

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-48081
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other ACID GAS INJECTION <input checked="" type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator AMEREDEV OPERATING, LLC		6. State Oil & Gas Lease No.
3. Address of Operator 2901 VIA FORTUNA, SUITE 600; AUSTIN, TX 78746		7. Lease Name or Unit Agreement Name INDEPENDENCE AGI
4. Well Location Unit Letter <u>C</u> : <u>829</u> feet from the <u>NORTH</u> line and <u>1,443</u> feet from the <u>EAST</u> line Section <u>20</u> Township <u>25S</u> Range <u>36E</u> NMPM County <u>LEA</u>		8. Well Number <u>1</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,103' (GR)		9. OGRID Number 372224
10. Pool name or Wildcat AGI; DEVONIAN/FUSSELMAN		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

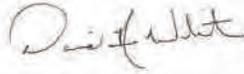
<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: Submittal of Daily Drilling Reports <input checked="" type="checkbox"/>	
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Pursuant to the requirements of Condition No. 5 of the NMOCD Recommended General Conditions of Approval for NMOCC Order 21455-A, we are providing, as an attachment to this submittal, all daily drilling reports for the Ameredev Independence AGI No. 1 well (API: 30-025-48081).

Spud Date:  Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Consultant to Ameredev DATE 07/06/2021

Type or print name David A. White E-mail address: dwhite@geolex.com PHONE: (505)842-8000  
**For State Use Only**

APPROVED BY: Accepted for Record - John G TITLE Petroleum Specialist DATE 11/1/2021  
 Conditions of Approval (if any):

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

DAILY DRILLING REPORTS  
(1 OF 2)



































Morning Drilling Report

WELL NAME	AFE #	STATE WELL ID #	API #	OBJECTIVE	DATE
INDEPENDENCE AGI #1		0	30-025-40081	DRILLING	Sun, January 10, 2021
DRILG CONTRACTOR	SPUD DATE	DAYS	Daily Cost	Perf of AFE Spent	MD
	12/27/2020	14			3,450
Current Operation	Rig Up Schlumberger Wireline for CBL		Next 24 Hours	Run CBL to verify TOC	

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"	3,412	3,410	NeoCem	635.000	11	3	HalCem	410	14.80000	1.33000	No	0	22

FORMATION	Bigg	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI
	0	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 SICP
5.0	6.500	11.1765/2269	12	49	0.01			3,410	11.3	177

GPS #1	LINEAR X STROKE	SPM #1	GPS #2	LINEAR X STROKE	SPM #2	GPS #3	LINEAR X STROKE	SPM #3	GPM	PUMPS	PUMP PRESSURE
4.19	6.0	50	4.19	6.0	0				209		65

MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HHP	CAKE	SOULDS	LGS	LIQUID	SAND	MBT
10.3	10.3	28.0	28.0	1.0	2.0	1.0	3.0	100.0	0.0	0.0	0.0	0.0	3.4	87.8	0.0	0.0

PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	D W	LIME	ES	LCM
9.00	0.00	0.00	0.00	185000.00	2000.00	0.00	0.00	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
5	0	22	Baker Hughes	GTX-CG1	5275914	24	24	24	16	0	0	0	0	0	0	1.5217

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
1/4/2021 17.30	1/5/2021 13.45	1423	2142	37.60	15.67	20.25	49.5	17.75	2	2	BT	M	E	I	WT	Reason

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
6	0	22	Baker Hughes	KM633X	5315651	15	15	15	15	15	15	15	15	15	15	1.3806

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
1/5/2021 19.15	1/8/2021 5.00	2142	3450	33.70	32.00	57.75	44.7	29.252	1	2	WT	A	E	I	NO	Casing Point

