1,770<th colspan="4">MUD ADDITIVES IN LAST 24 HOURS</th><th colspan="4">SOIL FARMING / MUD DISPOSAL</th><th colspan="4">FRESH WATER</th></td>	FUEL USED TODAY				1,770 <th colspan="4">MUD ADDITIVES IN LAST 24 HOURS</th> <th colspan="4">SOIL FARMING / MUD DISPOSAL</th> <th colspan="4">FRESH WATER</th>	MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
FUEL ON HAND				11,703	TOTAL FUEL USED				105,660	Gel				Mica <td colspan="4">ABO</td>				ABO					
PICKUP WT.				188	AVG. DRAG				15	Poly Plus				Quick Thin				PolyPac UI					
ROTATING WT.				186	MAX. DRAG				18	Caustic <td colspan="4">Soda Ash</td> <td colspan="4">Gelex</td>				Soda Ash				Gelex					
SLACKOFF WT.				185	TQ ON BTM				13,000	Bar <td colspan="4">Lime</td> <td colspan="4">Tackle</td>				Lime				Tackle					
BHA HOURS				0	TQ OFF BTM				10,000	Pac-R <td colspan="4">Alum Ster</td> <td colspan="4">Cost</td>				Alum Ster				Cost					
HOURS				TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																	
0.25	27: Other		Safety Meeting/Crew Handover.																				
1.75	2: Drilling		Rotate w/ Bit #29 From 13895' to 13933' (22"ft/hr) w/ 35 WOB, 20 Surf RPM, 176 Motor RPM.																				
2.25	2: Drilling		Slide w/ Bit #29 From 13933' to 13978' (20"ft/hr) w/ 33 WOB, 0 Surf RPM, 160 Motor RPM.																				
2.00	2: Drilling		Rotate w/ Bit #29 From 13978' to 14025' (24"ft/hr) w/ 42 WOB, 20 Surf RPM, 160 Motor RPM.																				
0.50	7: Lubricate Rig		Rig Service.																				
1.25	2: Drilling		Rotate w/ Bit #29 From 14025' to 14052' (22"ft/hr) w/ 40 WOB, 20 Surf RPM, 176 Motor RPM.																				
0.25	22: Well Control		Flow Check , observe well static.																				
6.25	6: Tripping		TOH with 8 1/2" bit #29 & motor assembly from 14052 ft to BHA at 730 ft., (reduced pulling speed due to excessive wind speed).																				
0.50	6: Tripping		Remove RCD element, install trip nipple. Observe well static.																				
0.50	6: Tripping		TOH with BHA and rack back.																				
0.50	20: Directional Work		Change out bits, check motor, clean rig floor.																				
3.50	6: Tripping		TIH with 8 1/2" bit #30 and motor assembly to 3259 ft. (Iron Roughneck not functional until 1500 ft, utilize pipe spinner).																				
0.50	20: Directional Work		Fill pipe and funtion test MWD.																				
1.25	6: Tripping		Continue TIH from 3259 ft to 8005 ft.																				
0.25	6: Tripping		Install new RCD element and bearing assembly.																				
2.00	6: Tripping		Strip in hole from 8005 ft to 12,909 ft with returns back through MPD open chokes and poor-boy degasser.																				
0.50	9: Cut Drig Line		Slip and cut drill line.																				
No Accidents, Spills or Inspections to report.																							
QTY	BHA ITEM				LENGTH	TIME DISTRIBUTION				DAILY	CUM	KOP MD/TVD		Pen Ft MD/TVD		Lndg Ft MD/TVD							
1	8.5" PDC 5 Blade				1.00	1 MIRD/RDMG				0.00	81.00												
1	NOV 7" (TRUE SLICK) 6/7 7.8 ERT FXD @ 1.25				31.00	2 Drilling				7.25	323.75	Depth		Dev.		Azi		TVD	VS	DLS			
1	8" IRS Stabilizer (RFF)				6.00	3 Washing/Reaming				0.00	6.50	12,170		1.53		98		12,165		-111.08	0.22		
1	6 3/4" UBHO				3.00	4 Lost Circulation				0.00	11.75	12,264		1.42		101		12,259		-112.99	0.14		
1	6 3/4" NMDC				29.00	5 Cond. Mud & Circ				0.00	118.00	12,359		1.35		95		12,354		-114.77	0.16		
1	6 3/4" Pony				15.00	6 Tripping				14.25	440.00	12,453		1.39		91		12,448		-116.39	0.12		
15	6 1/2" DCs				455.00	7 Lubricate Rig				0.50	10.50	12,548		1.44		89		12,543		-117.99	0.06		
24	5" HWDP				726.00	8 Rig Repair				0.00	25.50	12,642		1.63		83		12,637		-119.57	0.28		
						9 Cut Drig Line				0.50	9.50	12,737		1.87		82		12,732		-121.26	0.25		
						10 Deviation Survey				0.00	0.50	12,831		2.11		85		12,826		-123.20	0.27		
						11 Wireline Logging				0.00	74.00	12,925		2.15		86		12,921		-125.40	0.07		
						12 Run Casing				0.00	94.50	13,020		2.28		84		13,015		-127.63	0.17		
						13 Cement Casing				0.00	44.75	13,115		2.60		82		13,110		-130.00	0.34		
						14 Wait On Cement				0.00	20.00	13,238		3.28		81		13,233		-133.59	0.55		
						15 NU BOP's				0.00	106.75	13,315		3.54		84		13,309		-136.27	0.80		
						16 Test BOP's				0.00	30.00	13,410		4.17		84		13,404		-140.14	0.66		
						17 Plug Back				0.00	0.00	13,504		2.55		94		13,498		-143.74	1.81		
						18 Squeeze Cmt				0.00	0.00	13,599		2.58		94		13,593		-146.85	0.04		
						19 Fishing				0.00	42.75	13,694		2.60		91		13,688		-149.92	0.14		
						20 Directional Work				1.00	31.75	13,783		3.12		81		13,777		-152.68	0.87		
						21 Weather				0.00	0.00	13,878		3.41		84		13,872		-155.85	0.32		
						22 Well Control				0.25	192.50	13,972		3.17		88		13,965		-159.27	0.34		
						23 Waiting-Orders/Equip				0.00	0.00	Planned VS		feet @		azimuth							
						24 Drill Cmt / Shoe Test				0.00	7.25	DAY DRILLING FOREMAN				CELL PHONE NUMBER							
						25 Jet & Clean Pits				0.00	0.00	Diego Barrada				CELL PHONE NUMBER							
Joints	DP ITEM	OD	#/FT	GRADE	LENGTH	26 Regulatory				0.00	54.50	NIGHT DRILLING FOREMAN				CELL PHONE NUMBER							
219	DP	5	19.5	S-135	6903.28	27 Other				0.25	79.50												
						28 Other				0.00	13.75					AMEREDDEV PERSONNEL							
						29 Other				0.00	0.00	DRILLING SUPERINTENDENT				JT Wilkerson							
						30 Other				0.00	0.00	DRILLING ENGINEER				John Zabaldano							
						31 Other				0.00	0.00	DAY CONTROL ROOM SUP				Chris Huff							
						TOTALS				24.00	1819.00	NIGHT CONTROL ROOM SUP				Andy Slusarchuk							
Cost Input																							
Cost Type	Charge	Code			Description				Vendor		Unit Cost	Quantity	Cost	Carry Over									
8500	0.094	SUPERVISION / CONTRACT			Diego Barrada/Marcus Jenkins				Rusco Operating LLC			1.0		Yes									
8500	0.094	SUPERVISION / CONTRACT			Andy Slusarchuk /Chris Huff				Rusco Operating LLC			1.0		Yes									
8500	0.024	SURFACE RENTALS			Trash trailer 2 Porta pots, Water and Septic for office trailer, 3 Light Plants				Hoppe's Construction LLC			1.0		Yes									
8500	0.024	SURFACE RENTALS			Internet & Intercoms				wersat Communications US			1.0		Yes									
8500	0.024	SURFACE RENTALS			Forklift \$150/day				Boland Field Services LLC			1.0		Yes									
8500	0.024	SURFACE RENTALS			14 x Flat bottom Frac tanks				Blueprint Oilfield Services			1.0		Yes									
8500	0.024	SURFACE RENTALS			4 Sets of pipe Bolsters				Divine Energy Services Inc			1.0		Yes									
8500	0.024	SURFACE RENTALS			4 Sets of pipe racks				Divine Energy Services Inc			1.0		Yes									
8500	0.024	SURFACE RENTALS			PVT/Chokes \$477 plus \$70 on days with gas detection				Pason			1.0		Yes									
8500	0.01	DRILLING RIG			Citadel Rig #3				Citadel Drilling			1.0		Yes									
8500	0.024	SURFACE RENTALS			1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank				Johnso Specialty Tools LLC			1.0		Yes									
8500	0.024	SURFACE RENTALS			Diverter Line, Drive over & Igniter				Iron Horse Tools LLC			1.0		Yes									
8500	0.124	TY AND EMERGENCY RESPON			H2s Compliance Package				American Safety Services, In			1.0		Yes									
8500	0.066	DS CONTROL EQUIP / SERV			Solid Control Equipment and Hands				KSW Oilfield Rental LLC			1.0		Yes									
8500	0.198	MUD LOGGING			Mud Logging Service				ckstone Analytics Mud Log			1.0		Yes									
8500	0.024	SURFACE RENTALS			Minion Tank				Think Tank			1.0		Yes									
8500	0.03	DOWNHOLE RENTALS			[12] 8" Drill Collars				Platinum Pipe Rentals LLC			1.0		Yes									
8500	0.048	LL CONTROL EQUIP / SERV			Rotating Head & MPD				Opla			1.0		Yes									
8500	0.032	DIRECTIONAL DRILLING			MWD Daily cost - Stand By				Halliburton Energy Services			1.0		Yes									
8500	0.06	D, ADDITIVES, AND CHEMIC			Mud additives & driveby mud check				Halliburton Energy Services			1.0		Yes									
8500	0.024	SURFACE RENTALS			500 BBL Mixing Tank				McAda Drilling Fluids Inc.			1.0		Yes									
8500	0.2	LINE / PERIF / PUMPDOWN			Lubricator for CBL run				Oil States Energy Services LL			1.0		No									
8500	0.016	FUEL			Dry Fuel Run				Sun Coast Resources Inc			1.0		No									
8500	0.048	LL CONTROL EQUIP / SERV			Set 9 5/8" Casing slips and test well head				GE Oil & Gas			1.0		No									
8500	0.028	DRILL BITS			8.5" Baker D505TX #5316449				Baker Hughes Oilfield			1.0		No									
8500													\$ -										
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WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE									
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Wed, March 10, 2021									
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS	
		12/27/2020		73										14,561		14,561		509		60		9	
Current Operation				Tripping out of hole to change out BHA								Need 24 Hours				TOOH, C/O BHA, TIH, Drill 8 1/2" Production Hole Section.							
Type	Casing Specs			Top TMD		Btm TMD		ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size					
Surface	24			1,383		1,383												26					
Intermediate	20" N-80 133# BTC			0		3,412		NeoCem	635,000	11	3	HalCem	410	14.80000	1.33000	0	635 / 410	22					
Intermediate	13.625" Q-125 88.2# BTC			0		7,150		12.375	12,219	10,030	4,800	3,191		0.349 bbls/ft	1,051.00000	3118.9/3350.35	/	17 1/2					
Intermediate	9.625" L-80 47# BTC			0		13,235		8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4					
FORMATION				BGG		CG		TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI									
Morrow				2,799		3,279		4,139	30		30		30										
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY		HHF/SQ IN BIT DIA		COST/FT. 24 HRS		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX ALLOWABLE SICP							
5.0	6.500	266.3933053	420	167		1.32								13.235		2,202							
GPS #1	LINER X STROKE		SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE								
3.52	5.5		12	73	3.52		5.5	12	73		73	514	2,460		0.9204								
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT							
10.0	10.0	39.0	39.0	4.0	31.0	8.0	14.0	106.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0							
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O W	LIME	ES	LCM												
8.00	0.30	0.10	0.00	20000.00	4000.00	0.00	93.00	0.00	0.00	0.00	0.00												
PREV BIT #	Re-Run	SIZE	MFG#	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
29		8 1/2	Baker	VG28	5309822	20	20	20	0	0	0	0	0	0	0	0.9204							
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
9/1/1937 0:00	3/8/2021 14:00	13759	14052	35.14	17.14	732110	23.4	12.5	3	7	BT	A	E	I	IT	Reason of Failure							
CUR. BIT #	Re-Run	SIZE	MFG#	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
30		8 1/2	Baker	D505TX	5316449	16	16	16	16	16	0	0	0	0	0	0.9817							
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
3/9/2021 10:30	3/9/2021 18:30	14052	14561	26.22	65.71	9	59.9	8.5															
FUEL DELIVERED	0			FUEL USED TODAY			MUD ADDITIVES IN LAST 24 HOURS						SOIL FARMING / MUD DISPOSAL		FRESH WATER								
FUEL ON HAND	10,013			TOTAL FUEL USED			107.350	Gel	Mica	ABO	DAILY SOLIDS								0	OWNER			
PICKUP WT.	188			AVG. DRAG			15	Poly Plus	Quick Thin	PolyPac UI	TOTAL SOLIDS								0	DAILY BBLs	0		
ROTATING WT.	186			MAX. DRAG			18	Caustic	Soda Ash	Gelex	DAILY DISPOSAL COSTS									CUM BBLs	0		
SLACKOFF WT.	185			TQ, ON BTM			13,000	Bar	Lime	Tackle	DAILY LIQUIDS								0				
BHA HOURS	0			TQ OFF BTM			10,000	Pac-R	Alum Ster	Cost	TOTAL LIQUIDS								0				
CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																							
2.00	6: Tripping		Safety meeting, TIH F/ 12900' T/ 13830'																				
2.50	3: Washing/Reaming		Wash and ream to bottom at 500 GPM, 30-80 RPM, 10-22 TQ, Cuttings/cavings (0.125-0.5" size) coming across shakers.																				
2.00	2: Drilling		Rotate w/ Bit #30 From 14052' to 14215' (82"/hr) w/ 30 WOB, 100 Surf RPM, 208 Motor RPM.																				
1.25	2: Drilling		Slide w/ Bit #30 From 14215' to 14260' (36"/hr) w/ 25 WOB, Surf RPM, 208 Motor RPM.																				
0.75	2: Drilling		Rotate w/ Bit #30 From 14260' to 14312' (69"/hr) w/ 25 WOB, 10 Surf RPM, 208 Motor RPM.																				
1.50	2: Drilling		Slide w/ Bit #30 From 14312' to 14382' (47"/hr) w/ 25 WOB, 10 Surf RPM, 208 Motor RPM.																				
0.25	2: Drilling		Rotate w/ Bit #30 From 14382' to 14405' (92"/hr) w/ 25 WOB, 100 Surf RPM, 208 Motor RPM. Drilling through MPD with both chokes fully open.																				
0.50	7: Lubricate Rig		Rig Service																				
0.50	2: Drilling		Rotate w/ Bit #30 From 14405' to 14500' (190"/hr) w/ 25 WOB, 100 Surf RPM, 208 Motor RPM. 800 Diff, 4100 psi and 10 ppg mud																				
2.25	2: Drilling		Slide w/ Bit #30 From 14500' to 14561' (27"/hr) w/ 25 WOB, Surf RPM, 160 Motor RPM. Diff 400 psi, observe stall out																				
3.50	3: Washing/Reaming		At 14561 ft observe motor stall and pressure spike. Reduce pump rate and pump out of hole, stage up from 80 gpm to 316 gpm as hole conditions would permit, not possible to rotate. Pump out to 14300 ft, attempt several times to rotate without success. Not able to pump above 316 gpm, normal pressure 1400 psi, increase as cuttings moved up the hole.																				
2.50	3: Washing/Reaming		Continue to pump out 8 1/2" bit & motor assembly with 316 gpm from 14300 ft to 13350 ft into the 12 1/4" rat hole. Observe moderate flare with 10 ppg. Pumping through MPD with both chokes fully open.																				
3.50	5: Cond. Mud & Circ		At 13350 ft increase mud weight from 10 ppg to 10.5 ppg pumping at 600 gpm with 3071 psi, 30 rpm with 15k ft/lbs torque. Observe minimal flare. While circulating and bringing mud weight up, string pressured up and blew pop-off on pump. C/O pop-off and attempt to bring pumps back up. String pressuring up with no returns. Pulled up to 13,300' with no issues. Able to rotate string with no issues. Suspected motor failure or string packoff.																				
1.00	6: Tripping		POOH to inspect BHA and change out bit, motor, and MWD tools. Current tripping depth 12,700'																				
No Accidents, Spills or Inspections to report																							
QTY	BHA ITEM			LENGTH	TIME DISTRIBUTION		DAILY	CUM	KOP MD/TVD		Pen Pt MD/TVD		Lndg Pt MD/TVD										
1	8.5" PDC S Blade			1.00	1	MIRU/RDMO	0.00	81.00															
1	NOV 7" (TRUE SUCK) 6/7 7.8 ERT FXD @ 1.25			31.00	2	Drilling	8.50	332.25	Depth	Dev.	Azi.	TVD	VS	DLS									
1	8" IBS Stabilizer (BFF)			6.00	3	Washing/Reaming	8.50	15.00	12,170	1.53	98	12,165	-111.08	0.22									
1	6 3/4" UBHO			3.00	4	Lost Circulation	0.00	11.75	12,264	1.42	101	12,259	-112.99	0.14									
1	6 3/4" NMDC			29.00	5	Cond. Mud & Circ	3.50	121.50	12,359	1.35	95	12,354	-114.77	0.16									
1	6 3/4" Pony			15.00	6	Tripping	3.00	443.00	12,453	1.39	91	12,448	-116.39	0.12									
15	6 1/2" DCs			455.00	7	Lubricate Rig	0.50	11.00	12,548	1.44	89	12,543	-117.99	0.06									
24	5" HWDP			726.00	8	Rig Repair	0.00	25.50	12,642	1.63	83	12,637	-119.57	0.28									
					9	Cut Drill Line	0.00	9.50	12,737	1.87	82	12,732	-121.26	0.25									
					10	Deviation Survey	0.00	0.50	12,831	2.11	85	12,826	-123.20	0.27									
					11	Wireline Logging	0.00	74.00	12,926	2.15	86	12,921	-125.40	0.07									
					12	Run Casing	0.00	94.50	13,020	2.28	84	13,015	-127.63	0.17									
					13	Cement Casing	0.00	44.75	13,115	2.60	82	13,110	-130.00	0.34									
					14	Wait On Cement	0.00	20.00	13,238	3.28	81	13,233	-133.59	0.55									
					15	MU BOP's	0.00	106.75	13,315	3.54	84	13,309	-136.27	0.40									
					16	Test BOP's	0.00	30.00	13,410	4.17	84	13,404	-140.14	0.66									
					17	Plug Back	0.00	0.00	13,504	2.55	94	13,498	-143.74	1.81									
					18	Squeeze Cmt	0.00	0.00	13,599	2.58	94	13,593	-146.85	0.04									
					19	Fishing	0.00	42.75	13,694	2.60	91	13,688	-149.92	0.14									
					20	Directional Work	0.00	31.75	13,783	3.12	81	13,777	-152.68	0.82									
					21	Weather	0.00	0.00	13,878	3.41	84	13,872	-155.85	0.37									
					22	Well Control	0.00	192.50	13,972	3.17	88	13,965	-159.27	0.34									
					23	Waiting-Orders/Equip	0.00	0.00															
					24	Drill Cmt / Shoe Test	0.00	7.25															
					25	Jet & Clean Pits	0.00	0.00															
					26	Regulatory	0.00	54.50															
					27	Other	0.00	79.50															
					28	Other	0.00	13.75															
					29	Other	0.00	0.00															
					30	Other	0.00	0.00															
					31	Other	0.00	0.00															
					TOTALS				24.00	1843.00													
Cost Input																							
Cost Type	Charge	Code	Description					Vendor	Unit Cost	Quantity	Cost	Carry Over											
8500	0.094	SUPERVISION / CONTRACT	Diego Barrada/Stephen Ritter					Rusco Operating LLC		1.0		Yes											
8500	0.094	SUPERVISION / CONTRACT	Andy Slusarchuk / Chris Huff					Rusco Operating LLC		1.0		Yes											
8500	0.024	SURFACE RENTALS	Trash trailer 2 Porta pots. Water and Septic for office trailer. 3 Light Plants					Hoppe's Construction LLC		1.0		Yes											
8500	0.024	SURFACE RENTALS	Internet & Intercoms					versat Communications US		1.0		Yes											
8500	0.024	SURFACE RENTALS	Forklift \$150/day					Boland Field Services LLC		1.0		Yes											
8500	0.024	SURFACE RENTALS	14 x Flat bottom Frac tanks					Blueprint Oilfield Services		1.0		Yes											
8500	0.024	SURFACE RENTALS	4 Sets of pipe Bolsters					Divine Energy Services Inc		1.0		Yes											
8500	0.024	SURFACE RENTALS	4 Sets of pipe racks					Divine Energy Services Inc		1.0		Yes											
8500	0.024	SURFACE RENTALS	PVT/Chokes \$477 plus \$70 on days with gas detection					Pason		1.0		Yes											
8500	0.01	DRILLING RIG	Citadel Rig #3					Citadel Drilling		1.0		Yes											
8500	0.024	SURFACE RENTALS	1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank					Johnso Specialty Tools LLC		1.0		Yes											
8500	0.024	SURFACE RENTALS	Overter Line, Drive over & Igniter					Iron Horse Tools LLC		1.0		Yes											
8500	0.124	TY AND EMERGENCY RESP	H2s Compliance Package					merican Safety Services, In		1.0		Yes											
8500	0.066	IDS CONTROL EQUIP / SERV	Solid Control Equipment and Hands \$2445/day + Well catch up costs for shaker screens					KSU Oilfield Rental LLC		1.0		Yes											
8500	0.198	MUD LOGGING	Mud Logging Service					okstone Analytics Mud Logg		1.0		Yes											
8500	0.024	SURFACE RENTALS	Minion Tank					Think Tank		1.0		Yes											
8500	0.03	DOWNHOLE RENTALS	(12) 8" Drill Collars					Platinum Pipe Rentals LLC		1.0		Yes											
8500	0.048	LI CONTROL EQUIP / SERV	Rotating Head & MPD					Opla		1.0		Yes											
8500	0.032	DIRECTIONAL DRILLING	MWD Daily cost - Stand By					Halliburton Energy Services		1.0		Yes											
8500	0.06	D, ADDITIVES, AND CHEMIC	Mud additives & driveby mud check					Halliburton Energy Services		1.0		Yes											
8500	0.024	SURFACE RENTALS	500 BBL Mixing Tank					McAda Drilling Fluids Inc.		1.0		Yes											
8500	0.328	VACUUM TRUCK	vac Truck to haul off trash water and cement					R&M Trucking and Backhoe		1.0		No											
8500											\$ -												
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## Report # 79

WELL NAME				AFE #	STATE WELL ID #	API #	OBJECTIVE		DATE											
INDEPENDENCE AGI #1				[REDACTED]	0	30-025-48081	DRILLING		Fri, March 12, 2021											
DRLG CONTRACTOR		SPUD DATE	DAYS	Daily Cost	Cum Cost	AFE Cum Cost	Perc of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS								
		12/27/2020	75	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	14,724	14,724	163	36	5								
Current Operation:				Drilling 8 1/2" Production section @ 14,724'				Next 24 Hours:		Drill 8 1/2" Production hole section.										
Type		Casing Specs		Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SKS Cmt	Hole Size				
Surface		24		1,383	1,383															
Intermediate		20" N-80 133# BTC		0	3,412	NeoCem	635.000	11	3	HalCem	410	14.80000	1.33000	0	635 / 410	22				
Intermediate		13.625" O-125 88.2# BTC		0	7,150	12.375	12.219	10.030	4,800	3,191		0.149 bbls/ft	1,051.00000	311# 9/535# 35	/	17 1/2				
Intermediate		9.625" L-80 47# BTC		0	13,235	8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4				
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI								
Morrow				2,799	3,279	4,139	30		30		30									
DP SIZE		DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP					
5.0		6.500	364.9223361	575	248	4.17	[REDACTED]		[REDACTED]		13,235		13.2		1,85#					
GPS #1		LINER X STROKE		SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS	PUMP PRESSURE					
3.52		5.5		12	3.52	5.5		12	100	[REDACTED]		703			2,460					
MW IN		MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND				
10.5		10.5	41.0	41.0	10.0	20.0	12.0	19.0	40.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0				
PH		PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	A-W	LIME	ES	LCM								
10.00		0.30	0.20	1.10	\$1000.00	12000.00	0.00	86.00	0.00	0.00	0.00	0.00								
PREV BIT #		Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10				
30			8 1/2	Baker	D505TX	5316449	16	16	16	16	16	0	0	0	0	0				
START FT		END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER				
6/21/1936 0.00		3/12/2021 2.00	14052	14593	26.10	66.25	725162	60.1	9	1	3	BT	S	X	I	CT				
CUR. BIT #		Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10				
31			8 1/2	Halliburton	GTD74D	13083534	13	13	13	13	13	13	13	0	0	0				
START FT		LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER				
3/12/2021 2.00		3/12/2021 6.00	14593	14724	21.67	23.33	4	32.8	4											
FUEL DELIVERED				0	FUEL USED TODAY				2,655	MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER		
FUEL ON HAND				6,273	TOTAL FUEL USED				111,090	Gel		Mica	ABO	DAILY SOLIDS				0	OWNER	
PICKUP WT.				188	AVG. DRAG				15	Poly Plus		Quick Thin	PolyPac Uf	TOTAL SOLIDS				0	DAILY BBLs	0
ROTATING WT.				186	MAX. DRAG				18	Caustic		Soda Ash	Gelex	DAILY DISPOSAL COSTS					CUM BBLs	0
SLACKOFF WT.				185	TQ. ON BTM				17,000	Bar		Lime	Tackle	DAILY LIQUIDS				0		
BHA HOURS				30	TQ OFF BTM				10,000	Pac-R		Alum Ster	Cost	TOTAL LIQUIDS				0		
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																
6.00		3: Washing/Reaming		Safety meeting, Wash & ream from 13095' to 14125' 13-26k TD, 100 RPM, 700-750 GPM. Hole unloading bulky cuttings/cavings (0.25 to 2" long)																
3.00		3: Washing/Reaming		Wash and ream from 14125' to 14190'. RCD upper seals started leaking. Worked pipe 3 times to change out rotating head.																
0.50		24: Drill Cmt / Shoe Test		C/O RCD																
10.00		3: Washing/Reaming		Wash and ream from 14190' to 14561' ft with 70-100 rpm, 650-750 gpm, 15-23k ft/lbs torque. Back-ream every stand prior to proceeding to connection. Mud 10.5 ppg with 64k chlorides. Progress restricted to torque and packing off occasionally.																
0.50		2: Drilling		Rotate w/ Bit #30 From 14561' to 14593' (64'ft/hr) w/ 25 WOB, 70 Surf RPM, 222.4 Motor RPM. Diff 355 psi, through open MPD chokes with 10.5 ppg, small flare.																
1.75		2: Drilling		Slide w/ Bit #31 From 14593' to 14637' (25'ft/hr) w/ 20 WOB, 0 Surf RPM, 214.4 Motor RPM.																
1.00		2: Drilling		Rotate w/ Bit #31 From 14637' to 14687' (50'ft/hr) w/ 25 WOB, 70 Surf RPM, 214.4 Motor RPM.																
1.25		2: Drilling		Slide w/ Bit #31 From 14687' to 14724' (30'ft/hr) w/ 20 WOB, 0 Surf RPM, 214.4 Motor RPM.																
</																				



Ameredev LLC																				Report # 80															
Morning Drilling Report																																			
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																					
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Sat, March 13, 2021																					
DR/LG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS													
		12/27/2020		76										15,260		15,260		536		34		16													
Current Operation				POOH @ 11,900'				Near 24 Hours				POOH, C/O BHA, TH, Drill @ 1 1/2" Production hole section.																							
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SKS Cmt		Hole Size							
Surface		24		1,383		1,383																						26							
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		HalCem		410		14,80000		1,33000		0		635 / 410		22							
Intermediate		13.625" Q-125 88.2# BTC		0		7,150		12,375		12,219		10,030		4,800		3,191				0.349 bbls/ft		1,051.00000		3118.9/5350.35		/		17 1/2							
Intermediate		9.625" L-80 47# BTC		0		13,235		8,681		8,525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000		/		/		12 1/4							
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI															
Barnet				2,799		3,279		4,139		30		30		30		30		30		30															
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA		COST/FT. 24 HRS		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX ALLOWABLE SICP															
5.0		6.500		343.0269959		540		233		3.47						13,235		13.2		1,658															
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE													
3.52		5.5		12		94		3.52		5.5		12		3.52		5.5		661		5,000															
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT			
10.5		10.5		53.0		53.0		11.0		53.0		15.0		18.0		50.0		0.0		0.0		0.0		0.0		8.6		0.0		0.0					
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O W		LIME		ES		LCM													
8.00		0.20		0.05		0.20		76000.00		9200.00		0.00		86.00		0.00		0.00		0.00		0.00													
PREV BIT #		Re-Run		SIZE		MFR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA			
30		8 1/2		8 1/2		Baker		D5051X		5316449		16		16		16		16		16		0		0		0		0		0		0.9817			
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON			
6/21/1938 0:00		3/12/2021 2:00		14052		14593		26.10		66.25		725162		60.1		9		1		3		BT		S		X		I		CT		New Equipment			
CUR. BIT #		Re-Run		SIZE		MFR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA			
31		8 1/2		8 1/2		Halliburton		GTD74D		13083534		13		13		13		13		13		13		13		0		0		0		0.9073			
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON			
3/12/2021 2:00		3/13/2021 1:00		14593		15260		21.00		47.69		23		33.4		20																			
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER																			
7,200				2,012																															
FUEL ON HAND				TOTAL FUEL USED				<th colspan="4"><th colspan="4"></th></th>				<th colspan="4"></th>																							
11,461				113,102				Gel				Mica				ABO				DAILY SOLIDS				0				OWNER							
PICKUP WT.				AVG. DRAG				Poly Plus				Quick Thin				PolyPac UI				TOTAL SOLIDS <td colspan="4">0</td> <td colspan="4">DAILY BBLs</td> <td colspan="4">0</td>				0				DAILY BBLs				0			
ROTATING WT.				MAX. DRAG				Caustic				Soda Ash				Gelox				DAILY DISPOSAL COSTS <td colspan="4">CUM BBLs</td> <td colspan="4">0</td>				CUM BBLs				0							
SLACKOFF WT.				TO, ON BTM				Bar				Lime <td colspan="2">Tackle</td> <td colspan="2">DAILY LIQUIDS</td> <td colspan="2">0</td> <td colspan="4"></td> <td colspan="4"></td>				Tackle		DAILY LIQUIDS		0															
BHA HOURS				TQ OFF BTM				15,000 <td colspan="4">Pac-R</td> <td colspan="2">Alum Ster</td> <td colspan="2">Cost</td> <td colspan="2">TOTAL LIQUIDS</td> <td colspan="2">0</td> <td colspan="4"></td> <td colspan="4"></td>				Pac-R				Alum Ster		Cost		TOTAL LIQUIDS		0													
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																															
1.00		2: Drilling		Slide w/ Bit #31 From 14724' to 14729' (57"/hr) w/ 20 WOB, 30 Surf RPM, 224 Motor RPM.																															
1.00		2: Drilling		Rotate w/ Bit #31 From 14729' to 14790' (61"/hr) w/ 20 WOB, 80 Surf RPM, 224 Motor RPM.																															
1.00		2: Drilling		Slide w/ Bit #31 From 14790' to 14810' (20"/hr) w/ 20 WOB, 10 Surf RPM, 224 Motor RPM.																															
1.00		5: Cond. Mud & Circ		After sliding to 14810', the motor stalled out and gained 600 psi of SPP. MWD tool without signal. Worked stand due to hole conditions.																															
1.50		2: Drilling		Rotate w/ Bit #31 From 14810' to 14877' (45"/hr) w/ 25 WOB, 80 Surf RPM, 208 Motor RPM. After drilling to 14877', pick stand back up to 14810' to sync MWD tool and relay.																															
2.50		2: Drilling		Slide w/ Bit #31 From 14877' to 14930' (21"/hr) w/ 20 WOB, 10 Surf RPM, 224 Motor RPM.																															
0.50		2: Drilling		Rotate w/ Bit #31 From 14930' to 14972' (84"/hr) w/ 25 WOB, 80 Surf RPM, 208 Motor RPM.																															
0.50		7: Lubricate Rig		Rig Service.																															
0.25		2: Drilling		Rotate w/ Bit #31 From 14972' to 14980' (32"/hr) w/ 25 WOB, 80 Surf RPM, 208 Motor RPM.																															
0.50		2: Drilling		Slide w/ Bit #31 From 14980' to 15020' (80"/hr) w/ 20 WOB, Surf RPM, 224 Motor RPM. Diff 300 psi with 5300 psi standpipe, returns through MPD open chokes, 10.5 ppg mud.																															
1.00		2: Drilling		Rotate w/ Bit #31 From 15020' to 15075' (55"/hr) w/ 25 WOB, 60 Surf RPM, 208 Motor RPM.																															
1.50		3: Washing/Bearing		After connection, work pipe at 15075 ft, observe rotary stall with 26k ft/lbs and hole pack off. Establish circulation at reduced rate, reciprocate pipe. Mud pump down, change out valve and seat while establishing free zone with pipe. Cap seal fails on same pump, repair cap seal. Put both pumps on line. Mud in 10.1 ppg, out 9.9 ppg, running both centerfuges to reduce fine solids. Attempt to slide.																															
0.75		2: Drilling		Rotate w/ Bit #31 From 15075' to 15085' (13"/hr) w/ 25 WOB, 80 Surf RPM, 208 Motor RPM. Diff 400 psi with 5000 psi standpipe pressure.																															
0.75		2: Drilling		Slide w/ Bit #31 From 15085' to 15098' (17"/hr) w/ 20 WOB, Surf RPM, 224 Motor RPM. Hold Mag 270, Diff 300 while circulating through open MPD choke, observe flare.																															
5.25		2: Drilling		Rotate w/ Bit #31 From 15098' to 15260' (31"/hr) w/ 5 WOB, 60 Surf RPM, 209.92 Motor RPM. Control Drill @ 35ft/hr, condition mud. At 15260 ft pump pop-off blew at 6500 psi. Replace pop-off valve, cannot pump down string. Motor plugged. Prepare to Strip out of hole pumping across wellhead with rig pump while holding back pressure with MPD.																															
5.00		6: Tripping		Line up on choke line to pump across wellhead with rig pump while holding back pressure with MPD. Strip out of hole from 15260 ft to 13,300 ft. Flow Check (Static) POOH on elevators T/ 11,900'																															
24.00				No Accidents, Spills or Inspections to report																															
QTY		BHA ITEM		LENGTH		TIME DISTRIBUTION		DAILY		CUM		KOP MD/TVD		Pen Ft MD/TVD		Lndg Ft MD/TVD																			
1		8.5" PDC 7 Blade		1.00		1 MIRU/ROMO		0.00		81.00																									
1		NOV 7" (SLICK SLEEVE)/7.7.8 ERT FBH 1.25"		32.00		2: Drilling		16.00		352.75		Depth		Dev		Azi		TVD		VS		DLS													
1		6 3/4" UBHO		3.00		3: Washing/Bearing		1.50		41.00		12,170		1.53		98		12,165		-111.08		0.22													
1		6 3/4" NMDC		29.00		4: Lost Circulation		0.00		11.75		12,264		1.42		101		12,259		-112.99		0.14													
1		6 3/4" Pony		15.00		5: Cond. Mud & Circ		1.00		123.00		12,359		1.35		95		12,354		-114.77		0.16													
1		8 1/4" IBS Stabilizer (BFF)		5.00		6: Tripping		5.00		463.25		12,453		1.39		91		12,448		-116.39		0.12													
15		6 1/2" DCS		455.00		7: Lubricate Rig		0.50		11.75		12,548		1.44		89		12,543		-117.99		0.06													
24		5" HWDP		725.00		8: Rig Repair		0.00		25.50		12,642		1.63		83		12,637		-119.57		0.28													
						9: Cut Orig Line		0.00		9.50		12,737		1.87		82		12,732		-121.26		0.25													
						10: Deviation Survey		0.00		0.50		12,831		2.11		85		12,826		-123.20		0.27													
						11: Wireline Logging		0.00		74.00		12,926		2.15		86		12,921		-125.40		0.07													
						12: Run Casing		0.00		94.50		13,020		2.28		84		13,015		-127.63		0.17													
						13: Cement Casing		0.00		44.75		13,115		2.60		82		13,110		-130.00		0.34													
						14: Wait On Cement		0.00		20.00		13,238		3.28		81		13,233		-133.59		0.55													
						15: NU BOP's		0.00		106.75		13,315		3.54		84		13,309		-136.27		0.40													
						16: Test BOP's		0.00		30.00		13,410		4.17		84		13,404		-140.14		0.66													
						17: Plug Back		0.00		0.00		13,504		2.55		94		13,498		-143.74		1.81													
						18: Squeeze Cmt		0.00		0.00		13,599		2.58		94		13,593		-146.85		0.04													
						19: Fishing		0.00		42.75		13,694		2.60		91		13,688		-149.92		0.14													
						20: Directional Work		0.00		34.25		13,783		3.12		81		13,777		-152.68		0.82													
						21: Weather		0.00		0.00		13,878		3.41		84		13,872		-155.85		0.37													
						22: Well Control		0.00		192.50		13,972		3.17		88		13,965		-159.27		0.34													
						23: Waiting-Orders/Equip		0.00		0.00		Planned VS				feet @		azimuth																	
						24: Drill Cmt / Shoe Test		0.00		7.75		DAY DRILLING FOREMAN				CELL PHONE NUMBER																			
						25: Jet & Clean Pits		0.00		0.00		Diego Barreda				CELL PHONE NUMBER																			
						26: Regulatory		0.00		54.50		NIGHT DRILLING FOREMAN				CELL PHONE NUMBER																			
						27: Other		0.00		79.50		Stephen Ritter																							
						28: Other		0.00		13.75		AMEREDDEV PERSONNEL																							
						29: Other		0.00		0.00		DRILLING SUPERINTENDENT				JT Wilkerson																			
						30: Other		0.00		0.00		DRILLING ENGINEER				John Zabaldano																			
						31: Other		0.00		0.00		DAY CONTROL ROOM SUP				Chris Huff																			
						TOTALS		24.00		1915.00		NIGHT CONTROL ROOM SUP				Andy Slusarchuk																			
Cost Input																																			
Cost Type		Charge		Code		Description		Vendor		Unit Cost		Quantity		Cost		Carry Over																			
8500		0.094		SUPERVISION / CONTRACT		Diego Barreda/Stephen Ritter		Rusco Operating LLC				1.0				Yes																			
8500		0.094		SUPERVISION / CONTRACT		Andy Slusarchuk/Chris Huff		Rusco Operating LLC				1.0				Yes																			
8500		0.024		SURFACE RENTALS		Trash trailer 2 Porta pots. Water and Septic for office trailer. 3 Light Plants		Hogge's Construction LLC				1.0				Yes																			
8500		0.024		SURFACE RENTALS		Internet & Intercoms		versat Communications US				1.0				Yes																			
8500		0.024		SURFACE RENTALS		Forklift \$150/day		Boland Field Services LLC				1.0				Yes																			
8500		0.024		SURFACE RENTALS		14 x Flat bottom Frac tanks		Blueprint Oilfield Services				1.0				Yes																			
8500		0.024		SURFACE RENTALS		4 Sets of pipe Bolsters		Divine Energy Services Inc				1.0				Yes																			
8500		0.024		SURFACE RENTALS		4 Sets of pipe racks		Divine Energy Services Inc				1.0				Yes																			
8500		0.024		SURFACE RENTALS		PVT/Chokes \$477 plus \$70 on days with gas detection		Pason				1.0				Yes																			
8500		0.01		DRILLING RIG		Gtadel Rig #3		Ctadel Drilling				1.0		</																					



Ameredev LLC																				Report # 81																			
Morning Drilling Report																																							
WELL NAME					AFE #		STATE WELL ID #		API #		OBJECTIVE					DATE																							
INDEPENDENCE AGI #1							0		30-025-49081		DRILLING					Sun, March 14, 2021																							
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		F1/HR		ROT HRS																	
		12/27/2020		77										15,260		15,260		0		0		0																	
Current Operation:					Washing and reaming down @ 14517'					Next 24 Hours:					Wash and ream to bottom, Drill 8 1/2" Production hole section.																								
Type		Casing Specs			Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size										
Surface		24			1,383		1,383																						26										
Intermediate		20" N-80 133# BTC			0		3,412		NeoCem		635,000		11		3		HalCem		410		14,80000		1,330000		0		635 / 410		22										
Intermediate		13.625" O-125 88.2# BTC			0		7,150		12.375		12,219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118.9/5350.35		/		17 1/2										
Intermediate		9.625" L-80 47# BTC			0		13,235		8.681		8,525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000		/		12 1/4												
FORMATION					BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI																		
Barnet					2,799		3,279		4,139		30		30		30		30		30		30																		
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP																			
5.0		6.500		343.0269959		540		201		2.55						13,235		13.2		1,927																			
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE																	
3.52		5.5		12		94		3.52		5.5		12		94		661		661		5,000																			
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT									
10.4		10.4		41.0		41.0		7.0		30.0		14.0		50.0		0.0		0.0		0.0		0.0		8.3		0.0		0.0		0.0									
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM																	
7.00		0.20		0.05		0.20		77000.00		6400.00		0.00		86.50		0.00		0.00		0.00		0.00																	
PREV BIT #		Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA							
31				8 1/2		Halliburton		GTD74D		13083534		13		13		13		13		13		13		13		0		0		0		0.9073							
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON							
3/12/2021 2:00				14593		15260		21.00		47.69		23		33.4		20		1		3		BT		S		X		I		2 PN		Motor Failure							
CUR. BIT #		Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA							
32				8 1/2		Varel		FY713P-F		6021458		14		14		14		14		14		14		14		0		0		0		1.0523							
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON							
				0		0										0																							
FUEL DELIVERED					FUEL USED TODAY					MUD ADDITIVES IN LAST 24 HOURS					SOIL FARMING / MUD DISPOSAL					FRESH WATER																			
0					844																																		
FUEL ON HAND					TOTAL FUEL USED										DAILY SOLIDS					OWNER																			
10,617					113,946					Gel					Mica					ABO					0														
PICKUP WT.					AVG. DRAG <th colspan="5">Poly Plus<th colspan="5">Quick Thin<th colspan="5">PolyFac UI<td colspan="5">TOTAL SOLIDS</td><td colspan="5">DAILY BBLs</td><td colspan="5">0</td></th></th></th>					Poly Plus <th colspan="5">Quick Thin<th colspan="5">PolyFac UI<td colspan="5">TOTAL SOLIDS</td><td colspan="5">DAILY BBLs</td><td colspan="5">0</td></th></th>					Quick Thin <th colspan="5">PolyFac UI<td colspan="5">TOTAL SOLIDS</td><td colspan="5">DAILY BBLs</td><td colspan="5">0</td></th>					PolyFac UI <td colspan="5">TOTAL SOLIDS</td> <td colspan="5">DAILY BBLs</td> <td colspan="5">0</td>					TOTAL SOLIDS					DAILY BBLs					0				
326					15																				TOTAL DISPOSAL COSTS					CUM BBLs					0				
ROTATING WT.					MAX. DRAG <th colspan="5">Caustic<th colspan="5">Soda Ash<th colspan="5">Gelex<td colspan="5">DAILY LIQUIDS</td><td colspan="5">0</td></th></th></th>					Caustic <th colspan="5">Soda Ash<th colspan="5">Gelex<td colspan="5">DAILY LIQUIDS</td><td colspan="5">0</td></th></th>					Soda Ash <th colspan="5">Gelex<td colspan="5">DAILY LIQUIDS</td><td colspan="5">0</td></th>					Gelex <td colspan="5">DAILY LIQUIDS</td> <td colspan="5">0</td>					DAILY LIQUIDS					0									
295					18																				TOTAL LIQUIDS					0									
SLACKOFF WT.					TQ. ON BTM <th colspan="5">Bar<th colspan="5">Lime<th colspan="5">Tackle<td colspan="5"></td><td colspan="5"></td></th></th></th>					Bar <th colspan="5">Lime<th colspan="5">Tackle<td colspan="5"></td><td colspan="5"></td></th></th>					Lime <th colspan="5">Tackle<td colspan="5"></td><td colspan="5"></td></th>					Tackle <td colspan="5"></td> <td colspan="5"></td>																			
269					19,000																																		
BHA HOURS					TQ. OFF BTM <th colspan="5">Pac-R<th colspan="5">Alum Ster<th colspan="5">Cost<td colspan="5"></td><td colspan="5"></td></th></th></th>					Pac-R <th colspan="5">Alum Ster<th colspan="5">Cost<td colspan="5"></td><td colspan="5"></td></th></th>					Alum Ster <th colspan="5">Cost<td colspan="5"></td><td colspan="5"></td></th>					Cost <td colspan="5"></td> <td colspan="5"></td>																			
1					15,000																																		
HOURS					TIME CODE					CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																													
8.00					6: Tripping					Continue TOH for motor failure & plugged string with 8.5" bit #31 and motor assembly BHA #32 from 11696 ft to 1700 ft. (Reduce trip speed due to high winds).																													
0.50					6: Tripping					Remove RCD element, install trip nipple. Observe well static.																													
1.75					6: Tripping					TOH from 1700 ft to BHA.																													
1.25					20: Directional Work					Break off stabilizer, drain motor, break bit. Lay down mud motor, P/U new motor, install stabilizer on top of motor. M/U new 8.5" bit and scribe.																													
2.00					6: Tripping					TIH from 300 ft to 3300 ft.																													
0.25					5: Cond. Mud & Circ					Fill pipe, function test MWD.																													
2.50					6: Tripping					Continue TIH with 8.5" bit and motor assembly from 3300 ft to 8040 ft. (Reduce trip speed due to high winds).																													
1.25					6: Tripping					Install RCD element, leaking. Upon removal observe packer split. This wear is not consistent with normal wear. Install new MPD element and bearing assembly.																													
2.50					6: Tripping					TIH with returns through MPD open chokes from 8040 ft to 9 5/8" shoe, bit and motor outside into 12 1/4" rat-hole.																													
1.00					27: Other					Spring ahead, establish circulation with 10 ppg brine. Slip & cut drilling line.																													
1.25					6: Tripping					Trip in hole 1/ 13916'. String started taking weight. Attempt to trip on elevators with no success. Screw into drill pipe to wash down.																													
1.75					3 Washing/Reaming					Wash and ream down 1/13916' to 14517' Holding back pressure with MPD to mitigate condensation coming out of flare stack while reaming. 5-15' flare.																													