FUEL DELIVERED	FUEL USED TODAY	MUD ADDITIVES IN LAST 24 HOURS	SOIL FARMING / MUD DISPOSAL	FRESH WATER
7,234	659			

FUEL ON HAND	TOTAL FUEL USED	Gel	Mica	ABO	DAILY SOLIDS	OWNER
12,125	18,115				0	

PICKUP WT.	AVG. DRAG	Poly Plus	Quick Thin	PolyPac Uj	TOTAL SOLIDS	DAILY BBLs
350	0				0	0

ROTATING WT.	MAX. DRAG	Caustic	Soda Ash	Gelex	DAILY DISPOSAL COSTS	CUM BBLs
0	0				0	0

SLACKOFF WT.	TQ. ON BTM	Bar	Lime	Tackle	DAILY LIQUIDS	
240	0				0	

BHA HOURS	TQ. OFF BTM	Pac-R	Alum Star	Cost	TOTAL LIQUIDS	
0	0				0	

HOURS	TIME CODE	CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )
0.25	27: Other	Safety Meeting/Crew Handover.

2.25	5: Cond. Mud & Circ	Circulate while Making up Stands in the Mouse Hole.
0.50	13: Cement Casing	Rig up floor to run Inner String Drill Pipe.

5.50	13: Cement Casing	Trip in the hole to 3,364'. String into Float Collar. Set down 35k with Stinger.
1.00	13: Cement Casing	Circulate while getting Cementing Equipment Rigged up to the floor.

0.25	13: Cement Casing	Hold Safety Meeting with Cementers and Rig Crew.
2.25	13: Cement Casing	Test surface lines to 3500 psi. Pump 40 Bbls gel water Mud Flush III at 5 BPM. Mix & pump 306 Bbls of 11 ppg lead, (635 sks NeoCem), 2,722 cuft/sr yield, 16.9 gal/sx. Followed by 97 Bbls of 14.8 ppg tail, (410 sks HalCem) 1.33 cuft/sx yield, 6.36 gal/sx at 5 BPM. Drop plug and displace with 55 Bbls of fresh water at 5BPM, reduce rate to 3 BPM to bump plug with 640 psi FCP, increase to 1840 psi. Floats holding, Full returns throughout the cement job. No cement returns to surface, observe 30 Bbls of Mud Flush III spacer back to surface. Notify NMOCD of no cement returns to surface by voicemail and email.

0.25	27: Other	Safety Meeting/Crew Handover.
0.25	13: Cement Casing	Rig down Halliburton Cementers from rig floor.

4.00	6: Tripping	TOH with 5" drill pipe stinger assembly.
7.50	14: Wait On Cement	WOC, clean mud pits.

24.00		No Accidents, Spills or Inspections to report
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QTY	BHA ITEM	LENGTH	TIME DISTRIBUTION	DAILY	CUM	KOP MD/TVD	Pen Pt MD/TVD	Lndg Pt MD/TVD
1	22" Bit	2.10	1 MIRU/RDMO	0.00	81.00			

1	9-5/8 NOV 6/7 5@1.5 SLK SLV	31.00	2 Drilling	0.00	81.75	Depth	Dev.	Azi	TVD	VS	DLS
1	8" Shock Sub	14.00	3 Washing/Reaming	0.00	0.50						

1	8" UBHO Sub	3.00	4 Lost Circulation	0.00	0.00	0	0.00	0	0	0.00	0.00
1	8" NMDC	30.00	5 Cond. Mud & Circ	2.25	11.00	180	0.67	207	180	-1.01	0.37

1	8" Pony Collar	14.00	6 Tripping	4.00	55.00	234	0.66	200	234	-1.60	0.16
1	8" NMOC	30.00	7 Lubricate Rig	0.00	2.75	295	0.90	200	295	-2.36	0.39

12	8" Drill Collars	359.00	8 Rig Repair	0.00	21.25	390	0.35	194	390	-3.31	0.58
1	XO 6 5/8 Reg PH x 4 1/2 IF BX	4.00	9 Cut Drlg Line	0.00	0.00	481	0.25	181	481	-3.70	0.14