## Report # 82

## Report # 82

WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE		DATE			
INDEPENDENCE AGI #1				[REDACTED]		0		30-025-48081		DRILLING		Mon, March 15, 2021			
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Pct of AFE Spent		MD		TVD	
		12/27/2020		78								15,270		15,270	
Current Operation				Drilling 8 1/2" Production Hole @ 15,270'				Next 24 Hours				Drill 8 1/2" Production hole section.			
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse	
Surface		24		1,383		1,383		NepCem		635,000		11		3	
Intermediate		20" N-80 133# BTC		0		3,412		12.375		12.219		10.030		4,800	
Intermediate		13.625" O-125 88.2# BTC		0		7,150		12.375		12.219		10.030		4,800	
Intermediate		9.625" L-80 47# BTC		0		13,235		6.881		8.525		6.870		5,740	
FORMATION		BGG		2,799		CG		4,139		#1 STKS		#1 CHK PSI		#1 STKS	
DP SIZE		5.0		DC SIZE		5.0		OP AV		402		JET VELOCITY		150	
GPS #1		3.52		LINER X STROKE		SPM #1		GPS #2		3.52		LINER X STROKE		SPM #2	
MW IN		10.1		MW OUT		10.1		VIS IN		41.0		VIS OUT		41.0	
PH		9.00		PM		0.30		PF		0.15		MF		0.28	
PREV BIT #		31		Re-Run		SIZE		MFR		Halliburton		TYPE		SERIAL #	
START FT		3/12/2021 2:40		END FT		3/13/2021 1:00		DEPTH IN		14593		DEPTH OUT		15260	
CUR. BIT #		32		Re-Run		SIZE		MFR		Varel		TYPE		SERIAL #	
START FT		3/15/2021 5:30		LAST CHECK		3/15/2021 6:00		DEPTH IN		15260		DEPTH OUT		15270	
FUEL DELIVERED		0		FUEL USED TODAY		1,689		MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL		FRESH WATER	
FUEL ON HAND		8,928		TOTAL FUEL USED		115,635		Gel		Mica		ABO		DAILY SOLIDS	
PICKUP WT.		329		AVG. DRAG		15		Poly Plus		Quick Thin		PolyPac UI		TOTAL SOLIDS	
ROTATING WT.		364		MAX. DRAG		18		Caustic		Soda Ash		Geltec		DAILY DISPOSAL COSTS	
SLACKOFF WT.		275		TD. ON BTM		19,000		Bar		Lime		Tackie		DAILY LIQUIDS	
BHA HOURS		25		TQ OFF BTM		15,000		Pac-R		Alum Ster		Cost		TOTAL LIQUIDS	
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY (0600 HRS TO 0600 HRS)											
4.00		3: Washing/Reaming		Safety meeting. Wash and ream from 14500' to 14767'											
5.00		3: Washing/Reaming		Worked tight hole. Back reaming as needed to free point from 14767' to 14150'. Pulled a maximum of 485 kbs and sacked off to a minimum of 150 kbs. Established circulation @ 600 GPM. Hole unloading cuttings and cavings.											
6.50		3: Washing/Reaming		Wash and ream with 8 1/2" bit and motor assembly from 14150 ft down to 14926 ft with 600 gpm, 3234 psi, 60 rpm and torque between 16k and torque limit of 26k ft/lbs with 10 ppg mud. Clean out as Diff & torque would allow. Returns through MPD open chokes. Observe MPD chokes plugged up with cuttings. Optimize line up on gnt bypass line while clean out chokes. Once chokes cleaned out, remain on bypass line. Periodic flare from 1 foot to 8 ft. Cuttings periodically coming up heavy on the shaker, 15% cavings.											
1.00		5: Cond. Mud & Circ		At 14926 ft observe stall with 26k ft/lbs and hole pack off. Bleed of pressure, reciprocate pipe max 420k up and 270k down until work free zone, stage up mud pump until returns observed. Once 550 gpm established, engage rotary at 60 rpm with 18k ft/lbs torque.											
0.25		5: Cond. Mud & Circ		Change out valve and seat mud pump #2, circulate and reciprocate with mud pump #1 @ 14926 ft.											
1.75		3: Washing/Reaming		Wash and ream from 14926 ft to 14990 ft with pump #2, mud pump #1 down with power drive issue, trouble shoot.											
1.50		8: Rig Repair		Mud pump #2 down for swab & liner, put pump #1 back on line. Reciprocate pipe with reduced pump rate pump, 296 gpm, 1339 psi, 20 rpm & 18k ft/lbs torque, with 10 ppg mud.											
3.50		3: Washing/Reaming		Continue wash & ream with pump #2 with 493 gpm, 2455 psi, 60 rpm, 16-19k ft/lbs torque from 14990 ft to xxxx ft. Rig crew repair drive-chains of Power End mud pump #1. Rig intake new 10 ppg brine into Frac tanks in preparation to displace hole to new brine. Received 400 BBLs from the Amerdev Herkimer facility. Received 800 BBLs from the Intrepid secondary facility, primary Intrepid Battle X facility no brine. Mud weight 10 ppg with intermittent flare 1 ft - 8 ft.											
0.50		2: Drilling		Rotate w/ Bit #32 From 15260' to 15270' (20 ft/hr) w/ 20 WOB, 60 Surf RPM, 192 Motor RPM.											
34.00				No Accidents, Spills or Inspections to report											
QTY		BHA ITEM		LENGTH		TIME DISTRIBUTION		DAILY		CUM		KOP MD/TVD		Pen Pt MD/TVD	
1		8.5" PDC 7 Blade		1.00		1 MRU/RDMO		0.00		81.00		Depth		Dev.	
1		NOV 7" (SLICK Seam 7 1/4" 7/8 8.5 FBH 1.75" w/ 8" NBS 8 1/4" IRS Stabilizer (BFF)		36.25		2 Drilling		0.50		353.25		12,170		1.53	
1		6 3/4" UBHO		2.59		3 Washing/Reaming		20.75		63.50		101		12,259	
1		6 3/4" NMDC		29.17		4 Lost Circulation		0.00		11.75		12,264		1.42	
1		6 3/4" Pony		14.62		5 Cond. Mud & Circ		1.25		124.50		95		12,354	
18		6 1/2" DCs		545.67		6 Tripping		0.00		483.00		82		13,110	
24		5" HWDP		726.25		7 Lubricate Rig		0.00		11.75		81		13,233	
						8 Rig Repair		1.50		27.00		88		13,309	
						9 Cut Drig Line		0.00		9.50		84		13,404	
						10 Deviation Survey		0.00		0.50		94		13,458	
						11 Wireline Logging		0.00		74.00		94		13,593	
						12 Run Casing		0.00		94.50		94		13,688	
						13 Cement Casing		0.00		44.75		94		13,777	
						14 Wait On Cement		0.00		20.00		88		13,872	
						15 NU BOP's		0.00		106.75		88		13,965	
						16 Test BOP's		0.00		30.00		88		14,059	
						17 Plug Back		0.00		0.00		94		14,153	
						18 Squeeze Cmt		0.00		0.00		94		14,247	
						19 Fishing		0.00		42.75		94		14,341	
						20 Directional Work		0.00		35.50		94		14,435	
						21 Weather		0.00		0.00		84		14,529	
						22 Well Control		0.00		192.50		88		14,623	
						23 Waiting-Orders/Equip		0.00		0.00		Planned VS		feet @ azimuth	
		Motor RPG 0.32		BHA		24 Drill Cmt / Shoe Test		0.00		7.75		Diego Barrera		CELL PHONE NUMBER	
Joints		DP ITEM		#/FT		GRADE		LENGTH		25 Jet & Clean Pks		0.00		0.00	
219		DP		5'		S-135		6903.28		26 Regulatory		0.00		54.50	
										27 Other		0.00		80.50	
										28 Other		0.00		13.75	
										29 Other		0.00		0.00	
										30 Other		0.00		0.00	
										31 Other		0.00		0.00	
										TOTALS		24.00		1963.00	
										DAY DRILLING FOREMAN		NIGHT DRILLING FOREMAN		CELL PHONE NUMBER	
										Stephen Ritter		Stephen Ritter		CELL PHONE NUMBER	
										AMERDEV PERSONELL		AMERDEV PERSONELL		AMERDEV PERSONELL	
										DRILLING SUPERINTENDENT		DRILLING SUPERINTENDENT		DRILLING SUPERINTENDENT	
										John Zabaldano		John Zabaldano		John Zabaldano	
										DAY CONTROL ROOM SUP		DAY CONTROL ROOM SUP		DAY CONTROL ROOM SUP	
										Night Control Room Sup		Night Control Room Sup		Night Control Room Sup	
										Kelly		7005.92		7005.92	
										Total Depth		15270.00		15270.00	

### Cost Input

[illegible]



Ameredev LLC																Report # 83	
Morning Drilling Report																	
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE			
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Tue, March 16, 2021			
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT	
		12/27/2020		79								15,390		15,390		120	
Current Operation		Tripping out of hole to inspect BHA and change mud motor.															
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield	
Surface		28		1,383		1,383										410	
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		HalCem	
Intermediate		13.625" Q-125 88.2# BTC		0		7,150		12.375		12,219		10,030		4,800		3,191	
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8,525		6,870		5,740		1,086	
																1,122	
																0.073 bbls/ft	
																963.00000	



Ameredeve LLC																				Report # 84																							
Morning Drilling Report																																											
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																													
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Wed, March 17, 2021																													
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS																					
		12/27/2020		80										15,390		15,390		0		0		0																					
Current Operation:				Cutting & slipping drill line.				Next 24 Hours:				Trip in hole, wash and ream to bottom & drill.																															
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size															
Surface		24		1,383		1,383																						26															
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		Halcem		410		14,80000		1,33000		0		635 / 410		22															
Intermediate		13.625" O-125 88.2# BTC		0		7,150		12,375		12,219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118.9/5350.35		/		17 1/2															
Intermediate		9.625" L-80 47# BTC		0		13,235		8,681		8,525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000				/		12 1/4															
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI																							
				2,799		3,279		4,139		90				30				30																									
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP																							
5.0		6.500		255.4456352		402		91		0.37						13,235		13.2		2,202																							
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE																					
3.52		5.5		12		70		3.52		5.5		12		70				492		2,559																							
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT											
10.0		10.0		28.0		28.0		1.0		4.0		1.0		2.0		100.0		0.0		0.0		0.0		0.0		3.8		0.0		0.0													
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM																					
8.00		0.20		0.05		0.20		135000.00		13200.00		0.00		88.00		0.00		0.00		0.00		0.00																					
PREV BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
32				8 1/2		Varel		FY713P-F		6021458		14		14		14		14		14		14		14		0		0		0		1.0523											
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
3/15/2021 5:30				15260		15390		20.00		34.00		7		22.6		5.75																											
CUR. BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
33				8 1/2		Halliburton		GT07ADHE		13096025		18		18		18		18		18		18		18		0		0		0		1.7395											
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
				0		0										0																											
FUEL DELIVERED				0				FUEL USED TODAY				845				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER																			
FUEL ON HAND				6,997				TOTAL FUEL USED				117,566				Gel				Mica				ABQ				DAILY SOLIDS				0				OWNER							
PICKUP WT.				329				AVG. DRAG				15				Poly Plus				Quick Thir				PolyPac UI				TOTAL SOLIDS				0				DAILY BBLs				0			
ROTATING WT.				304				MAX. DRAG				18				Caustic				Soda Ash				Galex				DAILY DISPOSAL COSTS				CUM BBLs				0							
SLACKOFF WT.				275				TQ. ON BITM				19,000				Bar				Lime				Tackle				DAILY LIQUIDS				0											
BHA HOURS				26				TQ. OFF BITM				15,000				Pac-R				Alum Ster				Cost				TOTAL LIQUIDS				0											
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																																			
5.75				6: Tripping				Trip out from 9,012' to 3,087' and found a bent joint of Hevi Weight Drill Pipe.																																			
0.25				6: Tripping				Lay down stand of HWT Drill Pipe.																																			
4.25				6: Tripping				Trip out BHA, C/O bit, MWD tool, L/D motor, M/U bit sub and bit																																			
1.25				6: Tripping				Trip in hole with BHA ( High Wind Conditions)																																			
0.50				7: Lubricate Rig				Adjust clamp on Gooseneck																																			
11.50				6: Tripping				Trip in hole to 13,263' ( High Wind Conditions)																																			
0.50				7: Lubricate Rig				Cut & Slip Drill Line.																																			
				</																																							



Ameredev LLC																				Report # 85																	
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																							
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Thu, March 18, 2021																							
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		F1/HR		ROT HRS															
		12/27/2020		81										15,390		15,390		0		0		0															
Current Operation:				Tripping in Hole.				Next 24 Hours:				Trip in & clean out hole.																									
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size																					
Surface	24			1,383	1,383											26																					
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	Halcem	410	14,80000	1,33000	0	635 / 410	22																					
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12.375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2																					
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4																					
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI																									
Barnet				2,799	3,279	4,139	90		30		30																										
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.			COST/FT. 24 HRS.			COST/FT. (OA)			LAST SHOE TVD			FRAC GRADIENT MW		MAX. ALLOWABLE SICP																		
5.0	6.500	255.4456352	402	91	0.37									13,235			13.2		2,202																		
GPS #1	LINER X STROKE			SPM #1	LINER X STROKE			SPM #2	GPS #3	LINER X STROKE			SPM #3	GPM	PUMPS		PUMP PRESSURE																				
3.52	5.5			12	70			5.5	12	70				492	2,559																						
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT																					
10.0	10.0	28.0	28.0	1.0	4.0	1.0	2.0	100.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0																					
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM																										
8.00	0.20	0.05	0.20	135000.00	13200.00	0.00	88.00	0.00	0.00	0.00	0.00																										
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA																					
32		8 1/2	Varel	FY713P-F	6021458	14	14	14	14	14	14	14	14	0	0	1.0523																					
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON																					
3/15/2021 5:30		15260	15390	20.00	34.00	7	22.6	5.75																													
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA																					
33		8 1/2	Halliburton	GTD74DHE	13096025	18	18	18	18	18	18	18	18	0	0	1.7395																					
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON																					
		0	0					0																													
FUEL DELIVERED				0				FUEL USED TODAY				965				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER													
FUEL ON HAND				6,032				TOTAL FUEL USED				118.531				Gel <th colspan="4">Mica<th colspan="4">ABQ<th colspan="4">DAILY SOLIDS</th><td colspan="2">0</td><th colspan="2">OWNER</th></th></th>				Mica <th colspan="4">ABQ<th colspan="4">DAILY SOLIDS</th><td colspan="2">0</td><th colspan="2">OWNER</th></th>				ABQ <th colspan="4">DAILY SOLIDS</th> <td colspan="2">0</td> <th colspan="2">OWNER</th>				DAILY SOLIDS				0		OWNER			
PICKUP WT.				329				AVG. DRAG				15				Poly Plus <th colspan="4">Quick Thin<th colspan="4">PolyPac UI<th colspan="4">TOTAL SOLIDS</th><td colspan="2">0</td><th colspan="2">DAILY BBLS</th><td colspan="2">0</td></th></th>				Quick Thin <th colspan="4">PolyPac UI<th colspan="4">TOTAL SOLIDS</th><td colspan="2">0</td><th colspan="2">DAILY BBLS</th><td colspan="2">0</td></th>				PolyPac UI <th colspan="4">TOTAL SOLIDS</th> <td colspan="2">0</td> <th colspan="2">DAILY BBLS</th> <td colspan="2">0</td>				TOTAL SOLIDS				0		DAILY BBLS		0	
ROTATING WT.				304				MAX. DRAG				18				Caustic <th colspan="4">Soda Ash<th colspan="4">Galex<th colspan="4">DAILY DISPOSAL COSTS</th><td colspan="2">CUM BBLS</td></th><td colspan="2">0</td></th>				Soda Ash <th colspan="4">Galex<th colspan="4">DAILY DISPOSAL COSTS</th><td colspan="2">CUM BBLS</td></th> <td colspan="2">0</td>				Galex <th colspan="4">DAILY DISPOSAL COSTS</th> <td colspan="2">CUM BBLS</td>				DAILY DISPOSAL COSTS				CUM BBLS		0			
SLACKOFF WT.				275				TQ. ON BTM				19,000				Bar <th colspan="4">Lime<th colspan="4">Tackle<th colspan="4">DAILY LIQUIDS</th><td colspan="2">0</td><th colspan="2"></th></th></th>				Lime <th colspan="4">Tackle<th colspan="4">DAILY LIQUIDS</th><td colspan="2">0</td><th colspan="2"></th></th>				Tackle <th colspan="4">DAILY LIQUIDS</th> <td colspan="2">0</td> <th colspan="2"></th>				DAILY LIQUIDS				0					
BHA HOURS				26				TQ. OFF BTM				15,000				Pac-R <th colspan="4">Alum Ster<th colspan="4">Cost<th colspan="4">TOTAL LIQUIDS</th><td colspan="2">0</td><th colspan="2"></th></th></th>				Alum Ster <th colspan="4">Cost<th colspan="4">TOTAL LIQUIDS</th><td colspan="2">0</td><th colspan="2"></th></th>				Cost <th colspan="4">TOTAL LIQUIDS</th> <td colspan="2">0</td> <th colspan="2"></th>				TOTAL LIQUIDS				0					
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																																	
0.75	7: Lubricate Rig		Cut & Slip Drill Line and Rig Service.																																		
1.00	6: Tripping		Trip in to 14,035' with elevators and hit tight spot.																																		
9.75	3: Washing/Reaming		Wash and Ream from 14,035' to 14,296'. Hit tight spot and stuck pipe.																																		
8.50	27: Other		Work tight hole from 14296 to 14096 , Pipe free @ 14096'																																		
2.00	6: Tripping		Trip out of hole from 14096'																																		
1.00	27: Other		Change BHA																																		
1.00	6: Tripping		Trip in Hole																																		



Ameredev LLC																				Report # 86																																		
Morning Drilling Report																																																						
WELL NAME					AFE #		STATE WELL ID #		API #		OBJECTIVE					DATE																																						
INDEPENDENCE AGI #1							0		30-025-49081		DRILLING					Fri, March 19, 2021																																						
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS																																
		12/27/2020		82										15,390		15,390		0		0		0																																
Current Operation:					Reaming Tight Hole.					Next 24 Hours:					Ream & Clean Hole.																																							
Type		Casing Specs			Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size																									
Surface		24			1,383		1,383																						26																									
Intermediate		20" N-80 133# BTC			0		3,412		NeoCem		635,000		11		3		HalCem		410		14,80000		1,33000		0		635 / 410		22																									
Intermediate		13.625" O-125 88.2# BTC			0		7,150		12,375		12,219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118.9/5350.35		/		17 1/2																									
Intermediate		9.625" L-80 47# BTC			0		13,235		8,681		8,525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000				/		12 1/4																									
FORMATION					BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI																																	
Barnet					2,799		3,279		4,139		30				30				30																																			
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF																																		
5.0		6.500		255.4456352		402		91		0.37						13,235		13.2		2,202																																		
GPS #1		LINER X STROKE			SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE																															
3.52		5.5			70		3.52		5.5		70						492				2,559																																	
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT																						
10.0		10.0		28.0		28.0		1.0		4.0		1.0		2.0		100.0		0.0		0.0		0.0		0.0		3.8		0.0		0.0																								
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM																																
8.00		0.20		0.05		0.20		135000.00		13200.00		0.00		88.00		0.00		0.00		0.00		0.00																																
PREV BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA																						
32				8 1/2		Varel		FY713P-F		6021458		14		14		14		14		14		14		14		0		0		0		1.0523																						
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON																						
3/15/2021 5:30		3/15/2021 12:30		15260		15390		20.00		34.00		7		22.6		5.75																																						
CUR. BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA																						
33				8 1/2		Halliburton		GTD74DHE		13096025		18		18		18		18		18		18		18		0		0		0		1.7395																						
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON																						
				0		0										0		1		1		NO		A		X		IN		NO		Rate Of Penetration (ft/hr)																						
FUEL DELIVERED					0					FUEL USED TODAY					1,689					MUD ADDITIVES IN LAST 24 HOURS					SOIL FARMING / MUD DISPOSAL					FRESH WATER																								
FUEL ON HAND					4,343					TOTAL FUEL USED					120,220					Gel					Mica					ABQ					DAILY SOLIDS					0					OWNER									
PICKUP WT.					329					AVG. DRAG					15					Poly Plus					Quick Thin					PolyPac UI					TOTAL SOLIDS					0					DAILY BBLs					0				
ROTATING WT.					304					MAX. DRAG					18					Caustic					Soda Ash					Gelex					DAILY DISPOSAL COSTS					CUM BBLs					0									
SLACKOFF WT.					275					TQ. ON BTM					19,000					Bar					Lime					Tackle					DAILY LIQUIDS					0														
BHA HOURS					26					TQ. OFF BTM					15,000					Pac-R					Alum Ster					Cost					TOTAL LIQUIDS					0														
HOURS					TIME CODE					CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																																												
5.00					6: Tripping					Trip in the hole to 12,039'. When filling pipe, the rig crew noticed the rotating head was leaking.																																												
1.25					27: Other					Change Rotating head element, back up RCD was also leaking.																																												
0.75					6: Tripping					Tripping in the hole from 12,039' to 13,412'																																												
2.00					3: Washing/Reaming					Wash and ream from 13,412' to 14,288'																																												



Ameredev LLC																	Report # 87	
Morning Drilling Report																		
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE					
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING			Sat, March 20, 2021					
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD	TVD	DAILY FT	FT/HR	ROT HRS
		12/27/2020		83										15,390	15,390	0	0	0
Current Operation:				Washing and Reaming hole.				Next 24 Hours:				Wash, Ream and Clean Hole.						
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size		
Surface	24			1,383	1,383											26		
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	Halcem	410	14,80000	1,33000	0	635 / 410	22		
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12.375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2		
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4		
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI						
Bamet				2,799	3,279	4,139	90		30		30							
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP			
5.0	6.500	255.4456352	402	91	0.37						13,235		13.2		2,202			
GPS #1	LINER X STROKE			SPM #1	LINER X STROKE			SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE		
3.52	5.5			12	70			5.5	12	70			492	2,559				
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT		
10.0	10.0	28.0	28.0	1.0	4.0	1.0	2.0	100.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0		
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM							
8.00	0.20	0.05	0.20	135000.00	13200.00	0.00	88.00	0.00	0.00	0.00	0.00							
PREV BIT #	Re-Run	SIZE	MFG#	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA		
32		8 1/2	Varel	FY713P-F	6021458	14	14	14	14	14	14	14	14	0	0	1.0523		
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON		
3/15/2021 5:30		15260	15390	20.00	34.00	7	22.6	5.75										
CUR. BIT #	Re-Run	SIZE	MFG#	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA		
33		8 1/2	Halliburton	GTD74DHE	13096025	18	18	18	18	18	18	18	18	0	0	1.7395		
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON		
		0	0					0	1		NO	A	X	IN	NO			
FUEL DELIVERED				7,256	FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER	
FUEL ON HAND				9,652	TOTAL FUEL USED				122 167				DAILY SOLIDS				0	OWNER
PICKUP WT.				329	AVG. DRAG				15				TOTAL SOLIDS				0	DAILY BBLs
ROTATING WT.				304	MAX. DRAG				18				DAILY DISPOSAL COSTS					CUM BBLs
SLACKOFF WT.				275	TQ. ON BTM				19,000				DAILY LIQUIDS				0	
BHA HOURS				26	TQ. OFF BTM				15,000				TOTAL LIQUIDS				0	
HOURS				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )														
3.00	3: Washing/Reaming			Wash and Ream from 14,288' to 14,333'														
0.50	6: Tripping			Pull 3 stands to 14,050'														
8.50	3: Washing/Reaming			Wash and ream from 14,050' to 14333'														
0.50	5: Cond. Mud & Circ			Circulate Bottoms up before working on pumps isolation valve washed out between pumps.														
0.75	27: Other			C/O Valve & Seat in #1 Mud Pump														
1.00	3: Washing/Reaming			Wash and Ream from 14333' to 14340', ( Drill string plugged off)														
1.25	6: Tripping			Trip out of hole to 13267' Establish circulation through Drill String.														
0.50	27: Other			C/O 5" isolation valve between mud pumps														
1.50	5: Cond. Mud & Circ.			Pump slug, Trip out of hole for failed float valve														
2.25	6: Tripping			Trip out of hole to 9,319														
0.25	27: Other			Pick up String Float														
1.50	6: Tripping			Trip in Hole to 13,030'														
1.00	27: Other			Change out rotating head.														
0.50	6: Tripping			Trip in Hole to 13,876'														
1.00	3: Washing/Reaming			Wash and ream from 13,876' to 14,068'														
24.00	No Accidents, Spills or Inspections to report																	
QTY	BHA ITEM				LENGTH	TIME DISTRIBUTION		DAILY	CUM	KOP MD/TVD		Pen Pt MD/TVD		Lndg Pt MD/TVD				
1	8.5" Halliburton Bit				1.00	1: M/RU/ROMO		0.00	81.00									
1	Bit Sub				4.00	2: Drilling		0.00	358.50	Depth		Dev.	Azi.	TVD	VS	DLS		
1	6.75" UBHO Sub				2.59	3: Washing/Reaming		13.50	96.00	12,170		1.53	98	12,165	-111.08	0.22		
1	6.75" NMDC				36.79	4: Lost Circulation		0.00	11.75	12,264		1.42	101	12,259	-112.99	0.14		
1	6.75" Pony DC				14.62	5: Cond. Mud & Circ		2.00	127.50	12,359		1.35	95	12,354	-114.77	0.16		
1	8.25" IBS Stabilizer				5.25	6: Tripping		6.00	525.75	12,453		1.39	91	12,448	-116.39	0.12		
18	6.5" Drill Collars				545.67	7: Lubricate Rig		0.00	14.00	12,548		1.44	89	12,543	-117.99	0.06		
24	5" HWOP				727.35	8: Rig Repair		0.00	31.50	12,642		1.63	83	12,637	-119.57	0.28		
						9: Cut Drig Line		0.00	9.50	12,737		1.87	82	12,732	-121.26	0.25		
						10: Deviation Survey		0.00	0.50	12,831		2.11	85	12,826	-123.20	0.27		
						11: Wireline Logging		0.00	74.00	12,926		2.15	86	12,921	-125.40	0.07		
						12: Run Casing		0.00	94.50	13,020		2.28	84	13,015	-127.63	0.17		
						13: Cement Casing		0.00	44.75	13,115		2.60	82	13,110	-130.00	0.34		
						14: Wait On Cement		0.00	20.00	13,238		3.28	81	13,233	-133.59	0.55		
						15: NU BOP's		0.00	106.75	13,315		3.54	84	13,309	-136.27	0.40		
						16: Test BOP's		0.00	30.00	13,410		4.17	84	13,404	-140.14	0.66		
						17: Plug Back		0.00	0.00	13,504		2.55	94	13,498	-143.74	1.81		
						18: Squeeze Cmt		0.00	0.00	13,599		2.58	94	13,593	-146.85	0.04		
						19: Fishing		0.00	42.75	13,694		2.60	91	13,688	-149.92	0.14		
						20: Directional Work		0.00	35.50	13,783		3.12	81	13,777	-152.68	0.82		
						21: Weather		0.00	0.00	13,878		3.41	84	13,872	-155.85	0.37		
						22: Well Control		0.00	192.75	13,972		3.17	88	13,965	-159.27	0.34		
						23: Waiting-Orders/Equip		0.00	0.00	Planned VS =		feet @		azimuth				
						24: Drill Cmt / Shoe Test		0.00	7.75	DAY DRILLING FOREMAN				CELL PHONE NUMBER				
						25: Jet & Clean Pits		0.00	0.00	Diego Barraza								
Joints	DP ITEM	Motor RPG	OD	#/FT	GRADE	LENGTH	26: Regulatory		0.00	54.50	NIGHT DRILLING FOREMAN				CELL PHONE NUMBER			
219	DP	5	19.5	S-135		6903.28	27: Other		2.50	95.00	Stephen Ritter							
							28: Other		0.00	13.75	AMEREDDEV PERSONELL							
							29: Other		0.00	0.00	DRILLING SUPERINTENDENT				JT Wilkerson			
							30: Other		0.00	0.00	DRILLING ENGINEER				John Zabalzano			
					Kelly	7149.45	31: Other		0.00	0.00	DAY CONTROL ROOM SUP				David Pope			
					Total Depth	15390.00	TOTALS		24.00	2068.00	NIGHT CONTROL ROOM SUP				Ted Cheatwood			
Cost Input																		
Cost Type	Charge	Code		Description				Vendor	Unit Cost	Quantity	Cost	Carry Over						
8500	0.094	SUPERVISION / CONTRACT		Diego Barraza/Stephen Ritter				Rusco Operating LLC		1.0		Yes						
8500	0.094	SUPERVISION / CONTRACT		Ted Cheatwood /David Pope				Rusco Operating LLC		1.0		Yes						
8500	0.024	SURFACE RENTALS		Trash trailer 2 Porta pots. Water and Septic for office trailer. 3 Light Plants				Hoppe's Construction LLC		1.0		Yes						
8500	0.024	SURFACE RENTALS		Internet & Intercoms				versat Communications USA		1.0		Yes						
8500	0.024	SURFACE RENTALS		Forklift \$150/day				Boland Field Services LLC		1.0		Yes						
8500	0.024	SURFACE RENTALS		14 x Flat bottom Frac tanks				Blueprint Oilfield Services		1.0		Yes						
8500	0.024	SURFACE RENTALS		4 Sets of pipe Bolsters				Divine Energy Services Inc		1.0		Yes						
8500	0.024	SURFACE RENTALS		4 Sets of pipe racks				Divine Energy Services Inc		1.0		Yes						
8500	0.024	SURFACE RENTALS		PVT/Chokes \$477 plus \$70 on days with gas detection				Pason		1.0		Yes						
8500	0.01	DRILLING RIG		Citadel Rig #3				Citadel Drilling		1.0		Yes						
8500	0.024	SURFACE RENTALS		1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank				Johnso Specialty Tools LLC		1.0		Yes						
8500	0.024	SURFACE RENTALS		Diverter Line, Drive over & Igniter				Iron Horse Tools LLC		1.0		Yes						
8500	0.124	ETY AND EMERGENCY RESP		H2s Compliance Package				merican Safety Services, In		1.0		Yes						
8500	0.066	DS CONTROL EQUIP / SERV		Solid Control Equipment and Hands				KSW Oilfield Rental LLC		1.0		Yes						
8500	0.198	MUD LOGGING		Mud Logging Service				ckstone Analytics Mud Logg		1.0		Yes						
8500	0.024	SURFACE RENTALS		Minion Tank				Think Tank		1.0		Yes						
8500	0.048	LL CONTROL EQUIP / SERVI		Rotating Head & MPD				Opla		1.0		Yes						
8500	0.032	DIRECTIONAL DRILLING		MWD Daily cost - Operating				Halliburton Energy Services		1.0		Yes						
8500	0.06	D, ADDITIVES, AND CHEMIK		Mud additives & driveby mud check				NOVA Mud		1.0		Yes						
8500	0.032	DIRECTIONAL DRILLING		Leam Motor Rental				Leam		1.0		Yes						
8500	0.024	SURFACE RENTALS		Kelly Hose Re-stock Fee				Citadel Drilling		1.0		No						
8500	0.072	CEMENTING		Kick off plug for cancelled side-track				ransTex Cementing Service		1.0		No						
8500	0.06	D, ADDITIVES, AND CHEMIK		Brine Water 10# for drilling 500 BBL				Intrepid Potash Inc		1.0		No						
8500											\$ -							
8500											\$ -							
8500											\$ -							
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**Ameredev LLC**  
**Morning Drilling Report**

Report # 88

WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE		DATE																															
INDEPENDENCE AGI #1				[REDACTED]		0		30-025-48081		DRILLING		Sun, March 21, 2021																															
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS																							
		12/27/2020		84		[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]		15,390		15,390		0		0																							
Current Operation:				Reaming tight hole.				Next 24 Hours:				Ream and clean up tight hole																															
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size															
Surface		24		1,383		1,383																						26															
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635.000		11		3		HalCem		410		14.80000		1.33000		0		635 / 410		22															
Intermediate		13.625" Q-125 88-2# BTC		0		7,150		12.375		12.219		10.030		4,800		3,191				0.149 bbls/ft		1,051.00000		311# 9/3350.35		/		17 1/2															
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8.525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000				/		12 1/4															
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI																							
				2,799		3,279		4,139		30		30		30		30		30		30																							
DP SIZE				DC SIZE		OP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP																					
5.0				6.500		255.4456352		402		91		0.37						13,235		13.2		2,202																					
GPS #1				LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE																			
3.52				5.5		12		70		3.52		5.5		12		70		492				2,559																					
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT											
10.0		10.0		28.0		28.0		1.0		4.0		1.0		2.0		100.0		0.0		0.0		0.0		0.0		3.8		0.0		0.0		0.0											
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM																					
8.00		0-20		0.05		0.20		135000.00		13200.00		0.00		88.00		0.00		0.00		0.00		0.00																					
PREV BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
32				8 1/2		Varel		FY713P-F		6021458		14		14		14		14		14		14		14		0		0		0		1.0523											
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
3/15/2021 5:30		3/15/2021 12:30		15260		15390		20.00		34.00		7		22.6		5.75																											
CUR. BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
33				8 1/2		Halliburton		GTD74DHE		13096025		18		18		18		18		18		18		18		0		0		0		1.7395											
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
				0		0								0		0		1		1		NO		A		X		IN		NO		None Of Parameters High											
FUEL DELIVERED				FUEL USED TODAY				1,810				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER																							
FUEL ON HAND				7,842				TOTAL FUEL USED				123,977				Gel				ABO				DAILY SOLIDS				0				OWNER											
PICKUP WT.				329				AVG. DRAG				15				Poly Plus				Quick Thin				PolyPac Ul				TOTAL SOLIDS				0				DAILY BBLs				0			
ROTATING WT.				304				MAX. DRAG				18				Caustic				Soda Ash				Galex				DAILY DISPOSAL COSTS				CUM BBLs				0							
SLACKOFF WT.				275				TQ. ON BTM				19,000				Bar				Lime				Tackle				DAILY LIQUIDS				0											
BHA HOURS				26				TQ OFF BTM				15,000				Pac-R				Alum Ster				Cost				TOTAL LIQUIDS				0											
HOURS				TIME CODE								CHRONOLOGICAL ACTIVITY (0600 HRS TO 0600 HRS)																															
11.00				3: Washing/Reaming				Wash and ream from 14,066' to 14,270'																																			
3.00				27: Other				Circulate with #2 pump while changing liner gasket and wear plate on #1 pump																																			
7.00				3: Washing/Reaming				Wash and ream from 14,270'to 14,322'																																			



Ameredev LLC																	Report # 89					
Morning Drilling Report																						
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE								
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Mon, March 22, 2021								
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS		
		12/27/2020		85								15,390		15,390		0		0		0		
Current Operation:				Waiting on Orders to cement or fish BHA.						Next 24 Hours:				Pump cement or fish BHA.								
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size						
Surface	24			1,383	1,383											26						
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	Halcem	410	14,80000	1,33000	0	635 / 410	22						
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12.375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2						
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4						
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI										
Bamet				2,799	3,279	4,139	90		30		30											
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF							
5.0	6.500	255.4456352	402	91	0.37						13,235		13.2		2,202							
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE						
3.52	5.5			12	70	3.52		5.5	12	70			492			2,559						
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT						
10.0	10.0	28.0	28.0	1.0	4.0	1.0	2.0	100.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0						
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM											
8.00	0.20	0.05	0.20	135000.00	13200.00	0.00	88.00	0.00	0.00	0.00	0.00											
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA						
32		8 1/2	Varel	FY713P-F	6021458	14	14	14	14	14	14	14	14	0	0	1.0523						
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON						
3/15/2021 5:30		15260	15390	20.00	34.00	7	22.6	5.75														
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA						
33		8 1/2	Halliburton	GTD7ADHE	13096025	18	18	18	18	18	18	18	18	0	0	1.7395						
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON						
		0	0					0	1	1	NO	A	X	IN	NO	Rate of Penetration (ft/hr)						
FUEL DELIVERED				FUEL USED TODAY				1,689	MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
FUEL ON HAND				6,153	TOTAL FUEL USED				125,666	Gel		Mica	ABQ	DAILY SOLIDS				0	OWNER			
PICKUP WT.		329		AVG. DRAG	15	Poly Plus		Quick Thix		PolyPac UI		TOTAL SOLIDS				0	DAILY BBLs					
ROTATING WT.		304		MAX. DRAG	18	Caustic		Soda Ash		Gelox		DAILY DISPOSAL COSTS					CUM BBLs					
SLACKOFF WT.		275		TQ. ON BTM	19,000	Bar		Lime		Tackle		DAILY LIQUIDS				0						
BHA HOURS		26		TQ. OFF BTM	15,000	Pac-R		Alum Ster		Cost		TOTAL LIQUIDS				0						
HOURS				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																		
5.50	3: Washing/Reaming		Washing and reaming from 14,260' to 14,313'																			
0.75	27: Other		Change leaking Rotating Head.																			
0.50	7: Lubricate Rig		Rig Service & Inspect Top Drive.																			
7.00	3: Washing/Reaming		Washing and reaming from 14,260' to 14300'. Decision was made to trip out for a 7 7/8" bit.																			
2.25	6: Tripping		Trip out of hole to 7145'																			
0.50	7: Lubricate Rig		Service rig. Adjust kelly hose on top drive																			
1.50	6: Tripping		Trip to surface. On Surface we found BHA had parted. We left a bit, bit sub, 1 It HWDP, Float Sub & Pin end of another joint of HWDP.																			
2.00	27: Other		Lay Down 2 damaged joints of HWDP and replace with new ones.																			
1.00	9: Cut Orig Line		Cut off 180' of drill line.																			
0.25	22: Well Control		BOP Drill with rig crew. Discuss with crew members responsibilities, kick warning signs and valve alignments.																			
0.50	7: Lubricate Rig		Rig Service.																			
2.25	23: Waiting-Orders/Equip		Waiting on Orders to pump cement.																			