15	6.5" Drill Collars	455.00	10 Deviation Survey	0.00	0.00	572	0.42	37	572	-3.51	0.70
15	5" HWDP	455.00	11 Wireline Logging	0.00	19.00	663	0.50	41	663	-2.78	0.09

			12 Run Casing	0.00	40.50	754	0.43	20	754	-2.07	0.20
			13 Cement Casing	9.75	17.00	876	0.29	4	876	-1.41	0.14

			14 Wait On Cement	7.50	15.25	941	0.00	0	941	-1.28	0.45
			15 NU BOP's	0.00	35.50	1,033	0.20	290	1,033	-1.34	0.22

			16 Test BOP's	0.00	2.50	1,123	0.22	329	1,123	-1.36	0.16
			17 Plug Back	0.00	0.00	1,215	0.22	268	1,215	-1.44	0.24

			18 Squeeze Cmt	0.00	0.00	1,307	0.37	81	1,307	-1.33	0.64
			19 Fishing	0.00	0.00	1,437	4.34	72	1,437	3.32	3.06

			20 Directional Work	0.00	15.50	1,532	4.89	67	1,532	10.17	0.70
			21 Weather	0.00	0.00	1,627	4.00	71	1,626	16.79	0.99

			22 Well Control	0.00	0.00	1,721	3.03	74	1,720	21.81	1.05
			23 Waiting-Orders/Equip	0.00	0.00						

			24 Drill Cmt / Shoe Test	0.00	1.00						
			25 Jet & Clean Pits	0.00	0.00						

			26 Regulatory	0.00	0.00						
			27 Other	0.50	32.00						

			28 Other	0.00	0.50						
			29 Other	0.00	0.00						

			30 Other	0.00	0.00						
			31 Other	0.00	0.00						

			TOTALS	24.00	432.00						
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Motor RPG	0.13	BHA	1397.10	DAY DRILLING FOREMAN	CELL PHONE NUMBER
				Hesston Cheatwood	

DP ITEM	OD	#/FT	GRADE	LENGTH	NIGHT DRILLING FOREMAN	CELL PHONE NUMBER
					Marcus Jenkins	

AMEREDDEV PERSONELL						
					DRILLING SUPERINTENDENT	JT Wilkerson

					DRILLING ENGINEER	Diego Barreda
					DAY CONTROL ROOM SUP	Chris Huff

					NIGHT CONTROL ROOM SUP	Andy Slusarchuk
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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.	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	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	Pason		1.0		Yes
8500	0.024	SURFACE RENTALS	Flange for diverter Rental 4 1/16" 10k x 8" 150	McGuire Industries Inc.		1.0		Yes
8500	0.01	DRILLING RIG	Citadel Rig #3	Citadel Drilling		1.0		Yes
8500	0.024	SURFACE RENTALS	3- 4X4 Transfer Pumps	Johnso Specialty Tools LLC		1.0		Yes
8500	0.048	LL CONTROL EQUIP / SERVICE	Diverter Line, Drive over , Ecobox	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	KSW Oilfield Rental LLC		1.0		Yes
8500	0.186	GEOLOGY	Mud Logging Service	lactstone Analytics Mud Logg		1.0		Yes
8500	0.032	DIRECTIONAL DRILLING	MWD Services	Halliburton Energy Services		1.0		Yes
8500	0.024	SURFACE RENTALS	Hydraulic Cellar Pump	Johnson Specialty Tools LLC		1.0		Yes
8500	0.048	LL CONTROL EQUIP / SERV	30" Diverter (Approximate Day Rate)	weatherford U.S. L.P.(FDC49		1.0		Yes
8500	0.06	D						



















Morning Drilling Report

WELL NAME			AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE		
INDEPENDENCE AGI #1			[REDACTED]		0		30-025-49081		DRILLING			Wed, January 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	24	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]	5,640	5,640	0	0	0	