## Report # 90

### Cost Input

[illegible]



## Report # 91

### Cost Input



Ameredev LLC																				Report # 92	
Morning Drilling Report																					
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE							
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Thu, March 25, 2021							
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR			
		12/27/2020		88								15,390		15,390		0		0			
Current Operation:				Picking up BHA #36				Next 24 Hours:				Pick up BHA, trip in hole, dress cement, time drill & sidetrack off cement plug.									
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size					
Surface	24			1,383	1,383											26					
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	Halcem	410	14,80000	1,330000	0	635 / 410	22					
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12.375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.000000	3118.9/5350.35	/	17 1/2					
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4					
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI									
Barnet				2,799	3,279	4,139	90	30	30												
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.			COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF					
5.0	6.500	255.4456352	402	171	1.33							13,235		13.2		2,202					
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE					
3.52	5.5 12			70	3.52	5.5 12		70					492			2,559					
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT					
10.0	28.0	28.0	28.0	1.0	4.0	1.0	2.0	100.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0					
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM										
8.00	0.20	0.05	0.20	135000.00	13200.00	0.00	88.00	0.00	0.00	0.00	0.00										
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
35		8 1/2	Varel	HE37MRSV	1640061	20	20	20	0	0	0	0	0	0	0	0.9204					
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
1/0/1900 0:00	1/0/1900 0:00	0	0					0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	PSI Loss					
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
36		8 1/2	Varel	Insert	1640061	20	20	20	0	0	0	0	0	0	0	0.9204					
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
		0	0					0													
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
FUEL ON HAND				11,220				TOTAL FUEL USED				127.884				Gel					
PICKUP WT.	329			AVG. DRAG	15	Poly Plus		Quick Thin		ABQ		DAILY SOLIDS		0		OWNER					
ROTATING WT.	304			MAX. DRAG	18	Caustic		Soda Ash		Galex		TOTAL SOLIDS		0		DAILY BBLs					
SLACKOFF WT.	275			TQ. ON BTM	19,000	Bar		Lime		Tackle		DAILY DISPOSAL COSTS		CUM BBLs		0					
BHA HOURS	26			TQ. OFF BTM	15,000	Pac-R		Alum Ster		Cost		DAILY LIQUIDS		0		TOTAL LIQUIDS					
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )													
0.75	5: Cond. Mud & Circ			Stopped at 12,200' to attempt to pump through drill string. Initially pressured up, but after working pipe, the pressure came off and we were able to circulate.																	
0.75	6: Tripping			Trip in hole to casing shoe.																	
2.00	3: Washing/Reaming			Wash from casing shoe to 14,206'																	
2.50	5: Cond. Mud & Circ			Pump fluid caliper log.																	
4.75	23: Waiting-Orders/Equip			Wait on Cement.																	
1.75	13: Cement Casing			Circulate while Rigging up Cementers.																	
1.75	13: Cement Casing			Spot Cement Kick off plug @ 14177', W/ 890 sks Class H Cement 150 bbls 17.5 ppg and .95 yield																	
5.75	6: Tripping			Trip out of hole to 1280'																	
3.75	6: Tripping			Lay Down tubing.																	
0.25	27: Other			Pick up BHA #36																	



Ameredev LLC																	Report # 93				
Morning Drilling Report																					
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE								
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING			Fri, March 26, 2021								
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		F/HR		ROT HRS	
		12/27/2020		89								15,390		15,390		0		0		3	
Current Operation:				Time drilling @ 5 min/inch:				Next 24 Hours:				Time drill off cement plug and sidetrack well bore.									
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size					
Surface	24			1,383	1,383											26					
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	Halcem	410	14,80000	1,33000	0	635 / 410	22					
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12.375	12,219	10,090	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2					
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4					
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI									
Bamet				2,799	3,279	4,139	90		30												
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.			COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF					
5.0	6.500	255.4456352	402	171	1.33							13,235		13.2		2,202					
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE					
3.52	5.5			12	70	3.52		5.5	12	70			492			2,559					
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec		Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND					
10.0	10.0	28.0	28.0	1.0	4.0	1.0		2.0	100.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0					
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL		WATER	O-W	LIME	ES	LCM									
8.00	0.20	0.05	0.20	135000.00	13200.00	0.00		88.00	0.00	0.00	0.00	0.00									
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
35		8 1/2	Varel	HE37MRSV	1640061	20	20	20	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.9204					
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
1/0/1900 0:00	1/0/1900 0:00	0	0						n/a	n/a				n/a	n/a	PSI Loss					
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
36		8 1/2	Varel	Insert	1640061	20	20	20	0	0	0	0	0	0	0	0.9204					
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
3/26/2021 3:00	3/26/2021 6:00	13385	13389	4.00		3	1.3	3													
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
FUEL ON HAND				10,617	TOTAL FUEL USED				128.487	Gel		Mica		ABQ		DAILY SOLIDS		0	OWNER		
PICKUP WT.				329	AVG. DRAG				15	Poly Plus		Quick Thin		PolyPac UI		TOTAL SOLIDS		0	DAILY BBLs	0	
ROTATING WT.				304	MAX. DRAG				18	Caustic		Soda Ash		Galex		DAILY DISPOSAL COSTS		CUM BBLs		0	
SLACKOFF WT.				275	TQ. ON BTM				19,000	Bar		Lime		Tackle		DAILY LIQUIDS		0			
BHA HOURS				26	TQ. OFF BTM				15,000	Pac-R		Alum Ster		Cost		TOTAL LIQUIDS		0			
HOURS				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																	
0.75	27: Other			Pick up Directional BHA.																	
0.50	7: Lubricate Rig			Service Rig and Troubleshoot hydraulic elevators.																	
2.25	27: Other			Pick up Directional BHA.																	
1.25	8: Rig Repair			Troubleshoot hydraulic elevators and replace with manual elevators.																	
3.50	6: Tripping			Trip in hole.																	
0.25	5: Cond. Mud & Circ			Fill Pipe and test MWD.																	
3.00	6: Tripping			Trip in the hole to 9117'.																	
1.00	9 Cut Drig Line			Slip and Cut Drill Line.																	
0.50	7 Lubricate Rig			Rig service																	
0.75	8: Rig Repair			C/O linklit cylinder																	
1.75	6: Tripping			Trip in hole from 9117' to 11971'																	
5.50	3 Washing/Reaming			Wash from 11971' to 13348' (aged cement stringer @ 11971' and 12235' , taped top of cement @ 13348' Dressed down to 13385' Drilling 200 fph w/10k wob.																	
3.00	2 Drilling			Slide w/ Bit #36 From 13385' to 13389' (11'ft/hr) w/ 4 WOB, Surf RPM, Motor RPM, Time Drill 5 min/inch																	



## Report # 94

WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE															
INDEPENDENCE AGI #1				0		0		30-025-48081		DRILLING				Sat, March 27, 2021															
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS							
		12/27/2020		90										13,479		13,965		-1,911		-82		23							
Current Operation:				Sliding to turn well bore to the West.						Next 24 Hours:				Slide and rotate as necessary. Trip for PDC bit.															
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size	
Surface		24		1,383		1,383																						26	
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635.000		11		3		Halcem		410		14.80000		1.33000		0		635 / 410		22	
Intermediate		13.625" O-125 88.2# BTC		0		7,150		12.375		12.219		10.030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118 g/5350.35		/		17 1/2	
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8.525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000				/		12 1/4	
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI									
				2,799		3,279		4,139		30		30		30		30		13,235											
DP SIZE				DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP							
5.0				6.500		255.4456352		402		171		1.33								13.2		2,202							
GPS #1				LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE					
3.52				5.5		12		70		3.52		5.5		12		70		492		492		2,559							
MW IN				MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID	
10.0				10.0		28.0		28.0		1.0		4.0		0.0		100.0		0.0		0.0		0.0		0.0		3.8		0.0	
PH				PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM					
8.00				0.20		0.05		0.20		135000.00		13200.00		0.00		88.00		0.00		0.00		0.00		0.00					
PREV BIT #				Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8	
35						8 1/2		Varel		HE37MRSV		1640061		20		20		20		0		0		0		0		0	
START FT				END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC		BEARING	
1/0/1900 0:00						0		0		0		0		0		0		0		n/a		n/a		n/a		n/a		n/a	
CUR. BIT #				Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8	
36						8 1/2		Varel		Insert		1640061		20		20		20		0		0		0		0		0	
START FT				LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC		BEARING	
3/26/2021 3:00				3/27/2021 5:45		13385		13479		13.22		0.00		26.75		3.6		26.25											
FUEL DELIVERED						FUEL USED TODAY		1,448						MUD ADDITIVES IN LAST 24 HOURS						SOIL FARMING / MUD DISPOSAL		FRESH WATER							
FUEL ON HAND				9,169		TOTAL FUEL USED		129,935		Gel		Mica		ABO						DAILY SOLIDS		0		OWNER					
PICKUP WT.				329		AVG. DRAG		15		Poly Plus		Quick Thin		PolyPac Ul						TOTAL SOLIDS		0		DAILY BBLs		0			
ROTATING WT.				304		MAX. DRAG		18		Caustic		Soda Ash		Gelex						DAILY DISPOSAL COSTS				CUM BBLs		0			
SLACKOFF WT.				275		TQ. ON BTM		19,000		Bar		Lime		Tackle						DAILY LIQUIDS		0							
BHA HOURS				26		TQ. OFF BTM		15,000		Pac-R		Alum Ster		Cost						TOTAL LIQUIDS		0							
HOURS				TIME CODE										CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )															
2.00				2: Drilling																									
3.75				2: Drilling																									
1.50				2: Drilling																									
0.50				27: Other																									
0.75				2: Drilling																									
1.75				2: Drilling																									
9.75				2: Drilling																									
1.75				2: Drilling																									
2.00				2: Drilling																									
0.25				7: Lubricate Rig																									



Ameredev LLC																				Report # 95	
Morning Drilling Report																					
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE							
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Sun, March 28, 2021							
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		ROT HRS			
		12/27/2020		91								13,501		13,965		22		15			
Current Operation:				Orienting into sidetrack.				Next 24 Hours:				Trip to bottom and continue to rotate and slide according to plan.									
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size					
Surface	24			1,383	1,383											26					
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	Halcem	410	14,80000	1.33000	0	635 / 410	22					
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12.375	12,219	10,090	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2					
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4					
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI									
Bamet				2,799	3,279	4,139	90		30		30										
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT. 24 HRS.				COST/FT. (OA)				LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF			
5.0	6.500	255.4456352	402	115	0.59									13,235		13.2		2,202			
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE			SPM #2	GPS #3	LINER X STROKE			SPM #3	GPM	PUMPS		PUMP PRESSURE			
3.52	5.5			12	70	3.52			5.5	12	70			492		2,559					
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT					
10.0	10.0	28.0	28.0	1.0	4.0	1.0	2.0	100.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0					
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM										
8.00	0.20	0.05	0.20	135000.00	13200.00	0.00	88.00	0.00	0.00	0.00	0.00										
PREV BIT #	Re-Run	SIZE	MFR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
36		8 1/2	Varel	Insert	1640061	20	20	20	0	0	0	0	0	0	0	0.9204					
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
3/26/2021 3:00	3/27/2021 9:30	13385	13501	19.08	12.00	30.5	4.2	27.75	7	7	16	16	1	1	1	MWD Tool Failure					
CUR. BIT #	Re-Run	SIZE	MFR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
37		8 1/2	Utterra	U713M	54485	16	16	16	16	16	16	16	0	0	0	1.3744					
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
		0	0					0													
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
FUEL ON HAND				8,324				TOTAL FUEL USED				130 780									
PICKUP WT.				329				AVG. DRAG				15									
ROTATING WT.				304				MAX. DRAG				18									
SLACKOFF WT.				275				TQ. ON BTM				19,000									
BHA HOURS				26				TQ. OFF BTM				15,000									
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )													
0.25				7: Lubricate Rig				Rig Service													
0.50				27: Other				Troubleshoot MWD.													
0.50				2: Drilling				Slide w/ Bit #36 From 13479' to 13485' (12"/hr) w/ 35 WOB, Surf RPM, Motor RPM.													
0.25				27: Other				Troubleshoot MWD.													
0.75				2: Drilling				Slide w/ Bit #36 From 13485' to 13495' (13"/hr) w/ 40 WOB, Surf RPM, Motor RPM.													
1.00				27: Other				Troubleshoot MWD.													
0.25				2: Drilling				Rotate w/ Bit #36 From 13495' to 13501' (24"/hr) w/ 35 WOB, 60 Surf RPM, Motor RPM.													
11.50				6 Tripping				Trip out of hole to change bit and check MWD.													
4.00				20 Directional Work				L/D top Manel DC, OBHO, Sub MWD, Motor, P/U motor, UBHO sub, Make up Bit, Scribe, install MWD, TH with BHA, Test MWD tool( Good TEST )													
0.50				7: Lubricate Rig				Service rig, Change Dies in top drive clamp and roughneck.													
4.50				6: Tripping				Trip in to 13,375' Break Circulation and Orient Toolface to 180.													



Ameredev LLC																	Report # 96
Morning Drilling Report																	
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE				
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING			Mon, March 29, 2021				
DRLG CONTRACTOR		SPUD DATE	DAYS	Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD	TVD	DAILY FT	FT/HR	ROT HRS	
		12/27/2020	92	\$		\$		\$				13,826	13,965	325	25	13	
Current Operation:		Tripping in Hole with BHA #38					Next 24 Hours:					Trip in Hole and drill.					
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size	
Surface	24			1,383	1,383											26	
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635.000	11	3	HalCem	410	14.80000	1.33000	0	635 / 410	22	
Intermediate	13.625" Q-125 88.2# BTC			0	7,150	12.375	12.219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2	
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4	
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI					
Barnet				2,799	3,279	4,139	30		30		30						
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP		
5.0	6.500	255.4456352	402	115	0.59		\$		\$		13,235		13.2		2,202		
GPS #1	LINER X STROKE		SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE		
3.52	5.5		12	70	3.52		12	70				492			2,559		
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT	
10.0	10.0	28.0	28.0	1.0	4.0	1.0	2.0	100.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O:W	LIME	ES	LCM						
8.00	0.20	0.05	0.20	135000.00	13200.00	0.00	88.00	0.00	0.00	0.00	0.00						
PREV BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA	
37		8 1/2	Ultrerra	U713M	54485	16	16	16	16	16	16	16	0	0	0	1.3744	
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON	
3/28/2021 8:00	3/28/2021 21:00	13501	13826	30.46	46.00	13	25.5	12.75	2	4	WT	G	X	IN	NO	Rate Off Penetration Issue	
CUR. BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA	
38		8 1/2	Halliburton	GTD74DHE	13526287	16	16	16	16	16	16	16	0	0	0	1.3744	
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON	
		0	0					0									
FUEL DELIVERED				FUEL USED TODAY		MUD ADDITIVES IN LAST 24 HOURS						SOIL FARMING / MUD DISPOSAL		FRESH WATER			
FUEL ON HAND		8,324	TOTAL FUEL USED		130,780	Gel		Mica		ABO		DAILY SOLIDS		0	OWNER		
PICKUP WT.		329	AVG. DRAG		15	Poly Plus		Quick Thin		PolyPac UI		TOTAL SOLIDS		0	DAILY BBLS	0	
ROTATING WT.		304	MAX. DRAG		18	Caustic		Soda Ash		Gelex		DAILY DISPOSAL COSTS			CUM BBLS	0	
SLACKOFF WT.		275	TQ. ON BTM		19,000	Bar		Lime		Tackle		DAILY LIQUIDS		0			
BHA HOURS		26	TQ OFF BTM		15,000	Pac-R		Alum Ster		Cost		TOTAL LIQUIDS		0			
HOURS	TIME CODE			CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )													
0.25	27: Other			Orient Toolface to 180.													
0.25	20: Directional Work			Slide into Sidetrack without pumps. Cycle up MWD survey to confirm we are in sidetrack.													
0.50	27: Other			Re-Log missing Gamma data from 13,437' to 13,480'.													
0.75	27: Other			Change out leaking rotating head.													
0.25	27: Other			Re-Log missing Gamma data from 13,480' to 13,501'.													
0.25	2: Drilling			Rotate w/ Bit #37 From 13501' to 13514' (52'ft/hr) w/ 35 WOB, 60 Surf RPM, Motor RPM.													
0.50	2: Drilling			Slide w/ Bit #37 From 13514' to 13529' (30'ft/hr) w/ 18 WOB, Surf RPM, Motor RPM.													
0.50	2: Drilling			Rotate w/ Bit #37 From 13529' to 13546' (34'ft/hr) w/ 40 WOB, 60 Surf RPM, Motor RPM.													
0.75	2: Drilling			Slide w/ Bit #37 From 13546' to 13557' (15'ft/hr) w/ 18 WOB, Surf RPM, Motor RPM.													
0.75	2: Drilling			Rotate w/ Bit #37 From 13557' to 13577' (27'ft/hr) w/ 40 WOB, 60 Surf RPM, Motor RPM.													
1.25	2: Drilling			Slide w/ Bit #37 From 13577' to 13602' (20'ft/hr) w/ 20 WOB, Surf RPM, Motor RPM.													
2.75	2: Drilling			Rotate w/ Bit #37 From 13602' to 13672' (25'ft/hr) w/ 45 WOB, 70 Surf RPM, Motor RPM.													
0.50	2: Drilling			Slide w/ Bit #37 From 13672' to 13713' (82'ft/hr) w/ 15 WOB, 0 Surf RPM, Motor RPM.													
2.00	2: Drilling			Rotate w/ Bit #37 From 13713' to 13774' (31'ft/hr) w/ 45 WOB, 70 Surf RPM, Motor RPM.													
0.25	7: Lubricate Rig			Service Rig													
0.25	2: Drilling			Slide w/ Bit #37 From 13774' to 13776' (8'ft/hr) w/ 15 WOB, 0 Surf RPM, Motor RPM.													
1.00	2: Drilling			Rotate w/ Bit #37 From 13776' to 13800' (24'ft/hr) w/ 45 WOB, 70 Surf RPM, Motor RPM.													
1.25	2: Drilling			Slide w/ Bit #37 From 13800' to 13820' (16'ft/hr) w/ 15 WOB, 0 Surf RPM, Motor RPM.													
1.00	2: Drilling			Rotate w/ Bit #37 From 13820' to 13826' (6'ft/hr) w/ 45 WOB, 70 Surf RPM, Motor RPM.													
8.00	6: Tripping			Trip out of hole to check BHA													
0.50	20: Directional Work			Change Inshpect BHA. Change Bit and re-run Motor and MWD.													
0.50	6: Tripping			Tripping in Hole.													
24.00									No Accidents, Spills or Inspections to report								
QTY	BHA ITEM				LENGTH	TIME DISTRIBUTION		DAILY	CUM	KOP MD/TVD		Pen Pt MD/TVD		Lndg Pt MD/TVD			
1	8.5" Halliburton GTD74DHE				1.00	1: MIRU/RDMO		0.00	81.00								
1	7.25" Leam 7/8 8.5 FBH @1.50				36.00	2: Drilling		12.75	399.00	Depth	Dev.	Azi.	TVD	VS	DLS		
1	Float Sub				2.00	3: Washing/Reaming		0.00	134.00	12,170	1.53	98	12,165	-111.08	0.22		
1	Float Sub				3.00	4: Lost Circulation		0.00	11.75	12,264	1.42	101	12,259	-112.99	0.14		
1	6.5" UBHO				4.00	5: Cond. Mud & Circ		0.00	132.00	12,359	1.35	95	12,354	-114.77	0.16		
1	6.75" NMDC				30.00	6: Tripping		8.50	593.00	12,453	1.39	91	12,448	-116.39	0.12		
1	6.75" NMDC				31.00	7: Lubricate Rig		0.25	17.75	12,548	1.44	89	12,543	-117.99	0.06		
18	6.5" DC's				546.00	8: Rig Repair		0.00	33.50	12,642	1.63	83	12,637	-119.57	0.28		
21	5" HWDP				636.00	9: Cut Drlg Line		0.00	11.50	12,737	1.87	82	12,732	-121.26	0.25		
						10: Deviation Survey		0.00	0.50	12,831	2.11	85	12,826	-123.20	0.27		
						11: Wireline Logging		0.00	74.00	12,926	2.15	86	12,921	-125.40	0.07		
						12: Run Casing		0.00	94.50	13,020	2.28	84	13,015	-127.63	0.17		
						13: Cement Casing		0.00	48.25	13,115	2.60	82	13,110	-130.00	0.34		
						14: Wait On Cement		0.00	20.00	13,238	3.28	81	13,233	-133.59	0.55		
						15: NU BOP's		0.00	106.75	13,315	3.54	84	13,309	-136.27	0.40		
						16: Test BOP's		0.00	30.00	13,410	4.17	84	13,404	-140.14	0.66		
						17: Plug Back		0.00	0.00	13,504	2.55	94	13,498	-143.74	1.81		
						18: Squeeze Cmt		0.00	0.00	13,599	2.58	94	13,593	-146.85	0.04		
						19: Fishing		0.00	54.50	13,694	2.60	91	13,688	-149.92	0.14		
						20: Directional Work		0.75	40.25	13,783	3.12	81	13,777	-152.68	0.82		
						21: Weather		0.00	0.00	13,878	3.41	84	13,872	-155.85	0.37		
						22: Well Control		0.00	193.00	13,972	3.17	88	13,965	-159.27	0.34		
						23: Waiting-Orders/Equip		0.00	19.00	Planned VS =		feet @		azimuth			
						24: Drill Cmt / Shoe Test		0.00	7.75	DAY DRILLING FOREMAN				CELL PHONE NUMBER			
						25: Jet & Clean Pits		0.00	0.00	Hesston Cheatwood							
Joints	DP ITEM	OD	#/FT	GRADE	LENGTH	26: Regulatory		0.00	54.50	NIGHT DRILLING FOREMAN				CELL PHONE NUMBER			
219	DP	5	19.5	S-135	6903.28	27: Other		1.75	110.75	Marcus Jenkins							
						28: Other		0.00	13.75	AMEREDDEV PERSONELL							
						29: Other		0.00	0.00	DRILLING SUPERINTENDENT				JT Wilkerson			
						30: Other		0.00	0.00	DRILLING ENGINEER				John Zabaldano			
				Kelly	5633.72	31: Other		0.00	0.00	DAY CONTROL ROOM SUP				David Pope			
				Total Depth	13826.00	TOTALS		24.00	2281.00	NIGHT CONTROL ROOM SUP				Ted Cheatwood			
Cost Input																	
Cost Type	Charge	Code			Description				Vendor	Unit Cost	Quantity	Cost	Carry Over				
8500	0.094	SUPERVISION / CONTRACT			Hesston Cheatwood/Marcus Jenkins				Rusco Operating LLC		1.0		Yes				
8500	0.094	SUPERVISION / CONTRACT			Ted Cheatwood /David Pope				Rusco Operating LLC		1.0		Yes				
8500	0.024	SURFACE RENTALS			Trash trailer 2 Porta pots. Water and Septic for office trailer. 3 Light Plants				Hoppe's Construction LLC		1.0		Yes				
8500	0.024	SURFACE RENTALS			Internet & Intercoms				ersat Communications US		1.0		Yes				
8500	0.024	SURFACE RENTALS			Forklift \$150/day				Boland Field Services LLC		1.0		Yes				
8500	0.024	SURFACE RENTALS			14 x Flat bottom Frac tanks				Blueprint Oilfield Services		1.0		Yes				
8500	0.024	SURFACE RENTALS			4 Sets of pipe Bolsters				Divine Energy Services Inc		1.0		Yes				
8500	0.024	SURFACE RENTALS			4 Sets of pipe racks				Divine Energy Services Inc		1.0		Yes				
8500	0.024	SURFACE RENTALS			PVT/Chokes \$477 plus \$70 on days with gas detection				Pason		1.0		Yes				
8500	0.01	DRILLING RIG			Citadel Rig #3				Citadel Drilling		1.0		Yes				
8500	0.024	SURFACE RENTALS			1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank				Johnso Specialty Tools LLC		1.0		Yes				
8500	0.024	SURFACE RENTALS			Diverter Line, Drive over & Igniter				Iron Horse Tools LLC		1.0		Yes				
8500	0.124	TY AND EMERGENCY RESP			H2s Compliance Package				merican Safety Services, In		1.0		Yes				
8500	0.066	DS CONTROL EQUIP / SERV			Solid Control Equipment and Hands				KSW Oilfield Rental LLC		1.0		Yes				
8500	0.198	MUD LOGGING			Mud Logging Service				ckstone Analytics Mud Log		1.0		Yes				
8500	0.024	SURFACE RENTALS			Minion Tank				Think Tank		1.0		Yes				
8500	0.048	LL CONTROL EQUIP / SERV			Rotating Head & MPD				Opla		1.0		Yes				
8500	0.06	D, ADDITIVES, AND CHEMIC			Mud additives & driveby mud check				NOVA Mud		1.0		Yes				
8500	0.032	DIRECTIONAL DRILLING			Leam Motor Rental				Leam		1.0		Yes				
8500	0.032	DIRECTIONAL DRILLING			MWD Services				AIM		1.0		Yes				
8500												\$ -					
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## Report # 97

WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE		DATE																	
INDEPENDENCE AGI #1				[REDACTED]		0		30-025-48081		DRILLING		Tue, March 30, 2021																	
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS									
		12/27/2020		93		[REDACTED]		[REDACTED]		[REDACTED]		13,826		13,965		0		0		0									
Current Operation:				Tripping in hole @ 6,063'				Next 24 Hours:				TIH, Drill 8 1/2" Production Hole section.																	
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size	
Surface		24		1,383		1,383																						26	
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		Halcem		410		14.80000		1.33000		0		635 / 410		22	
Intermediate		13.625" O-125 88.2# BTC		0		7,150		12,375		12,219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118 9/5350.35				17 1/2	
Intermediate		9.625" L-80 47# BTC		0		13,235		8,681		8,525		6,870		5,740		1,086		1,122		0.073 bbls/h		963.00000						12 1/4	
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI									
				2,799		3,279		4,139		30		30		30		30													
DP SIZE				DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP							
5.0				6.500		255.4456352		402		174		1.36						13,235		13.2		2,202							
GPS #1				LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE					
3.52				5.5		12		70		3.52		5.5		12		70		492		2,559									
MW IN				MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS	
10.0				10.0		28.0		28.0		1.0		4.0		1.0		2.0		100.0		0.0		0.0		0.0		0.0		3.8	
PH				PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM					
8.00				0.20		0.05		0.20		135000.00		13200.00		0.00		88.00		0.00		0.00		0.00		0.00					
PREV BIT #				Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8	
37						8 1/2		Ultra		U713M		S4485		15		15		18		18		18		18		18		0	
START FT				END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING	
3/28/2021 8:00				3/28/2021 21:00		13501		13826		30.46		46.00		13		25.5		12.75		2		4		WT		G		X	
CUR. BIT #				Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8	
38						8 1/2		Halliburton		GTD74DHE		13526287		13		13		13		13		13		13		13		0	
START FT				LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING	
						0		0								0		0											
FUEL DELIVERED				0				FUEL USED TODAY				1,086				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
FUEL ON HAND				5,187				TOTAL FUEL USED				133,917				Gel				DAILY SOLIDS				0					
PICKUP WT.				329				AVG. DRAG				15				Poly Plus				Quick Thin				PolyPac UI					
ROTATING WT.				304				MAX. DRAG				18				Caustic				Soda Ash				Gelex					
SLACKOFF WT.				275				TQ. ON BITM				Bar				Lime				Tackle				DAILY DISPOSAL COSTS					
BHA HOURS				26				TQ OFF BITM				15,000				Pac-R				Alum Ster				Cost					
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																					
5.50				6: Tripping				Trip in hole to 13,051'																					
1.00				9: Cut Drlg Line				Cut & Slip Drill Line, Install Rotating Head.																					
1.00				6: Tripping				Trip in hole from 13051' to 13826'																					
1.50				27: Other				Attempt to Drill unable to get any ROP or Diff pressure																					
7.50				6: Tripping				Trip out of hole from 13826' to Surface																					
2.50				20: Directional Work				C/O bit , Motor, Scribe, Install MWD tool																					
5.00				6: Tripping				TIH t/ 6,063'																					



Ameredev LLC																				Report # 98													
Morning Drilling Report																																	
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																			
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Wed, March 31, 2021																			
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS											
		12/27/2020		94										14,440		14,440		614		34		18											
Current Operation				Drilling 8 1/2" production hole section @ 14,440'								Next 24 Hours								Drill 8 1/2" Production hole section.													
Type	Casing Specs			Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Int Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size					
Surface	24			1,383		1,383																						26					
Intermediate	20" N-80 133# BTC			0		3,412		NeoCam		635.000		11		3		Halcem		410		14.80000		1.33000		0		635 / 410		22					
Intermediate	13.625" Q-125 88.2# BTC			0		7,150		12.375		12.219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118.9/5350.35		/		17 1/2					
Intermediate	9.625" L-80 47# BTC			0		13,235		8.681		8.525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000		/		/		12 1/4					
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI													
Barnet				2,799		3,279		4,139		30				30				30															
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP													
5.0		6.500		381.3438412		601		135		1.36						13,235		13.2		1,514													
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE											
3.52		5.5		12		104		3.52		5.5		12		105		GPS #3		735				5,100											
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT	
11.0		11.0		39.0		39.0		15.0		8.0		5.0		8.0		4.0		0.0		0.0		0.0		0.0		6.8		0.0		0.0		0.0	
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		D W		LIME		ES		LCM											
10.50		0.35		0.20		1.20		176000.00		1200.00		0.00		83.10		0.00		0.00		0.00		0.00											
PREV BIT #		Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
38				8 1/2		Halliburton		GTD74DHE		13526287		13		13		13		13		13		13		13		0		0		0		0.9073	
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
1/0/1900 0.00		1/0/1900 0.00		0		0						0				0		2		5		8T		S		X		I		CT		Motor Failure	
CUR. BIT #		Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
39				8 1/2		Ultrerra		CF716		52498		18		18		18		18		18		18		18		0		0		0		1.7395	
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
3/30/2021 12:45		3/31/2021 6:00		13826		14440		38.33		45.00		19.25		33.6		18.25																	
FUEL DELIVERED				7,300		FUEL USED TODAY				2,232		MUD ADDITIVES IN LAST 24 HOURS								SOIL FARMING / MUD DISPOSAL				FRESH WATER									
FUEL ON HAND				10,255		TOTAL FUEL USED				136,145		Gel				Mica		ABO						DAILY SOLIDS		0		OWNER					
PICKUP WT.				320		AVG. DRAG				15		Poly Plus				Quick Thin		PolyPac UI						TOTAL SOLIDS		0		DAILY BBLs		0			
ROTATING WT.				285		MAX. DRAG				18		Caustic				Soda Ash								DAILY DISPOSAL COSTS				CUM BBLs		0			
SLACKOFF WT.				248		TQ. ON BTM				15,000		Bar				Lime				Tackle				DAILY LIQUIDS		0							
BHA HOURS				15		TQ OFF BTM				11,000		Pac-R				Alum Ster				Cost				TOTAL LIQUIDS		0							
CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																																	
0.25		27: Other			Safety Meeting/Crew Handover.																												
2.75		6: Tripping			Trip in the hole from 6159' to 13,300'.																												
0.25		22: Well Control			Install Rotating Head.																												
1.50		3: Washing/Reaming			Tripped to to 13,400' (Tight Spot) Wash from 13,400' to 13,826'																												
0.75		2: Drilling			Rotate w/ Bit #39 From 13826' to 13860' (45"/hr) w/ 35 WOB, 60 Surf RPM, 135 Motor RPM.																												
0.50		2: Drilling			Slide w/ Bit #39 From 13860' to 13875' (30"/hr) w/ 35 WOB, 0 Surf RPM, 135 Motor RPM.																												
1.00		2: Drilling			Rotate w/ Bit #39 From 13875' to 13923' (48"/hr) w/ 35 WOB, 60 Surf RPM, 135 Motor RPM.																												
0.50		22: Well Control			Change out Leaking Rotating Head.																												
6.50		2: Drilling			Rotate w/ Bit #39 From 13923' to 14212' (44"/hr) w/ 40 WOB, 60 Surf RPM, 135 Motor RPM. Mud weight 11 ppg. Returns through MPD, maintain 12.5 ppg BH ECD, no cavings at shakers.																												
1.00		2: Drilling			Slide w/ Bit #39 From 14212' to 14227' (15"/hr) w/ 40 WOB, Surf RPM, 132.3 Motor RPM. Hold 280 TF, Diff 220 psi																												
1.50		2: Drilling			Rotate w/ Bit #39 From 14227' to 14284' (38"/hr) w/ 40 WOB, 60 Surf RPM, 133.2 Motor RPM. 5200 psi with 600 psi Diff. 18k ft/lbs torque.																												
1.25		2: Drilling			Slide w/ Bit #39 From 14284' to 14294' (8"/hr) w/ 40 WOB, Surf RPM, 132.3 Motor RPM. Diff 220 psi, 280 MTF																												
1.25		2: Drilling			Rotate w/ Bit #39 From 14294' to 14350' (45"/hr) w/ 40 WOB, 60 Surf RPM, 133.2 Motor RPM. Returns through MPD, maintain 12.5 ppg ECD while drilling & on connections with choke adjustment and 11 ppg.																												
0.75		2: Drilling			Slide w/ Bit #39 From 14350' to 14359' (12"/hr) w/ 40 WOB, Surf RPM, 133.2 Motor RPM. 600 psi Diff with 280 MTF																												
3.00		2: Drilling			Rotate w/ Bit #39 From 14359' to 14430' (24"/hr) w/ 40 WOB, 60 Surf RPM, 130.5 Motor RPM. Drilled over half of stand with 500 GPM due to C/O swabs on pumps.																												
0.50		7: Lubricate Rig			Service and lubricate rig and topdrive.																												
0.75		2: Drilling			Slide w/ Bit #39 From 14430' to 14440' (13"/hr) w/ 35 WOB, 0 Surf RPM, 130.86 Motor RPM.																												
24.00																				No Accidents, Spills or Inspections to report.													
QTY		BHA ITEM				LENGTH		TIME DISTRIBUTION		DAILY		CUM		KOP MD/TVD		Pen Ft MD/TVD		Lndg Ft MD/TVD															
1		8.5" Ultrerra CF716				1.00		1 MIRU/RDMO		0.00		81.00																					
1		7.25" Leam 6/7 4.6 FBH @1.83 Slick				33.02		2 Drilling		18.25		417.25		Depth		Dev.		Azi.		TVD		VS		DLS									
1		Float Sub				3.83		3 Washing/Reaming		1.50		135.50		12,170		1.53		98		12,165		-111.08		0.22									
1		Float Sub				2.47		4 Lost Circulation		0.00		11.75		12,264		1.42		101		12,259		-112.99		0.14									
1		6.5" UBHO				3.95		5 Cond. Mud & Circ.		0.00		132.00		12,359		1.35		95		12,354		-114.77		0.16									
1		6.75" NMDC				30.19		6 Tripping		2.75		614.75		12,453		1.39		91		12,448		-116.39		0.12									
1		6.75" NMDC				30.77		7 Lubricate Rig		0.50		18.25		12,548		1.44		89		12,543		-117.99		0.06									
18		6.5" DC's				545.67		8 Rig Repair		0.00		33.50		12,642		1.63		83		12,637		-119.57		0.28									
21		5" HWDP				635.77		9 Cut Drig Line		0.00		12.50		12,737		1.87		82		12,732		-121.26		0.25									
								10 Deviation Survey		0.00		0.50		12,831		2.11		85		12,826		-123.20		0.27									
								11 Wireline Logging		0.00		74.00		12,926		2.15		86		12,921		-125.40		0.07									
								12 Run Casing		0.00		94.50		13,020		2.28		84		13,015		-127.63		0.17									
								13 Cement Casing		0.00		48.25		13,115		2.60		82		13,110		-130.00		0.34									
								14 Wait On Cement		0.00		20.00		13,238		3.28		81		13,233		-133.59		0.55									
								15 NU BOP's		0.00		106.75		13,315		3.54		84		13,309		-136.27		0.40									
								16 Test BOP's		0.00		30.00		13,410		4.17		84		13,404		-140.14		0.66									
								17 Plug Back		0.00		0.00		13,504		2.55		94		13,498		-143.74		1.81									
								18 Squeeze Out		0.00		0.00		13,599		2.58		94		13,593		-146.85		0.04									
								19 Fishing		0.00		54.50		13,694		2.60		91		13,688		-149.92		0.14									
								20 Directional Work		0.00		42.75		13,783		3.12		81		13,777		-152.68		0.82									
								21 Weather		0.00		0.00		13,878		3.41		84		13,872		-155.85		0.37									
								22 Well Control		0.75		193.75		13,972		3.17		88		13,965		-159.27		0.34									
								23 Waiting-Orders/Equip		0.00		19.00		Planned VS						feet @		azimuth											
								24 Drill Cmt / Shoe Test		0.00		7.75		DAY DRILLING FOREMAN								CELL PHONE NUMBER											
								25 Jet & Clean Pits		0.00		0.00		Hesston Cheatwood																			
Joints		DP ITEM		OD		#/FT		GRADE		LENGTH		26 Regulatory		0.00		54.50		NIGHT DRILLING FOREMAN				CELL PHONE NUMBER											
219		DP		5		19.5		5-135		6903.28		27 Other		0.25		112.50		Marcus Jenkins															
												28 Other		0.00		13.75		AMEREDDEV PERSONELL															
												29 Other		0.00		0.00		DRILLING SUPERINTENDENT				JT Wilkerson											
												30 Other		0.00		0.00		DRILLING ENGINEER				John Zabaldano											
												31 Other		0.00		0.00		DAY CONTROL ROOM SUP				Chris Huff											
												TOTALS		24.00		2329.00		NIGHT CONTROL ROOM SUP				Andy Slusarchuk											
Cost Input																																	
Cost Type	Charge	Code		Description								Vendor		Unit Cost	Quantity	Cost	Carry Over																
8500	0.094	SUPERVISION / CONTRACT		Hesston Cheatwood/Marcus Jenkins								Rusco Operating LLC			1.0		Yes																
8500	0.094	SUPERVISION / CONTRACT		Andy Slusarchuk /Chris Huff								Rusco Operating LLC			1.0		Yes																
8500	0.024	SURFACE RENTALS		Trash trailer 2 Porta pots. Water and Septic for office trailer. 3 Light Plants								Hoppe's Construction LLC			1.0		Yes																
8500	0.024	SURFACE RENTALS		Internet & Intercoms								wersat Communications US			1.0		Yes																
8500	0.024	SURFACE RENTALS		Forklift \$150/day								Boland Field Services LLC			1.0		Yes																
8500	0.024	SURFACE RENTALS		14 x Flat bottom Frac tanks								Blueprint Oilfield Services Inc			1.0		Yes																
8500	0.024	SURFACE RENTALS		4 Sets of pipe Bolsters								Divine Energy Services Inc			1.0		Yes																
8500	0.024	SURFACE RENTALS		4 Sets of pipe racks								Divine Energy Services Inc			1.0		Yes																
8500	0.024	SURFACE RENTALS		PVT/Chokes \$477 plus \$70 on days with gas detection								Pason			1.0		Yes																
8500	0.01	DRILLING RIG		Citadel Rig #3								Citadel Drilling			1.0		Yes																
8500	0.024	SURFACE RENTALS		1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank								Johnso Specialty Tools LLC			1.0		Yes																
8500	0.024	SURFACE RENTALS		Diverter Line, Drive over & Igniter								Iron Horse Tools LLC			1.0		Yes																
8500	0.124	TY AND EMERGENCY RESPON		H2s Compliance Package								American Safety Services, In			1.0		Yes																
8500	0.066	DS CONTROL EQUIP / SERV		Solid Control Equipment and Hands								KSW Oilfield Rental LLC			1.0		Yes																
8500	0.198	MUD LOGGING		Mud																													