Current Operation:	Tripping in hole with directional tools.										Next 24 Hours:				Drill 17.5" 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				

FORMATION																					
Bell Canyon																					
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						218		#VALUE!				3,412				9.0		71	
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				
4.19	6.0 12			108	4.19	6.0 12			108					904		2,100					
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					
10.00	0.00	0.00	0.00	0.00	0.00	12000.00	0.00	0.00	0.00	0.00	0.00	0.0	0.5	0.0	0.0	0.0					
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM										
10.00	0.00	0.00	0.00	0.00	800.00	0.00	0.00	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					
9	0	17 1/2"	Ulterra	CF-616	51407	16	12	12	12	18	18	18	18	18	18	1.7702					
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					
1/18/2021 15:15	1/18/2021 22:00	5201	5640	35.00	35.00	6.75	65.0	6.75	2	8	RO	G	X	I	BT	TFA					
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					
10	0	17 1/2"	Baker	GTX C1	5291103	24	24	24	2	0	0	0	0	0	0	1.3254					
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					
10		0	0																		

FUEL DELIVERED															
FUEL ON HAND	9,652	TOTAL FUEL USED	35,089	Gel	Mica	ABQ	DAILY SOLIDS	0	OWNER						
PICKUP WT.	205	AVG. DRAG	15	Poly Plus	Quick Thru	PolyPac UI	TOTAL SOLIDS	0	DAILY BBLs	0					
ROTATING WT.	187	MAX. DRAG	18	Caustic	Soda Ash	Gelex	DAILY DISPOSAL COSTS		CUM BBLs	0					
SLACKOFF WT.	170	TQ. ON BTM	4,000	Bar	Lime	Tackle	DAILY LIQUIDS	0							
BHA HOURS	6	TQ. OFF BTM	21,000	Pac-R	Alum Ster	Cost	TOTAL LIQUIDS	0							

CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )															
0.25	27: Other	Safety meeting with rig crew.													
7.25	19: Fishing	Wait on fishing tools (Mills) to mill up bar that fell in the hole.													
0.75	19: Fishing	Pickup and strap Mill, junk basket and cross overs.													
1.25	19: Fishing	TIH with DC's.													
3.00	19: Fishing	TIH with mill and junk basket.													
1.00	19: Fishing	Wash from 5480' to 5640'													
3.25	19: Fishing	Mill from 5640' to 5641' W/ 850 gpm 7-25 WOB, 15-30 RPM													
5.75	6 Tripping	Trip out of hole, L/D mill													
1.50	20: Directional Work	Make up Bit and Directional tools Scribe Motor, TIH													
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	17 1/2" Baker bit	2.00	1: MIRU/RDMO	0.00	81.00										
1	9 5/8 NOV 6/7 5.0 FXD @ 1.50	3.00	2: Drilling	0.00	119.00	Depth	Dev.	Azi.	TVD	VS	DLS				
1	8" shock sub	14.00	3: Washing/Reaming	0.00	2.25										
1	17 1/4" Stabilizer	8.00	4: Lost Circulation	0.00	0.00	0	0.00	0	0	0.00	0.00				
1	8" UBHO	3.00	5: Cond. Mud & Circ	0.00	21.00	180	0.67	207	180	-1.01	0.37				
1	8" NMDC	30.00	6: Tripping	5.75	94.50	234	0.66	200	234	-1.60	0.16				
1	8" Pony collar	14.00	7: Lubricate Rig	0.00	4.00	295	0.90	200	295	-2.36	0.39				
1	8" NMDC	30.00	8: Rig Repair	0.00	21.25	390	0.35	194	390	-3.31	0.58				
9	8" DC's	268.00	9: Cut Drig Line	0.00	1.00	481	0.25	181	481	-3.70	0.14				
1	XO 6 5/8 Reg (B) X 4 1/2 IF (B)	4.00	10: Deviation Survey	0.00	0.80	572	0.42	37	572	-3.51	0.70				
15	6 1/2" DC's	455.00	11: Wireline Logging	0.00	28.25	663	0.50	41	663	-2.78	0.09				
24	5" HWOP	733.00	12: Run Casing	0.00	40.50	754	0.43	20	754	-2.07	0.20				
			13: Cement Casing	0.00	21.00	876	0.29	4	876	-1.41	0.14				
			14: Wait On Cement	0.00	20.00	941	0.00	0	941	-1.28	0.45				
			15: NU BOP's	0.00	65.00	1,033	0.20	290	1,033	-1.34	0.22				
			16: Test BOP's	0.00	10.50	1,123	0.22	329	1,123	-1.36	0.16				
			17: Plug Back	0.00	0.00	1,215	0.22	268	1,215	-1.44	0.24				
			18: Squeeze Cmt	0.00	0.00	1,307	0.37	81	1,307	-1.33	0.64				
			19: Fishing	16.50	18.25	1,437	4.34	72	1,437	3.32	3.06				
			20: Directional Work	1.50	19.00	1,532	4.89	67	1,532	10.17	0.70				
			21: Weather	0.00	0.00	1,627	4.00	71	1,625	16.79	0.99				
			22: Well Control	0.00	1.00	1,721	3.03	74	1,720	21.81	1.05				
			23: Waiting-Orders/Equip	0.00	0.00										
			24: Drill Cmt / Shoe Test	0.00	1.00										
			25: Jet & Clean Pts	0.00	0.00										
			26: Regulatory	0.00	54.50										
			27: Other	0.25	35.75										
			28: Other	0.00	13.25										
			29: Other	0.00	0.00										
			30: Other	0.00	0.00										
			31: Other	0.00	0.00										
			TOTALS	24.00	672.00										