Ameredev LLC																	Report # 99				
Morning Drilling Report																					
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE							
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Thu, April 1, 2021							
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS	
		12/27/2020		35								14,531		14,531		91		24		4	
Current Operation				TIH with BHA				Near 24 Hours				TIH, Drill 8 1/2" Production Hole Section.									
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size					
Surface	24			1,383	1,383											26					
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	HalCem	410	14,80000	1,33000	0	635 / 410	22					
Intermediate	13.625" Q-125 88.2# BTC			0	7,150	12,375	12,219	10,030	4,800	3,191		0.349 bbls/ft	1,051.00000	3118.9/3250.35	/	17 1/2					
Intermediate	9.625" L-80 47# BTC			0	13,235	8,681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4					
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI									
Barnet				2,799	3,279	4,139	105	30	30												
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHF/SQ IN BIT DIA		COST/FT. 24 HRS		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX ALLOWABLE SICP						
5.0	6.500	381.3438412	601	171	2.23						13,235		13.2		1,308						
GPS #1	LINER X STROKE			SPM #1	GPS #2			SPM #2	GPS #3	LINER X STROKE			SPM #3	GPM	PUMPS						
3.52	5.5			12	3.52			105					735		5,100						
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT					
11.3	11.3	37.0	37.0	13.0	7.0	5.0	8.0	11.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0					
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O W	LIME	ES	LCM										
8.50	0.05	0.05	1.10	175000.00	8.43	0.00	80.30	0.00	0.00	0.00	0.00										
PREV BIT #	Re-Run	SIZE	MFG	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
39		8 1/2	Utterra	CF716	52498	18	18	18	18	18	18	18	0	0	0	1,7395					
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
3/30/2021 10:45	3/31/2021 10:00	13826	14531	38.57	50.00	23.25	32.0	22	1	2	CT	N	X	I	3 PJ	RIG					
CUR. BIT #	Re-Run	SIZE	MFG	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
40		8 1/2	Varel	FY713P-F	6021458	16	16	16	16	16	16	16	0	0	0	1,3744					
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
		0	0					0													
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
0				1,689																	
FUEL ON HAND				TOTAL FUEL USED								DAILY SOLIDS				OWNER					
8,566				137,838				Gel				Mica				ASO					
PICKUP WT.				AVG. DRAG				Poly Plus <td colspan="4">Quick Thin</td> <td colspan="4">PolyPac Uli</td>				Quick Thin				PolyPac Uli					
320				15												TOTAL SOLIDS					
ROTATING WT.				MAX. DRAG				Caustic <td colspan="4">Soda Ash</td> <td colspan="4">Geler</td>				Soda Ash				Geler					
285				18												DAILY DISPOSAL COSTS					
SLACKOFF WT.				TO, ON BTM				Bar <td colspan="4">Lime</td> <td colspan="4">Tackle</td>				Lime				Tackle					
248				15,000												DAILY LIQUIDS					
BHA HOURS				TQ OFF BTM				Pac-R <td colspan="4">Alum Ster</td> <td colspan="4">Cost</td>				Alum Ster				Cost					
19				11,000												TOTAL LIQUIDS					
																0					
CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																					
HOURS		TIME CODE																			
0.25		27: Other		Safety Meeting/Crew Handover.																	
0.75		2: Drilling		Rotate w/ Bit #39 From 14440' to 14490' (6 7/8"/hr) w/ 40 WOB, 70 Surf RPM, 135 Motor RPM.																	
3.00		2: Drilling		Rotate w/ Bit #39 From 14490' to 14531' (14 1/4"/hr) w/ 40 WOB, 70 Surf RPM, 90 Motor RPM. #2 MP Down																	
0.25		8: Rig Repair		Took to 14,324' Unable to hold BP due to Rotating Head Leaking.																	
0.50		8: Rig Repair		Change out Rotating Head.																	
1.25		8: Rig Repair		Strip out of the hole to 12,836' with 1500 psi SBP.																	
0.50		8: Rig Repair		Spot 130 bbl 13.4 ppg Mud Cap.																	
0.25		8: Rig Repair		Remove Rotating Head/Install Flow Nipple.																	
7.50		8: Rig Repair		Continue TOOH with 8 1/2" bit & motor assembly from 12836 ft to 109 ft. Flow check, observe well static.																	
0.50		8: Rig Repair		Break out bit, mouse hole tools.																	
0.50		8: Rig Repair		Recover wear bushing, observe well static. While testing BOPs as per Mud Engineer, roll pits from shale-pit to suction, add 9001. 2 drums. Add 2 Caustic through the chemical barrel at 60 minutes per sack. Add 5 sx Soda Ash at 5 min/sack. Roll pits for 3 hours. (to address the WL increase).																	
0.75		16: Test BOP's		Set test plug, fill stack with water. Verify casing side outlet valve open. Conduct Pre-test Safety Meeting with all involved including Battle Energy Testers.																	
1.50		16: Test BOP's		Could not get test plug to seat, verify casing valve not plugged. Re-seat and obtain seal.																	
3.50		16: Test BOP's		Test BOP Blind, Upper & Lower variable 2 7/8" x 57/8" pipe rams, choke manifold valves, Upper & Lower Top-Drive valves, TWW and Gray valves to 250 psi 10 min low & 5000 psi 10 min high on all tests, except for Annubar, 250 psi 10 min low and 3500 psi 10 min high																	
0.50		16: Test BOP's		Conduct Accumulator Draw-down test.																	
0.50		6: Tripping		Install wear bushing.																	
2.00		8: Rig Repair		MWU bit, check floats, re-scribe, TIH with 8 1/2" bit & motor assembly BHA #40.																	
24.00				No Accidents, Spills or Inspections to report																	
QTY	BHA ITEM			LENGTH	TIME DISTRIBUTION			DAILY	CUM	KOP MD/TVD		Pen Pt MD/TVD		Lnds Pt MD/TVD							
1	8.5" Utterra CF716			1.00	1 MIRR/RDMO			0.00	81.00												
1	7.25" Learm 6/7 4.6 FBH @ 1.83 Stick			33.00	2 Drilling			3.75	421.00	Depth		Dev.		Azi							
1	Float Sub			4.00	3 Washing/Reaming			0.00	135.50	12,170		1.53		98							
1	Float Sub			2.00	4 Lost Circulation			0.00	11.75	12,264		1.42		101							
1	6.5" UBHO			4.00	5 Cond. Mud & Circ			0.00	132.00	12,359		1.35		95							
1	6.75" NMDC			30.00	6 Tripping			0.50	615.25	12,453		1.39		91							
1	6.75" NMDC			31.00	7 Lubricate Rig			0.00	18.25	12,548		1.44		89							
18	6.5" DC's			546.00	8 Rig Repair			13.25	46.75	12,642		1.63		83							
21	5" HWDP			636.00	9 Cut Drlg Line			0.00	12.50	12,737		1.87		82							
					10 Deviation Survey			0.00	0.50	12,831		2.11		85							
					11 Wireline Logging			0.00	74.00	12,926		2.15		86							
					12 Run Casing			0.00	94.50	13,020		2.28		84							
					13 Cement Casing			0.00	48.25	13,115		2.60		82							
					14 Wait On Cement			0.00	20.00	13,238		3.28		81							
					15 NU BOP's			0.00	106.75	13,315		3.54		84							
					16 Test BOP's			6.25	36.25	13,410		4.17		84							
					17 Plug Back			0.00	0.00	13,504		2.55		94							
					18 Squeeze Cmt			0.00	0.00	13,599		2.58		94							
					19 Fishing			0.00	54.50	13,694		2.60		91							
					20 Directional Work			0.00	42.75	13,783		3.12		81							
					21 Weather			0.00	0.00	13,878		3.41		84							
					22 Well Control			0.00	193.75	13,972		3.17		88							
					23 Waiting-Orders/Equip			0.00	19.00	Planned VS		feet @		azimuth							
					24 Drill Cmt / Shoe Test			0.00	7.75	DAY DRILLING FOREMAN		CELL PHONE NUMBER									
					25 Jet & Clean Pits			0.00	0.00	Hesston Cheatwood/											
					26 Regulatory			0.00	54.50	NIGHT DRILLING FOREMAN		CELL PHONE NUMBER									
					27 Other			0.25	112.75	Marcus Jenkins											
					28 Other			0.00	13.75	AMEREDDEV PERSONELL											
					29 Other			0.00	0.00	DRILLING SUPERINTENDENT		JT Willerson									
					30 Other			0.00	0.00	DRILLING ENGINEER		John Zabaldano									
					31 Other			0.00	0.00	DAY CONTROL ROOM SUP		Chris Huff									
					TOTALS			24.00	2353.00	NIGHT CONTROL ROOM SUP		Andy Slusarchuk									
Cost Input																					
Cost Type	Charge	Code		Description				Vendor	Unit Cost	Quantity	Cost	Carry Over									
8500	0.094	SUPERVISION / CONTRACT		Hesston Cheatwood/Marcus Jenkins				Rusco Operating LLC		1.0		Yes									
8500	0.094	SUPERVISION / CONTRACT		Andy Slusarchuk/Chris Huff				Rusco Operating LLC		1.0		Yes									
8500	0.024	SURFACE RENTALS		Trash trailer 2 Porta pots. Water and Septic for office trailer. 3 Light Plants				Hoppe's Construction LLC		1.0		Yes									
8500	0.024	SURFACE RENTALS		Internet & Intercoms				versat Communications US		1.0		Yes									
8500	0.024	SURFACE RENTALS		Forklift \$150/day				Boland Field Services LLC		1.0		Yes									
8500	0.024	SURFACE RENTALS		14 x Flat bottom Frac tanks				Blueprint Oilfield Services		1.0		Yes									
8500	0.024	SURFACE RENTALS		4 Sets of pipe Bolsters				Divine Energy Services Inc		1.0		Yes									
8500	0.024	SURFACE RENTALS		4 Sets of pipe racks				Divine Energy Services Inc		1.0		Yes									
8500	0.024	SURFACE RENTALS		PVT/Chokes \$477 plus \$70 on days with gas detection				Pason		1.0		Yes									
8500	0.01	DRILLING RIG		Ctadel Rig #3				Ctadel Drilling		1.0		Yes									
8500	0.024	SURFACE RENTALS		1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank				Johnso Specialty Tools LLC		1.0		Yes									
8500	0.024	SURFACE RENTALS		Diverter Line, Drive over & Igniter				Iron Horse Tools LLC		1.0		Yes									
8500	0.124	TY AND EMERGENCY RESP		H2s Compliance Package				merican Safety Services, In		1.0		Yes									
8500	0.066	DOS CONTROL EQUIP / SERV		Solid Control Equipment and Hands				IKSW Oilfield Rental LLC		1.0		Yes									
8500	0.198	MUD LOGGING		Mud Logging Service				ckstone Analytics Mud Logg		1.0		Yes									
8500	0.024	SURFACE RENTALS		Minion Tank				Think Tank		1.0		Yes									
8500	0.048	LL CONTROL EQUIP / SERV		Rotating Head & MPD				Opla		1.0		Yes									
8500	0.06	D, ADDITIVES, AND CHEMIC		Mud additives & drively mud check				NOVA Mud		1.0		Yes									
8500	0.032	DIRECTIONAL DRILLING		Learn Motor Rental				Learn		1.0		Yes									
8500	0.032	DIRECTIONAL DRILLING		MWD Services				AIM		1.0		Yes									
8500	0.024	SURFACE RENTALS		500 BBL pre-mix tank (\$450/Day)				McAda Drilling Fluids Inc		1.0		Yes									
8500	0.016	FUEL		7305 gallons Dyed diesel for rig tank				Sun Coast Resources Inc		1.0		No									
8500	0.03	DOWNHOLE RENTALS		Float sub, bit sub rental & float valves				A Oilfield Manufacturing Inc		1.0		No									
8500	0.028	DRILL BITS		8 1/2" PDC Varel #60201458				Varel		1.0		No									
8500											\$ -										
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Ameredev LLC																				Report # 100																							
Morning Drilling Report																																											
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																													
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Fri, April 2, 2021																													
DR/LG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS																					
		12/27/2020		96										14,531		14,531		0		0		0																					
Current Operation				Washing and reaming down @ 13,347'								Next 24 Hours		Wash and ream to bottom. Drill 8 1/2" Production hole.																													
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size															
Surface		24		1,383		1,383												410		14,80000		1,33000		0		635 / 410		26															
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		HalCem												22															
Intermediate		13.625" Q-125 88.2# BTC		0		7,150		12,375		12,219		10,030		4,800		3,191				0.349 bbls/ft		1,051.00000		3118.9/5350.35		/		17 1/2															
Intermediate		9.625" L-80 47# BTC		0		13,235		8,681		8,525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000				/		12 1/4															
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI																							
Barnet				2,799		3,279		4,139		30				30				30																									
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHF/SQ IN BIT DIA		COST/FT. 24 HRS		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX ALLOWABLE SICP																							
5.0		6.500		337.5531609		532		152		1.56						13,235		13.2		1,239																							
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE																					
3.52		5.5		12		93		3.52		5.5		12		92		92		651				4,700																					
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT													
11.4		11.4		44.0		44.0		16.0		8.0		7.0		11.0		5.8		0.0		0.0		0.0		0.0		8.3		0.0		0.0													
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O W		LIME		ES		LCM																					
10.00		1.10		0.40		2.60		171000.00		160.00		0.00		81.00		0.00		0.00		0.00		0.00																					
PREV BIT #		Re-Run		SIZE		MFR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
39		Re-Run		8 1/2		Utterra		CF716		52498		18		18		18		18		18		18		18		0		0		0		1,7395											
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
3/29/2021 10:45		3/31/2021 10:00		13826		14531		38.57		50.00		23.25		32.0		22		1		2		CT		N		X		I		3 PJ		RIG											
CUR. BIT #		Re-Run		SIZE		MFR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
40		Re-Run		8 1/2		Varel		FY713P-F		6021458		16		16		16		16		16		16		16		0		0		0		1,3744											
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
				0		0										0																											
FUEL DELIVERED				FUEL USED TODAY				1,086				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER																							
FUEL ON HAND				7,480				TOTAL FUEL USED				138,924				Gel				Mica				ASO				DAILY SOLIDS				0				OWNER							
PICKUP WT.				326				AVG. DRAG				15				Poly Plus				Quick Thin				PolyPac Uil				TOTAL SOLIDS				0				DAILY BBL'S				0			
ROTATING WT.				286				MAX. DRAG				18				Caustic				Soda Ash				Gelex				DAILY DISPOSAL COSTS				0				CUM BBL'S				0			
SLACKOFF WT.				248				TQ, ON BTM				15,000				Bar				Lime				Tackle				DAILY LIQUIDS				0											
BHA HOURS				19				TQ OFF BTM				11,000				Pac-R				Alum Ster				Cost				TOTAL LIQUIDS				0											
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																																							
0.25		27: Other		Safety Meeting/Crew Handover.																																							
6.25		8: Rig Repair		Trip in the hole to 13,235'.																																							
0.50		22: Well Control		Install Rotating Head.																																							
0.75		9: Cut Drlg Line		Slip and Cut Drill Line.																																							
0.50		5: Cond. Mud & Circ		Circulate Mud Cap/Bottoms up.																																							
1.75		6: Tripping		Strip in the Hole to 14,520' Holding 1000 psi SBR.																																							
2.00		5: Cond. Mud & Circ		Attempt to Circulate, work pipe from 14520 ft to 14531 ft, Hole Packed off, Establish Circ, observe 11.4 ppg in and 10 ppg out mud cut on bottoms up, substantial flare for 30 min. Decision made to rack back Stands. Work Pipe Out of the Hole.																																							
1.00		28 Other		Working tight hole from 14531 ft to 14247 ft between 230k down and 480k up. Normia P/U 320k, RT 282k, S/O 248k. No circulation, at 14247 ft observe breakout with 425k tripping out.																																							
1.50		6 Tripping		Strip out of hole maintaining 12.2 ppg ECD bottom hole pressure from 14247 ft to 13800 ft.																																							
9.50		3: Washing/Reaming		Establish circulation at 13800 ft with 8 1/2" bit & motor assembly, 650 gpm, 4076 psi, 30 rpm with 16k ft/lbs torque. Mud weight 11.4 ppg in and 11.3 ppg out. Keep 12.5 ppg bottom hole ECD with MPD adjustment. At 14259 ft increase bottom hole pressure from 12.5 ppg to 13 ppg ECD with MPD adjustment. Ream as torque and differential will allow. WL 5.8, chlorides 171k. Currently @ 13,347' washing and reaming down.																																							



Ameredev LLC																	Report # 101												
Morning Drilling Report																													
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE															
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Sat, April 3, 2021															
DR/LG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS									
		12/27/2020		37								14,531		14,531		0		0		0									
Current Operation				Washing and Reaming @ 14,485' while preparing to displace with OBM				No 1 24 HD 15				Place with OBM, Strip out to 13,800', clean pits and load with OBM, TH, Wash and ream to bottom																	
Type	Casing Specs			Top TMD		Btm TMD		ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size											
Surface	24			1,383		1,383												26											
Intermediate	20" N-80 133# BTC			0		3,412		NeoCem	635,000	11	3	HalCem	410	14,80000	1,33000	0	635 / 410	22											
Intermediate	13.625" Q-125 88.2# BTC			0		7,150		12.375	12,219	10,030	4,800	3,191		0.349 bbls/ft	1,051.00000	3118.9/3250.35	/	17 1/2											
Intermediate	9.625" L-80 47# BTC			0		13,235		8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4											
FORMATION																													
Barnet				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI									
				2,799		3,279		4,139		30				30				30											
				JET VELOCITY		HHP/SQ. IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX ALLOWABLE SICP													
				152		1.56						13,235		13.2		1,273													
DP SIZE	DC SIZE	DP AV	DC AV	SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE							
5.0	6.500	337.5531609	532	93		3.52		5.5		92		3.52		5.5		93		651				4,700							
GPS #1	LINER X STROKE			SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE							
3.52	5.5			12		93		3.52		5.5		12		92		93		651				4,700							
MW IN	MW OUT	VIS IN	VIS OUT	PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT	
11.4	11.4	42.0	42.0	15.0		16.0		8.0		16.0		3.0		0.0		0.0		0.0		0.0		11.2		0.0		0.0		0.0	
PH	PM	PF	MF	CHLORIDES		CALCIUM		OIL		WATER		O W		LIME		ES		LCM											
10.00	1.70	0.50	2.00	165000.00		120.00		0.00		80.00		0.00		0.00		0.00		0.00											
PREV BIT #	Re-Run	SIZE	MFG.	TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
39	Re-Run	8 1/2	Utterra	CF716		52498		18		18		18		18		18		18		18		18		0		0		1,7395	
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
3/30/2021 10:45	3/31/2021 10:00	13826	14531	38.57		50.00		23.25		32.0		22		1		2		CT		N		X		I		3 PJ		RIG	
CUR. BIT #	Re-Run	SIZE	MFG.	TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
40	Re-Run	8 1/2	Varel	FY713P-F		6021458		16		16		16		16		16		16		16		0		0		0		1,3744	
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
		0	0									0																	
FUEL DELIVERED				FUEL USED TODAY		2,533		MUD ADDITIVES IN LAST 24 HOURS											SOIL FARMING / MUD DISPOSAL				FRESH WATER						
FUEL ON HAND				10,979		TOTAL FUEL USED		141,457		Gel		Mica		ASO		PolyPac UI		DAILY SOLIDS		0		OWNER		DAILY BBLs		0			
PICKUP WT.				326		AVG. DRAG		15		Poly Plus		Quick Thin		PolyPac UI		Gelex		TOTAL SOLIDS		0		DAILY BBLs		0					
ROTATING WT.				286		MAX. DRAG		18		Caustic		Soda Ash		Gelex				DAILY DISPOSAL COSTS		0		CUM BBLs		0					
SLACKOFF WT.				248		TD, ON BTM		15,000		Bar		Lime		Tackle				DAILY LIQUIDS		0									
BHA HOURS				36		TQ OFF BTM		11,000		Pac-R		Alum Ster		Cost				TOTAL LIQUIDS		0									
CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																													
HOURS		TIME CODE																											
0.25		27: Other		Safety Meeting/Crew Handover.																									
3.00		3: Washing/Reaming		Wash & Ream from 14,330' to 14,346'.																									
0.50		22: Well Control		Change out Leaking Rotating Head.																									
6.25		3: Washing/Reaming		Wash & Ream from 14,346' to 14,425'.																									
0.25		7: Lubricate Rig		Rig Service/Rig Blacked Due to Radiator Cable Failure.																									
3.00		3: Washing/Reaming		Wash & Ream from 14,425' to 14,455' while keeping bottom hole 13 ppg ECD with MPD. Mud weight 11.2 ppg.																									
0.50		6: Tripping		Pull up to 14400 ft. Change out Leaking Rotating Head.																									
0.75		3: Washing/Reaming		Wash & Ream from 14,400' to 14,426' while keeping bottom hole 13 ppg ECD with MPD.																									
0.50		7: Lubricate Rig		Rig Service/Rig Blacked Due to Radiator Cable Failure.																									
1.25		3: Washing/Reaming		Wash & Ream from 14,426' to 14,482' while keeping bottom hole 13 ppg ECD with MPD.																									
0.50		28: Other		At 14482 ft observe hard motor stall and pump increase, release torque, bleed off pressure. Reciprocate pipe progressively up from 400k to 480k, while down to 230k until circulation could be established with 250 gpm, continue to work pipe and improve circulation until free, pull back to 14426 ft.																									
3.00		3: Washing/Reaming		Wash & Ream from 14,426' to 14,475' while keeping bottom hole 13 ppg ECD with MPD.																									
0.25		28: Other		At 14475 ft torque and pump differential increasing. P/U string and observe motor stall and and pump increase, release torque, bleed off pressure. Reciprocate pipe progressively up from 400k to 480k, while down to 230k until circulation could be established with 250 gpm, continue to work pipe and improve circulation until free, pull back to 14449 ft.																									
4.00		3: Washing/Reaming		Wash and Ream 1/ 14,475' to 14,485'. Watching torque and diff close and if any indications pipe may be hanging up or packing off work back up 10' and ensure hole is clean above before attempting to wash back down. Cleaning frac tanks and loading with 10.5 ppg OBM. Fill pre-mix with 50 bbls of diesel and prepare for displacing the wellbore with OBM.																									
No Accidents, Spills or Inspections to report																													
QTY		BHA ITEM		LENGTH	TIME DISTRIBUTION		DAILY	CUM	KOP MD/TVD		Pen Pt MD/TVD		Lndg Pt MD/TVD																
1	8.5" Utterra CF716		1.00	1 MRL/RDMO		0.00	81.00																						
1	7.25" Leam 6/7 4.6 FBH @1.83 Stick		33.00	2 Drilling		0.00	421.00	Depth		Dev.		Az.		TVD		VS		DLS											
1	Float Sub		4.00	3 Washing/Reaming		21.25	166.25	12,170		1.53		98		12,165		-111.08		0.22											
1	Float Sub		2.00	4 Lost Circulation		0.00	11.75	12,264		1.42		101		12,259		-112.99		0.14											
1	6.5" UBHO		4.00	5 Cond. Mud & Circ		0.00	134.50	12,359		1.35		95		12,354		-114.77		0.16											
1	6.75" NIMDC		30.00	6 Tripping		0.50	619.00	12,453		1.39		91		12,448		-116.39		0.12											
1	6.75" NIMDC		31.00	7 Lubricate Rig		0.75	19.00	12,548		1.44		89		12,543		-117.99		0.06											
18	6.5" DC's		546.00	8 Rig Repair		0.00	53.00	12,642		1.63		83		12,637		-119.57		0.28											
21	5" HWOP		636.00	9 Cut Drig Line		0.00	13.25	12,737		1.87		82		12,732		-121.26		0.25											
				10 Deviation Survey		0.00	0.50	12,831		2.11		85		12,826		-123.20		0.27											
				11 Wireline Logging		0.00	74.00	12,926		2.15		86		12,921		-125.40		0.07											
				12 Run Casing		0.00	94.50	13,020		2.28		84		13,015		-127.63		0.17											
				13 Cement Casing		0.00	48.25	13,115		2.60		82		13,110		-130.00		0.34											
				14 Wait On Cement		0.00	20.00	13,238		3.28		81		13,233		-133.59		0.55											
				15 NU BOP's		0.00	106.75	13,315		3.54		84		13,309		-136.27		0.40											
				16 Test BOP's		0.00	36.25	13,410		4.17		84		13,404		-140.14		0.66											
				17 Plug Back		0.00	0.00	13,504		2.55		94		13,498		-143.74		1.81											
				18 Squeeze Gmt		0.00	0.00	13,599		2.58		94		13,593		-146.85		0.04											
				19 Fishing		0.00	54.50	13,694		2.60		91		13,688		-149.92		0.14											
				20 Directional Work		0.00	42.75	13,783		3.12		81		13,777		-152.68		0.82											
				21 Weather		0.00	0.00	13,878		3.41		84		13,872		-155.85		0.37											
				22 Well Control		0.50	194.75	13,972		3.17		88		13,965		-159.27		0.34											
				23 Waiting-Orders/Equip		0.00	19.00	Planned Vns				feet @		azimuth															
				24 Drill Cmt / Shoe Test		0.00	7.75	DAY DRILLING FOREMAN				CELL PHONE NUMBER																	
				25 Jet & Clean Pits		0.00	0.00	Heston Cheatwood																					
Joints	DP ITEM	OD	#/FT	GRADE	LENGTH	26 Regulatory		0.00	54.50	NIGHT DRILLING FOREMAN		CELL PHONE NUMBER																	
219	DP	5	19.5	S-135	6903.28	27 Other		0.25	113.25	Marcus Jenkins																			
						28 Other		0.75	15.50	AMEREDDEV PERSONELL																			
						29 Other		0.00	0.00	DRILLING SUPERINTENDENT				JT Wilkerson															
						30 Other		0.00	0.00	DRILLING ENGINEER				John Zabaldano															
						31 Other		0.00	0.00	DAY CONTROL ROOM SUP				Chris Huff															
					Total Depth	14531.00		TOTALS		24.00		2401.00		NIGHT CONTROL ROOM SUP				Andy Slusarchuk											
Cost Input																													
Cost Type	Charge	Code		Description				Vendor	Unit Cost	Quantity	Cost	Carry Over																	
8500	0.094	SUPERVISION / CONTRACT		Hesston Cheatwood/Marcus Jenkins				Rusco Operating LLC		1.0		Yes																	
8500	0.094	SUPERVISION / CONTRACT		Andy Slusarchuk /Chris Huff				Rusco Operating LLC		1.0		Yes																	
8500	0.024	SURFACE RENTALS		Trash trailer 2 Porta pots. Water and Septic for office trailer. 3 Light Plants				Hoppe's Construction LLC		1.0		Yes																	
8500	0.024	SURFACE RENTALS		Internet & Intercoms				versat Communications US		1.0		Yes																	
8500	0.024	SURFACE RENTALS		Forklift \$150/day				Boland Field Services LLC		1.0		Yes																	
8500	0.024	SURFACE RENTALS		14 x Flat bottom Frac tanks				Blueprint Oilfield Services		1.0		Yes																	
8500	0.024	SURFACE RENTALS		4 Sets of pipe Bolsters				Divine Energy Services Inc		1.0		Yes																	
8500	0.024	SURFACE RENTALS		4 Sets of pipe racks				Divine Energy Services Inc		1.0		Yes																	
8500	0.024	SURFACE RENTALS		PVT/Chokes \$477 plus \$70 on days with gas detection				Pason		1.0		Yes																	
8500	0.01	DRILLING RIG		Citadel Rig #3				Citadel Drilling		1.0		Yes																	
8500	0.024	SURFACE RENTALS		1- 4in, 3- 6in pumps, 1-shaker washer, 1-diesel tank				Johnso Specialty Tools LLC		1.0		Yes																	
8500	0.024	SURFACE RENTALS		Diverter Line, Drive over & Igniter				Iron Horse Tools LLC		1.0		Yes																	
8500	0.124	TY AND EMERGENCY RESPON		H2s Compliance Package				merican Safety Services, In		1.0		Yes																	
8500	0.066	IDS CONTROL EQUIP / SERV		Solid Control Equipment and Hands				KSOW Oilfield Rental LLC		1.0		Yes																	
8500	0.198	MUD LOGGING		Mud Logging Service				ckstone Analytics Mud Logg		1.0		Yes																	
8500	0.024	SURFACE RENTALS		Minion Tank				Think Tank		1.0		Yes																	
8500	0.048	LL CONTROL EQUIP / SERV		Rotating Head & MPD				Opla		1.0		Yes																	
8500	0.06	D, ADDITIVES, AND CHEMIC		Mud additives & drively mud check				NOVA Mud		1.0		Yes																	
8500	0.032	DIRECTIONAL DRILLING		Learn Motor Rental				Learn		1.0		Yes																	
8500	0.032	DIRECTIONAL DRILLING		MWD Services				AIM		1.0		Yes																	
8500	0.024	SURFACE RENTALS		500 BBL pre-mix tank (\$450/Day)				McAda Drilling Fluids Inc		1.0		Yes																	
8500											\$																		
8500										</																			



Ameredev LLC																	Report # 102																										
Morning Drilling Report																																											
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																													
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Sun, April 4, 2021																													
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS																					
		12/27/2020		98										14,531		14,531		0		0		0																					
Current Operation				Wash and ream to bottom @ 14,450				Next 24 Hours				Wash an ream to bottom @ 14531'. Drill 8 1/2" Production hole section.																															
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Int Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size															
Surface		24		1,383		1,383																						26															
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635.000		11		3		Halcem		410		14.80000		1.33000		0		635 / 410		22															
Intermediate		13.625" Q-125 88.2# BTC		0		7,150		12.375		12.219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118.9/5350.35				17 1/2															
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8.525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000						12 1/4															
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI																							
				2,799		3,279		4,139		30		30		30		30		30		30																							
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP																							
5.0		6.500		312.0085973		491		140		1.14						13,235		13.2		1,850																							
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE																					
3.52		5.5		12		85		3.52		5.5		12		86		18		601		4,015																							
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT													
10.5		10.5		67.0		67.0		14.0		8.0		18.0		5.0		312737.0		0.0		2.0		12.9		4.1		0.0		0.0		0.0													
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		O W		LIME		ES		LCM																							
								199832.00		120.00		67.00		18.50		4.27		502.00		0.00																							
PREV BIT #		Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
39				8 1/2		Ulterra		CF716		52498		18		18		18		18		18		18		18		18		0		1,7395													
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
3/30/2021 12:45		3/31/2021 10:00		13826		14531		38.57		50.00		23.25		32.0		22		1		2		CT		N		X		J		PJ		RIG											
CUR. BIT #		Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
40				8 1/2		Varel		FY713P-F		6021A58		16		16		16		16		16		16		16		0		0		1,3744													
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
				0		0								0		0		0		0		0		0		0		0															
FUEL DELIVERED				FUEL USED TODAY				1,810				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER																							
FUEL ON HAND				3,169				TOTAL FUEL USED				143,267				Gel				Mica				ABO				DAILY SOLIDS				0				OWNER							
PICKUP WT.				313				AVG. DRAG				15				Poly Plus				Quick Thin				PolyPac UI				TOTAL SOLIDS				0				DAILY BBLS				0			
ROTATING WT.				300				MAX. DRAG				18				Caustic				Soda Ash				Gelex				DAILY DISPOSAL COSTS				CUM BBLS				0							
SLACKOFF WT.				290				TQ. ON BTM				11,000				Bar				Lime				Tackle				DAILY LIQUIDS				0											
BHA HOURS				56				TQ OFF BTM				9,000				Pac-R				Alum Ster				Cost				TOTAL LIQUIDS				0											
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																																			
0.25				27: Other				Safety Meeting/Crew Handover.																																			
3.25				3: Washing/Reaming				Wash and Ream from 14,490' to 14,504' 650 gpm, 60 rpm.																																			
0.50				5: Cond. Mud & Circ				Fill Tank 1 with OBM.																																			
1.00				22: Well Control				Change out Leaking Rotating Head.																																			
0.50				5: Cond. Mud & Circ				Circulate While working Pipe Free.																																			
0.25				7: Lubricate Rig				Rig Service, Re-Torque Quill and Safety Clamps.																																			
0.25				5: Cond. Mud & Circ				Circulate While working Pipe Free, P/U Stand out of Mousehole.																																			
1.00				5: Cond. Mud & Circ				Start Displacing Hole With OBM.																																			
1.00				6 Tripping				TOOH From 14,513' to 13,900'.																																			
0.25				5: Cond. Mud & Circ				Finish Displacing the Hole with OBM. OBM to Surface.																																			
5.25				5: Cond. Mud & Circ				Clean Pits including scappling tank and troughs in preparation to circulate down hole.																																			
4.50				5: Cond. Mud & Circ				At 13984 ft circulate with 400 gpm, 2089 psi, reciprocate pipe with 30 rpm and 10.5 ppg OBM. Meanwhile continue cleaning surface pits tanks #2, #3 and #4.																																			
0.75				5: Cond. Mud & Circ				Transfer 10.5 ppg OBM from reserve to active pits. Conduct pre-job meeting prior to reaming operations. Discuss OBM hazards including Process Safety and bubble point of OBM.																																			
5.25				3: Washing/Reaming				Wash & ream from 13984 ft to bottom at 14455 ft with 600 gpm, 4300 psi, 30 rpm, 10k ft/lbs torque and 10.5 ppg OBM, going through fully open MPD chokes, at 250 ft/hr. Total of 2489 BBLs OBM received. Encountered tight spots from 14440 to 14450. Working tight hole @ 14450'																																			
24.00								No Accidents, Spills or Inspections to report																																			
QTY.		BHA ITEM		LENGTH		TIME DISTRIBUTION		DAILY		CUM		KOP MD/TVD		Pen Pt MD/TVD		Lndg Pt MD/TVD																											
1		8.5" Ulterra CF716		1.00		1 MIRU/ROMO		0.00		81.00																																	
1		7.25" Leam 6/7 4.6 FBH @1.83 Slick		33.00		2 Drilling		0.00		421.00		Depth		Dev.		Azi.		TVD		VS		DLS																					
1		Float Sub		4.00		3 Washing/Reaming		8.50		174.75		12,170		1.53		98		12,165		-111.08		0.22																					
1		Float Sub		2.00		4 Lost Circulation		0.00		11.75		12,264		1.42		101		12,259		-112.99		0.14																					
1		6.5" UBHO		4.00		5 Cond. Mud & Circ		13.00		147.50		12,359		1.35		95		12,354		-114.77		0.16																					
1		6.75" NMDC		30.00		6 Tripping		1.00		620.00		12,453		1.39		91		12,448		-116.39		0.12																					
1		6.75" NMDC		31.00		7 Lubricate Rig		0.25		19.25		12,548		1.44		89		12,543		-117.99		0.06																					
18		6.5" DC's		546.00		8 Rig Repair		0.00		53.00		12,642		1.63		83		12,637		-119.57		0.28																					
21		5" HWDP		636.00		9 Cut Drlg Line		0.00		13.25		12,737		1.87		82		12,732		-121.26		0.25																					
						10 Deviation Survey		0.00		0.50		12,831		2.11		85		12,826		-123.20		0.27																					
						11 Wireline Logging		0.00		74.00		12,926		2.15		86		12,921		-125.40		0.07																					
						12 Run Casing		0.00		94.50		13,020		2.28		84		13,015		-127.63		0.17																					
						13 Cement Casing		0.00		48.25		13,115		2.60		82		13,110		-130.00		0.34																					
						14 Wait On Cement		0.00		20.00		13,238		3.28		81		13,233		-133.59		0.55																					
						15 NU BOP's		0.00		106.75		13,315		3.54		84		13,309		-136.27		0.40																					
						16 Test BOP's		0.00		36.25		13,410		4.17		84		13,404		-140.14		0.66																					
						17 Plug Back		0.00		0.00		13,504		2.55		94		13,498		-143.74		1.81																					
						18 Squeeze Cmt		0.00		0.00		13,599		2.58		94		13,593		-146.85		0.04																					
						19 Fishing		0.00		54.50		13,694		2.60		91		13,688		-149.92		0.14																					
						20 Directional Work		0.00		42.75		13,783		3.12		81		13,777		-152.68		0.82																					
						21 Weather		0.00		0.00		13,878		3.41		84		13,872		-155.85		0.37																					
						22 Well Control		1.00		195.75		13,972		3.17		88		13,965		-159.27		0.34																					
						23 Waiting-Orders/Equip		0.00		19.00		Planned VS		feet @		azimuth																											
						24 Drill Cmt / Shoe Test		0.00		7.75		DAY DRILLING FOREMAN				CELL PHONE NUMBER																											
						25 Jet & Clean Pits		0.00		0.00		Hesston Cheatwood				CELL PHONE NUMBER																											
Joints		DP ITEM		OD		#/FT		GRADE		LENGTH		26 Regulatory		0.00		54.50		NIGHT DRILLING FOREMAN				CELL PHONE NUMBER																					
219		DP		5'		19.5		S-135		6903.28		27 Other		0.25		113.50		Marcus Jenkins																									
												28 Other		0.00		15.50																											
												29 Other		0.00		0.00		AMEREDDEV PERSONELL																									
												30 Other		0.00		0.00		DRILLING SUPERINTENDENT				JT Wilkerson																					
												31 Other		0.00		0.00		DRILLING ENGINEER				John Zabaldano																					
																		DAY CONTROL ROOM SUP				Chris Huff																					
																		NIGHT CONTROL ROOM SUP				Andy Slusarchuk																					



Ameredev LLC																				Report # 103							
Morning Drilling Report																											
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE													
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Mon, April 5, 2021													
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS					
		12/27/2020		99										15,036		15,036		505		38		13					
Current Operation				Drilling 8 1/2" Production hole @ 15,036'								Next 24 Hours								Drill 8 1/2" Production hole section.							
Type	Casing Specs			Top TMD	8tm TMD	ID	Drift	Burst	Collapse	Yield	Int Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size											
Surface	24			1,383	1,383											26											
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635.000	11	3	Halcem	410	14.80000	1.33000	0	635 / 410	22											
Intermediate	13.625" Q-125 88.2# BTC			0	7,150	12.375	12.219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/350.35	/	17 1/2											
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4											
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI															
Barnet				2,799	3,279	4,139	30		30		30																
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP												
5.0	6.500	315.6578207	497	142	1.29						13,235		13.2		1,170												
GPS #1	LINER X STROKE		SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE												
3.52	5.5		12	87	3.52		5.5	12	5.5		12	609			4,700												
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT											
11.5	58.0	58.0	58.0	15.0	7.0		12.0	6.0	316263.0	0.0	2.0	14.0	3.4	0.0	0.0	0.0											
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O W	LIME	ES	LCM																
				202085.00	120.00	64.00	22.00	2.85	3.37	463.00	0.00																
PREV BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA											
39		8 1/2	Uterra	CF716	52498	18	18	18	18	18	18	18	18	18	18	1,7395											
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON											
3/30/2021 12:45	3/31/2021 16:00	13826	14531	38.57	50.00	23.25	32.0	22	1	2		N	X	I	3 PJ	RIG											
CUR. BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA											
40		8 1/2	Varel	FY713P-F	6021458	16	16	16	16	16	16	16	16	16	0	1,3744											
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON											
4/4/2021 16:15	4/5/2021 6:00	14531	15036	23.89	40.00	13.75	38.1	13.25																			
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER											
0				2,534																							
FUEL ON HAND				TOTAL FUEL USED				ABO <td colspan="4">DAILY SOLIDS</td>				DAILY SOLIDS				OWNER											
6,635				145,801				Gel				0				0											
PICKUP WT.				AVG. DRAG				Poly Plus <td colspan="4">TOTAL SOLIDS</td>				TOTAL SOLIDS				DAILY BBLs											
326				15				Quick Thin				0				0											
ROTATING WT.				MAX. DRAG				Soda Ash <td colspan="4">DAILY DISPOSAL COSTS</td>				DAILY DISPOSAL COSTS				CUM BBLs											
305				18				Cautic				0				0											
SLACKOFF WT.				TQ. ON BTM				Lime <td colspan="4">DAILY LIQUIDS</td>				DAILY LIQUIDS															
282				17,000				Tackle				0															
BHA HOURS				TQ OFF BTM				Alum Ster <td colspan="4">TOTAL LIQUIDS</td>				TOTAL LIQUIDS															
56				9,000				Pac-R				Cost															
CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																											
HOURS	TIME CODE																										
0.25	27: Other			Safety Meeting/Crew Handover. Mud diesel on hand 6105, used 823 gals.																							
10.00	3: Washing/Reaming			Wash and Beam from 14,490' to 14,531' 600 gpm, 60-90 rpm, Weight up Mud to 11.5 ppg																							
4.00	2: Drilling			Rotate w/ Bit #40 From 14531' to 14765' (59"/hr) w/ 30 WOB, 70 Surf RPM, 108 Motor RPM. Returns through MPD choke keeping 12.5 ppg ECD bottom hole pressure with 11.1 ppg. in the process of increasing mud weight to 11.5 ppg.																							
1.00	2: Drilling			Slide w/ Bit #40 From 14765' to 14785' (20"/hr) w/ 30 WOB, 0 Surf RPM, 108 Motor RPM. Returns through MPD choke keeping 12.5 ppg ECD bottom hole pressure with 11.1 ppg. in the process of increasing mud weight to 11.5 ppg. Diff 200 psi TF 270 deg.																							
1.25	2: Drilling			Rotate w/ Bit #40 From 14785' to 14855' (56"/hr) w/ 25 WOB, 70 Surf RPM, 108 Motor RPM. Returns through MPD maintain 12.5 ppg ECD bottom hole pressure with 11.5 ppg in & out																							
1.00	2: Drilling			Slide w/ Bit #40 From 14855' to 14865' (10"/hr) w/ 20 WOB, Surf RPM, 108 Motor RPM. Diff 200 psi, TF 270 deg, returns through MPD, maintain 12.5 ppg ECD with 11.5 ppg in & out.																							
1.50	2: Drilling			Rotate w/ Bit #40 From 14865' to 14940' (50"/hr) w/ 25 WOB, 70 Surf RPM, 108 Motor RPM. Diff 450 psi, through MPD with 12.5 ppg ECD, 11.5 ppg.																							
1.50	2: Drilling			Slide w/ Bit #40 From 14940' to 14973' (22"/hr) w/ 20 WOB, Surf RPM, 108 Motor RPM. Diff 250 psi TF 270 MTF, returns through MPD with 12.5 ppg ECD, 11.5 ppg in & out.																							
0.50	2: Drilling			Rotate w/ Bit #40 From 14973' to 14983' (20"/hr) w/ 25 WOB, 70 Surf RPM, 108 Motor RPM.																							
2.00	2: Drilling			Slide w/ Bit #40 From 14983' to 15028' (23"/hr) w/ 20 WOB, 0 Surf RPM, 108 Motor RPM.																							
0.50	7: Lubricate Rig			Service and lubricate rig and topdrive.																							
0.50	2: Drilling			Slide w/ Bit #40 From 15028' to 15036' (16"/hr) w/ 20 WOB, 0 Surf RPM, 108 Motor RPM.																							



## Report # 104

## DATE \_\_\_\_\_

[illegible]







## Report # 106

## Report # 106

Report # 106

## Report # 106

Report # 106



Ameredev LLC																				Report # 107																							
Morning Drilling Report																																											
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																													
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Fri, April 9, 2021																													
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		F1/HR		ROT HRS																							
		12/27/2020		103								15,463		15,463		57		6		10																							
Current Operation:				TIH @ 6.614'				Next 24 Hours:				TIH, Drill 8 1/2" Production hole section.																															
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size															
Surface		24		1,383		1,383																						26															
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		Haicem		410		14.80000		1.33000		0		635 / 410		22															
Intermediate		13.625" O-125 88.2# BTC		0		7,150		12.375		12,219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118.9/5350.35		/		17 1/2															
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8,525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000		/		12 1/4																	
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI																							
Bamet				2,799		3,279		4,139		30		30		30		30		30		30																							
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP																							
5.0		6.500		299.2363156		471		205		2.61						13,235		13.2		998																							
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE																					
3.52		5.5		12		82		3.52		5.5		12		82		577		5.300																									
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WFS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT											
11.8		56.0		56.0		56.0		20.0		11.0		21.0		21.0		6.0		359968.0		0.0		1.0		15.4		2.4		0.0		0.0		0.0											
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM																					
								67000.00		0.00		59.50		22.00		73-27		2.85		530.00		0.00																					
PREV BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
42				8 1/2		Halliburton		SR30R		13527167		20		20		20		0		0		0		0		0		0		0		0.9204											
START FT.		END FT.		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
4/8/2021 2:15		4/8/2021 15:45		15379		15463		40.00		26.67		13.5		6.5		13		3		8		BT		G		2		1		NO		See Off Production Log											
CUR. BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
43				8 1/2		Baker		D507TX		14		14		14		14		14		14		14		14		0		0		0		0.9020											
START FT.		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
				0		0										0																											
FUEL DELIVERED				0				FUEL USED TODAY				2,292				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER																			
FUEL ON HAND				7,842				TOTAL FUEL USED				151,594				Gel				ABO				DAILY SOLIDS				0				OWNER											
PICKUP WT.				4,326				AVG. DRAG				15				Poly Plus				Quick Thin				PolyPac Ul				TOTAL SOLIDS				0				DAILY BBLs				0			
ROTATING WT.				305				MAX. DRAG				18				Caustic				Soda Ash				Gelex				DAILY DISPOSAL COSTS				CUM BBLs				0							
SLACKOFF WT.				282				TQ. ON BTM				17,000				Bar				Lime				Tackle				DAILY LIQUIDS				0											
BHA HOURS				0				TQ. OFF BTM				9,000				Pac-R				Alum Ster				Cost				TOTAL LIQUIDS				0											
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																																							
9.75		2: Drilling		Rotate w/ Bit #42 From 15406' to 15463' (6"/hr) w/ 40 WOB, 40 Surf RPM, 121.5 Motor RPM. Returns though MPD maintaining 13 ppg ECO with 11.7 ppg OBM. Decision to trip for bit based on ROP.																																							
0.50		6: Tripping		Trip out on elevators while maintaing 13.5 ppg through MPD from 15463 ft to 15335 ft, observe drill string floats starting to leak. Observe tight hole to 430k.																																							
3.25		3: Washing/Reaming		Backream out from 15335 ft to 9 5/8" shoe at 13233 ft with 505 gpm, 3879 psi, 40 rpm with 15k ft/lbs torque with 11.7 ppg OBM without issue through MPD maintaining 13 ppg ECO.																																							
0.50		22: Well Control		Flow check while removing RCD element and installing trip nipple, observe well static. Pump slug.																																							
4.50		6: Tripping		Continue TOH with 8 1/2" bit & motor assembly from 13233 ft to BHA.																																							
0.25		22: Well Control		Flow check at BHA, observe well static. conduct ISA prior to pull BHA.																																							
1.75		6: Tripping		Continue TOH with 8 1/2" bit and motor assembly BHA, break out bit and clean rig floor. M/U new bit and install new MWD tools																																							
3.50		6 Tripping		TIH with 8 1/2" BHA @ 8614'. Filling pipe every 30 stands and monitoring displacement on trip tank. Hole giving proper displacement.																																							



Ameredev LLC																				Report # 108													
Morning Drilling Report																																	
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																			
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Sat, April 10, 2021																			
DR/LG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS													
		12/27/2020		104								15,750		15,750		287		35		8													
Current Operation				POOH @ 14,000'				Near 24 Hours				POOH, C/O BHA, TTH, Drill @ 1 1/2" Hole Section.																					
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SKS Cmt		Hole Size					
Surface		24		1,383		1,383																						26					
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		HalCem		410		14,00000		1,33000		0		635 / 410		22					
Intermediate		13.625" Q-125 88.2# BTC		0		7,150		12.375		12.219		10,030		4,800		3,191				0.349 bbls/ft		1,051.00000		3118.9/5350.35		/		17 1/2					
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8.525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000		/		12 1/4							
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI													
Barnet				2,799		3,279		4,139																									
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA		COST/FT. 24 HRS		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		13.235		13.2		MAX ALLOWABLE SICP		964							
5.0		6.500		299,2363156		471		205		2.62																							
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE		3,900									
3.52		5.5		12		82		3.52		5.5		12		82		577																	
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT	
11.8		11.8		57.0		57.0		20.0		12.0		12.0		21.0		6.0		352924.0		0.0		1.0		19.5		1.5		0.0		0.0		0.0	
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O W		LIME		ES		LCM											
								68000.00		0.00		61.00		19.50		76-24		3-88		524.00		0.00											
PREV BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
42				8 1/2		Halliburton		SR30R		13527167		20		20		20		0		0		0		0		0		0		0		0.9204	
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
4/8/2021 2:15		4/8/2021 15:45		15379		15463		40.00		26.67		13.5		6.5		13		3		8		BT		G		2		1		NO		New or Transmitted Data	
CUR. BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
43		0		8 1/2		Baker		D507TX		14		14		14		14		14		14		14		0		0		0		0		0.9020	
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
4/9/2021 20:00		4/10/2021 4:15		15463		15750		26.00		30.00		8.25		34.8		8.25																	
FUEL DELIVERED				0		FUEL USED TODAY		1,448																									
FUEL ON HAND				6,394		TOTAL FUEL USED		153,042		Gel				Mica		ABO																	
PICKUP WT.				340		AVG. DRAG		15		Poly Plus				Quick Thin		PolyPac Uil																	
ROTATING WT.				306		MAX. DRAG		18		Caustic				Soda Ash		Galex																	
SLACKOFF WT.				285		TQ ON BTM		17,000		Bar				Lime		Tackle																	
BHA HOURS				12		TQ OFF BTM		10,000		Pac-R				Alum Ster		Cost																	
HOURS				TIME CODE		CHRONOLOGICAL ACTIVITY (0600 HRS TO 0600 HRS )														SOIL FARMING / MUD DISPOSAL				FRESH WATER									
3.00				6: Tripping		TTH F/ 6614' T/ 13000' on elevators with no problems. Filling pipe every 30 stands and monitoring displacement on trip tank. Hole giving proper displacement.																											
0.50				6: Tripping		Install RCD Element.																											
1.75				9: Cut Drig Line		Slip and Cut Drill Line.																											
1.00				6: Tripping		TTH F/ 13000' T/ 14202' on elevators. Started taking weight @ 14202'.																											
6.00				6: Tripping		Fill pipe and pressure up backside with MPD to 13 ppg equivalent and attempt to trip with no pumps. Unsuccessful. Wash down with 500 GPM not holding any back pressure with MPD with no issues. Wash down F/ 14,202' T/ 14,480'. Started taking weight @ 14,480'. Wash and ream down F/ 14,480' T/ 15430' with 300 GPM and 10 RPM not holding back pressure on MPD to simulate running casing.																											
1.75				3: Washing/Reaming		Wash & ream from 15430 ft to bottom at 15463 ft with 500 gpm, 3900 psi, 30 rpm, 10k ft/lbs torque with 11.8 ppg OBM, observe 10 ft flare for 20 min.																											
8.25				2: Drilling		Rotate w/ Bit #43 From 15463' to 15750' [35"/hr] w/ 26 WOB, 30 Surf RPM, 92-34 Motor RPM. Returns through MPD, maintain 12.5 ppg ECD with 11.8 ppg OBM. Attempted to increase WOB to 30k. Differential Attempted to increase WOB to 30k. Differential pressure spiked to 75psi and torque spiked to 21k. Diff immediately fell to 0 and torque decreased by 5k on bottom. P/U stand and work back to bottom. Unable to drill. Not getting any differential and little torque. Suspected Motor Failure.																											
0.25				3: Washing/Reaming		Attempt to POOH on elevators with no success. Bring pumps on line to 500 GPM and attempt to pump out of hole. String started taking weight. Dropped back to neutral weight and turned rotary on at 15 RPM and able to back ream out of hole no problem. Backream out of hole to 14,306'.																											
1.25				3: Washing/Reaming		POOH on elevators with no problems from 14,306' to 14,000'.																											
0.25				6: Tripping																													



Ameredev LLC																				Report # 109													
Morning Drilling Report																																	
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																			
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Sun, April 11, 2021																			
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS											
		12/27/2020		105										15,750		15,750		0		0		0											
Current Operation				Wash and ream in hole @ 14,536'						Next 24 Hours		Wash and ream in hole. Mill up previous bit on bottom. POOH.																					
Type		Casing Specs		Top TMD		Blm TMD		ID		Drift		Burst		Collapse		Yield		Int Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size					
Surface		24		1,383		1,383																						26					
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635.000		11		3		Halcem		410		14.80000		1.33000		0		635 / 410		22					
Intermediate		13.625" Q-125 88.2# BTC		0		7,150		12.375		12.219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118.9/5250.35		/		17 1/2					
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8.525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000				/		12 1/4					
FORMATION				Barnet		BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI											
				2,799		3,279		4,139		30						30				13,235													
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (DA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP													
5.0		6.500		328.334/672		548		#VALUE!		#VALUE!						13.235		13.2		964													
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE											
3.52		5.5		12		82		3.52		5.5		12		82		3.52		577				3,900											
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT	
11.8		11.8		57.0		57.0		20.0		20.0		12.0		21.0		6.0		352924.0		0.0		1.0		19.5		1.5		0.0		0.0		0.0	
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		D W		LIME		ES		LCM											
								68000.00		0.00		61.00		19.50		76-24		3.88		524.00		0.00											
PREV BIT #		Re-Run		SIZE		MPGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
43				8 1/2		Baker		D507TX		14		14		14		14		14		14		14		0		0		0		0		0.9020	
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
4/9/2021 20:00		4/10/2021 4:13		15463		15750		26.00		30.00		8.25		34.8		8.25		LIH		LIH		LIH		LIH		LIH		LIH		TW		Lost In Hole	
CUR. BIT #		Re-Run		SIZE		MPGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
44				8 1/4		Weatherford		Concave Mill		20		20		20		20		20		20		0		0		0		0		0		#VALUE!	
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVS WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
				0		0										0																	
FUEL DELIVERED				0		FUEL USED TODAY				1,086		MUD ADDITIVES IN LAST 24 HOURS								SOIL FARMING / MUD DISPOSAL				FRESH WATER									
FUEL ON HAND				5,308		TOTAL FUEL USED				154,128		Gel				Mica		ABO		DAILY SOLIDS				0		OWNER							
PICKUP WT.				340		AVG. DRAG				15		Poly Plus				Quick Thin		PolyPac UI		TOTAL SOLIDS				0		DAILY BBLs		0					
ROTATING WT.				306		MAX. DRAG				18		Caustic				Soda Ash		Gelex		DAILY DISPOSAL COSTS						CUM BBLs		0					
SLACKOFF WT.				285		TQ. ON BTM				17,000		Bar				Lime		Tackle		DAILY LIQUIDS				0									
BHA HOURS				12		TQ. OFF BTM				10,000		Pac-R				Alum Ster		Cost		TOTAL LIQUIDS				0		0							
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																													
1.75		6: Tripping		POOH on elevators with no issues to 13090'																													
0.50		5: Cond. Mud & Circ		Pull Rotating Head. Flow check wellbore (Static). Pump Slug.																													
5.75		6: Tripping		POOH F/ 13090' T/ BHA with no issues. Monitor displacement on trip tank. Hole taking proper fill.																													
1.25		6: Tripping		TOH with 8 1/2" bit & motor assembly to surface. (no bit, fish in hole).																													
0.50		7: Lubricate Rig		Rig Service.																													
4.25		9: Cut Drlg Line		Replace drilling line, install new spool. Observe well static.																													
6.75		6: Tripping		M/U 8 1/8" concave mill dressed with cut-right, (crushed tungsten carbide 8.25" ROD) with bit-sub & float, 6 1/2" DCs, HWDP on drill pipe to 9 5/8" shoe @ 13233 ft.																													
0.25		22 Well Control		Install RCD element, observe well static.																													
3.00		3 Washing/Reaming		TIH F/ 13233' T/ 14190'. String started stacking weight @ 14190'. Attempt to wash down with 600 GPM. Unsuccessful. Ream down with 20-40 RPM. Able to work through spot. Wash and ream down T/ 14535' with no problems. Got bottoms up gas with flare 10-15'. Held backpressure with MFD to control condensate coming out of flare stack. Currently washing and reaming @ 14536'																													



Ameredev LLC																				Report # 110													
Morning Drilling Report																																	
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																			
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Mon, April 12, 2021																			
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS											
		12/27/2020		106										15,750		15,750		0		0		0											
Current Operation				T/H @ 1200'				Next 24 Hours				T/H, Drill @ 1 1/2" Hole section.																					
Type		Casing Specs		Top TMD		8tm TMD		ID		Drift		Burst		Collapse		Yield		Int Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size					
Surface		24		1,383		1,383																						26					
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635.000		11		3		Halcem		410		14.80000		1.33000		0		635 / 410		22					
Intermediate		13.625" Q-125 88.2# BTC		0		7,150		12.375		12.219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118.9/5350.35				17 1/2					
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8.525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000						12 1/4					
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI													
Barnet				2,799		3,279		4,139		30				30				30															
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP													
5.0		6.500		328-3347672		548		301		6.08						13,235		13.2		960													
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE											
3.52		5.5		12		82		3.52		5.5		12				577				3,900													
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT	
12.0		12.0		55.0		55.0		18.0		10.0		11.0		24.0		5.0		356001.0		0.0		1.0		20.8		5.9		0.0		0.0		0.0	
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		D W		LIME		ES		LCM											
								58000.00		0.00		59.20		20.00		75.25		4.53		539.00		0.00											
PREV BIT #		Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
43				8 1/2		Baker		D507TX		14		14		14		14		14		14		14		0		0		0		0		0.9020	
START FT		END FT		DEPTH IN		DEPTH OUT		AVE WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
4/9/2021 20:00		4/10/2021 4:13		15463		15750		26.00		30.00		8.25		34.8		8.25		LIH		LIH		LIH		LIH		LIH		LIH		TW		Lost In Hole	
CUR. BIT #		Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
44				8 1/4		Weatherford		Concave Mill		20		20		20		0		0		0		0		0		0		0		0		0.6136	
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVE WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
				0		0										0																	
FUEL DELIVERED				7,180		FUEL USED TODAY				2,233		MUD ADDITIVES IN LAST 24 HOURS										SOIL FARMING / MUD DISPOSAL				FRESH WATER							
FUEL ON HAND				10,255		TOTAL FUEL USED				156,361		Gel		Mica		ABO		DAILY SOLIDS										0		OWNER			
PICKUP WT.				340		AVG. DRAG				15		Poly Plus		Quick Thin		PolyPac UI		TOTAL SOLIDS										0		DAILY BBLs		0	
ROTATING WT.				306		MAX. DRAG				18		Caustic		Soda Ash		Gelex		DAILY DISPOSAL COSTS												CUM BBLs		0	
SLACKOFF WT.				285		TQ. ON BTM				17,000		Bar		Lime		Tackle		DAILY LIQUIDS										0					
BHA HOURS				12		TQ OFF BTM				10,000		Pac-R		Alum Ster		Cost		TOTAL LIQUIDS										0					
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																													
5.25		3: Washing/Reaming		Wash and Ream down from 14,536' to 14,609'. Had to work stand numerous times changing parameters trying to get through this spot. Finally broke through with 600 GPM and 100 RPM. Weight stacking up to 45K and torque jumping between 6-20K. Unloaded a lot of fine cuttings at shakers while working stand.																													
2.50		3: Washing/Reaming		Wash and ream down from 14,609' to 15468' with 600 GPM and 100 RPM with no issues.																													
0.50		7: Lubricate Rig		Rig Service																													
1.25		3: Washing/Reaming		Wash and ream down from 15468 ft to 15746 with 700 GPM and 100 RPM with no issues.																													
1.50		27: Other		Mill from 15746 ft to 15750 ft with 2 to 5k worn, 500 gpm, 2800 psi, 40 rpm and torque from 7 to 15k ft/lbs. Positive indications working on bit. Reciprocate pipe often off bottom, then back on bit, increase rpm to 100, then worn to 30k. Observe swarf at shakers.																													
0.75		6: Tripping		Pump out of hole with a 1 1/4" concave mill with 600 gpm, 10 rpm from 15750 ft to 15309 ft. Normal drag observed.																													
0.50		28: Other		While circulating and rotating at 15309 ft conduct Safety Stand-down with Rig Personnel, Rig Manager, Ameredev rep on site & Control Room.																													
2.75		3: Washing/Reaming		Continue back reaming out of hole from 15309 ft to 13235 ft inside 9 5/8" casing with 600 gpm, 10 rpm increasing to 20 rpm and 3700 psi.																													
0.50		22: Well control		Flow check, observe well static. Pump 40 BBLs 15 ppg slug.																													
2.00		3: Washing/Reaming		Strip out of hole from 13235 ft to 8358 ft while maintaining 150 psi through MPD on formation to prevent swabbing.																													
0.25		7: Lubricate Rig		Rig Service, repair hydraulic leak on Top Drive.																													
2.50		6: Tripping		Strip out of hole from 8358 ft to BHA ft while maintaining 150 psi through MPD on formation to prevent swabbing.																													
0.25		22: Well Control		Flow check, observe well static. Recover RCD element, install trip nipple. Recovered 6.26 lbs of swarf from magnets.																													
1.50		6: Tripping		Continue TORH with Concave mill BHA, break down mill and clean rig floor.																													
1.25		6: Tripping		P/U New BHA, install MWD and Scribe motor.																													
0.75		6: Tripping		T/H with 6 3/4" drill collars and drill pipe on elevators with no issues. Monitor displacement on trip tank. Hole giving proper displacement.																													
24.00																																	
QTY		BHA ITEM		LENGTH		TIME DISTRIBUTION		DAILY		CUM		ROP MD/TVD		Pen Ft MD/TVD		Lndg Ft MD/TVD																	
1		Weatherford Concave Mill		1.73		1 MWD/RDMO		0.00		81.00																							
1		Bit sub with float		3.08		2 Drilling		0.00		468.25		Depth		Dev.		Az.																	
1		6.75 NMDC		30.40		3 Washing/Reaming		13.75		223.00		12,170		1.53		98																	
17		6.5" DC		515.38		4 Lost Circulation		0.00		11.75		12,264		1.42		101																	
1		Float sub single		4.50		5 Cond. Mud & Circ.		0.00		149.75		12,359		1.35		95																	
21		HWDP		635.77		6 Tripping		6.75		697.75		12,453		1.39		91																	
						7 Lubricate Rig		0.75		21.50		12,548		1.44		89																	
						8 Rig Repair		0.00		53.00		12,642		1.63		83																	
						9 Cut Drig Line		0.00		20.00		12,737		1.87		82																	
						10 Deviation Survey		0.00		0.50		12,831		2.11		85																	
						11 Wireline Logging		0.00		74.00		12,926		2.15		86																	
						12 Run Casing		0.00		94.50		13,020		2.28		84																	
						13 Cement Casing		0.00		48.25		13,115		2.60		82																	
						14 Wait On Cement		0.00		20.00		13,238		3.28		81																	
						15 NU BOP's		0.00		106.75		13,315		3.54		84																	
						16 Test BOP's		0.00		36.25		13,410		4.17		84																	
						17 Plug Back		0.00		0.00		13,504		2.55		94																	
						18 Squeeze Cmt		0.00		0.00		13,599		2.58		94																	
						19 Fishing		0.00		54.50		13,694		2.60		91																	
						20 Directional Work		0.00		42.75		13,783		3.12		81																	
						21 Weather		0.00		0.00		13,878		3.41		84																	
						22 Well Control		0.75		199.50		13,972		3.17		88																	
						23 Waiting-Orders/Equip		0.00		19.00		Planned VS		feet @		azimuth																	
						24 Drill Cmt / Shoe Test		0.00		7.75		DAY DRILLING FOREMAN				CELL PHONE NUMBER																	
						25 Jet & Clean Pits		0.00		0.00																							
Joints		DP ITEM		OD		#/FT		GRADE		LENGTH		26 Regulatory		0.00		54.50		NIGHT DRILLING FOREMAN				CELL PHONE NUMBER											
219		DP		5		19.5		5-135		6903.28		27 Other		1.50		116.75		Steven Ridder															
												28 Other		0.50		16.00																	
												29 Other		0.00		0.00																	
												30 Other		0.00		0.00																	
												31 Other		0.00		0.00																	
												TOTALS		24.00		2617.00		AMEREDEV PERSONELL															
																		DRILLING SUPERINTENDENT		JT Wilkerson													
																		DRILLING ENGINEER		John Zabaldano													
																		DAY CONTROL ROOM SUP		Chris Huff													
																		NIGHT CONTROL ROOM SUP		Andy Slusarchuk													
Cost Input																																	
Cost Type	Charge	Code		Description								Vendor		Unit Cost	Quantity	Cost	Carry Over																
8500	0.094	SUPERVISION / CONTRACT		Stephen Ritter								Rusco Operating LLC			1.0		Yes																
8500	0.094	SUPERVISION / CONTRACT		Andy Slusarchuk /Chris Huff								Rusco Operating LLC			1.0		Yes																
8500	0.024	SURFACE RENTALS		Trash trailer 2 Porta pots. Water and Septic for office trailer. 3 Light Plants								Hoppe's Construction LLC			1.0		Yes																
8500	0.024	SURFACE RENTALS		Internet & Intercoms								wersat Communications US			1.0		Yes																
8500	0.024	SURFACE RENTALS		Forklift \$150/day								Boland Field Services LLC			1.0		Yes																
8500	0.024	SURFACE RENTALS		14 x Flat bottom Frac tanks								Blueprint Oilfield Services Inc			1.0		Yes																
8500	0.024	SURFACE RENTALS		4 Sets of pipe Bolsters								Divine Energy Services Inc			1.0		Yes																
8500	0.024	SURFACE RENTALS		4 Sets of pipe racks								Divine Energy Services Inc			1.0		Yes																
8500	0.024	SURFACE RENTALS		PVT/Chokes \$477 plus \$70 on days with gas detection								Pason			1.0		Yes																
8500	0.01	DRILLING RIG		Citadel Rig #3 (OBM Pay)								Citadel Drilling			1.0		Yes																
8500	0.024	SURFACE RENTALS		1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank								Johnso Specialty Tools LLC			1.0		Yes																
8500	0.024	SURFACE RENTALS		Diverter Line, Drive over & Igniter								Iron Horse Tools LLC			1.0		Yes																
8500	0.124	TY AND EMERGENCY RESPON		H2s Compliance Package								American Safety Services, In			1.0		Yes																
8500	0.066	DS CONTROL EQUIP / SERV		Solid Control Equipment and Hands + OBM washgun \$25/day								KSW Oilfield Rental LLC			1.0		Yes																
8500	0.198	MUD LOGGING		Mud Logging Service								ckstone Analytics Mud Logg			1.0		Yes																
8500	0.024	SURFACE RENTALS		Minion Tank								Think Tank			1.0		Yes																
8500	0.048	LL CONTROL EQUIP / SERV		Rotating Head & MPD								Opla			1.0		Yes																
8500	0.06	D, ADDITIVES, AND CHEMIC		Mud additives & driveby mud check (OBM)								NOVA Mud			1.0		Yes																
8500	0.032	DIRECTIONAL DRILLING		Learn Motor Rental								Learn			1.0		Yes																
8500	0.032	DIRECTIONAL DRILLING		MWD Services								AIM			1.0		Yes																
8500	0.024	SURFACE RENTALS		500 BBL pre-nix tank (\$450/Day)								McAda Drilling Fluids Inc.			1.0		Yes																
8500																\$	-																
8500																\$	-																
8500																\$	-																
8500																\$	-																
8500																\$	-																
8500																\$	-																
8500																\$	-</																



Ameredev LLC																				Report # 111			
Morning Drilling Report																							
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE									
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Tue, April 13, 2021									
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS	
		12/27/2020		107										15,750		15,750		0		0		0	
Current Operation				Tripping out of hole				Next 24 Hours				Trip out of hole C/O bit TTH											
Type	Casing Specs			Top TMD	Blm TMD	ID	Drift	Burst	Collapse	Yield	Int Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size							
Surface	24			1,383	1,383											26							
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635.000	11	3	Halcem	410	14.80000	1.33000	0	635 / 410	22							
Intermediate	13.625" Q-125 88.2# BTC			0	7,150	12.375	12.219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2							
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4							
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI											
Barnet				2,799	3,279	4,139	30																
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP								
5.0	6.500	328.334/672	548	301	6.11						13,235		13.2		826								
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE							
3.52	5.5			12	82	3.52		5.5	12	82			577			3,900							
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT							
12.0	12.0	57.0	57.0	19.0	11.0	12.0	26.0	5.0	353508.0	0.0	1.0	18.9	6.7	0.0	0.0	0.0							
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	D W	LIME	ES	LCM												
				62000.00	0.00	59.20	19.20	76.24	4.53	5.40	0.00												
PREV BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
43		8 1/2	Baker	D507TX	14	14	14	14	14	14	14	0	0	0	0	0.9020							
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
4/9/2021 20:00	4/10/2021 4:13	15463	15750	26.00	30.00	8.25	34.8	8.25	LIH	LIH	LIH	LIH	LIH	LIH	LIH	Lost In Hole							
CUR. BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
44		8 1/4	Weatherford	Concave Mill	20	20	20	0	0	0	0	0	0	0	0	0.6136							
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
		0	0					0								0.6136							
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER							
0				1,207																			
FUEL ON HAND				TOTAL FUEL USED								DAILY SOLIDS				OWNER							
9,048				157,568				Gel				Mica				ABO							
PICKUP WT.				AVG. DRAG				Poly Plus				Quick Thin				PolyPac UI							
340				15												TOTAL SOLIDS							
ROTATING WT.				MAX. DRAG				Caustic				Soda Ash				Gelex							
306				18												DAILY DISPOSAL COSTS							
SLACKOFF WT.				TQ. ON BTM				Bar				Lime				Tackle							
285				17,000												DAILY LIQUIDS							
BHA HOURS				TQ. OFF BTM				Pac-R				Alum Ster				Cost							
12				10,000												TOTAL LIQUIDS							



Ameredev LLC																				Report # 112	
Morning Drilling Report																					
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE							
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Wed, April 14, 2021							
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS	
		12/27/2020		108								15.772		15.772		19		5		4	
Current Operation:				Drilling 8.5" Hole				Next 24 Hours:				Drill, TOOH for PDC bit and motor									
Type	Casing Specs			Top TMD	Botm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size					
Surface	24			1,383	1,383											26					
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635.000	11	3	Halcem	410	14.80000	1.33000	0	635 / 410	22					
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12.375	12.219	10.030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2					
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4					
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI									
Bamet				2,799	3,279	4,139	90	30	30												
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP						
5.0	6.500	299.2363156	471	201	2.45						13,235		13.2		1,170						
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE					
3.52	5.5			12	82	3.52		5.5	12	82			577			3,900					
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT					
11.5	11.5	57.0	57.0	19.0	11.0	11.0	24.0	5.0	226522.0	0.0	1.0	18.6	6.8	0.0	0.0	0.0					
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM										
				62000.00	0.00	60.60	18.30	3.35	4.53	547.00	0.00										
PREV BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
45		8 1/2	Halliburton	GT65DMHE	16	16	16	16	16	16	0	0	0	0	0	0.9817					
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
1/0/1900 0:00	1/0/1900 0:00	0	0	0.00	0.00	0		0	8	8	0	A	X	I	NO	See Off Production					
CUR. BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
46		8 1/2	Varel	HE37MRSV	1628046	20	20	20	20	0	0	0	0	0	0	0.9204					
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
		0	0	0.00	0.00			0													
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
0				0								DAILY SOLIDS				0					
FUEL ON HAND				7,962				TOTAL FUEL USED				DAILY SOLIDS				0					
340				AVG. DRAG				Poly Plus				TOTAL SOLIDS				0					
306				MAX. DRAG				18				DAILY DISPOSAL COSTS				CUM BBLs					
285				TQ. ON BTM				17,000				DAILY LIQUIDS				0					
12				TQ. OFF BTM				10,000				TOTAL LIQUIDS				0					
BHA HOURS				24.00				No Accidents, Spills or Inspections to report													
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )													
0.25				27: Other				Safety Meeting/Crew Handover..													
5.75				6: Tripping				Tooh to 551'													
1.00				6: Tripping				Rack Back Drill Collars.													
0.25				20: Directional Work				Drain Mud Motor/Break Bit.													
1.75				27: Other				Decision made to P/U Insert Bit and Bit Sub, Lay down NMDC, UBHO & Motor, Load and Strap 9 joints of HWDP to Replace Bent Joints.													
0.75				6: Tripping				P/U Drill collar, Make up Bit and Bit Sub.													
0.50				7: Lubricate Rig				Rig Service, Change out Dies in TM-120.													
0.50				6 Tripping				Continue Picking up Drill Collars.													
1.25				6 Tripping				Swap out Bent HWDP with 9 joints of HWDP.													
0.25				27: Other				Safety Meeting/Crew Handover..													
4.50				6: Tripping				Trip in hole to 13235 filling pipe every 30 stands													
3.50				3 Washing/Reaming				Wash and Ream from 13235' to 15753'													
3.75				2 Drilling				Rotate w/ Bit #46 from 15750' to 15772' (6"/hr) w/ 45 WOB, 85 Surf RPM, Motor RPM.													



Ameredev LLC																				Report # 113																								
Morning Drilling Report																																												
WELL NAME					AFE #		STATE WELL ID #		API #		OBJECTIVE					DATE																												
INDEPENDENCE AGI #1							0		30-025-49081		DRILLING					Thu, April 15, 2021																												
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS																						
		12/27/2020		109										15,907		15,907		135		36		4																						
Current Operation:					Drilling 8.5" Hole Section					Next 24 Hours:					Drill to casing point, circ, toolh for logs																													
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size																
Surface		24		1,383		1,383																						26																
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		Halcem		410		14.80000		1.33000		0		635 / 410		22																
Intermediate		13.625" O-125 88.2# BTC		0		7,150		12.375		12.219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118.9/5350.35		/		17 1/2																
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8.525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000				/		12 1/4																
FORMATION					BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI																							
					2,799		3,279		4,139		90				30				13,235																									
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP																								
5.0		6.500		299.2363156		471		134		1.10						13,235		13.2		1,170																								
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE																						
3.52		5.5		12		82		3.52		5.5		12		82		577		577		3,900																								
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT														
11.5		11.5		57.0		57.0		19.0		11.0		11.0		24.0		5.0		226522.0		0.0		1.0		18.6		6.8		0.0		0.0														
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM																						
								62000.00		0.00		60.60		18.30		3.35		4.53		547.00		0.00																						
PREV BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA												
46				8 1/2		Varel		HE37MRSV		1628046		20		20		20		0		0		0		0		0		0		0.9204														
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON												
1/0/1900 0:00		1/0/1900 0:00		0		0		0.00		0.00		0				0		1		2		BT		M		E		I		WT		Note Off Production (see)												
CUR. BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA												
47				8 1/2		Uterra		U713M		54899		16		16		16		16		16		16		16		0		0		0		1.3744												
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON												
				0		0		0.00		0.00						0																												
FUEL DELIVERED					FUEL USED TODAY					MUD ADDITIVES IN LAST 24 HOURS					SOIL FARMING / MUD DISPOSAL					FRESH WATER																								
0					1,327																																							
FUEL ON HAND					TOTAL FUEL USED					Gel					Mica					ABO					DAILY SOLIDS					0					OWNER									
6,635					159.981																																							
PICKUP WT.					AVG. DRAG					Poly Plus					Quick Thin					PolyPac UI					TOTAL SOLIDS					0					DAILY BBLs					0				
340					15																																							
ROTATING WT.					MAX. DRAG					Caustic					Soda Ash					Gelex					DAILY DISPOSAL COSTS					CUM BBLs					0									
306					18																																							
SLACKOFF WT.					TQ. ON BTM					Bar					Lime					Tackle					DAILY LIQUIDS					0														
285					17,000																																							
BHA HOURS					TQ. OFF BTM					10,000					Pac-R					Alum Ster					Cost					TOTAL LIQUIDS					0									
12					10,000																																							
CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																																												
HOURS		TIME CODE																																										
2.00		2: Drilling		Rotate w/ Bit #46 From 15772' to 15779' (4"/hr) w/ 45 WOB, 85 Surf RPM, 0 Motor RPM.																																								
4.75		3: Washing/Reaming		Back ream from 15779' to 13235'																																								
0.50		22: Well Control		Remove Rotating Head, install Trip Nipple.																																								
4.75		6: Tripping		Pump Slug and Toolh from 13,235' to 1,300'.																																								
0.25		27: Other		Safety Meeting/Crew Handover.																																								
0.50		6: Tripping		Rack back Drill Collars.																																								
0.75		20: Directional Work		P/U Motor, NMDC, Make up Bit, Scribe Motor & install MWD tool.																																								
5.00		6: Tripping		Tfh from BHA to 13,235'. Test MWD @ 5,000' (Good Test)																																								
0.50		22: Well Control		Remove Trip Nipple, install Rotating Head.																																								
0.75		9: Cut Drlg Line		Slip and Cut Drilling Line.																																								
2.00		3: Washing/Reaming		Wash and Ream from 13,235' to 15,779'.																																								
0.50		20: Directional Work		Re-log Gamma from 15719'-15779'																																								
1.75		2: Drilling		Rotate w/ Bit #47 from 15779' to 15907' (73"/hr) w/ 22 WOB, 40 Surf RPM, 176 Motor RPM.																																								



Ameredev LLC																		Report # 114							
Morning Drilling Report																									
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE											
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Fri, April 16, 2021											
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS			
		12/27/2020		110										16,135		16,135		228		24		10			
Current Operation				Working tight hole				Next 24 Hours				Work pipe free													
Type	Casing Specs			Top TMD	Blm TMD	ID	Drift	Burst	Collapse	Yield	Int Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size									
Surface	24			1,383	1,383											26									
Intermediate	20" N-80 133# BTC			0	3,412	NeoCam	635.000	11	3	Halcem	410	14.80000	1.33000	0	635 / 410	22									
Intermediate	13.625" Q-125 88.2# BTC			0	7,150	12.375	12.219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2									
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000	/	/	12 1/4									
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI													
Barnet				2,799	3,279	4,139	30		30		30														
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP										
5.0	6.500	299.2363156	471	134	1.10						13,235		13.2		1,170										
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE									
3.52	5.5			82	3.52	5.5		82				577		3,900											
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT									
11.5	11.5	57.0	57.0	19.0	11.0			5.0	226522.0	0.0	1.0	18.6	6.8	0.0	0.0	0.0									
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O W	LIME	ES	LCM														
				62000.00	0.00	60.60	18.30	3.35	4.53	547.00	0.00														
PREV BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA									
46		8 1/2	Varel	HE37MRSV	1628046	20	20	20	0	0	0	0	0	0	0	0.9204									
START FT	END FT	DEPTH IN	DEPTH OUT	AVE WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON									
1/0/1900 0.00	1/0/1900 0.00	0	0	0.00	0.00	0		0	1	2	8T	M	E	I	WT	Reason of Drilling									
CUR. BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA									
47		8 1/2	Ukerra	U713M	54899	16	16	16	16	16	16	16	0	0	0	1.3744									
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON									
		0	0	0.00	0.00			0																	
FUEL DELIVERED				1,890		FUEL USED TODAY				1,872 <th colspan="4">MUD ADDITIVES IN LAST 24 HOURS</th> <th colspan="4">SOIL FARMING / MUD DISPOSAL</th> <th colspan="4">FRESH WATER</th>		MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
FUEL ON HAND				6,653		TOTAL FUEL USED				161,853		Gel		Mica		ABO		DAILY SOLIDS		0	OWNER				
PICKUP WT.				340		AVG. DRAG				15		Poly Plus			Quick Thin		PolyPac UI		TOTAL SOLIDS		0	DAILY BBLs	0		
ROTATING WT.				306		MAX. DRAG				18		Caustic			Soda Ash		Gelex		DAILY DISPOSAL COSTS			CUM BBLs	0		
SLACKOFF WT.				285		TQ. ON BTM				17,000		Bar			Lime		Tackle		DAILY LIQUIDS		0				
BHA HOURS				12		TQ OFF BTM				10,000		Pac-R			Alum Ster		Cost		TOTAL LIQUIDS		0				
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																	
2.00	2: Drilling			Rotate w/ Bit #47 From 15907' to 16038' (66"/hr) w/ 22 WOB, 40 Surf RPM, 176 Motor RPM.																					
5.00	2: Drilling			Rotate w/ Bit #47 From 16038' to 16100' (12"/hr) w/ 15 WOB, 0 Surf RPM, 192 Motor RPM.																					
1.00	5: Cond. Mud & Circ			Circulate Bottoms up for Samples																					
1.00	2: Drilling			Slide w/ Bit #47 From 16100' to 16110' (10"/hr) w/ 10 WOB, 0 Surf RPM, 192 Motor RPM.																					
0.50	5: Cond. Mud & Circ			Circulate Bottoms up for Samples																					
1.00	2: Drilling			Slide w/ Bit #47 From 16110' to 16125' (15"/hr) w/ 10 WOB, 0 Surf RPM, 192 Motor RPM.																					
0.50	2: Drilling			Rotate w/ Bit #47 From 16125' to 16135' (20"/hr) w/ 25 WOB, 40 Surf RPM, 192 Motor RPM.																					
1.00	5 Cond. Mud & Circ			Circulate Fluid Caliper.																					
0.25	27 Other			Safety Meeting/Crew Handover.																					
0.75	5: Cond. Mud & Circ			Continue Circulating Fluid Caliper around and Shakers Clean.																					
4.50	27: Other			Attempt to TOOH, Pulled Tight, Attempt to Pump out of the hole and Hole packed off and Started losing Returns, While torquing up and stalling out. Decision made to Build LCM Pill. Wait on Diesel trucks to Pump down the Back side. Lost Approx 300 bbls.																					
0.50	5 Cond. Mud & Circ			Fill Tank 1 with Diesel and Pump 14 bbls down the back side.																					
4.00	5 Cond. Mud & Circ			Work Stuck Pipe, Pump 62 bbl LCM Pill followed by 127 bbls of Diesel into the pipe. Work Pipe up to 480k down to 200k. Pipe will Rotate.																					
2.00	4: Lost Circulation			Continue Working Pipe Free.																					
24.00																									
No Accidents, Spills or Inspections to report																									
QTY	BHA ITEM				LENGTH	TIME DISTRIBUTION		DAILY	CUM	KOP MD/TVD		Pen Pt MD/TVD		Lndg Pt MD/TVD											
1	8.5" Utterra U713M Bit				1.00	1 MRLU/RDMO		0.00	81.00																
1	7 1/4" Leam 7/8 8.5 FBH 1.75 True Slick				36.40	2 Drilling		9.50	485.25	Depth	Dev.	Azi	TVD	VS	DLS										
1	Float Sub Double Bored				3.08	3 Washing/Reaming		0.00	243.50	12,170	1.53	98	12,165	-111.08	0.22										
1	6 3/4" UBHO NM				3.95	4 Lost Circulation		2.00	13.75	12,264	1.42	101	12,259	-112.99	0.14										
1	6 3/4" NMDC				30.19	5 Cond. Mud & Circ		7.75	157.50	12,359	1.35	95	12,354	-114.77	0.16										
1	6 3/4" NMDC				30.40	6 Tripping		0.00	730.00	12,453	1.39	91	12,448	-116.39	0.12										
17	6.5" Drill Collars				515.38	7 Lubricate Rig		0.00	22.50	12,548	1.44	89	12,543	-117.99	0.06										
24	5" HWDP				726.16	8 Rig Repair		0.00	53.00	12,642	1.63	83	12,637	-119.57	0.28										
						9 Cut Orig Line		0.00	21.75	12,737	1.87	82	12,732	-121.26	0.25										
						10 Deviation Survey		0.00	0.50	12,831	2.11	85	12,826	-123.20	0.27										
						11 Wireline Logging		0.00	74.00	12,926	2.15	86	12,921	-125.40	0.07										
						12 Run Casing		0.00	94.50	13,020	2.28	84	13,015	-127.63	0.17										
						13 Cement Casing		0.00	48.25	13,115	2.60	82	13,110	-130.00	0.34										
						14 Wait On Cement		0.00	20.00	13,238	3.28	81	13,233	-133.59	0.55										
						15 NU BOP's		0.00	106.75	13,315	3.54	84	13,309	-136.27	0.40										
						16 Test BOP's		0.00	36.25	13,410	4.17	84	13,404	-140.14	0.66										
						17 Plug Back		0.00	0.00	13,504	2.55	94	13,498	-143.74	1.81										
						18 Squeeze Cmt		0.00	0.00	13,599	2.58	94	13,593	-146.85	0.04										
						19 Fishing		0.00	54.50	13,694	2.60	91	13,688	-149.92	0.14										
						20 Directional Work		0.00	44.25	13,783	3.12	81	13,777	-152.68	0.82										
						21 Weather		0.00	0.00	13,878	3.41	84	13,872	-155.85	0.37										
						22 Well Control		0.00	200.50	13,972	3.17	88	13,965	-159.27	0.34										
						23 Waiting-Orders/Equip		0.00	19.00	Planned VS		feet @		azimuth											
						24 Drill Cmt / Shoe Test		0.00	7.75	DAY DRILLING FOREMAN				CELL PHONE NUMBER											
						25 Jet & Clean Pits		0.00	0.00	Steven Ridder															
						26 Regulatory		0.00	54.50	NIGHT DRILLING FOREMAN				CELL PHONE NUMBER											
						27 Other		4.75	125.00	Chris Pratt															
						28 Other		0.00	16.50	AMEREDDEV PERSONNEL															
						29 Other		0.00	2.50	DRILLING SUPERINTENDENT				JT Wilkerson											
						30 Other		0.00	0.00	DRILLING ENGINEER				John Zabaldano											
						31 Other		0.00	0.00	DAY CONTROL ROOM SUP				Ted Cheatwood											
						TOTALS		24.00	2713.00	NIGHT CONTROL ROOM SUP				Hesston Cheatwood											
Cost Input																									
Cost Type	Charge	Code		Description				Vendor		Unit Cost	Quantity	Cost	Carry Over												
8500	0.094	SUPERVISION / CONTRACT		Stephen Ritter/Chris Pratt				Rusco Operating LLC			1.0		Yes												
8500	0.094	SUPERVISION / CONTRACT		Ted Cheatwood/Hesston Cheatwood				Rusco Operating LLC			1.0		Yes												
8500	0.024	SURFACE RENTALS		Trash trailer 2 Porta pots. Water and Septic for office trailer. 3 Light Plants				Hoppe's Construction LLC			1.0		Yes												
8500	0.024	SURFACE RENTALS		Internet & Intercoms				versat Communications US			1.0		Yes												
8500	0.024	SURFACE RENTALS		Forklift \$150/day				Boland Field Services LLC			1.0		Yes												
8500	0.024	SURFACE RENTALS		14 x Flat bottom Frac tanks				Blueprint Oilfield Services			1.0		Yes												
8500	0.024	SURFACE RENTALS		4 Sets of pipe Bolsters				Divine Energy Services Inc			1.0		Yes												
8500	0.024	SURFACE RENTALS		4 Sets of pipe racks				Divine Energy Services Inc			1.0		Yes												
8500	0.024	SURFACE RENTALS		PVT/Chokes \$477 plus \$70 on days with gas detection				Pason			1.0		Yes												
8500	0.01	DRILLING RIG		Citadel Rig #3 (OBM Pay)				Citadel Drilling			1.0		Yes												
8500	0.024	SURFACE RENTALS		1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank				Johnso Specialty Tools LLC			1.0		Yes												
8500	0.024	SURFACE RENTALS		Diverter Line, Drive over & Igniter				Iron Horse Tools LLC			1.0		Yes												
8500	0.124	TY AND EMERGENCY RESP		H2s Compliance Package				American Safety Services, In			1.0		Yes												
8500	0.066	DS CONTROL EQUIP / SERV		Solid Control Equipment and Hands + OBM washgun \$25/day				KSW Oilfield Rental LLC			1.0		Yes												
8500	0.198	MUD LOGGING		Mud Logging Service				ckstone Analytics Mud Logg			1.0		Yes												
8500	0.024	SURFACE RENTALS		Minion Tank				Think Tank			1.0		Yes												
8500	0.048	LL CONTROL EQUIP / SERV		Rotating Head & MPD				Opla			1.0		Yes												
8500	0.06	D, ADDITIVES, AND CHEMIC		Mud additives & driveby mud check (OBM)				NOVA Mud			1.0		Yes												
8500	0.032	DIRECTIONAL DRILLING		Leam Motor Rental				Leam			1.0		Yes												
8500	0.032	DIRECTIONAL DRILLING		MWD Services				AJM			1.0		Yes												
8500	0.024	SURFACE RENTALS		500 BBL pre-mix tank (\$450/Day)				McAda Drilling Fluids Inc			1.0		Yes												
8500	0.056	MISC SUPPLIES & MATERIAL		Concave Mills				eatherford U.S. L.P.(FDC492			1.0		No												
8500												\$ -													
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## Report # 115

WELL NAME				AFE #	STATE WELL ID #	API #	OBJECTIVE		DATE												
INDEPENDENCE AGI #1					0	30-025-48081	DRILLING		Sat, April 17, 2021												
DRLG CONTRACTOR		SPUD DATE		DAYS	Daily Cost	Cum Cost	AFE Cum Cost	Perc of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS								
		12/27/2020		111					16,135	16,135	0	0	0								
Current Operation:				Circulating bottoms up @ 8883' w/ coil tubing				Next 24 Hours:		Displace LCM pill out of DP w/ coil tubing											
Type		Casing Specs		Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size					
Surface		24		1,383	1,383																
Intermediate		20" N-80 133# BTC		0	3,412	NeoCem	635,000	11	3	Halcem	410	14,80000	1,33000	0	635 / 410	26					
Intermediate		13.625" Q-125 88.2# BTC		0	7,150	12.375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118 9/5350.35	/	17 1/2					
Intermediate		9.625" L-80 47# BTC		0	13,235	8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000	/	/	12 1/4					
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI									
Barnet				2,799	3,279	4,139	30	30	30	30	30	30									
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP	
5.0		6.500		299.2363156		471		134		1.10						13,235		13.2		1,170	
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS	
3.52		5.5		12		82		3.52		5.5		12		82		3.52		5.5		12	
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP	
11.5		11.5		57.0		57.0		19.0		11.0		11.0		24.0		226522.0		0.0		0.0	
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES	
								62000.00		0.00		60.60		18.30		3.35		4.53		547.00	
PREV BIT #		Re-Run		SIZE		MFG#		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5	
46		8 1/2		Varel		HE37MRSV		1628046		20		20		20		20		0		0	
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER	
1/0/1900 0:00		1/0/1900 0:00		0		0		0.00		0.00		0		0		0		1		2	
CUR. BIT #		Re-Run		SIZE		MFG#		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5	
47		8 1/2		Ulterra		U713M		54899		16		16		16		16		16		16	
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER	
				0		0		0.00		0.00		0		0		0		0		0	
FUEL DELIVERED				5,392	FUEL USED TODAY				946	MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER			
FUEL ON HAND				11,099	TOTAL FUEL USED				162,799	Gel				Mica				ABO			
PICKUP WT.				340	AVG. DRAG				15	Poly Plus				Quick Thin				PolyPac Ur			
ROTATING WT.				306	MAX. DRAG				18	Caustic				Soda Ash				Gelex			
SLACKOFF WT.				285	TQL ON BTM				17,000	Bar				Lime				Tackle			
BHA HOURS				12	TQ OFF BTM				10,000	Pac-R				Alum Ster				Cost			
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS to 0600 HRS )													
0.25				27: Other				Safety Meeting/Crew Handover.													
9.25				27: Other				Work Stuck Pipe from 220KLS - 480KLS													
0.25				27: Other				P/SM with Stealth to Rig up coil tubing Unit.													
2.25				27: Other				Rig Up Coil tubing Unit.													
0.25				27: Other				Safety Meeting/Crew Handover.													
1.25				27: Other				Continue Rigging up Coil tubing. Pressure Test Lines to 2000 psi for 10 Mins.													
4.50				27: Other				Pumps lost prime when pumping OBM. Go through pumps and clean out all lines. Pumped through with diesel and primed pumps.													
1.00				27: Other				Displace Water out of tubing with Diesel.													
0.50				27: Other				Pumps lost Prime as soon as we went to OBM, Decision made to run Tubing in the hole and Displace with Diesel.													
1.50				27: Other				Run Coil Tubing in @ 60'/Min pumping .5bbls/Min to 2700'.													
0.25				27: Other				Safety Meeting/Crew Handover.													
2.75				27: Other				Run Coil Tubing in @ 60'/Min pumping .5 -.75bbls/Min to 7863' slow to 30fpm from 7863' to 8633', slowed to 5 fpm from 8633 -8683' slowed to 1-2 fpm from 8683' -8703', wash back up to 8683' circulate bottoms up.													



## Report # 116

[illegible]



Ameredev LLC																				Report # 117			
Morning Drilling Report																							
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE									
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Mon, April 19, 2021									
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS	
		12/27/2020		113										16,135		16,135		0		0		0	
Current Operation:				Running with perf gun				Next 24 Hours:				perf pipe estalalsh circ, work pipe free											
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size							
Surface	24			1,383	1,383											26							
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	HalCem	410	14.80000	1.33000	0	635 / 410	22							
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12.375	12.219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2							
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4							
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI											
Bamet				2,799	3,279	4,139	90		30		30												
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF								
5.0	6.500	299.2363156	471	134	1.10						13,235		13.2		1,170								
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE							
3.52	5.5			82	3.52	5.5		82					577			3,900							
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT							
11.5	57.0	57.0	57.0	19.0	11.0	11.0	24.0	5.0	226522.0	0.0	1.0	18.6	6.8	0.0	0.0	0.0							
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM												
				62000.00	0.00	60.60	18.30	3.35	4.53	547.00	0.00												
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
46		8 1/2	Varel	HE37MRSV	1628046	20	20	20	0	0	0	0	0	0	0	0.9204							
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
1/0/1900 0:00	1/0/1900 0:00	0	0	0.00	0.00	0					BT	M	E	I	WT	See Off Production log							
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
47		8 1/2	Utterra	U713M	54899	16	16	16	16	16	16	16	0	0	0	1.3744							
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
		0	0	0.00	0.00			0															
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER							
0				603																			
FUEL ON HAND				TOTAL FUEL USED				Gel				DAILY SOLIDS				DAILY BBLs							
9,893				164.005				Poly Plus				0				0							
PICKUP WT.	AVG. DRAG			Poly Plus			Quick Thru			PolyPac UI			TOTAL SOLIDS			DAILY DISPOSAL COSTS							
340	15			18			Soda Ash			Gelex			0			0							
ROTATING WT.	MAX. DRAG			18			Lime			Tackle			DAILY LIQUIDS			CUM BBLs							
306	17,000			8			Cost			Cost			0			0							
SLACKOFF WT.	TQ. ON BTM			Bar			Alum Ster						TOTAL LIQUIDS										
285	10,000			Pac-R									0										
BHA HOURS	12			TQ. OFF BTM																			
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																			
3.00	27: Other		Rig down Coil tubing unit																				
6.00	27: Other		Work Stuck pipe																				
6.00	11: Wireline Logging		Rig up and Run Stuck Pipe Logs down to 15,950'. Make main pass back up to 13,100'. Lay down Stuck pipe Tools.																				
4.00	11: Wireline Logging		Pick up Free point and Shots and run in the to 14,533' (tool joint free), 14,565' (Stuck Tool Joint).																				
1.00	11: Wireline Logging		Decision made to come out and pick up Perf Gun to Perf DP.																				
4.00	11: Wireline Logging		Pull Free Point out of the hole to pick up Perf Gun.																				