Cost Input															
Cost Type	Charge	Code	Description	Vendor	Unit Cost	Quantity	Cost	Carry Over							
8500	0.094	SUPERVISION / CONTRACT	Ricky Harris/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	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									



Ameredeve LLC

Report # 30

Morning Drilling Report

WELL NAME			AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE			
INDEPENDENCE AGI #1			[REDACTED]		0		30-025-49081		DRILLING			Fri, January 22, 2021			
DRLG CONTRACTOR		SPUD DATE	DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD	TVD	DAILY FT	FT/HR	ROT HRS
[REDACTED]		12/27/2020	26		[REDACTED]		[REDACTED]		[REDACTED]		6,507	6,341	527	47	11

Current Operation:		Drilling 17.5" Intermediate				Next 24 Hours:				Drill Intermediate				
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

FORMATION		BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	FRAC GRADIENT MW				MAX. ALLOWABLE SICP	
Bell Canyon		170	278	0	90	30	30	30	30	30	3,412				35	
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA. #VALUE!		COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		PUMP PRESSURE			
5.0	6.500			260									2,100			
GPS #1	LINER X STROKE		SPM #1	GPS #2	LINER X STROKE		SPM #2	GPS #3	LINER X STROKE		SPM #3	GPM	PUMPS			
4.19	6.0		12	4.19	6.0		12	108	6.0		12	904	2,100			
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT
8.8	8.9	28.0	28.0	1.0	1.0	1.0	1.0	100.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM					
9.00	0.15	0.05	0.15	600.00	600.00	0.00	96.60	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
11	0	17 1/2"	Baker	6065	5261740	15	15	15	15	15	15	15	15	15	15	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	REASON
1/21/2021 6:15	1/21/2021 7:15	5980	5982	22.50	30.00	1	2.0	15	4	8	DBR	Guage	X			
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
12	0	17 1/2"	Baker	VM-20G	5281106	22	22	22	0	0	0	0	0	0	0	1.1137
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
1/21/2021 18:18	1/22/2021 6:00	5982	6507	51.67	50.00	11.75	51.2	10.25								