Ameredev LLC																				Report # 118								
Morning Drilling Report																												
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE														
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Tue, April 20, 2021														
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS								
		12/27/2020		114								16,135		16,135		0		0		0								
Current Operation:				Working Stuck pipe circulating through perf.						Next 24 Hours:				Work pipe free														
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size												
Surface	24			1,383	1,383											26												
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	HalCem	410	14.80000	1.33000	0	635 / 410	22												
Intermediate	13.625" O-125 88.2# BTC			0	7,150		12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2												
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4												
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI																
Bamet				2,799	3,279	4,139	90	30	30																			
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT. 24 HRS.				COST/FT. (OA)				LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF										
5.0	6.500	299.2363156	471	134	1.10									13,235		13.2		1,170										
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE				SPM #2	GPS #3	LINER X STROKE				SPM #3	GPM	PUMPS		PUMP PRESSURE								
3.52	5.5			12	3.52	5.5				82							577			3,900								
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT												
11.5	57.0	57.0	57.0	19.0	11.0	11.0	24.0	5.0	226522.0	0.0	1.0	18.6	6.8	0.0	0.0	0.0												
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM																	
				62000.00	0.00	60.60	18.30	3.35	4.53	547.00	0.00																	
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA												
46		8 1/2	Varel	HE37MRSV	1628046	20	20	20	0	0	0	0	0	0	0	0.9204												
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON												
1/0/1900 0:00		0	0	0.00	0.00																							
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA												
47		8 1/2	Utterra	U713M	54899	16	16	16	16	16	16	16	16	0	0	1.3744												
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON												
		0	0	0.00	0.00			0																				
FUEL DELIVERED				0	FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL		FRESH WATER													
FUEL ON HAND				9,290	TOTAL FUEL USED								DAILY SOLIDS		OWNER													
PICKUP WT.				340	AVG. DRAG				Quick Thir				TOTAL SOLIDS		DAILY BBLs													
ROTATING WT.				306	MAX. DRAG				Soda Ash				DAILY DISPOSAL COSTS		CUM BBLs													
SLACKOFF WT.				285	TQ. ON BITM				Lime				DAILY LIQUIDS															
BHA HOURS				12	TQ. OFF BITM				Alum Ster				TOTAL LIQUIDS															
HOURS				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																								
4.00	11: Wireline Logging			Run in hole with Perf per gun and collar locator, pull back out of hole p/v Gamma tool.																								
5.00	11: Wireline Logging			Run in the hole with Collar Locator, Gamma and 24 shot gun barrel to 14,538.3'. Perf Drill pipe and Pull out of the hole and rigged down wire line.																								
1.75	5: Cond. Mud & Circ			Pressure up & Work pipe to Gain Circulation.																								
3.75	5: Cond. Mud & Circ			Circulate Diesel out and 11.1 OBM all the way around through perforated drill pipe.																								
1.50	22: Well Control			Change out Rotating Head.																								
8.00	5: Cond. Mud & Circ			Circulate @ 300 gpm while working stuck pipe up to 480k down to 220k.																								



Ameredev LLC																	Report # 119		
Morning Drilling Report																			
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE					
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Wed, April 21, 2021					
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD			
		12/27/2020		115										16,135		16,135			
Current Operation:				Pulling out of hole w/ free point tool				Next 24 Hours:				Run in hole and perf DR, Circ fill cuttings off of tool joint @ 14570'							
Type	Casing Specs			Top TMD		Btm TMD		ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt		
Surface	24			1,383		1,383											26		
Intermediate	20" N-80 133# BTC			0		3,412		NeoCem	635,000	11	3	Halcem	410	14.80000	1.33000	0	635 / 410		
Intermediate	13.625" O-125 88.2# BTC			0		7,150		12.375	12.219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	17 1/2		
Intermediate	9.625" L-80 47# BTC			0		13,235		8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		12 1/4		
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI			
Barnet				2,799		3,279		4,139		90				30					
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF			
5.0	6.500	299.2363156	471	134		1.10						13,235		13.2		1,170			
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE			
3.52	5.5			12	82	5.5		12	82				577			3,900			
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT			
11.5	57.0	57.0	57.0	19.0	11.0	11.0	24.0	5.0	226522.0	0.0	1.0	18.6	6.8	0.0	0.0	0.0			
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM								
				62000.00	0.00	60.60	18.30	3.35	4.53	547.00	0.00								
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA			
46		8 1/2	Varel	HE37MRSV	1628046	20	20	20	0	0	0	0	0	0	0	0.9204			
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON			
1/0/1900 0:00	1/0/1900 0:00	0	0	0.00	0.00	0		0	1	2		M	E	I	WT	Reason Of Production Issue			
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA			
47	0	8 1/2	Utterra	U713M	54899	16	16	16	16	16	16	16	0	0	0	1.3744			
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON			
		0	0	0.00	0.00			0											
FUEL DELIVERED				0		FUEL USED TODAY		1,086		MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER	
FUEL ON HAND				8,204		TOTAL FUEL USED		165 694		Gel		Mica	ABQ	DAILY SOLIDS		0	OWNER		
PICKUP WT.				340		AVG. DRAG		15		Poly Plus		Quick Thin	PolyPac UI	TOTAL SOLIDS		0	DAILY BBLs		
ROTATING WT.				306		MAX. DRAG		18		Caustic		Soda Ash	Gelx	DAILY DISPOSAL COSTS			CUM BBLs		
SLACKOFF WT.				285		TQ. ON BTM		17,000		Bar		Lime	Tackle	DAILY LIQUIDS		0			
BHA HOURS				12		TQ. OFF BTM		10,000		Pac-R		Alum Ster	Cost	TOTAL LIQUIDS		0			
HOURS				TIME CODE														CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )	
16.00				5: Cond. Mud & Circ														Circulate through perfs and Work Stuck Pipe. Dropping Perf Plugs to seal Perfs and adjust circulating rate according to PSI. (Total of 18 plugs Dropped.)	
0.75				11: Wireline Logging														Rig up Wire Line Truck to Run CCL Logs.	
7.25				11: Wireline Logging														Run CCL Logs and Free Point..	



Ameredev LLC																				Report # 120																			
Morning Drilling Report																																							
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																									
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Thu, April 22, 2021																									
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS																	
		12/27/2020		116										16,135		16,135		0		0		0																	
Current Operation:				Working on 10m rough neck				Next 24 Hours:				Make clean out run to top of fish																											
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size																							
Surface	24			1,383	1,383											26																							
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	HalCem	410	14,80000	1,33000	0	635 / 410	22																							
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12,375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2																							
Intermediate	9.625" L-80 47# BTC			0	13,235	8,681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4																							
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI																											
Barnet				2,799	3,279	4,139	30		30		30																												
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT. 24 HRS.				COST/FT. (OA)				LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP																					
5.0	6.500	299.2363156	471	134	1.10									13,235		13.2		1,170																					
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE			SPM #2	GPS #3	LINER X STROKE			SPM #3	GPM	PUMPS		PUMP PRESSURE																					
3.52	5.5			12	82	5.5			12	82	5.5			12	577			3,900																					
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT																							
11.5	11.5	57.0	57.0	19.0	11.0	11.0	24.0	5.0	226522.0	0.0	1.0	18.6	6.8	0.0	0.0	0.0																							
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM																												
				62000.00	0.00	60.60	18.30	3.35	4.53	547.00	0.00																												
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA																							
46		8 1/2	Varel	HE37MRSV	1628046	20	20	20	0	0	0	0	0	0	0	0.9204																							
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON																							
1/0/1900 0:00	1/0/1900 0:00	0	0	0.00	0.00	0		0	1	2	BT	M	E	I	WT	None Off Production (see)																							
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA																							
47		8 1/2	Uterra	U713M	54899	16	16	16	16	16	16	16	0	0	0	1.3744																							
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON																							
		0	0	0.00	0.00			0																															
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER																							
FUEL ON HAND				8,204				TOTAL FUEL USED				165 694				Gel				Mica				ABQ				DAILY SOLIDS				OWNER							
PICKUP WT.				340				AVG. DRAG				15				Poly Plus				Quick Thin				PolyFac UI				TOTAL SOLIDS				DAILY BBLs				0			
ROTATING WT.				306				MAX. DRAG				18				Caustic				Soda Ash				Gelex				DAILY DISPOSAL COSTS				CUM BBLs				0			
SLACKOFF WT.				285				TQ. ON BTM				17,000				Bar				Lime				Tackle				DAILY LIQUIDS				0							
BHA HOURS				12				TQ. OFF BTM				10,000				Pac-R				Alum Ster				Cost				TOTAL LIQUIDS				0							
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																																			
0.75	11: Wireline Logging			Come out of the hole with wireline Free point tool.																																			
4.75	11: Wireline Logging			Pick up Gamma and Gun Barrel, Run in the hole to 14,569' and Perforate Drill Pipe. Pull logging tools out of the hole.																																			
0.50	5: Cond. Mud & Circ			Break Circulation. Lay out Side Entry Sub																																			
5.00	5: Cond. Mud & Circ			Circulate through perfs dropping plugs to open up lower perf holes while working stuck pipe.																																			
0.50	5: Cond. Mud & Circ			At Free point weight we kicked in rotary, while letting torque out string broke free and was rotating pipe and circulating, while working pipe up and letting torque fall off we lost 40k of the hook load, 13k torque and 300 psi.																																			
4.75	3: Washing/Reaming			Pump out of the hole back up in the casing.																																			
1.50	5: Cond. Mud & Circ			Circulate 1.1 Bottoms up. Start Slipping and Cutting drilling line.																																			
0.50	9 Cut Drig Line			Finish Cutting Drilling line.																																			
0.25	5 Cond. Mud & Circ			Pump 15 bbl slug.																																			
0.50	22: Well Control			Remove Rotating head and install Trip Nipple.																																			
5.00	6: Tripping			Trip out of the hole.																																			



Ameredev LLC																	Report # 121						
Morning Drilling Report																							
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE									
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Fri, April 23, 2021									
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS	
		12/27/2020		117										16,135		16,135		0		0		0	
Current Operation:				Picking up Fishing Assembly				Next 24 Hours:				Trip in hole and retrieve fish											
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size							
Surface	24			1,383	1,383											26							
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	Halcem	410	14.80000	1.33000	0	635 / 410	22							
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12.375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2							
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4							
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI											
Barnet				2,799	3,279	4,139	90	30	30														
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF									
5.0	6.500	299.2363156	471	134	1.10					13,235		13.2		1,170									
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE			SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE						
3.52	5.5			12	82	5.5			12	82				577	3,900								
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT							
11.5	11.5	57.0	57.0	19.0	11.0	11.0	24.0	5.0	226522.0	0.0	1.0	18.6	6.8	0.0	0.0	0.0							
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM												
				62000.00	0.00	60.60	18.30	3.35	4.53	547.00	0.00												
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
46		8 1/2	Varel	HE37MRSV	1628046	20	20	20	0	0	0	0	0	0	0	0.9204							
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
1/0/1900 0:00	1/0/1900 0:00	0	0	0.00	0.00	0.00																	
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
47		8 1/2	Uterra	U713M	54899	16	16	16	16	16	16	16	0	0	0	1.3744							
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
		0	0	0.00	0.00																		
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER							
0				1,810																			
FUEL ON HAND				6,394				TOTAL FUEL USED				DAILY SOLIDS				OWNER							
				340				AVG. DRAG				0				DAILY BBLs							
PICKUP WT.				306				MAX. DRAG				TOTAL SOLIDS				0							
ROTATING WT.								TQ. ON BTM				DAILY DISPOSAL COSTS				CUM BBLs							
285								17,000				DAILY LIQUIDS				0							
BHA HOURS				12				TQ. OFF BTM				TOTAL LIQUIDS				0							
				10,000				Pac-R															
HOURS				TIME CODE													CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )						
0.25				27: Other																			
0.75				8: Rig Repair																			
0.50				7: Lubricate Rig																			
6.50				6: Tripping																			
0.50				22: Well Control																			
3.50				3: Washing/Reaming																			
0.25				27: Other																			
2.50				3: Washing/Reaming																			
2.75				3: Washing/Reaming																			
0.50				22: Well Control																			
5.50				6: Tripping																			
0.50				19: Fishing																			



Ameredev LLC																				Report # 122				
Morning Drilling Report																								
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE										
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Sat, April 24, 2021										
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS		
		12/27/2020		118										16,135		16,135		0		0		0		
Current Operation:				Washing Down to TOF @ 14631'						Next 24 Hours:						Wash Down to TOF, Retrieve Fish								
Type	Casing Specs			Top TMD		Btm TMD		ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size						
Surface	24			1,383		1,383												26						
Intermediate	20" N-80 133# BTC			0		3,412		NeoCem	635,000	11	3	HalCem	410		14.80000	1.33000	0	635 / 410	22					
Intermediate	13.625" O-125 88.2# BTC			0		7,150		12.375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2						
Intermediate	9.625" L-80 47# BTC			0		13,235		8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4						
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI												
Bamet				2,799	3,279	4,139	90		30		30													
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.				COST/FT. 24 HRS.				COST/FT. (OA)				LAST SHOE TVD				FRAC GRADIENT MW		MAX. ALLOWABLE SICF	
5.0	6.500	299.2363156	471	134	1.10												13,235				13.2		1,170	
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE			SPM #2	GPS #3	LINER X STROKE			SPM #3	GPM	PUMPS		PUMP PRESSURE						
3.52	5.5			12	82	5.5			12	82					577			3,900						
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT								
11.5	57.0	57.0	57.0	19.0	11.0	11.0	24.0	5.0	226522.0	0.0	1.0	18.6	6.8	0.0	0.0	0.0								
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM													
				62000.00	0.00	60.60	18.30	3.35	4.53	547.00	0.00													
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA								
46		8 1/2	Varel	HE37MRSV	1628046	20	20	20	0	0	0	0	0	0	0	0.9204								
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON								
1/0/1900 0:00	1/0/1900 0:00	0	0	0.00	0.00	0		0	1	2	BT	M	E	I	WT	See Off Production log								
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA								
47		8 1/2	Uterra	U713M	54899	16	16	16	16	16	16	16	0	0	0	1.3744								
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON								
		0	0	0.00	0.00			0																
FUEL DELIVERED				6,290		FUEL USED TODAY				861		MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER				
FUEL ON HAND				11,823		TOTAL FUEL USED				168 365		Gel	Mica	ABQ	DAILY SOLIDS				0	OWNER				
PICKUP WT.	340			AVG. DRAG		15		Poly Plus		Quick Thir		PolyPac UI		TOTAL SOLIDS				0	DAILY BBLs	0				
ROTATING WT.	306			MAX. DRAG		18		Caustic		Soda Ash		Galex		DAILY DISPOSAL COSTS					CUM BBLs	0				
SLACKOFF WT.	285			TQ. ON BITM		17,000		Bar		Lime		Tackle		DAILY LIQUIDS				0						
BHA HOURS	12			TQ. OFF BITM		10,000		Pac-R		Alum Ster		Cost		TOTAL LIQUIDS				0						
HOURS				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																				
0.25	27: Other			Safety Meeting/Crew Handover.																				
7.50	6: Tripping			Trip in the hole with Fishing Tools to 13,225'.																				
0.50	22: Well Control			Install Rotating Head.																				
3.75	3: Washing/Reaming			Wash down form 13,225' to 14,441' @ 150 gpm.																				
0.25	27: Other			Safety Meeting/Crew Handover.																				
11.75	3: Washing/Reaming			Wash down form 14,441' to 14631' @ 150 gpm.																				
				</																				



## Report # 129

WELL NAME				AFE #	STATE WELL ID #	API #	OBJECTIVE			DATE							
INDEPENDENCE AGI #1					0	30-025-48081	DRILLING			Sun, April 25, 2021							
DRLG CONTRACTOR		SPUD DATE	DAYS	Daily Cost	Cum Cost	AFE Cum Cost	Perc of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS					
		12/27/2020	119					16,135	16,135	0	0	0					
Current Operation:				Washing Down to TOF with Mill @ 15 FPM			Next 24 Hours:			Wash Down to TOF, Dress off 5' of fish, clean hole, TOOH for fishing tools							
Type		Casing Specs		Top TMD	Botn TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size	
Surface		24		1,383	1,383												
Intermediate		20" N-80 133# BTC		0	3,412	NeoCem	635.000	11	3	HalCem	410	34.80000	1.33000	0	635 / 410	26	
Intermediate		13.625" O-125 88.2# BTC		0	7,150	12.375	12.219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	311# 9/535# 35	/	17 1/2	
Intermediate		9.625" L-80 47# BTC		0	13,235	8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4	
FORMATION				BG6	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI					
Barnet				2,799	3,279	4,139	30		30		30						
DP SIZE		DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT. 24 HRS.	COST/FT. (OA)	LAST SHOE TVD	FRAC GRADIENT MW	MAX. ALLOWABLE SICP						
5.0		6.500	299.2363156	471	134	1.10			13,235	13.2	1,170						
GPS #1		LINER X STROKE	SPM #1	GPS #2	LINER X STROKE	SPM #2	GPS #3	LINER X STROKE	SPM #3	GPM	PUMPS	PUMP PRESSURE					
3.52		5.5	12	82	3.52	5.5	12	82	577		3,900						
MW IN		MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT
11.5		11.5	57.0	57.0	19.0	11.0	11.0	24.0	18.30	0-W	LIME	ES	LCM	0.00		0.0	0.0
PH		PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM	0.00				
62000.00		0.00	60.60	18.30	0-W	LIME	ES	LCM	0.00								
PREV BIT #		Re-Run	SIZE	MFGR	TYPE	SERIAL	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA
46			8 1/2	Varel	HE37MRSV	1628046	20	20	20	0	0	0	0	0	0	0	0.9204
START FT		END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC	BEARING	GAUGE	OTHER	REASON
110/1900 0:00		1/0/1900 0:00	0	0	0.00	0.00	0	0	0	1	2	BT	M	E	I	WT	None Of Production Loss
CUR. BIT #		Re-Run	SIZE	MFGR	TYPE	SERIAL	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA
47			8 1/2	Utterra	U713M	54899	16	16	16	16	16	16	16	0	0	0	1.3744
START FT		LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC	BEARING	GAUGE	OTHER	REASON
			0	0	0.00	0.00			0								
FUEL DELIVERED					FUEL USED TODAY	844	MUD ADDITIVES IN LAST 24 HOURS					SOIL FARMING / MUD DISPOSAL			FRESH WATER		
FUEL ON HAND				10,979	TOTAL FUEL USED	165,209	Gel		Mica		ABO		DAILY SOLIDS	0	OWNER		
PICKUP WT.				340	AVG. DRAG	15	Poly Plus		Quick Thin		PolyPac UI		TOTAL SOLIDS	0	DAILY BBLs	0	
ROTATING WT.				306	MAX. DRAG	18	Caustic		Soda Ash		Gellex		DAILY DISPOSAL COSTS		CUM BBLs	0	
SLACKOFF WT.				285	TQ. ON BTM	17,000	Bar		Lime		Tackle		DAILY LIQUIDS	0			
BHA HOURS				12	TQ OFF BTM	10,000	Pac-R		Alum Ster		Cost		TOTAL LIQUIDS	0			
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY (0600 HRS to 0600 HRS)													
0.25		27: Other		Safety Meeting/Crew Handover...													
5.00		3: Washing/Reaming		Wash down to 14,643' @ 150 gpm. Unable to wash down to the fish.													
2.50		3: Washing/Reaming		Back ream out of the hole to 13,184'.													
1.00		9: Cut Drig Line		Slip and Cut Drilling Line.													
0.50		6: Tripping		Remove Rotating Head, Install Trip Nipple.													
2.75		6: Tripping		Trip out of the hole to 6,348'.													
0.25		27: Other		Safety Meeting/Crew Handover...													
2.75		6: Tripping		Trip out of the hole and lay down Fishing Tools.													
0.50		7: Lubricate Rig		Rig Service.													
1.50		6: Tripping		Make up Mill Assm. Pick up 9 Collars off of Catwalk.													
6.00		6: Tripping		Trip in the hole to 13,200'.													
1.00		3: Washing/Reaming		Wash Down from 13233' 15' per min @ 400 gpm to 15799'													







## Report # 125

WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																			
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Tue, April 27, 2021																			
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS											
		12/27/2020		121										16,135		16,135		0		0		0											
Current Operation:				Running Wireline free point in hole				Next 24 Hours:				Run Wireline freepoint. L/D wireline tools. Formulate plan forward based on freepoint logs																					
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size					
Surface		24		1,383		1,383																						26					
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635.000		11		3		halCem		410		34.80000		1.33000		0		635 / 410		22					
Intermediate		13.625" Q-125 88.2# BTC		0		7,150		12.375		12.219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		311# 9/535# 35		/		17 1/2					
Intermediate		9.625" I-80 47# BTC		0		13,235		8.681		8.525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000		/		12 1/4							
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI													
Barnet				2,799		3,279		4,139		30		30		30		30		30		30													
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT..24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF													
5.0		6.500		299.2363156		471		134		1.10						13,235		13.2		1,170													
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE											
3.52		5.5		12		82		3.52		5.5		12		82		577				3,900													
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT	
11.5		11.5		57.0		57.0		19.0		11.0		11.0		24.0		5.0		226522.0		0.0		1.0		18.6		6.8		0.0		0.0		0.0	
PH		PM		PF		MF		OHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM											
								62000.00		0.00		60.60		18.30		3.35		4.53		547.00		0.00											
PREV BIT #		Re-Run		SIZE		MFGR-		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
45				8 1/2		Varel		HE37MRSV		1628046		20		20		20		0		0		0		0		0		0		0		0.9204	
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DJULL		LOC.		BEARING		GAUGE		OTHER		REASON	
1/0/1900 0:00				1/0/1900 0:00				0.00		0.00		0						1		2		BT		M		E		I		WT		None Other Production Issue	
CUR. BIT #		Re-Run		SIZE		MFGR-		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
47				8 1/2		Ultrerra		U713M		54899		16		16		16		16		16		16		16		0		0		0		1.3744	
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
				0		0		0.00		0.00						0																	
FUEL DELIVERED				FUEL USED TODAY				845				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER													
FUEL ON HAND				9,048				TOTAL FUEL USED				171,140				Gel				Mica				ABO									
PICKUP WT.				340				AVG. DRAG				15				Poly Plus				Quick Thin				PolyPac UI									
ROTATING WT.				306				MAX. DRAG				18				Caustic				Soda Ash				Gelex									
SLACKOFF WT.				285				TQ ON BTM				17,000				Bar				Lime				Tackle									
BHA HOURS				12				TQ OFF BTM				10,000				Pac-R				Alum Ster				Cost									
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																									
1.00				6: Tripping				Trip out of Break bit and bit sub																									
7.00				6: Tripping				P/u Jar,Overshot Trip in hole to Shoe																									
1.00				9: Cut Drlg Line				Slip and cut Drilling line																									
3.00				3: Washing/Reaming				Wash down to 14,642' @ 100 gpm.																									
0.25				27: Other				Safety Meeting/Crew Handover.																									
2.75				3: Washing/Reaming				Wash down over fish to 14,660'																									
5.00				19: Fishing				Work pipe trying to free fish, Unable to work fish free.																									
2.50				11: Wireline Logging				M/U side entry sub and Rig up wireline to run free point and COL																									
1.50				11: Wireline Logging				TIH with wireline free point @ 160 ft/min.																									



## Report # 126

#	API #
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### Cost Input



Ameredev LLC																		Report # 127																			
Morning Drilling Report																																					
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																							
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Thu, April 29, 2021																							
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS															
		12/27/2020		123										16,135		16,135		0		0		0															
Current Operation:				Wash and ream down @ 16040'				Next 24 Hours:				h and ream down to 16132', Circ., Backream out to shoe, Circ. 6/U, POOH, L/D BHA, R/U and run open hole																									
Type	Casing Specs			Top TMD		Btm TMD		ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size																			
Surface	24			1,383		1,383												26																			
Intermediate	20" N-80 133# BTC			0		3,412		NeoCem	635,000	11	3	HalCem	410		14.80000	1.33000	0	635 / 410		22																	
Intermediate	13.625" O-125 88.2# BTC			0		7,150		12.375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2		17 1/2																	
Intermediate	9.625" L-80 47# BTC			0		13,235		8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4		12 1/4																	
FORMATION				BGG		CG		TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI																							
Barnet				2,799		3,279		4,139	30		30		30																								
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.				COST/FT. 24 HRS.				COST/FT. (OA)				LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP																
5.0	6.500	299.2363156	471	248	3.67												13,235		13.2		1,300																
GPS #1	LINER X STROKE			SPM #1	GPS #2				LINER X STROKE				SPM #2	GPS #3	LINER X STROKE				SPM #3	GPM	PUMPS		PUMP PRESSURE														
3.52	5.5			12	82				5.5				12	82					577		3,900																
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec		Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT																				
11.3	11.3	52.0	52.0	14.0	8.0	8.0		16.0	4.0	370935.0	0.0	1.0	17.3	8.2	0.0	0.0	0.0																				
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL		WATER	O-W	LIME	ES	LCM																									
				46000.00	0.00	64.20		16.40	80-20	4.53	631.00	0.00																									
PREV BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA																					
47		8 1/2	Ultrava	U713M	54899	16	16	16	16	16	16	16	16	0	0	1.3744																					
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON																					
1/0/1900 0:00	1/0/1900 0:00	0	0	0.00	0.00	0		0	1	1						Left In Hole																					
CUR. BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA																					
48	R	8 1/2	Taurex	HF 37	1814981	18	18	18	0	0	0	0	0	0	0	0.7455																					
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON																					
		0	0	0.00	0.00			0																													
FUEL DELIVERED				0				FUEL USED TODAY				1,327				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER													
FUEL ON HAND				6,997				TOTAL FUEL USED				173.191				Gel				ABO				DAILY SOLIDS				0		OWNER							
PICKUP WT.				340				AVG. DRAG				15				Poly Plus				Quick Thin				PolyPac Ul				TOTAL SOLIDS				0		DAILY BBLs		0	
ROTATING WT.				306				MAX. DRAG				18				Caustic				Soda Ash				Gelex				DAILY DISPOSAL COSTS				CUM BBLs		0			
SLACKOFF WT.				285				TQ. ON BTM				17,000				Bar				Lime				Tackle				DAILY LIQUIDS				0					
BHA HOURS				12				TQ. OFF BTM				10,000				Pac-R				Alum Ster				Cost				TOTAL LIQUIDS				0					
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																																	
3.50		19: Fishing		L/D HWDP and 6 3/4" drill Collars. L/D BHA (All fish components accounted for and out of hole). NMDC with MWD completely packed off with shale cuttings. Unable to pull MWD tool out of collar. Bit and Motor looked good.																																	
1.50		6: Tripping		P/U Clean out BHA # 52 with 8 1/2" mill tooth bit. bit sub with float and 8 1/2" Smooth Bore RMR assembly.																																	
5.00		6: Tripping		T/H F/ 539' T/ 13235'. Filling pipe every 50 stds run and monitoring displacement. Hole giving proper displacement.																																	
0.75		22: Well Control		Install RCD element, observe well static.																																	
0.75		9: Cut Drlg Line		Slip & cut drilling line.																																	
8.00		3: Washing/Reaming		Wash and ream with 8 1/2" bit from 13410 ft to 15400 ft with 727 gpm, 4616 psi, 100 rpm 10k ft/lbs torque. Observe 20 ft flame on B/U gas with 11.3 ppg OBM.																																	
3.25		3: Washing/Reaming		Continue wash down from 15400 ft to 15900 ft with 711 gpm, 4570 psi, 40 rpm & 9k ft/lbs torque, 11.3 ppg OBM.																																	
1.25		3: Washing/Reaming		Wash and ream down with 8 1/2" bit from 15900 ft to 16040 ft with 711 gpm, 4568 psi, 100 rpm 10k-11k ft/lbs torque.																																	
</																																					



Ameredev LLC																	Report # 128	
Morning Drilling Report																		
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE				
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Fri, April 30, 2021				
DRLG CONTRACTOR		SPUD DATE	DAYS	Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD	TVD	DAILY FT	FT/HR	ROT HRS		
		12/27/2020	124									16,135	16,135	0	0	0		
Current Operation				TIH to 3,445' with drill pipe from derrick				Next 24 Hours		POOH laying down drill pipe, Test BOP, R/U 4" Drill pipe, R/U and run wireline logs.								
Type	Casing Specs			Top TMD	Blm TMD	ID	Drift	Burst	Collapse	Yield	Int Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size		
Surface	24			1,383	1,383											26		
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635.000	11	3	Halcem	410	14.80000	1.33000	0	635 / 410	22		
Intermediate	13.625" Q-125 88.2# BTC			0	7,150	12.375	12.219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5250.35	/	17 1/2		
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4		
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI						
Barnet				2,799	3,279	4,139	30	30	30	30	30	30						
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.			COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP		
5.0	6.500	299,2363156	471	248	3.64							13,235		13.2		1,376		
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE		
3.52	5.5			82	3.52	5.5		82					577			3,900		
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT		
11.2	11.2	49.0	49.0	15.0	8.0	9.0	13.0	6.0	395334.0	0.0	1.0	18.0	6.3	0.0	0.0	0.0		
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O W	LIME	ES	LCM							
				45000.00	0.00	66.00	16.00	80-20	3.11	674.00	0.00							
PREV BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA		
47		8 1/2	Ultrerra	U713M	54899	16	16	16	16	16	16	16	16	16	16	1,3744		
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON		
1/0/1900 0.00	1/0/1900 0.00	0	0	0.00	0.00	0	0	0	1	1	WT	G	X	I	WT	Left In Hole		
CUR. BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA		
48	R	8 1/2	Taurex	HF 37	1814981	18	18	18	0	0	0	0	0	0	0	0.7455		
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON		
		0	0	0.00	0.00			0										
FUEL DELIVERED				7,213	FUEL USED TODAY		2,869	MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL			FRESH WATER			
FUEL ON HAND				11,341	TOTAL FUEL USED		176,060	Gel		Mica	ABO	DAILY SOLIDS			0	OWNER		
PICKUP WT.				340	AVG. DRAG		15	Poly Plus		Quick Thin	PolyPac UI	TOTAL SOLIDS			0	DAILY BBLs		
ROTATING WT.				306	MAX. DRAG		18	Caustic		Soda Ash	Gelex	DAILY DISPOSAL COSTS				CUM BBLs		
SLACKOFF WT.				285	TQ. ON BTM		0	Bar		Lime	Tackle	DAILY LIQUIDS			0			
BHA HOURS				12	TQ OFF BTM		10,000	Pac-R		Alum Ster	Cost	TOTAL LIQUIDS			0			
HOURS				TIME CODE			CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )											
1.50	3: Washing/Reaming			Wash and ream down with 8 1/2" bit from 16040 ft to 16135 ft with 711 GPM, 4560 psi, 100 rpm, 10k-11k ft/lbs torque.														
0.50	5: Cond. Mud & Circ			Circulate while reciprocating pipe with 711 GPM, 4500 psi, 100 rpm, 10k-11k ft/lbs torque.														
5.50	3: Washing/Reaming			Backream out of hole from 16135 ft to 13235 ft with 550 GPM														
1.00	5: Cond. Mud & Circ			Circulate bottoms up at casing shoe. Minimal cuttings across shakers on bottoms up.														
0.25	6: Tripping			POOH from 13235 ft to 12874 ft laying down drill pipe and monitoring displacement on trip tank. Hole taking proper fill.														
0.75	8: Rig Repair			Backream out of hole from 16135 ft to 13235 ft with 550 GPM														
7.25	6: Tripping			Continue POOH with 8 1/2" bit and Smooth bore RMR assembly from 12874 ft to 6307 ft laying down drill pipe and monitoring displacement on trip tank. Hole taking proper fill with 11.1 ppg OBM.														
0.50	22: Well Control			Flow check, observe well static. Service rig.														
5.50	6: Tripping			POOH from 6307 ft to 634' laying down drill pipe and monitoring displacement on trip tank. Hole taking proper fill with 11.1 ppg OBM. Inclimate weather slowed trip speed.														
1.25	6: Tripping			TIH with 5" drill pipe from derrick to lay down from 634' to 3445' to lay down														







Ameredev LLC																	Report # 130												
Morning Drilling Report																													
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE															
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Sun, May 2, 2021															
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS									
		12/27/2020		126								16,135		16,135		0		0		0									
Current Operation:				TIH with sidewall coring assembly.				Next 24 Hours:				TIH with sidewall coring assembly, Core, POOH, L/D sidewall coring BHA, R/D wireline, P/U 4" drill pipe.																	
Type	Casing Specs			Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size	
Surface	24			1,383		1,383																						26	
Intermediate	20" N-80 133# BTC			0		3,412		NeoCem		635,000		11		3		HalCem		410		14.80000		1.33000		0		635 / 410		22	
Intermediate	13.625" O-125 88.2# BTC			0		7,150		12.375		12,219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118.9/5350.35		/		17 1/2	
Intermediate	9.625" L-80 47# BTC			0		13,235		8.681		8,525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000		/		12 1/4			
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI									
Barnet				2,799		3,279		4,139		30				30				13,235		13.2		MAX. ALLOWABLE SICF 1,376							
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.				COST/FT. (OA)				LAST SHOE TVD.				FRAC GRADIENT MW									
5.0	6.500	299.2363156	471	248		3.64																							
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE			SPM #2	GPS #3	LINER X STROKE			SPM #3	GPM	PUMPS		PUMP PRESSURE											
3.52	5.5 12			82	3.52	5.5 12			82		5.5 12			577		3,900													
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT													
11.2	11.2	52.0	52.0	14.0	10.0	8.0	12.0	6.0	402993.0	0.0	1.0	18.0	6.3	0.0	0.0	0.0													
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM																		
				46000.00	0.00	66.00	16.00	80-20	3.63	644.00	0.00																		
PREV BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA													
47		8 1/2	Ultrava	U713M	54899	16	16	16	16	16	16	16	16	0	0	1.3744													
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON													
1/0/1900 0:00	1/0/1900 0:00	0	0	0.00	0.00	0	0	0	1	1	WT	A	X	I	WT	Casing Point													
CUR. BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA													
48	R	8 1/2	Taurex	HF 37	1814981	18	18	18	0	0	0	0	0	0	0	0.7455													
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON													
		0	0	0.00	0.00			0	1	1	WT	A	1	I	WT	Casing Point													
FUEL DELIVERED				0				FUEL USED TODAY				241				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
FUEL ON HAND				10,496				TOTAL FUEL USED				176.905				Gel				Mica				ABQ					
PICKUP WT.				0				AVG. DRAG				0				Poly Plus				Quick Thin				PolyPac UI					
ROTATING WT.				0				MAX. DRAG				0				Caustic				Soda Ash				Gelox					
SLACKOFF WT.				0				TQ. ON BTM				0				Bar				Lime				Tackle					
BHA HOURS				0				TQ. OFF BTM				0				Pac-R				Alum Ster				Cost					
CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																													
HOURS				TIME CODE																									
2.00				11: Wireline Logging				Pull wireline logging tools run #1 (AIT-OBMI-GPIT-PPC-MSIP-PPC), out of hole to surface and lay down.																					
2.50				11: Wireline Logging				M/U Schlumberger tools run #2																					
6.50				11: Wireline Logging				Schlumberger calibrate tools and below rotary table with Run #2. (BNS-STD, NEXT-C, HDRS-H, HGNS-H, HWGC-B, HNGS-BA, CMRT-B, EDTC-B, LEH-QT), malfunction, lost communication, pull Run 2 to surface.																					
2.00				11: Wireline Logging				Observe damaged Schlumberger wireline cable, cut 150 ft and re-install head.																					
2.00				11: Wireline Logging				Inspect tools, prepare Run #3, HNGS-HNGS-TLD.																					
6.00				11: Wireline Logging				Run Log #3, HNGS-HNGS-TLD. Observe well static. Run #3 at surface.																					
1.25				11: Wireline Logging				L/D #3 toolstring. Prepare XL Rock assembly.																					
1.75				11: Wireline Logging				P/U XL Rock assembly (Side wall coring bit, MSCT-E, EDTC-B, MCIM-A, LEH-QT) and run in hole.																					



Ameredev LLC																				Report # 131													
Morning Drilling Report																																	
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																			
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Mon, May 3, 2021																			
DR/LG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS											
		12/27/2020		127										16,135		16,135		0		0		0											
Current Operation				P/U 4" Drill pipe and rack back in derrick						Next 24 Hours		P/U drill pipe, slip and cut drill line, R/U and Run 7" Casing																					
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SVS Cmt		Hole Size					
Surface		24		1,383		1,383																						26					
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		HalCem		410		14,80000		1,33000		0		635 / 410		22					
Intermediate		13.625" Q-125 88.2# BTC		0		7,150		12.375		12,219		10,030		4,800		3,191				0.349 bbls/ft		1,051.00000		3118.9/3350.35		/		17 1/2					
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8,525		6,870		5,740		1,085		1,122		0.073 bbls/ft		963.00000						12 1/4					
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI													
Darnet				2,799		3,279		4,139		30		30		30		30		30		30													
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQL IN BIT DIA		COST/FT. 24 HRS		COST/FT. [OA]		LAST SHOE TVD		FRAC GRADIENT MW		MAX ALLOWABLE SICP													
5.0		6.500		299.2363156		471		248		3.64						13,235		13.2		1,376													
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE											
3.52		5.5		12		82		3.52		5.5		12		82		577						3,900											
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel -10 Sec		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT			
11.2		11.2		54.0		54.0		15.0		18.0		8.0		12.0		6.0		0.0		1.0		18.0		6.3		0.0		0.0		0.0			
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O W		LIME		ES		LCM											
								44000.00		0.00		66.00		16.00		80-20		3.24		671.00		0.00											
PREV BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
47				8 1/2		Ulterra		U713M		54899		16		16		16		16		16		16		16		0		0		0		1,3744	
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
1/0/1900 0:00		1/0/1900 0:00		0		0		0.00		0.00		0		0		0		1		1		WT		A		X		I		WT		Casing Point	
CURL BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
48		R		8 1/2		Taurix		HF 37		1814981		18		18		18		0		0		0		0		0		0		0		0.7455	
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
				0		0		0.00		0.00		0		0		0		1		1		WT		A		I		WT		Casing Point			
FUEL DELIVERED					0		FUEL USED TODAY		483		MUD ADDITIVES IN LAST 24 HOURS					SOIL FARMING / MUD DISPOSAL					FRESH WATER												
FUEL ON HAND					10,013		TOTAL FUEL USED		177,388		Gel		Mica		ABO						DAILY SOLIDS		0		OWNER								
PICKUP WT.					0		AVG. DRAG		0		Poly Plus		Quick Thin		PolyPac Uil						TOTAL SOLIDS		0		DAILY BBLs		0						
ROTATING WT.					0		MAX. DRAG		0		Caustic		Soda Ash		Galex						DAILY DISPOSAL COSTS		0		CUM BBLs		0						
SLACKOFF WT.					0		TQ. ON BTM		0		Bar		Lime		Tackle						DAILY LIQUIDS		0										
BHA HOURS					0		TQ OFF BTM		0		Pac-R		Alum Ster		Cost						TOTAL LIQUIDS		0										
HOURS				TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																											
9.00				11: Wireline Logging		Run in hole with Sidewall coring BHA down to 16, 107', Correlate Gamma to previous logs. Pull Side wall cores at following depths as per Geology 16075', 16041', 16025', 15980', 15955', 15934', 15913', 15880', 15844', 15810', 15760', 15730'. Pull to surface.																											
1.00				11: Wireline Logging		L/D tool string, recover cores and rig down Schlumberger wireline equipment. Notify Mr Paul Kautz at 16 00 hrs of the NMOOC verbally of Ameredev intent to run 7" casing once we receive authorization from pending C103, also submit email stating same.																											
4.75				27: Other		Rig crew change out Top Drive Wash pipe. Conduct maintenance on Top Drive Gorre track drag train. Change out saver sub to 4 1/2" IF. Prepare rig floor to pick up 4" Drill Pipe. Measure 4" Drill pipe and stage on pipe racks. Observe well static.																											
9.25				6: Tripping		Drift 4" Platinum 148 S-135 drill pipe XT-39 connections, M/U and rack back in derrick, use safety clamp on each joint. Del's Service cleaned the 7" VA Roughneck threads.																											



## Report # 132

UL ID #	API #

Current Operation:		P/U 4" Drill pipe and rack back in derrick				Next 24 Hours:		P/U 4" DP, HWDP, and Drill collars. R/U and run 7" casing.						
Type	Casing Specs	Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size
Surface	24	1,383	1,383											26
Intermediate	20" N-80 133# BTC	0	3,412	NeoCem	635.0000	11	3	HaICem	410	14.8000	1.33000	0	635 / 410	22
Intermediate	13.625" 0-125 88.2# BTC	0	7,150	12.375	12.219	10.030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2
Intermediate	9.625" 0-180 47# BTC	0	13,235	8.681	8.525	6.870	5,740	1,086	1,122	0.073 bbls/ft	963.00000			12 1/4

FORMATION	BGG	CG	IG	#1 STRS	#1 CHR PSI	#1 STRS	#1 CHR PSI	#1 STRS	#1 CHR PSI
Barnet	2,799	3,279	4,139	30		30		30	

GPS #1	LINER X STROKE	SPM #1	GPS #2	LINER X STROKE	SPM #2	GPS #3	LINER X STROKE	SPM #3	GPM	PUMPS	PUMP PRESSURE
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11.2	11.2	58.0	58.0	15.0	9.0	8.0	12.0	6.0	402993.0	0.0	1.0	18.0	6.3	0.0	0.0	0.0
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PREV BIT #	Re-Run	SIZE	MFR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA
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1/0/1900 0:00	1/0/1900 0:00	0	0	0.00	0.00	0	0	1	1	WT	A	X	I	WT	Casing Point
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START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON
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FUEL ON HAND	9,410	TOTAL FUEL USED	177,991	Gel	Mica	ABO	DAILY SOLIDS	0	OWNER
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SLACKOFF WT.	0	TQ. ON BTM	0	Bar	Line	Tackle	DAILY LIQUIDS	0
DAILY LIQUIDS	0	TQ. OFF BTM	0	Bar	Line	Tackle	TOTAL LIQUIDS	0

24.00	6: Tripping	Drift 4" Platinum 14# 5-135 drill pipe XT-39 connections, M/U and rack back in derrick, use safety clamp on each joint.
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24/00	No Accidents, Sniffs or Inspections to report
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1	8.5" Taurex Mill Tooth	1.00	1: MIRU/RDMO	0.00	81.00						
1	Bit sub with float valve	3.87	2: Drilling	0.00	485.25	Denth	Dev	Azi	TVD	VS	DLS

1	8 1/2" Smooth Bore RMR	9.63	4: Lost Circulation	0.00	13.75	12,264	1.42	101	12,259	-112.99	0.14
3	6 3/4" DC	93.12	5: Cond. Mud & Circ	0.00	202.00	12,359	1.35	95	12,354	-114.77	0.16

9	6 3/4" DCs	276.82	7: Lubricate Rig	0.00	25.00	12,548	1.44	89	12,543	-117.99	0.06
1	5" HWDP	30.27	8: Rig Repair	0.00	54.50	12,642	1.63	83	12,637	-119.57	0.28

		10: Deviation Survey	0.00	0.50	12,831	2.11	85	12,826	-123.20	0.27
		11: Wireline Logging	0.00	161.25	12,926	2.15	86	12,921	-125.40	0.07

			13: Cement Casing	0.00	48.25	13,115	2.60	82	13,110	-130.00	0.34
			14: Wait On Cement	0.00	20.00	13,238	3.28	81	13,233	-133.59	0.55

			16: Test BOP's	0.00	40.25	13,410	4.17	84	13,404	-140.14	0.66
			17: Plug Back	0.00	0.00	13,504	2.55	94	13,498	-143.74	1.81

			19: Fishing	0.00	73.75	13,874	2.80	91	13,668	-149.32	0.14
			20: Directional Work	0.00	44.25	13,783	3.12	81	13,777	-152.68	0.82

			22: Well Control	0.00	205.75	13,372	3.17	00	13,303	-133.27	0.34
			23: Waiting-Orders/Equip	0.00	19.00	Planned VS = feet @ azimuth					

JOINTS	DP ITEM	OD	#/FT	GRADE	LENGTH	26: Regulatory	0.00	54.50	NIGHT DRILLING FOREMAN	CELL PHONE NUMBER
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					Ed. Other	0.00	2.50	AMERSEY PERSONNEL	
					29: Other	0.00	2.50	DRILLING SUPERINTENDENT	JT Wilkerson

				Total Depth	16135.00	TOTALS	24.00	3145.00	NIGHT CONTROL ROOM SUP	Andy Slusarchuk
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Cost Input

8500	0.094	SUPERVISION / CONTRACT	David Pope/Marcus Jenkins	Rusco Operating LLC	1.0	Yes
8500	0.094	SUPERVISION / CONTRACT	Chris Huff / Andy Stusarchuk	Rusco Operating LLC	1.0	Yes

8500	0.024	SURFACE RENTALS	Internet & Intercoms	versat Communications USA	1.0	Yes
8500	0.024	SURFACE RENTALS	Forklift \$150/day	Boland Field Services LLC	1.0	Yes

8500	0.024	SURFACE RENTALS	4 Sets of pipe bolsters	Divine Energy Services Inc	1.0	Yes
8500	0.024	SURFACE RENTALS	4 Sets of pipe racks	Divine Energy Services Inc	1.0	Yes

8500	0.01	DRILLING RIG	Citadel Rig #3 (OBM Pay)	Citadel Drilling	1.0	Yes
8500	0.024	SURFACE RENTALS	1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank	Johnso Specialty Tools LLC	1.0	Yes

8500	0.124	EYE AND EMERGENCY RESP	H2S Compliance Package	American Safety Services, Inc	1.0	Yes
8500	0.066	DS CONTROL EQUIP / SERV	Solid Control Equipment and Hands + OBM washgun \$25/day	KSW Oilfield Rental LLC	1.0	Yes

8500	0.048	LL CONTROL EQUIP / SERV	Rotating head & MWD	Opis	1.0	Yes
8500	0.06	D, ADDITIVES, AND CHEMIC	Mud additives & driveby mud check (OBM)	NOVA Mud	1.0	Yes

8500	0.024	SURFACE RENTALS	500 bbl pre-mix tank (\$450/day)	McGraw Drilling Fluids Inc.	1.0	Yes
8500	0.03	DOWNHOLE RENTALS	Smooth bore Reamer	Stabil Drill	1.0	Yes

8500	0.328	VACUUM TRUCK	Vac trucks to haul trash mud to disposal	R&M Trucking and Backhoe	1.0	No
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8500						\$	-	
						\$	-	

						\$	
8500						\$	

8500							\$ -	
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8500							\$ -	
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8500						\$ -	
9999							

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## Report #: 133

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WELL NAME				AFE #	STATE WELL ID #	API #	OBJECTIVE	DATE																			
INDEPENDENCE AGI #1				0	0	30-025-48081	DRILLING	Wed, May 5, 2021																			
DRLLG CONTRACTOR				SPUD DATE	DAYS	Daily Cost	Cum Cost	AFE Cum Cost	Perc of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS													
				12/27/2020	129					16,135	16,135	0	0	0													
Current Operation				Running 7" casing in hole @ 3800'				Next 24 Hours				Run 7" casing to 13,233'				Wash casing to set point @ 16,130'											
Type		Casing Specs		Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	S/S Cmt	Hole Size											
Surface		24		1,383	1,383											26											
Intermediate		20" N-80 133# BTC		0	3,412	NeoCem	635,000	11	3	HalCem	410	14,80000	1,38000	0	635 / 410	22											
Intermediate		13.625" Q-125 88.2# BTC		0	7,150	12.375	12,219	10,030	4,800	3,191		0.349 bbls/ft	1,051.00000	3118.9/5380.35	/	17 1/2											
Intermediate		9.625" L-80 47# BTC		0	13,235	8.681	8,525	6,670	5,740	1,085	1,122	0.073 bbls/ft	963.00000		/	12 1/4											
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI															
Barnet				2,799	3,279	4,139	30	82	30	82	30	82	30														
DP SIZE		DC SIZE		OP AV		DC AV		JET VELOCITY		HHF/SQ.IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (QA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP							
5.0		6.500		299.2363156		471		248		3.67						13,235		13.2		1,305							
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS							
3.52		5.5		12		82		3.52		5.5		12		82		577		3,900									
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP							
11.3		11.3		55.0		55.0		15.0		8.0				16		16		395334.0		0.0							
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O W		LIME		ES							
47		8 1/2		8 1/2		8 1/2		45000.00		0.00		66.00		16.00		80-20		3.37		664.00							
PREV BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5							
47		Re-Run		8 1/2		Ultterra		U713M		54895		16		16		16		16		16							
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER							
1/0/1900 0-00		1/0/1900 0-00		0		0		0.00		0.00		0		0		0		1		1							
CURR. BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5							
48		Re-Run		8 1/2		Tauxex		HF 37		1814981		18		18		18		0		0							
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER							
0		0		0		0		0.00		0.00		0		0		0		1		1							
FUEL DELIVERED				0				FUEL USED TODAY				603				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER			
FUEL ON HAND				8,807				TOTAL FUEL USED				178,594				Gel				Mica				ABO			
PICKUP WT.				0				AVG. DRAG				0				Poly Plus				Quick Thin				PolyPac Ul			
ROTATING WT.				0				MAX. DRAG				0				Caustic				Soda Ash				Gelen			
SLACKOFF WT.				0				TD. ON BTM				0				Bar				Lime				Tackle			
BHA HOURS				0				TQ OFF BTM				0				Pac-R				Alum Ster				Cost			
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																			
4.25				6: Tripping				Drift 4" Platinum 14# S-135 drill pipe XT-39 connections, M/U and rack back in derrick, total 161 stands, M/U and rack back 21 jts of 4" HWDP and 3 jts of 4 7/8" Drill collars and rack back in derrick.																			
5.00				12: Run Casing				P/S/A, R/U Quail casing equipment, C/O bails and elevators, CRT, Torque turn, REL inspecting and preping 7" VA Roughneck P-110 casing. Prep rig floor and catwalk to P/U CRA casing, M/U rotating head on jt of VA																			
2.75				12: Run Casing				Roughneck casing and lay down. Dead stick tongs on rotating head jt.																			
2.75				12: Run Casing				P/U Pin X Pin x-over upside down and make up coupling and then lay down. P/U CRA casing with straps and hoist lines and M/U reamer shoe.																			
2.25				12: Run Casing				M/U all CRA 7" #32, TOP HC, G3-110 casing to 304 ft, M/U float collar, install baffel.																			
0.50				7: Lubricate Rig				Repair catwalk curtain linkage. Observe well static.																			
2.00				12: Run Casing				Rig down CRA tongs, and related equipment. Pull rotary busing, install spider and hydraulic clips, rig up power tongs.																			
0.50				12: Run Casing				Fill casing, verify float, P/U fist joint of VA Roughneck 7" #32, HC P-110 casing, Halliburton rep install shut off baffle.																			
6.75				12: Run Casing				Continue running 7" casing with Quail casing crew, and REL thread inspection from 348 ft to 2601 ft, filling casing every 10 joints, observe correct displacement back to pits. P/U DV tool and ECP and verify pipe count to ensure set at right depth. Continue running 7" casing from 2627 ft to 3800'. Use fill up line to fill pipe on the fly and fill up every 30 jts ran.																			



Ameredev LLC																				Report # 134																							
Morning Drilling Report																																											
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																													
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Thu, May 6, 2021																													
DR/LG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS																					
		12/27/2020		130										16,135		16,135		0		0		0																					
Current Operation				Washing 7" casing down @ 14,529'						Near 24 Hours		Wash 7" casing to bottom, Circ, R/D casing crew, R/U and pump 2 stage cement job.																															
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size															
Surface		24		1,383		1,383																						26															
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		HalCem		410		14,00000		1,33000		0		635 / 410		22															
Intermediate		13.625" Q-125 88.2# BTC		0		7,150		12.375		12,219		10,030		4,800		3,191				0.349 bbls/ft		1,051.00000		3118.9/3350.35		/		17 1/2															
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8,525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000						12 1/4															
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI																							
Barnet				2,799		3,279		4,139		30		30		30		30		30		30																							
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHF/SQ IN BIT DIA		COST/FT. 24 HRS.		COST/FT. (QA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX ALLOWABLE SICP																							
5.0		6.500		299,2363156		471		248		3.67								13.235		1,308																							
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE																					
3.52		5.5		12		82		3.52		5.5		12		82		577		3,900																									
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT													
11.3		11.3		58.0		58.0		15.0		9.0		8.0		11.0		6.0		0.0		2.0		18.0		5.4		0.0		0.0		0.0													
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O W		LIME		LCM																							
								47000.00		0.00		66.00		16.00		80-20		3-11		614.00																							
PREV BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
47				8 1/2		Ulterra		U713M		54899		16		16		16		16		16		16		16		0		0		0		1.3744											
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
1/0/1900 0:00		1/0/1900 0:00		0		0		0.00		0.00		0		0		0		1		1		WT		A		X		I		WT		Casing Point											
CUR. BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
48				8 1/2		Taurux		HF 37		1814981		18		18		18		0		0		0		0		0		0		0		0.7455											
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
				0		0		0.00		0.00		0		0		0		1		1		WT		A		1		I		WT		Casing Point											
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS												SOIL FARMING / MUD DISPOSAL				FRESH WATER																			
0				0																																							
FUEL ON HAND				TOTAL FUEL USED				178,594				Gel				Mica				ABO				DAILY SOLIDS				0				OWNER											
8,807				0				0				Poly Plus				Quick Thin				PolyPac Uil				TOTAL SOLIDS				0				DAILY BBLs				0							
ROTATING WT.				0				MAX. DRAG				0				Caustic				Soda Ash				Galex				DAILY DISPOSAL COSTS				0				CUM BBLs				0			
SLACKOFF WT.				0				TQ ON BTM				0				Bar				Lime				Tackle				DAILY LIQUIDS				0											
BHA HOURS				0				TQ OFF BTM				0				Pac-R				Alum Ster				Cost				TOTAL LIQUIDS				0											
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY (0600 HRS TO 0600 HRS )																																			
15.75				12: Run Casing				Run 7" casing with Quail casing crew and REL thread inspection from 3800' to 13223', (9 5/8" shoe), filling on the fly and circulating casing every 40 ft. Monitoring displacement in pits. Well giving proper displacement.																																			
1.00				9: Cut Drig Line				Flow check observe well static. Slip & out drilling line. Close annular and circulate 230 gpm with returns through rig open chokes to poor boy deaerater back to shakers.																																			
1.75				5: Cond. Mud & Circ				Observe flare after 2200 strokes, (8/U at shoe 3593 strokes), progressively increasing to 30 ft flare, decrease circulation rate to 150 gpm and close choke to maintain 250 psi back pressure, max gas 30%. Continue circulating until flare out.																																			
0.25				22: Well Control				Shut in well and observe 118 psi SICP, with poorboy still discharging to shakers with 17% gas. Mud weight 11.3 ppg in & out.																																			
0.50				5: Cond. Mud & Circ				Start circulating 229 gpm with 1019 psi, observe intermittent flare with 8% gas.																																			
0.25				22: Well Control				Shut in well and observe 45 psi SICP, slowly increasing trend.																																			
0.75				22: Well Control				With annular closed, remove casing slips, remove trip nipple, install RCD element. Observe SICP increase to 210 psi SICP.																																			
2.00				12: Run Casing				Strip in hole with 7" casing from 9 5/8" shoe to 14,200 ft with MPD chokes open, observe intermittent flare. Centralizers passing through element without issue. Filling pipe on the fly.																																			
1.75				12: Run Casing				Wash down with 7" casing from 14,200' to 14,529' with 100 GPM, 250 psi. Observe intermittent flare (1'-4"). No issues getting casing washed down.																																			
</																																											



## Report # 135

## Report # 135

WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE		DATE																					
INDEPENDENCE AGI #1				0		0		30-025-48081		DRILLING		Fri, May 7, 2021																					
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS													
		12/27/2020		131		0		0		0		16.135		16.135		0		0		0													
Current Operation:				Circulating through DV tool				Next 24 Hours				Circulate Through DV Tool, Pump 2nd stage cement job																					
Type		Casing Specs		Top TMD		8tm TMD		ID		Drift		Burst		Collapse		Yield		Int Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size					
Surface		24		1,383		1,383																						26					
Intermediate		20" H-80 133# BTC		0		3,412		NeoGem		635.000		11		3		HalCem		410		14.80000		1.33000		0		635 / 410		22					
Intermediate		13.625" Q-125 88.2# BTC		0		0.750		12.375		12.219		10.030		4.800		3.191				0.149 bbls/ft		1,051.00000		3118 g/598.35		/		17 1/2					
Intermediate		9.625" L-80 47# BTC		0		13.255		8.681		8.525		6.870		5.740		1.088		1,122		0.073 bbls/ft		963.00000				/		12 1/4					
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK P51		#1 STKS		#1 CHK P51		#1 STKS		#1 CHK P51													
Barnet				2,799		3,279		4,139		30		30		30		30		30		30													
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW				MAX. ALLOWABLE SYCP											
5.0		6.500		299.2363156		471		248		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		13.235		13.2				1,308											
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE											
3.52		5.5		12		82		3.52		5.5		12		5.5		12		577		577		3,900											
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		C/L		SOLIDS		LGS		LIQUID		SAND		MBT	
11.3		11.3		49.0		49.0		14.0		9.0		8.0		16.0		4.0		3869334.0		0.0		1.0		16.5		6.2		0.0		0.0		0.0	
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O W		LIME		ES		LCM		0.00									
								45000.00		0.00		66.30		15.10		81-19		4.01		609.00													
PREV BIT #		Re-Run		SIZE		MFG.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
47				8 1/2		Ultrater		U713M		54899		16		16		16		16		16		16		16		16		16		16		1,3764	
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
10/1900 0:00		10/1900 0:00		0		0		0.00		0.00		0						1		1		WT		A		X		I		WT		Casing Point	
CUR. BIT #		Re-Run		SIZE		MFG.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
48				8 1/2		Tauxex		HF 37		1814981		18		18		18		18		18		18		18		18		18		18		0.7455	
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON	
				0		0		0.00		0.00		0						1		1		WT		A		1		1		WT		Casing Point	
FUEL DELIVERED				0		FUEL USED TODAY				0		MUD ADDITIVES IN LAST 24 HOURS						SOIL FARMING / MUD DISPOSAL				FRESH WATER											
FUEL ON HAND				8,807		TOTAL FUEL USED				178,594		Gel		Mica		ABO		DAILY SOLIDS				0		OWNER									
PICKUP WT.				0		AVG. DRAG				0		Poly Plus		Quick Thin		PolyPac Ul		TOTAL SOLIDS				0		DAILY BBLs		0							
ROTATING WT.				0		MAX. DRAG				0		Caustic		Soda Ash		Gelex		DAILY DISPOSAL COSTS				0		CUM BBLs		0							
SLACKOFF WT.				0		TQ. ON BTM				0		Bar		Lime		Tack		DAILY LIQUIDS				0											
BHA HOURS				0		TQ. OFF BTM				0		Pac-R		Alum Ster		Cost		TOTAL LIQUIDS				0											

[illegible]

24.00						No Accidents, Spills or Inspections to report								
QTY	BHA ITEM		LENGTH	TIME DISTRIBUTION		DAILY	CUM.	KOP MD/TVD		Pen Pt MD/TVD		Lndg Pt MD/TVD		
1	8.5" Taurex Mill Tooth		1.00	1 MIRR/ROMO		0.00	81.00							
1	81t sub with float valve		3.87	2 Drilling		0.00	485.25	Depth	Dev.	Azi.	TVD	V5	DLS	
3	6 3/4" DCs		92.44	3 Washing/Reaming		12.25	322.50	12,170	1.53	98	12,165	-111.08	0.22	
1	8 1/2" Smooth Bore RMR		9.63	4 Lost Circulation		0.00	13.75	12,264	1.42	101	12,259	-112.99	0.14	
3	6 3/4" DC		93.12	5 Cond. Mud & Circ		3.50	207.75	12,359	1.35	95	12,354	-114.77	0.16	
1	6 1/2" Weatherford Jars		32.51	6 Tripping		0.00	857.25	12,453	1.39	91	12,448	-116.39	0.12	
9	6 3/4" DCs		276.82	7 Lubricate Rig		0.00	25.50	12,548	1.44	89	12,543	-117.99	0.06	
1	5" HWOP		30.27	8 Rig Repair		0.00	54.50	12,642	1.63	83	12,637	-119.57	0.28	
				9 Cut Drig Line		0.00	26.00	12,737	1.87	82	12,732	-121.26	0.25	
				10 Deviation Survey		0.00	0.50	12,831	2.11	85	12,826	-123.20	0.27	
				11 Wireline Logging		0.00	161.25	12,926	2.15	86	12,921	-125.40	0.07	
				12 Run Casing		0.00	133.25	13,020	2.28	84	13,015	-127.63	0.17	
				13 Cement Casing		4.50	52.75	13,115	2.60	82	13,110	-130.00	0.34	
				14 Wait On Cement		0.00	20.00	13,238	3.28	81	13,233	-133.59	0.55	
				15 NU BOP's		0.00	106.75	13,315	3.54	84	13,309	-136.27	0.40	
				16 Test BOP's		0.00	40.25	13,410	4.17	84	13,404	-140.14	0.66	
				17 Plug Back		0.00	0.00	13,504	2.55	94	13,498	-143.74	1.81	
				18 Squeeze Cmt		0.00	0.00	13,599	2.58	94	13,593	-146.85	0.94	
				19 Fishing		0.00	73.75	13,694	2.60	91	13,688	-149.92	0.14	
				20 Directional Work		0.00	44.25	13,783	3.12	81	13,777	-152.68	0.82	
				21 Weather		0.00	0.00	13,878	3.41	84	13,872	-155.85	0.37	
				22 Well Control		0.00	207.00			88	13,965	-159.27	0.34	
				23 Waiting-Orders/Equip		0.00	19.00	Planned VS		feet @		azimuth		
		Motor RPG	0	BHA	539.66	24 Drill Cmt / Shoe Test	0.00	7.75	DAY DRILLING FOREMAN			CELL PHONE NUMBER		
Jarrits	DP ITEM	OD	#/FT	GRADE	LENGTH	25 Jet & Clean Pits	0.00	0.00	Steven Ridder			[REDACTED]		
						26 Regulatory	0.00	54.50	NIGHT DRILLING FOREMAN			CELL PHONE NUMBER		
						27 Other	3.75	203.50	Marcus Jenkins			[REDACTED]		
						28 Other	0.00	16.50	AMEREDVE PERSONELL					
						29 Other	0.00	2.50	DRILLING SUPERINTENDENT			JT Wilkerson		
						30 Other	0.00	0.00	DRILLING ENGINEER			John Zabalano		
				Kelly	15595.34	31 Other	0.00	0.00	DAY CONTROL ROOM SUP			Chris Huff		
				Total Depth	16135.00	TOTALS	24.00	3217.00	NIGHT CONTROL ROOM SUP			Andy Slusarchuk		

### Cost Input

[illegible]



**Ameredev LLC**  
**Morning Drilling Report**

Report # 136

WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE																						
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING			Sat, May 8, 2021																						
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS															
		12/27/2020		132								16,135		16,135		0		0		0															
Current Operation:				N/D BOP				Next 24 Hou		stack, Install Slips, Install packoff and test, N/U BOP, Pressure test, Install RCD, Install wear bushing, P/U Dr																									
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size							
Surface		24		1,383		3,412		NeoCem		635.000		11		3		HalCem		410		14.80000		1.33000		0		635 / 410		26							
Intermediate		20" N-80 133# BTC		0		7,150		12.375		12.219		10.030		4,800		3,191				0.149 bbls/ft		1,051.00000		311# 9/3250.35		/		17 1/2							
Intermediate		13.625" O-125 88-2# BTC		0		13,235		8.681		8.525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000						12 1/4							
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI															
				2,799		3,279		4,139		30		30		30		30		30		30															
DP SIZE				DC SIZE		DP AV		DC AV		JET VELOCITY		HHF/SQ IN BIT DIA.		COST/FT. 24 HRS.		cost/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP													
5.0				6.500		299.2363156		471		248.		3.67						13,235		13.2		1,30#													
GPS #1				LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE											
3.52				5.5		12		82		3.52		5.5		12		82		577				3,900													
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT			
11.3		11.3		49.0		49.0		14.0		9.0		8.0		16.0		4.0		386334.0		0.0		1.0		16.5		6.2		0.0		0.0		0.0			
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM													
47		Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA			
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON			
1/0/1900 0:00		1/0/1900 0:00		0		0		0.00		0.00		0		0		0		1		1		WT		A		X		I		WT		Casing Point			
CUR. BIT #		Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA			
48		R		8 1/2		Taurux		HF 37		181A981		18		18		18		0		0		0		0		0		0		0		0.7455			
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON			
BHA HOURS		0		0		0		0.00		0.00		0		0		0		1		1		WT		A		1		I		WT		Casing Point			
FUEL DELIVERED				0		FUEL USED TODAY				0		MUD ADDITIVES IN LAST 24 HOURS										SOIL FARMING / MUD DISPOSAL				FRESH WATER									
FUEL ON HAND				8,807		TOTAL FUEL USED				178 594		Gel				Mica		ABO				DAILY SOLIDS				0		OWNER							
PICKUP WT.				0		AVG. DRAG				0		Poly Plus				Quick Thin		PolyPac Ul				TOTAL SOLIDS				0		DAILY BBLs		0					
ROTATING WT.				0		MAX. DRAG				0		Caustic				Soda Ash		Gelex				DAILY DISPOSAL COSTS						CUM BBLs		0					
SLACKOFF WT.				0		TQ. ON BTM				0		Bar				Lime		Tackle				DAILY LIQUIDS				0									
BHA HOURS				0		TQ OFF BTM				0		Pac-R				Alum Ster		Cost				TOTAL LIQUIDS				0									
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY (0600 HRS TO 0600 HRS)																											
18.50				5: Cond. Mud & Circ				Continue circulating fresh water through DV tool. Hold Pre-job meeting for cement operation with all involved.																											
3.50				13: Cement Casing				Cement as programed, 202 Bbls cement returned to surface and disposed.																											
1.00				13: Cement Casing				R/D Halliburton Cement equipment.																											
1.00				15: NU BOP's				N/D BOP with Battle and prepare to raise Stack.																											



Ameredev LLC																	Report # 137						
Morning Drilling Report																							
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE										
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING			Sun, May 9, 2021										
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS	
		12/27/2020		133										16,135		16,135		0		0		0	
Current Operation				TIH with Drill out BHA @ 1,635'				Next 24 Hours				Drill DV tool, TIH, Tag cement, drill out float equipment and cement, Drill 10' formation, perform RT, Drill 40'											
Type	Casing Specs			Top TMD	8tm TMD	ID	Drift	Burst	Collapse	Yield	Int Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size							
Intermediate	9.625"			13,235	13,235											12 1/4							
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635.000	11	3	Halcem	410	14.80000	1.33000	0	635 / 410	22							
Intermediate	13.625" Q-125 88.2# BTC			0	7,150	12.375	12.219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/350.35		17 1/2							
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000			12 1/4							
Production	7" HCP-110 32# VA Roughneck			0	16,129											8 1/2							
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI											
Barnet				2,799	3,279	4,139	30		30		30												
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT. 24 HRS.			COST/FT. (OA)			LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP							
5.0	6.500	299,2363156	471	248	2.73							16,129		13.2		4,026							
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE							
3.52	5.5			12	82	3.52		82					577			3,900							
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT							
8.4	8.4	28.0	28.0							0.0		0.5		0.0	0.0	0.0							
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	D W	LIME	ES	LCM												
11.00				2500.00	0.00		99.50				0.00												
PREV BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
47		8 1/2	Ultara	U713M	54899	16	16	16	16	16	16	16	0	0	0	1.3744							
START FT	END FT	DEPTH IN	DEPTH OUT	AVE WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
1/0/1900 0.00	1/0/1900 0.00	0	0	0.00	0.00	0	0	0	1	1	1	A	X	I	WT	Casing Point							
CUR. BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA							
48	R	8 1/2	Taurex	HF 37	1814981	18	18	18	0	0	0	0	0	0	0	0.7455							
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON							
0		0	0	0.00	0.00			0	1	1	WT	A	1	I	WT	Casing Point							
FUEL DELIVERED				0	FUEL USED TODAY				2,775	MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL		FRESH WATER							
FUEL ON HAND				6,092	TOTAL FUEL USED				181,369	Gel		Mica	ABO	DAILY SOLIDS				0	OWNER				
PICKUP WT.				0	AVG. DRAG				0	Poly Plus		Quick Thin	PolyPac UI	TOTAL SOLIDS				0	DAILY BBLs	0			
ROTATING WT.				0	MAX. DRAG				0	Caustic		Soda Ash	Gelex	DAILY DISPOSAL COSTS					CUM BBLs	0			
SLACKOFF WT.				0	TQ. ON BTM				0	Bar		Lime	Tackle	DAILY LIQUIDS				0					
BHA HOURS				0	TQ OFF BTM				0	Pac-R		Alum Ster	Cost	TOTAL LIQUIDS				0					
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )															
1.00				15: NU BOP's				Nipple Down BOPs with Battle. R/D OPLA MPD equipment.															
2.25				15: NU BOP's				Set casing slips with 380K. Install packoff and test void and seals as per vault Pressure Control. Cut off excess casing and lay down.															
2.75				15: NU BOP's				Nipple down spacer spool, install D-section and nipple up new spacer spool.															
3.00				15: NU BOP's				Move BOP to side, remove balls and elevators, install X/O from casing bowl to BOPs.															
4.00				15: NU BOP's				N/U BOPs, install Pruitt RCD and Orbit valve. Complete cleaning Pre-mix tank and Frac tanks with Muhohlands. Battle Energy test choke manifold off line to 250 psi low 10 min and 5000 psi high 10 min. Test back to mud pumps to 250 psi low 10 min and 5k psi high for 10 min.															
1.00				6: Tripping				On rig floor install 4" DP handling equipment to pick up test pipe joint.															
0.50				16: Test BOP's				Set test plug, fill stack with water. Driller verify casing side outlet valve open. Conduct Pre-test Safety Meeting with all involved including Battle Energy Testers.															
2.50				16 Test BOP's				Test BOP blind, Upper & Lower variable 2 7/8" x 5 7/8" pipe rams, Upper & Lower Top-Drive valves, TIW and Gray valves to 250 psi 10 min low & 5000 psi 10 min high on all tests, except for Annular, 250 psi 10 min low and 3500 psi 10 min high.															
0.50				16 Test BOP's				Conduct Accumulator draw-down test. Welder fabricating 16" segment for flow line modification to M/U to Pruitt Orbit valve. Remove test joint.															
0.50				16: Test BOP's				Test iBOP upper & lower, test Gray Valve and TIW to 250 psi low 10 min & 5000 psi 10 min.															
1.25				15: NU BOP's				Install RCD, test plug, shell test to 100 psi. Driller verify casing valve closed, verify all BOP & choke manifold well control valves lined up.															
3.00				27 Other				Welder fitting flow line to Orbit line. Rig crew conducting Top Drive Maintenance. installing securing wire to plate studs on Top Drive.															
0.50				7 Lubricate Rig				Rig Service and conduct Drops check.															
0.50				15: NU BOP's				Adjust turn-buckles to centralize BOP stack with rotary table, connect fill up line. Install Wear Bushing.															
0.50				6 Tripping				M/U 5 7/8" bit, bit sub with float valve, one stand 4 7/8" DC's and 7 stands 4" HWDP. To 740.57'															
0.25				6: Tripping				TIH from 740' T/ 1,635'. Monitoring displacement in pits. Hole giving proper displacement.															
24.00								No Accidents, Spills or Inspections to report															
CITY	BHA ITEM					LENGTH		TIME DISTRIBUTION		DAILY	CUM	KOP MD/TVD		Pen Ft MD/TVD		Lndg Ft MD/TVD							
1	8.5" Taurex Mill Tooth					1.00		1 MIRU/RDMO		0.00	81.00												
1	Bit sub with float valve					3.87		2 Drilling		0.00	485.25	Depth	Dev.	Azi	TVD	VS	DLS						
3	6 3/4" DCs					92.44		3 Washing/Reaming		0.00	322.50	12,170	1.53	98	12,165	-111.08	0.22						
1	8 1/2" Smooth Bore RMR					9.63		4 Lost Circulation		0.00	13.75	12,264	1.42	101	12,259	-112.99	0.14						
3	6 3/4" DC					93.12		5 Cond. Mud & Circ		0.00	226.25	12,359	1.35	95	12,354	-114.77	0.16						
1	6 1/2" Weatherford Jars					32.51		6 Tripping		1.75	859.00	12,453	1.39	91	12,448	-116.39	0.12						
9	6 3/4" DCs					276.82		7 Lubricate Rig		0.50	26.00	12,548	1.44	89	12,543	-117.99	0.06						
1	5" HWDP					30.27		8 Rig Repair		0.00	54.50	12,642	1.63	83	12,637	-119.57	0.28						
								9 Cut Drig Line		0.00	26.00	12,737	1.87	82	12,732	-121.26	0.25						
								10 Deviation Survey		0.00	0.50	12,831	2.11	85	12,826	-123.20	0.27						
								11 Wireline Logging		0.00	161.25	12,926	2.15	86	12,921	-125.40	0.07						
								12 Run Casing		0.00	133.25	13,020	2.28	84	13,015	-127.63	0.17						
								13 Cement Casing		0.00	57.25	13,115	2.60	82	13,110	-130.00	0.34						
								14 Wait On Cement		0.00	20.00	13,238	3.28	81	13,233	-133.59	0.55						
								15 NU BOP's		14.75	122.50	13,315	3.54	84	13,309	-136.27	0.40						
								16 Test BOP's		4.00	44.25	13,410	4.17	84	13,404	-140.14	0.66						
								17 Plug Back		0.00	0.00	13,504	2.55	94	13,498	-143.74	1.81						
								18 Squeeze Cmt		0.00	0.00	13,599	2.58	94	13,593	-146.85	0.04						
								19 Fishing		0.00	73.75	13,694	2.60	91	13,688	-149.92	0.14						
								20 Directional Work		0.00	44.25	13,783	3.12	81	13,777	-152.68	0.82						
								21 Weather		0.00	0.00	13,878	3.41	84	13,872	-155.85	0.37						
								22 Well Control		0.00	207.00	13,972	3.17	88	13,965	-159.27	0.34						
								23 Waiting-Orders/Equip		0.00	19.00	Planned VS		feet @		azimuth							
								24 Drill Cmt / Shoe Test		0.00	7.75	DAY DRILLING FOREMAN				CELL PHONE NUMBER							
								25 Jet & Clean Pits		0.00	0.00	Steven Ridder											
								26 Regulatory		0.00	54.50	NIGHT DRILLING FOREMAN				CELL PHONE NUMBER							
								27 Other		3.00	206.50	Marcus Jenkins											
								28 Other		0.00	16.50	AMEREDDEV PERSONNEL											
								29 Other		0.00	2.50	DRILLING SUPERINTENDENT						JT Wilkerson					
								30 Other		0.00	0.00	DRILLING ENGINEER						John Zabaldano					
								31 Other		0.00	0.00	DAY CONTROL ROOM SUP						Chris Huff					
								TOTALS		24.00	3265.00	NIGHT CONTROL ROOM SUP						Andy Slusarchuk					
Cost Input																							
Cost Type	Charge	Code		Description				Vendor		Unit Cost	Quantity	Cost	Carry Over										
8500	0.094	SUPERVISION / CONTRACT		Stephen Ritter / Marcus Jenkins				Rusco Operating LLC			1.0		Yes										
8500	0.094	SUPERVISION / CONTRACT		Chris Huff / Andy Slusarchuk				Rusco Operating LLC			1.0		Yes										
8500	0.024	SURFACE RENTALS		Trash trailer 2 Porta pots. Water and Septic for office trailer. 3 Light Plants				Hoppe's Construction LLC			1.0		Yes										
8500	0.024	SURFACE RENTALS		Internet & Intercoms				wersat Communications US			1.0		Yes										
8500	0.024	SURFACE RENTALS		Forklift \$150/day				Boland Field Services LLC			1.0		Yes										
8500	0.024	SURFACE RENTALS		14 x Flat bottom Frac tanks				Blueprint Oilfield Services			1.0		Yes										
8500	0.024	SURFACE RENTALS		4 Sets of pipe Bolsters				Divine Energy Services Inc			1.0		Yes										
8500	0.024	SURFACE RENTALS		4 Sets of pipe racks				Divine Energy Services Inc			1.0		Yes										
8500	0.024	SURFACE RENTALS		PVT/Chokes \$477 plus \$70 on days with gas detection				Pason			1.0		Yes										
8500	0.01	DRILLING RIG		Citadel Rig #3 (OBM Pay)				Citadel Drilling			1.0		Yes										
8500	0.024	SURFACE RENTALS		1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank				Johnso Specialty Tools LLC			1.0		Yes										
8500	0.024	SURFACE RENTALS		Diverter Line, Drive over & Igniter				Iron Horse Tools LLC			1.0		Yes										
8500	0.124	TY AND EMERGENCY RESP		H2s Compliance Package				American Safety Services, In			1.0		Yes										
8500	0.066	DS CONTROL EQUIP / SERV		Solid Control Equipment and Hands + OBM washgun \$25/day				KSW Oilfield Rental LLC			1.0		Yes										
8500	0.024	SURFACE RENTALS		Minion Tank				Think Tank			1.0		Yes										
8500	0.048	LL CONTROL EQUIP / SERV		Rotating Head & MPD DeMob				Copia			1.0		No										
8500	0.06	D, ADDITIVES, AND CHEMIC		Mud additives & driveby mud check (OBM)				NOVA Mud			1.0		Yes										
8500	0.024	SURFACE RENTALS		500 BBL pre-mix tank (\$450/Day)				McAda Drilling Fluids Inc			1.0		Yes										
8500	0.03	DOWNHOLE RENTALS		Smooth bore Reamer				Stabil Drill			1.0		Yes										
8500	0.03	DOWNHOLE RENTALS		597 joints of 4" XT-39 drill pipe and related equipment \$1559.17 /day, start 05.02.21				Platinum Pipe Rentals LLC			1.0		Yes										
8500	0.03	DOWNHOLE RENTALS		12-4 7/8" DC XT-39 and 21 4" HWDP XT-39 and related equipment \$363 / day				Platinum Pipe Rentals LLC			1.0		Yes										
8500	0.074	NG / LINER / FLOAT EQUIPM		DV tool hand to run 7" casing job.				Halliburton Energy Services			1.0		No										
8500	0.048	LL CONTROL EQUIP / SERV		7" Casing slips / Packoff and test with technician				GE Oil & Gas			1.0		No										
8500		LL CONTROL EQUIP / SERV		Pruitt PRCD 500 unit is \$130 + \$80 for Orbit valve				Pruitt Tool & Supply Co. Inc			1.0		Yes										
8500												\$ -											
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Ameredev LLC																Report # 138	
Morning Drilling Report																	
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE			
INDEPENDENCE AGI #1						0		30-025-48081		DRILLING				Mon, May 10, 2021			
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT	
		12/27/2020		134								16,160		16,160		25	
Current Operation				Drilling 5 7/8" Hole section @ 16,160'				Near 24 Hours				Drill to 16,165', CTOH, POOH, L/D BHA, R/U and run CBL logs, R/O wireline, P/U 5 7/8" BHA, TH					
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield	
Intermediate		9.625"		13,235		13,235											
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		HalCem	
Intermediate		13.625" Q-125 88.2# BTC		0		7,150		12,375		12,219		10,030		4,800		3,191	
Intermediate		9.625" L-80 47# BTC		0		13,235		8,681		8,525		6,870		5,740		1,085	
Production		7" HCP-110 32# VA Roughneck		0		16,129										1,122	
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI	
barnet				2,799		3,279		4,139		30		30		30		30	
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHF/SQ.IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. [OA]		LAST SHOE TVD	
5.0		6.500		1050.9/6328		-1293		175		2.02						16,129	
GPS #1		LINER X STROKE		SPM #1		GPS #2		SERIAL #		JET #1		JET #2		JET #3		JET #4	
3.52		5.5		12		58		3.52		5.5		12		58		5.5	
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		FILTRATE		WPS	
8.4		8.4		28.0		28.0											
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O W	
12.00		5.50		5.50		1.15		2700.00		0.00				99.40		0.01	
PREV BIT #		Re-Run		SIZE		MFGRL		HF 37		TYPE		SERIAL #		JET #1		JET #2	
48				8 1/2		Taurax		1814981		18		18		18		18	
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS	
1/0/1900 0-00		1/0/1900 0-00		0		0		0.00		0.00		0		0		0	
CUR. BIT #		Re-Run		SIZE		MFGRL		TYPE		SERIAL #		JET #1		JET #2		JET #3	
49				5 7/8		Read		SLS30GKP		400656		18		18		18	
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS	
				0		0		0.00		0.00		0		0		0	
FUEL DELIVERED				0		FUEL USED TODAY		1.086		MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL			
FUEL ON HAND				4,946		TOTAL FUEL USED		182,455		Gel		Mica		ABO		DAILY SOLIDS	
PICKUP WT.				223		AVG. DRAG		0		Poly Plus		Quick Thin		PolyPac UI		TOTAL SOLIDS	
ROTATING WT.				202		MAX. DRAG		0		Caustic		Soda Ash		Galex		DAILY DISPOSAL COSTS	
SLACKOFF WT.				197		TQ. ON BTM		7,250		Bar		Lime		Tackle		DAILY LIQUIDS	
BHA HOURS				0		TQ OFF BTM		6,500		Pac-R		Alum Star		Cost		TOTAL LIQUIDS	
CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																	
3.50		6: Tripping		TIH f/ 1,635' f/ 10,015' on elevators with no issues. Monitor hole displacement on pits. Hole giving proper displacement. Filling pipe every 30 stands													
0.50		7: Lubricate Rig		Service and lubricate rig and top drive.													
0.50		8: Rig Repair		Inspect seal on washpipe and verify good.													
1.75		6: Tripping		TIH f/ 10,015' f/ 13,507' on elevators with no issues. Monitor hole displacement on pits. Hole giving proper displacement. Tagged top of DV tool @ 13,507'.													
3.00		27: Other		Attempt to pressure test casing with kill line and pipe rams. Pressure bleeding off. Pump through stand pipe and Pressure test 7" production casing closing annular at 1500psi and hold for 30 minutes (Good Test).													
0.75		24: Drill Cmt / Shoe Test		Set down 30K on DV tool. Drill DV tool out with 300 GPM, 1931 psi, 1931 RPM, 15 WOB.													
0.50		6: Tripping		TIH with 5 7/8" bit clean out assembly from 13,510 ft to 14,900 ft. Rig change out 2" valve on stand-pipe while TIH.													
1.00		24: Drill Cmt / Shoe Test		Wash down with from 14,900 ft to tag cement at 15,291 ft with 300 gpm and 1885 psi pumping fresh water.													
5.75		24: Drill Cmt / Shoe Test		Drilling hard cement with 10K WOB from 15,291 ft with 350 rpm, 400 rpm, 450 rpm & 300 rpm and 40 rpm with 6670 ft/lbs torque to tag baffle @ 15,777 ft. Best ROP with 407 gpm and 3378 psi.													
0.25		24: Drill Cmt / Shoe Test		Drill out baffle with 12k wob, 400 gpm, 3330 psi, 40 rpm & 7080 ft/lbs torque.													
0.25		24: Drill Cmt / Shoe Test		Continue drill out hard cement from 15,779 ft to tag FC @ 15,818 ft.													
0.25		24: Drill Cmt / Shoe Test		Set down 30K on DV tool. Drill F/C out with rotation several times, then drill out with 400 GPM, 3343 psi, 40 RPM, 15 WOB.													
3.00		24: Drill Cmt / Shoe Test		Drilling hard cement with 10K WOB from 15,821 ft with 400 gpm, and 40 rpm, 7070 ft/lbs torque to tag shoe @ 16,129 ft.													
0.50		24: Drill Cmt / Shoe Test		Drill out shoe with 12k WOB, then clean out 8 1/2" rat-hole down to 16,135 ft with 407 gpm, 3390 psi, 40 rpm, 7080 ft/lbs torque.													
0.25		2: Drilling		Rotate w/ Bit #49 From 16135' to 16145' (40ft/hr) w/ 10 WOB, 40 Surf RPM. Motor RPM. Drill 5 7/8" new hole with 3400 psi and 7080 ft/lbs torque.													
0.50		5: Cond. Mud & Circ		Perform FIT to 100 psi and hold for 30 minutes (Good Test).													
0.50		27: Other		Install rotating head.													
0.75		27: Other		After performing FIT test attempted to P/U and string hanging up. Bring pumps on and pressured up. Work string up and down holding 800 psi and able to work free. Circulate for 15 minutes while reciprocating pipe (no issues). Make connection and continue drilling new formation.													
0.50		2: Drilling		Rotate w/ Bit #49 From 16145' to 16160' (30ft/hr) w/ 15 WOB, 90 Surf RPM, 0 Motor RPM.													
No Accidents, Spills or Inspections to report																	
QTY		BHA ITEM		LENGTH		TIME DISTRIBUTION		DAILY		CUM		KOP MD/TVD		Pen Ft MD/TVD		Lndg Ft MD/TVO	
1		Insert bit		1.00		1 MRLU/ROMO		0.00		81.00							
1		Bit sub with float		2.79		2 Drilling		0.75		486.00		Depth		Dev.		Azi.	
3		4 7/8" DGS XT-39		92.97		3 Washing/Reaming		0.00		322.50		12,170		1.53		98	
21		7 Stands 4" HWDP XT-39		643.81		4 Lost Circulation		0.00		13.75		12,264		1.42		101	
						5 Cond. Mud & Circ		0.50		226.75		12,359		1.35		95	
						6 Tripping		5.75		864.75		12,453		1.39		91	
						7 Lubricate Rig		0.50		26.50		12,548		1.44		89	
						8 Rig Repair		0.50		55.00		12,642		1.63		83	
						9 Cut Drig Line		0.00		26.00		12,737		1.87		82	
						10 Deviation Survey		0.00		0.50		12,831		2.11		85	
						11 Wireline Logging		0.00		161.25		12,926		2.15		86	
						12 Run Casing		0.00		133.25		13,020		2.28		84	
						13 Cement Casing		0.00		57.25		13,115		2.60		82	
						14 Wait On Cement		0.00		20.00		13,238		3.28		81	
						15 NU BOP's		0.00		122.50		13,315		3.54		84	
						16 Test BOP's		0.00		44.25		13,410		4.17		84	
						17 Plug Back		0.00		0.00		13,504		2.55		94	
						18 Squeeze Cmt		0.00		0.00		13,599		2.58		94	
						19 Fishing		0.00		73.75		13,694		2.60		91	
						20 Directional Work		0.00		44.25		13,783		3.12		81	
						21 Weather		0.00		0.00		13,878		3.41		84	
						22 Well Control		0.00		207.00		13,972		3.17		88	
						23 Warning-Orders/Equip		0.00		15.00		Planned VS		feet @		azimuth	
						24 Drill Cmt / Shoe Test		11.75		19.50		DAY DRILLING FOREMAN				CELL PHONE NUMBER	
						25 Jet & Clean Pks		0.00		0.00		Steven Ridder					
Joints		DP ITEM		OD		#/FT		GRADE		LENGTH		26 Regulatory		0.00		54.50	
												27 Other		4.25		210.75	
												28 Other		0.00		16.50	
												29 Other		0.00		2.50	
												30 Other		0.00		0.00	
												31 Other		0.00		0.00	
												TOTALS		24.00		3289.00	
Cost Input																	
Cost Type		Charge		Code		Description		Vendor		Unit Cost		Quantity		Cost		Carry Over	
8500		0.094		SUPERVISION / CONTRACT		Stephen Ritter / Marcus Jenkins		Rusco Operating LLC				1.0				Yes	
8500		0.094		SUPERVISION / CONTRACT		Chris Huff / Andy Slusarchuk		Rusco Operating LLC				1.0				Yes	
8500		0.024		SURFACE RENTALS		Trash trailer 2 Porta pots. Water and Septic for office trailer. 3 Light Plants		Hoppe's Construction LLC				1.0				Yes	
8500		0.024		SURFACE RENTALS		Internet & Intercoms		versat Communications US				1.0				Yes	
8500		0.024		SURFACE RENTALS		Forklift \$150/day		Boland Field Services LLC				1.0				Yes	
8500		0.024		SURFACE RENTALS		14 x Flat bottom Frac tanks		Blueprint Oilfield Services				1.0				Yes	
8500		0.024		SURFACE RENTALS		4 Sets of pipe Bolsters		Divine Energy Services Inc				1.0				Yes	
8500		0.024		SURFACE RENTALS		4 Sets of pipe racks		Divine Energy Services Inc				1.0				Yes	
8500		0.024		SURFACE RENTALS		PVT/Chokes \$477 plus \$70 on days with gas detection		Pason				1.0				Yes	
8500		0.01		DRILLING RIG		Citadel Rig #3 (OBM Pay)		Citadel Drilling				1.0				Yes	
8500		0.024		SURFACE RENTALS		1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank		Johnso Specialty Tools LLC				1.0				Yes	
8500		0.024		SURFACE RENTALS		Diverter Line, Drive over & Igniter		Iron Horse Tools LLC				1.0				Yes	
8500		0.124		TY AND EMERGENCY RESP		H2s Compliance Package		merican Safety Services, In				1.0				Yes	
8500		0.066		IDS CONTROL EQUIP / SERV		Solid Control Equipment and Hands + OBM washgun \$25/day		KSW Oilfield Rental LLC				1.0				Yes	
8500		0.024		SURFACE RENTALS		Minion Tank		Think Tank				1.0				Yes	
8500		0.06		O. ADDITIVES, AND CHEMIC		Mud additives & driveby mud check (OBM)		NOVA Mud				1.0				Yes	
8500		0.024		SURFACE RENTALS		500 BBL pre-mix tank (\$450/Day)		McAda Drilling Fluids Inc				1.0				Yes	
8500		0.03		DOWNHOLE RENTALS		Smooth bore Reamer		Stabil Drill				1.0				Yes	
8500		0.03		DOWNHOLE RENTALS		597 joints of 4" XT-39 drill pipe and related equipment \$1559.17 /day, start 05.02.21		Platinum Pipe Rentals LLC				1.0				Yes	
8500		0.03		DOWNHOLE RENTALS		12-4 7/8" DC XT-39 and 21 4" HWDP XT-39 and related equipment \$363 / day		Platinum Pipe Rentals LLC				1.0				Yes	
8500		0.048		IL CONTROL EQUIP / SERV		Pruitt PRCD 500 unit is \$130 + \$80 for Orbit valve.		Pruitt Tool & Supply Co. Inc				1.0				Yes	
8500		0.066		IDS CONTROL EQUIP / SERV		Opla MPO		Opla				1.0				No	
8500		0.024		SURFACE RENTALS		One joint 3 1/2" IF dp, elevators & Becket elevators, (for wear bushing)		Platinum Pipe Rentals LLC				1.0				Yes	
8500																\$ -	
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Ameredev LLC																				Report # 139								
Morning Drilling Report																												
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE														
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Tue, May 11, 2021														
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		F1/HR		ROT HRS						
		12/27/2020		135										16,185		16,185		25		50		1						
Current Operation:				Processing CBL for Approval				Next 24 Hours:				Trip in the hole and Drill 5 7/8" Production Hole.																
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size												
Intermediate	9.625"			13,235	13,235											12 1/4												
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	Halcem	410	14.80000	1.33000	0	635 / 410	22												
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12.375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2												
Intermediate	9.625" L-80 47# BTC			0	13,235	8.681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4												
Production	7"			16,129	16,129											8 1/2												
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI																
Barnet				2,799	3,279	4,139	90		30		30																	
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT. 24 HRS.				COST/FT. (OA)				LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF										
5.0	6.500	1050.976328	-1293	175	2.02									16,129		13.5		4,277										
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE			SPM #2	GPS #3	LINER X STROKE			SPM #3	GPM	PUMPS	PUMP PRESSURE											
3.52	5.5			58	3.52	5.5			58						408		3,457											
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT												
8.4	8.4	28.0	28.0							0.0		0.5		0.0	0.0	0.0												
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O:W	LIME	ES	LCM																	
12.00	1.90	0.90	2.10	2300.00	1220.00		99.50		0.00		0.00																	
PREV BIT #	Re-Run	SIZE	MFRG	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA												
48		8 1/2	Taorex	HF 37	1814981	18	18									0.7455												
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON												
1/0/1900 0:00	1/0/1900 0:00	0	0	0.00	0.00	0			1	1		A	1	1		Casing Point												
CUR. BIT #	Re-Run	SIZE	MFRG	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA												
49		5 7/8	Reed	SLS30GKP	400656	18	18									0.7455												
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON												
		0	0	0.00	0.00			0	6	5	BT	A	E	2	LT	Planned Trip												
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER												
				3,720																								
FUEL ON HAND				TOTAL FUEL USED				<th colspan="4">DAILY SOLIDS</th> <th colspan="4">OWNER</th>				DAILY SOLIDS				OWNER												
				7,359								0																
PICKUP WT.				AVG. DRAG										TOTAL SOLIDS														
	223			0	Poly Plus			Quick Thir			PolyPac UI			0														
ROTATING WT.				MAX. DRAG										DAILY DISPOSAL COSTS														
	202			0	Caustic			Soda Ash			Gelex			CUM BBLs														
SLACKOFF WT.				TQ. ON BTM										DAILY LIQUIDS														
	197			7,250	Bar			Lime			Tackle			0														
BHA HOURS				TQ. OFF BTM										TOTAL LIQUIDS														
	0			6,900	Pac-R			Alum Ster			Cost			0														
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																								
0.50		2: Drilling		Rotate w/ Bit #49 From 16160' to 16185' (50ft/hr) w/ 10 WOB, 40 Surf RPM, Motor RPM: 3400 psi with 12kl ft/lbs torque with 8.4 water																								
2.75		5: Cond. Mud & Circ.		Circulate hole clean, flow check & slug																								
6.00		6: Tripping		TDH with 5 7/8" bit and clean out assembly from 16185 ft to surface.																								
2.50		6: Tripping		L/D two stands 6 1/2" DCs, observe well static.																								
0.50		6: Tripping		Recover wear bushing, inspect and install wear bushing.																								
3.25		11: Wireline Logging		Rig up Schlumberger for CBL, install Pruitt lubricator adapter, and OilStates X/O to lubricator.																								
7.50		11: Wireline Logging		Schlumberger CBL with 150 psi. Make Main Pass from 16,120' to Surface @ 4,000 ft/hr.																								
1.00		11: Wireline Logging		Process CBL for Final Approval.																								







**Ameredev LLC**  
**Morning Drilling Report**

Report # 141

WELL NAME				AFE #	STATE WELL ID #	API #	OBJECTIVE				DATE																																
INDEPENDENCE AGI #1					0	30-025-48081	DRILLING				Thu, May 13, 2021																																
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS																							
		12/27/2020		137								16,488		16,316		130		19		7																							
Current Operation:				Drilling 5 7/8" Section				Next 24 Hours:				Drill 5 7/8" Section																															
Type		Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size															
Intermediate		9.625"		13,235		13,235																						12 1/4															
Intermediate		20" N-80 133# BTC		0		3,412		NeoCem		635,000		11		3		HalCem		410		14.80000		1.33000		0		635 / 410		22															
Intermediate		13.625" O-125 88.2# BTC		0		7,150		12.375		12,219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118 9/5350.35		/		17 1/2															
Intermediate		9.625" L-80 47# BTC		0		13,235		8.681		8,525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000		/		/		12 1/4															
Production		7" VA-HC-P110 32# Varoughneck SC		16,129		16,129		6,094		6,000		11,440		13,000		140,000		125,000		0.03600		0.04780		13,528				8 1/2															
FORMATION				BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI																							
Devonian				70		0		0		30				30				30																									
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		cost/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF																							
4.0		4.875		195.561418		337		86		0.18						16,129		13.5		4,277																							
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE																					
3.52		5.5		12		42		3.52		5.5		12						148				765																					
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT											
8.4		8.4		28.0		28.0												0.0		0.0		0.0		0.5		0.0		0.0		0.0													
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM																					
12.00		1.90		0.90		2.10		2300.00		1220.00		99.50						0.00				0.00																					
PREV BIT #		Re-Run		SIZE		MFG#		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
50		0		5 7/8		Varel		EVOS 611		4012185		12		12		12		12		12		12		0		0		0		0		0.6627											
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
5/11/2021 19:00		5/12/2021 11:00		16185		16443		14.50		60.00		16		16.1		16		8		7		RO		S		X		I		BT		None Of Prevalent or Used											
CUR. BIT #		Re-Run		SIZE		MFG#		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA											
51		0		5 7/8		Baker		KMX323T		5283533		14		14		18		0		0		0		0		0		0		0		0.5492											
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC.		BEARING		GAUGE		OTHER		REASON											
5/13/2021 6:00		5/13/2021 6:00		16443		16488		17.50		60.00		2		2.8		16																											
FUEL DELIVERED				FUEL USED TODAY				1,086				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER																							
FUEL ON HAND				5,549				TOTAL FUEL USED				185,572				Gel				Mica				ABO				DAILY SOLIDS				0				OWNER							
PICKUP WT.				223				AVG. DRAG				20,000				Poly Plus				Quick Thin				PolyPac UI				TOTAL SOLIDS				0				DAILY BBLs				0			
ROTATING WT.				202				MAX. DRAG				21,000				Caustic				Soda Ash				Gelex				DAILY DISPOSAL COSTS				CUM BBLs				0							
SLACKOFF WT.				197				TQ. ON BTM				7,250				Bar				Lime				Tackle				DAILY LIQUIDS				0											
BHA HOURS				2				TQ OFF BTM				6,900				Pac-R				Alum Ster				Cost				TOTAL LIQUIDS				0											
HOURS				TIME CODE				CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																																			
5.00				2: Drilling				Rotate w/ Bit #50 From 16358' to 16443' (17'ft/hr) w/ 14.5 WOB, 60 Surf RPM, 0 Motor RPM.																																			
0.75				3: Washing/Reaming				Back ream from 16,433' to 16,135' and Pump the Slug.																																			
0.50				6: Tripping				Remove Rotating head and install Trip Nipple.																																			
6.25				6: Tripping				Trip out of the hole to Surface																																			
7.50				6: Tripping				C/O Bit, MWD, Trip in Hole to 16165'																																			
2.00				20: Directional Work				Re-log Gamma from 16165' to 16443'																																			
2.00				2: Drilling				Rotate w/ Bit #51 From 16443' to 16488' (23'ft/hr) w/ 17.5 WOB, 60 Surf RPM, Motor RPM, 170 GPMs																																			



## Report # 142

WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																					
INDEPENDENCE AGI #1				[REDACTED]		0		30-025-48081		DRILLING				Fri, May 14, 2021																					
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS													
		12/27/2020		138		[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]		16,743		16,743		255		31		8													
Current Operation:				Tripping in the Hole to Drill 5 7/8" Section						Next 24 Hours:				Drill 5 7/8" Section																					
Type				Casing Specs		Top TMD		Btm TMD		ID		Drift		Burst		Collapse		Yield		Jnt Strength		Capacity		Displace		DV Tool		SXS Cmt		Hole Size					
Intermediate				8.625"		13,235		13,235																						12 1/4					
Intermediate				20" N-80 133# BTC		0		3,412		NeoGem		635,000		11		3		HalCem		410		14,80000		1,330000		0		635 / 410		22					
Intermediate				13.625" Q-125 88.2# BTC		0		7,150		12,375		12,219		10,030		4,800		3,191				0.149 bbls/ft		1,051.00000		3118.9/5350.35		/		17 1/2					
Intermediate				9.625" L-80 47# BTC		0		13,235		8,681		8,525		6,870		5,740		1,086		1,122		0.073 bbls/ft		963.00000				/		12 1/4					
Production				7" VA-HC-P110 32# Varoughneck SC		16,129		16,129		6,094		6,000		11,440		13,000		140,000		125,000		0.03600		0.04780		13,528		8 1/2							
FORMATION				Devonian		BGG		CG		TG		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI		#1 STKS		#1 CHK PSI													
				70		0		0				30		30		30		30		30		30													
DP SIZE				DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		cost/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP													
4.0				4.875		195.561418		337		86		0.18		[REDACTED]		[REDACTED]		16,129		13.5		4,277													
GPS #1				LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMPS		PUMP PRESSURE											
3.52				5.5		12		42		3.52		5.5		12						148				765											
MW IN				MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		FILTRATE		WPS		HTHP		CAKE		SOLIDS		LGS		LIQUID		SAND		MBT			
8.4				8.4		28.0		28.0												0.0		0.0		0.5				0.0		0.0		0.0			
PH				PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		O-W		LIME		ES		LCM											
12.00				1.90		0.90		2.10		2300.00		1220.00				99.50		0.00		0.00															
PREV BIT #				Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
50				0		5 7/8		Varel		EVO5 611		4012185		12		12		12		12		12		12		0		0		0		0		0.6627	
START FT				END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC		BEARING		GAUGE		OTHER		REASON	
5/11/2021 19:00				5/12/2021 11:00		16185		16443		14.50		60.00		16		16.1		16		8		7		RO		5		X		I		BT		None Off Production Area	
CUR. BIT #				Re-Run		SIZE		MFGR.		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5		JET #6		JET #7		JET #8		JET #9		JET #10		TFA	
51				0		5 7/8		Baker		KMX323T		5283533		14		14		18		0		0		0		0		0		0		0		0.5492	
START FT				LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER		DULL		LOC		BEARING		GAUGE		OTHER		REASON	
5/13/2021 4:00				5/13/2021 14:45		16443		16743		18.50		60.00		10.75		18.8		16		8		7		RO		5		X		I		BT		None Off Production Area	
FUEL DELIVERED										FUEL USED TODAY		965														SOIL FARMING / MUD DISPOSAL						FRESH WATER			
FUEL ON HAND				4,584						TOTAL FUEL USED		186,537		Gel		Mica		ABO								DAILY SOLIDS		0		OWNER					
PICKUP WT.				223						AVG. DRAG		20,000		Poly Plus		Quick Thin		PolyPac UI								TOTAL SOLIDS		0		DAILY BBLs		0			
ROTATING WT.				202						MAX. DRAG		21,000		Caustic		Soda Ash		Gellex								DAILY DISPOSAL COSTS				CUM BBLs		0			
SLACKOFF WT.				197						TQ. ON BTM		7,250		Bar		Lime		Tackle								DAILY LIQUIDS		0							
BHA HOURS				10						TQ OFF BTM		6,900		Pac-R		Alum Ster		Cost								TOTAL LIQUIDS		0							
HOURS				TIME CODE																															
5.00				2: Drilling																															
0.50				7: Lubricate Rig																															
3.25				2: Drilling																															
0.50				3: Washing/Reaming																															
0.25				3: Washing/Reaming																															
1.25				5: Cond. Mud & Circ																															
0.50				3: Washing/Reaming																															
1.75				3: Washing/Reaming																															
0.50				22: Well Control																															
7.25				6: Tripping																															
0.25				5: Cond. Mud & Circ																															
0.50				6: Tripping																															
0.50				6: Tripping																															
2.00				6: Tripping																															



Ameredev LLC																				Report # 143													
Morning Drilling Report																																	
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE																			
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Sat, May 15, 2021																			
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS											
		12/27/2020		139										16,765		16,765		22		13		2											
Current Operation:				Washing and Reaming to Bottom						Next 24 Hours:				Drill 5 7/8" Section																			
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size																	
Intermediate	9.625" L-80 47# BTC			0	13.235											12 1/4																	
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635,000	11	3	HalCem	410	14.80000	1.33000	0	635 / 410	22																	
Intermediate	13.625" O-125 88.2# BTC			0	7,150	12.375	12.219	10.030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35		17 1/2																	
Intermediate	9.625" L-80 47# BTC			0	13.235	8.681	8.525	6.870	5,740	1,086	1,122	0.073 bbls/ft	963.00000			12 1/4																	
Production	7" HCP-110 32# VA Roughneck			0	16.129	6.094	6.000	11.440	13,000	140,000	125,000	0.03600	0.04780	13,508		8 1/2																	
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI																					
Devonian				70	0		90	30	30																								
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT - 24 HRS.				COST/FT. (OA)				LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP															
4.0	4.875	195.561418	337	59	0.08									16,129		13.5		4,277															
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE																	
3.52	5.5			12	42	5.5		12					148	765																			
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec		Gel - 10 Min		FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT															
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL		WATER		O-W	LIME	ES	LCM																				
12.00	1.90	0.90	2.10	2300.00	1220.00			99.50			0.00		0.00																				
PREV BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA																	
51	0	5 7/8	Baker	KMK323T	5283533	14	14	18	0	0	0	0	0	0	0	0.5492																	
START FT.	END FT.	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON																	
5/13/2021 4:00	5/13/2021 14:45	16443	16743	18.88	60.00	10.75	29.3	10.25	8	8	0	0	0	0	0	NO																	
CUR. BIT #	Re-Run	SIZE	MFGR.	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA																	
52	0	5 7/8	Hughes	J55	EL385	20	18	18	0	0	0	0	0	0	0	0.8038																	
START FT.	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON																	
5/14/2021 13:15	5/14/2021 15:00	16743	16765	23.00	60.00	1.75	2.1	10.25																									
FUEL DELIVERED	FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS								SOIL FARMING / MUD DISPOSAL				FRESH WATER																
FUEL ON HAND	10,979				TOTAL FUEL USED				Gel		Mica		ABQ		DAILY SOLIDS		0		OWNER														
PICKUP WT.	223				AVG. DRAG				20,000		Poly Plus		Quick Thrie		TOTAL SOLIDS		0		DAILY BBLs														
ROTATING WT.	202				MAX. DRAG				21,000		Caustic		Soda Ash		DAILY DISPOSAL COSTS				CUM BBLs														
SLACKOFF WT.	197				TQ. ON BTM				7,250		Bar		Lime		DAILY LIQUIDS		0																
BHA HOURS	0				TQ. OFF BTM				6,900		Pac-R		Alum Ster		TOTAL LIQUIDS		0																
HOURS	TIME CODE																																
0.25	27: Other																																
4.50	6: Tripping																																
0.50	22: Well Control																																
0.75	9: Cut Drlg Line																																
0.50	6: Tripping																																
0.75	3: Washing/Reaming																																
1.75	2: Drilling																																
1.00	3: Washing/Reaming																																
7.00	6: Tripping																																
5.75	6: Tripping																																
0.50	22: Well Control																																
0.50	6: Tripping																																
0.25	3: Washing/Reaming																																
24.00																																	
No Accidents, Spills or Inspections to report.																																	
QTY	BHA ITEM					LENGTH	TIME DISTRIBUTION			DAILY	CUM	KOP MD/TVD		Pen Pt MD/TVD		Lndg Pt MD/TVD																	
1	5 7/8" Bit					1.00	1: MIRR/RODM			0.00	81.00																						
1	Bit Sub BFF					2.79	2: Drilling			1.75	514.50	Depth	Dev.	Azi.	TVD	VS	OLS																
1	5" UBHO					2.84	3: Washing/Reaming			2.00	328.25	14,490	4.04	285	14,482	-137.50	1.62																
1	4 3/4" NMDC					29.39	4: Lost Circulation			0.00	13.75	14,585	3.16	296	14,577	134.41	1.16																
1	4 3/4" NMDC					28.46	5: Cond. Mud & Circ			0.00	231.00	14,680	2.64	307	14,672	133.39	0.79																
6	4 7/8" Drill Collars					186.17	6: Tripping			18.25	924.25	14,774	1.98	316	14,766	133.23	0.81																
21	4" HWDP					643.81	7: Lubricate Rig			0.00	27.00	14,869	1.10	305	14,861	133.19	0.98																
							8: Rig Repair			0.00	55.00	14,964	0.97	223	14,956	132.25	1.43																
							9: Cut Drlg Line			0.75	27.75	15,058	4.31	194	15,050	128.37	3.72																
							10: Deviation Survey			0.00	0.50	15,153	4.97	198	15,145	-126.37	0.80																
							11: Wireline Logging			0.00	175.00	14,248	4.88	202	14,243	193.06	-0.03																
							12: Run Casing			0.00	133.25	15,375	3.91	185	15,367	-137.29	0.14																
							13: Cement Casing			0.00	57.25	15,474	4.00	186	15,465	-141.82	0.10																
							14: Wait On Cement			0.00	20.00	15,568	3.60	171	15,559	-146.42	1.10																
							15: NU BOP's			0.00	122.50	15,662	3.60	161	15,653	-151.56	0.67																
							16: Test BOP's			0.00	44.25	15,746	3.74	154	15,737	-156.58	0.57																
							17: Plug Back			0.00	0.00	15,840	4.00	131	15,831	-162.78	1.64																
							18: Squeeze Cmt			0.00	0.00	15,934	5.32	115	15,924	-170.09	1.97																
							19: Fishing			0.00	73.75	16,028	5.93	111	16,018	-178.49	0.79																
							20: Directional Work			0.00	48.25	16,060	3.96	120	16,050	-181.03	6.67																
							21: Weather			0.00	0.00	16,232	5.49	207	16,221	-189.56	3.81																
							22: Well Control			1.00	208.50	16,327	6.07	200	16,316	-193.38	0.94																
							23: Waiting-Orders/Equip			0.00	19.00	Planned VS =		feet @		azimuth																	
							24: Drill Cmt / Shoe Test			0.00	19.50	DAY DRILLING FOREMAN				CELL PHONE NUMBER																	
							25: Jet & Clean Pits			0.00	0.00	Steven Ritter																					
Joints	DP ITEM	OD	#/FT	GRADE	LENGTH	26: Regulatory			0.00	54.50	NIGHT DRILLING FOREMAN				CELL PHONE NUMBER																		
						27: Other			0.25	211.25	Chris Pitts																						
						28: Other			0.00	16.50	AMEREDDEV PERSONELL																						
						29: Other			0.00	2.50	DRILLING SUPERINTENDENT				JT Wilkerson																		
						30: Other			0.00	0.00	DRILLING ENGINEER				John Zabaldano																		
						31: Other			0.00	0.00	DAY CONTROL ROOM SUP				Hesston Cheatwood																		
					Total Depth				16765.00		NIGHT CONTROL ROOM SUP				Ted Cheatwood																		
						TOTALS			24.00	3409.00																							
Cost Input																																	
Cost Type	Charge	Code		Description						Vendor		Unit Cost	Quantity	Cost	Carry Over																		
8500	0.094	SUPERVISION / CONTRACT		Stephen Ritter / Chris Pitts						Rusco Operating LLC			1.0		Yes																		
8500	0.094	SUPERVISION / CONTRACT		Hesston Cheatwood / Ted Cheatwood						Rusco Operating LLC			1.0		Yes																		
8500	0.024	SURFACE RENTALS		Trash trailer 2 Porta pots, Water and Septic for office trailer, 3 Light Plants						Hoppe's Construction LLC			1.0		Yes																		
8500	0.024	SURFACE RENTALS		Internet & Intercoms						versat Communications US			1.0		Yes																		
8500	0.024	SURFACE RENTALS		Forklift \$150/day						Boland Field Services LLC			1.0		Yes																		
8500	0.024	SURFACE RENTALS		14 x Flat bottom Frac tanks						Blueprint Oilfield Services			1.0		Yes																		
8500	0.024	SURFACE RENTALS		4 Sets of pipe Bolsters						Divine Energy Services Inc			1.0		Yes																		
8500	0.024	SURFACE RENTALS		4 Sets of pipe racks						Divine Energy Services Inc			1.0		Yes																		
8500	0.024	SURFACE RENTALS		PVT/Chokes \$477 plus \$70 on days with gas detection						Pason			1.0		Yes																		
8500	0.01	DRILLING RIG		Citadel Rig #3 (OBM Pay)						Citadel Drilling			1.0		Yes																		
8500	0.024	SURFACE RENTALS		1- 4x4, 3- 6x6 pumps, 1-shaker washer, 1-diesel tank						Johnso Specialty Tools LLC			1.0		Yes																		
8500	0.024	SURFACE RENTALS		Diverter Line, Drive over & Igniter						Iron Horse Tools LLC			1.0		Yes																		
8500	0.124	ETY AND EMERGENCY RESP		H2s Compliance Package						merican Safety Services, In			1.0		Yes																		
8500	0.066	DS CONTROL EQUIP / SERV		Solid Control Equipment and Hands + OBM washgun \$25/day						KSW Oilfield Rental LLC			1.0		Yes																		
8500	0.024	SURFACE RENTALS		Minion Tank						Think Tank			1.0		Yes																		
8500	0.06	O, ADDITIVES, AND CHEMI		Mud additives & driveby mud check (WBM)						NOVA Mud			1.0		Yes																		
8500																																	
8500	0.03	DOWNHOLE RENTALS		597 joints of 4" XT-39 drill pipe and related equipment \$1559.17 / day, start 05.02.21						Platinum Pipe Rentals LLC			1.0		yes																		
8500	0.03	DOWNHOLE RENTALS		6 - 4 7/8" DC XT-39 and 21 4" HWDP XT-39 and related equipment \$363 / day						Platinum Pipe Rentals LLC			1.0		Yes																		
8500	0.048	LL CONTROL EQUIP / SERV		Pruitt PRCD 500 unit is \$130 + \$80 for Orbit valve						Pruitt Tool & Supply Co. Inc			1.0		Yes																		
8500	0.024	SURFACE RENTALS		One joint 3 1/2" If dp, elevators & Becket elevators, (for wear bushing)						Platinum Pipe Rentals LLC			1.0		Yes																		
8500	0.198	MUD LOGGING		Mud Loggers & Equipment						dstone Analytics Mud Logg			1.0		Yes																		
8500	0.203	SHING & SIDETRACK SERV		Deliver and Back Haul Unused mills						Graco Oilfield Services			1.0		No																		
8500	0.203	SHING & SIDETRACK SERV		Fishing Equipment & Services						KLX Energy Services			1.0		No																		
8500	0.032	DIRECTIONAL DRILLING		Rockit Directional System						Nabors			1.0		No																		
8500														\$	-																		
8500														\$	-																		
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Ameredev LLC																	Report # 144										
Morning Drilling Report																											
WELL NAME			AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE															
INDEPENDENCE AGI #1					0		30-025-49081		DRILLING			Sun, May 16, 2021															
DRLG CONTRACTOR	SPUD DATE	DAYS	Daily Cost		Cum Cost		AFE Cum Cost		Perc of AFE Spent		MD	TVD	DAILY FT	FT/HR	ROT HRS												
	12/27/2020	140									17,265	17,265	500	23	22												
Current Operation:			Drilling 5 7/8" Section				Next 24 Hours:				Continue Drilling 5 7/8" Section																
Type	Casing Specs		Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size												
Intermediate	9.625" L-80 47# BTC		0	13,235											12 1/4												
Intermediate	20" N-80 133# BTC		0	3,412	NeoCem	635,000	11	3	HalCem	410	14.80000	1.33000	0	635 / 410	22												
Intermediate	13.625" O-125 88.2# BTC		0	7,150	12,375	12,219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35		17 1/2												
Intermediate	9.625" L-80 47# BTC		0	13,235	8,681	8,525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000			12 1/4												
Production	7" HCP-110 32# VA Roughneck		0	16,129	6,094	6,000	11,440	13,000	140,000	125,000	0.03600	0.04780	13,508		8 1/2												
FORMATION			BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI																
Devonian			70	0	0	90	30	30	30	30	30																
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP													
4.0	4.875	232.8112119	401	72	0.15					16,129		13.5		4,277													
GPS #1	LINER X STROKE		SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE												
3.52	5.5		12	50	3.52		5.5	12				176			1,285												
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT											
8.4	8.4	28.0	28.0						0.0	0.0		0.5		0.0	0.0	0.0											
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM																
12.00	1.90	0.90	2.10	2300.00	1220.00		99.50		0.00		0.00																
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA											
S2	0	5 7/8	Hughes	J55	EL385	20	18		0	0	0	0	0	0	0	0.8038											
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON											
5/14/2021 13:15	5/14/2021 15:00	16743	16765	23.00	60.00	1.75	12.6	1.75	8	8		A	F	0.0625	WT	See Off Production Log											
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA											
53	0	5 7/8	Halliburton	GT064DM	13403579	13	13	13	13	13					0	0.7777											
START FT	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON											
5/15/2021 6:30	5/16/2021 6:00	16765	17265	35.50	63.33	23.5	285.7	1.75																			
FUEL DELIVERED			FUEL USED TODAY			MUD ADDITIVES IN LAST 24 HOURS					SOIL FARMING / MUD DISPOSAL			FRESH WATER													
FUEL ON HAND			TOTAL FUEL USED			Gel			Mica			ABQ			DAILY SOLIDS												
			9,893			188,493									0												
PICKUP WT.			223			AVG. DRAG			20,000			Poly Plus			TOTAL SOLIDS												
															0												
ROTATING WT.			202			MAX. DRAG			21,000			Caustic			DAILY DISPOSAL COSTS												
															CUM BBLs												
SLACKOFF WT.			197			TQ. ON BTM			7,250			Bar			DAILY LIQUIDS												
															0												
BHA HOURS			22			TQ. OFF BTM			6,900			Pac-R			TOTAL LIQUIDS												
															0												
CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																											
0.25	27: Other		Safety Meeting/Crew Handover ..																								
0.25	3: Washing/Reaming		Wash and Ream from 16,740' to 16,765'.																								
8.00	2: Drilling		Rotate w/ Bit #53 From 16765' to 16953' (24ft/hr) w/ 9 WOB, 65 Surf RPM, Motor RPM.																								
0.50	7: Lubricate Rig		Rig Service																								
10.50	2: Drilling		Rotate w/ Bit #53 From 16953' to 17191' (23ft/hr) w/ 90 WOB, 65 Surf RPM, Motor RPM.																								
1.25	5: Cond. Mud & Circ		Circulate to clean the hole.																								
3.25	2: Drilling		Rotate w/ Bit #53 From 17191' to 17265' (23ft/hr) w/ 7.5 WOB, 60 Surf RPM, Motor RPM.																								











## Report # 147

WELL NAME				AFE #	STATE WELL ID #	API #	OBJECTIVE		DATE						
INDEPENDENCE AGI #1					0	30-025-48081	DRILLING		Wed, May 19, 2021						
DRLG CONTRACTOR	SPUD DATE	DAYS		Daily Cost	Cum Cost	AFE Cum Cost	Perc of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS			
	12/27/2020	143						17,750	17,750	0	0	0			
Current Operation:				Side Wall Coring with SLB Wireline @ 17,708'			Next 24 Hours:		Continue Collecting Core Samples Per Geology						
Type	Casing Specs		Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size
Intermediate	9.625" L-80 47# BTC		0	13.235											12 1/4
Intermediate	20" N-80 133# BTC		0	3,412	NeoGem	635.000	11	3	HalCem	410	14.80000	1.33000	0	635 / 410	22
Intermediate	13.625" O-125 88.2# BTC		0	7,150	12.375	12.219	10,030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118 8/5350.35		17 1/2
Intermediate	9.625" L-80 47# BTC		0	13.235	8.681	8.525	6,870	5,740	1,086	1,122	0.073 bbls/ft	963.00000	0.04780	13,508	8 1/2
Production	7" HCP-110 32# VA Roughneck		0	16.129	6.094	6.000	11,440	13,000	140,000	125,000	0.03600				
FORMATION	BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI						
	70	0	0	30	30	30	30	30	30						
Fusselman	JET VELOCITY	HHP/SQ IN BIT DIA.	COST/FT - 24 HRS.	COST/FT. (OA)	LAST SHOE TVD	FRAC GRADIENT MW	MAX. ALLOWABLE SICP								
DP SIZE 4.0	DC SIZE 4.875	DP AV 0	DC AV 0	GPS #1 3.52	LINER X STROKE 5.5	SPM #1 12	SPM #2 12	GPS #3 13	LINER X STROKE 8	SPM #3 13	GPM 0	PUMPS 1,285	PUMP PRESSURE 0.0625	OTHER WT	REASON
GPS #1 3.52	LINER X STROKE 5.5	SPM #1 12	SPM #2 12	GPS #3 13	LINER X STROKE 8	SPM #3 13	GPM 0	PUMPS 1,285	PUMP PRESSURE 0.0625	OTHER WT	REASON				
MW IN 8.4	MW OUT 8.4	VIS IN 28.0	VIS OUT 28.0	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP 0.0	CAKE	SOLIDS 0.5	LGS	LIQUID 0.0	SAND 0.0
PH 12.00	PM 1.90	PF 0.90	MF 2.10	CHLORIDES 2300.00	CALCIUM 1220.00	OIL	WATER 99.50	O-W	LIME 0.00	ES	LCM 0.00				
PREV BIT # 52	Re-Run 0	SIZE 5 7/8	MFGR Hughes	TYPE J55	SERIAL # E1385	JET #1 20	JET #2 18	JET #3 18	JET #4 0	JET #5 0	JET #6 0	JET #7 0	JET #8 0	JET #9 0	JET #10 0
START FT 5/14/2021 13:15	END FT 5/14/2021 15:30	DEPTH IN 16743	DEPTH OUT 16765	AVG WOB 23.00	AVG RPM 60.00	HOURS 1.75	FT/HR 12.6	ROT HRS 1.75	INNER 8	OUTER 8	DULL 10	LOC. A	BEARING F	GAUGE 0.0625	OTHER WT
CUR. BIT # 53	Re-Run 0	SIZE 5 7/8	MFGR Halliburton	TYPE GTD64DM	SERIAL # 13403579	JET #1 13	JET #2 13	JET #3 13	JET #4 13	JET #5 13	JET #6 13	JET #7 0	JET #8 0	JET #9 0	JET #10 0
START FT 5/15/2021 6:30	LAST CHECK 5/17/2021 2:45	DEPTH IN 16765	DEPTH OUT 17750	AVG WOB 19.56	AVG RPM 56.88	HOURS 44.25	FT/HR 562.9	ROT HRS 1.75	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER
FUEL DELIVERED				FUEL USED TODAY 241											
FUEL ON HAND	7,359			TOTAL FUEL USED 191.027	Gel			Mica		ABO		SOIL FARMING / MUD DISPOSAL	DAILY SOLIDS 0	OWNER	FRESH WATER
PICKUP WT. 0				AVG. DRAG 0	Poly Plus			Quick Thin		PolyPac UI		TOTAL SOLIDS 0	DAILY BBLs 0	DAILY BBLs 0	DAILY BBLs 0
ROTATING WT. 0				MAX. DRAG 0	Caustic			Soda Ash		Gelex		DAILY DISPOSAL COSTS	CUM BBLs 0	CUM BBLs 0	CUM BBLs 0
SLACKOFF WT. 0				TQ. ON BTM 0	Bar			Lime		Tackle		DAILY LIQUIDS 0	DAILY LIQUIDS 0	DAILY LIQUIDS 0	DAILY LIQUIDS 0
BHA HOURS 0				TQ OFF BTM 0	Pac-R			Alum Ster		Cost		TOTAL LIQUIDS 0	TOTAL LIQUIDS 0	TOTAL LIQUIDS 0	TOTAL LIQUIDS 0
HOURS	TIME CODE														
9.00	11: Wireline Logging														
6.50	11: Wireline Logging														
2.50	27: Other														
3.50	11: Wireline Logging														
2.00	11: Wireline Logging														
0.50	11: Wireline Logging														



## Report # 148

### Cost Input



Ameredev LLC																				Report # 149	
Morning Drilling Report																					
WELL NAME				AFE #		STATE WELL ID #		API #		OBJECTIVE				DATE							
INDEPENDENCE AGI #1						0		30-025-49081		DRILLING				Fri, May 21, 2021							
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD		TVD		DAILY FT		FT/HR		ROT HRS	
		12/27/2020		145								17,750		17,750		0		0		0	
Current Operation:				Nipping Down BOPE						Next 24 Hours:				Install Frac Valve and Dry Hole Cap/Rig down.							
Type	Casing Specs			Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	SXS Cmt	Hole Size					
Intermediate	9.625" L-80 47# BTC			0	13.235											12 1/4					
Intermediate	20" N-80 133# BTC			0	3,412	NeoCem	635.000	11	3	HalCem	410	14.80000	1.33000	0	635 / 410	22					
Intermediate	13.625" O-125 88.2# BTC			0	7.150	12.375	12.219	10.030	4,800	3,191		0.149 bbls/ft	1,051.00000	3118.9/5350.35	/	17 1/2					
Intermediate	9.625" L-80 47# BTC			0	13.235	8.681	8.525	6.870	5,740	1,086	1,122	0.073 bbls/ft	963.00000		/	12 1/4					
Production	7" HCP-110 32# VA Roughneck			0	16.129	6.094	6.000	11.440	13,000	140,000	125,000	0.03600	0.04780	13,508	/	8 1/2					
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI									
Fusseman				70	0	0	30	30	30	30	30	30									
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF					
4.0	4.875	0	0									16,129		13.5		4,277					
GPS #1	LINER X STROKE			SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS		PUMP PRESSURE					
3.52	5.5			12	5.5		12						0			1,285					
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT					
8.4	8.4	28.0	28.0							0.0		0.5		0.0	0.0	0.0					
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM										
12.00	1.90	0.90	2.10	2300.00	1220.00		99.50		0.00		0.00										
PREV BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
S2	0	5 7/8	Hughes	J55	EL385	20	18	18	0	0	0	0	0	0	0	0.8038					
START FT.	END FT.	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
5/14/2021 13:15	5/14/2021 15:00	16743	16765	23.00	60.00	1.75	12.6	1.75	8	8	0	A	F	0.0625	WT	None (Off Production/Well)					
CUR. BIT #	Re-Run	SIZE	MFGR	TYPE	SERIAL #	JET #1	JET #2	JET #3	JET #4	JET #5	JET #6	JET #7	JET #8	JET #9	JET #10	TFA					
53	0	5 7/8	Halliburton	GT064DM	13403579	13	13	13	13	13	13	0	0	0	0	0.7777					
START FT.	LAST CHECK	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	DULL	LOC.	BEARING	GAUGE	OTHER	REASON					
5/15/2021 6:30	5/17/2021 2:45	16765	17750	19.56	56.88	44.25	562.9	1.75													
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
FUEL ON HAND				6,273				192 113				0				OWNER					
PICKUP WT.		AVG. DRAG		0		Poly Plus		Quick Thin		PolyPac UI		DAILY SOLIDS		TOTAL SOLIDS		DAILY BBLs					
0		0		0		0		0		0		0		0		0					
ROTATING WT.		MAX. DRAG <td colspan="2">0</td> <td colspan="2">Caustic</td> <td colspan="2">Soda Ash</td> <td colspan="2">Galex</td> <td colspan="2">DAILY DISPOSAL COSTS</td> <td colspan="2">CUM BBLs</td> <td colspan="2">0</td>		0		Caustic		Soda Ash		Galex		DAILY DISPOSAL COSTS		CUM BBLs		0					
0		0		0		0		0		0		0		0		0					
SLACKOFF WT.		TQ. ON BTM <td colspan="2">0</td> <td colspan="2">Bar</td> <td colspan="2">Lime</td> <td colspan="2">Tackle</td> <td colspan="2">DAILY LIQUIDS</td> <td colspan="2">TOTAL LIQUIDS</td> <td colspan="2">0</td>		0		Bar		Lime		Tackle		DAILY LIQUIDS		TOTAL LIQUIDS		0					
0		0		0		Pac-R		Alum Ster		Cost		0		0		0					
BHA HOURS		TQ. OFF BTM <td colspan="2">0</td> <td colspan="2">Pac-R</td> <td colspan="2">Alum Ster</td> <td colspan="2">Cost</td> <td colspan="2">0</td> <td colspan="2">0</td> <td colspan="2">0</td>		0		Pac-R		Alum Ster		Cost		0		0		0					
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																	
0.25		27: Other		Safety Meeting/Crew Handover.																	
2.25		6: Tripping		Trip in the Hole from 11,200' to 15,917' with 5.95" OD Mill. Mill went through DV Tool, Float Collar and into CRA Casing with no issues.																	
1.00		9: Cut Drlg Line		Slip and Cut Drilling Line.																	
8.50		6: Tripping		Lay down 4" Drill Pipe from 15,917' to 7,700' filling the hole with calculated fill.																	
0.25		27: Other		Safety Meeting/Crew Handover.																	
4.75		6: Tripping		Lay down 4" Drill Pipe from 7,700' to HWDP filling the hole with calculated fill.																	
1.00		6: Tripping		Run Stands in the hole to 2,251'.																	
2.25		6: Tripping		Lay down all 4" Pipe and Mill.																	
3.75		15' NU BOP's		Pull Mouse hole, Bleed off Accum., Nipple down Flow line, Position BOP Trolley to P/U BOP, Nipple down HCR and BOP. Hook BOP to Trolley to install Production Frac Valve and Vault Dry Hole Cap.																	



**Ameredev LLC**  
**Morning Drilling Report**

Report # 150

WELL NAME				AFE #	STATE WELL ID #	API #	OBJECTIVE			DATE																					
INDEPENDENCE AGI #1					0	30-025-48081	DRILLING			Sat, May 22, 2021																					
DRLG CONTRACTOR		SPUD DATE		DAYS		Daily Cost	Cum Cost		Perc of AFE Spent		MD	TVD	DAILY FT	FT/HR	ROT HRS																
		12/27/2020		146							17,750	17,750	0	0	0																
Current Operation:				RDMO	Next 24 Hours:	Wait on Completions																									
Type		Casing Specs		Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	GV Tool	SXS Cmt	Hole Size															
Intermediate		9.625" L-80 47# BTC		0	13,235											12 1/4															
Intermediate		20" N-80 133# BTC		0	3,412	NeoCem	635.000	11	3	HalCem	410	14.80000	1.33000	0	635 / 410	22															
Intermediate		13.625" Q-125 98.2# BTC		0	7,150	12.375	12.219	10.030	4.800	3.191		0.149 bbls/ft	1.051.00000	3118 9/5358.35		17 1/2															
Intermediate		9.625" L-80 47# BTC		0	13,235	8.681	8.525	6.870	5.740	1.086	1.122	0.073 bbls/ft	963.00000			12 1/4															
Production		7" HCP-110 32# VA Roughneck		0	16,129	6.094	6.000	11.440	13.000	140.000	125.000	0.03600	0.04780	13.508		8 1/2															
FORMATION				BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	LAST SHOE TVD	FRAC GRADIENT MW	MAX. ALLOWABLE SICF																
Fusselman				70	0	0	30		30		30		16,129	13.5	4,277																
DP SIZE		DC SIZE		DP AV		DC AV		JET VELOCITY		HHP/SQ IN BIT DIA.		COST/FT. 24 HRS.		cost/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICF											
4.0		4.875		0		0																									
GPS #1		LINER X STROKE		SPM #1		GPS #2		LINER X STROKE		SPM #2		GPS #3		LINER X STROKE		SPM #3		GPM		PUMP PRESSURE											
3.52		5.5		12		3.52		5.5		12										1.285											
MW IN		MW OUT		VIS IN		VIS OUT		PV		YP		Gel - 10 Sec		Gel - 10 Min		FILTRATE		WPS		HTHP											
PH		PM		PF		MF		CHLORIDES		CALCIUM		OIL		WATER		Q-W		LIME		ES											
12.00		1.90		0.90		2.10		2300.00		1220.00				99.50				0.00		0.00											
PREV BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5											
52		0		5 7/8		Hughes		I55		FL385		20		18		0		0		0											
START FT		END FT		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER											
5/14/2021 13:15		5/14/2021 15:30		16743		16765		23.00		60.00		1.75		12.5		1.75		8		8											
CUR. BIT #		Re-Run		SIZE		MFGR		TYPE		SERIAL #		JET #1		JET #2		JET #3		JET #4		JET #5											
53		0		5 7/8		Halliburton		GTD6ADM		13403579		13		13		13		13		13											
START FT		LAST CHECK		DEPTH IN		DEPTH OUT		AVG WOB		AVG RPM		HOURS		FT/HR		ROT HRS		INNER		OUTER											
5/15/2021 6:30		5/17/2021 2:45		16765		17750		19.56		56.88		44.25		562.9		1.75															
FUEL DELIVERED				FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER															
FUEL ON HAND				TOTAL FUEL USED				192 113				DAILY SOLIDS				0															
PICKUP WT.				AVG. DRAG				0				PolyPac Ui				TOTAL SOLIDS				0											
ROTATING WT.				MAX. DRAG				0				Soda Ash				Gelex				DAILY DISPOSAL COSTS				0							
SLACKOFF WT.				TQ. ON BITM				0				Bar				Tackle				DAILY LIQUIDS				0							
BHA HOURS				TQ OFF BTM				0				Pac-R				Alum Ster				Cost				TOTAL LIQUIDS				0			
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																											
24.00		27: Other		***Citadel Rig #3 Released 5/21/2021 @ 06 00 am***																											