FUEL DELIVERED		FUEL USED TODAY				MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER				
FUEL ON HAND		6,867		TOTAL FUEL USED		37,874		Gel		Mica		ABQ		DAILY SOLIDS		0	OWNER	
PICKUP WT.		205		AVG. DRAG		15		Poly Plus		Quick Thin		PolyPac UI		TOTAL SOLIDS		0	DAILY BBLs	0
ROTATING WT.		187		MAX. DRAG		18		Caustic		Soda Ash		Gelex		DAILY DISPOSAL COSTS		CUM BBLs		0
SLACKOFF WT.		170		TQ. ON BITM		11,100		Bar		Lime		Tackle		DAILY LIQUIDS		0		
BHA HOURS		11		TQ. OFF BITM		7,600		Pac-R		Alum Ster		Cost		TOTAL LIQUIDS		0		
HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )														
0.25	27: Other	Safety meeting with rig crew.																
1.00	2: Drilling	Rotate w/ Bit #11 From 5980' to 5982' (2'ft/hr) w/ 25 WOB, 30 Surf RPM, 110.5 Motor RPM.																
1.00	5: Cond. Mud & Circ	Circulating while repairing TM-120 preparing to TDH for bit.																
2.75	6: Tripping	TOH for new bit.																
0.50	6: Tripping	Remove rotating head and install trip nipple.																
2.50	6: Tripping	Finish TOH change out MWD tool and bit.																
1.25	6: Tripping	TIH to 1,561'.																
0.50	6: Tripping	Remove trip nipple and install rotating head.																
2.25	6: Tripping	TIH from 1,561' to 5937'. Wash from 5937-5982'.																
0.25	27: Other	Safety meeting with rig crew.																
1.00	2: Drilling	Rotate w/ Bit #12 From 5982' to 6015' (33'ft/hr) w/ 50 WOB, 50 Surf RPM, 117 Motor RPM.																
1.00	27: Other	Change out Rotating Head																
3.25	2: Drilling	Rotate w/ Bit #12 From 6015' to 6224' (64'ft/hr) w/ 50 WOB, 50 Surf RPM, 117 Motor RPM.																
0.50	7: Lubricate Rig	Rig Service																
6.00	2: Drilling	Rotate w/ Bit #12 From 6224' to 6507' (47'ft/hr) w/ 55 WOB, 50 Surf RPM, 117 Motor RPM.																

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	17 1/2" Baker bit	2.00	1: MWD/RDMO	0.00	81.00										
1	9 5/8 NOV 6/7 5.0 FXD @ 1.50	3.00	2: Drilling	11.25	140.00	Depth	Dev.	Azi.	TVD	VS	DLS				
1	8" shock sub	14.00	3: Washing/Reaming	0.00	2.25	4,454	0.77	83	4,451	90.49	0.06				
1	17 1/4" Stabilizer	8.00	4: Lost Circulation	0.00	0.00	4,548	0.68	93	4,545	91.32	0.17				
1	8" UBHO	3.00	5: Cond. Mud & Circ	1.00	22.00	4,643	0.87	90	4,640	92.18	0.21				
1	8" NMDC	30.00	6: Tripping	9.75	117.00	4,737	0.87	89	4,734	93.16	0.02				
1	8" Pony collar	14.00	7: Lubricate Rig	0.50	4.50	4,831	0.75	90	4,828	94.08	0.13				
1	8" NMDC	30.00	8: Rig Repair	0.00	21.25	4,926	0.85	99	4,923	94.90	0.16				
9	8" DC's	258.00	9: Cut Drig Line	0.00	1.75	5,020	0.93	97	5,017	95.75	0.09				
1	XO 6 5/8 Reg (P) X 4 1/2 IF (B)	4.00	10: Deviation Survey	0.00	0.00	5,115	1.12	90	5,112	96.84	0.24				
15	6 1/2" DC's	455.00	11: Wireline Logging	0.00	28.25	5,209	1.05	70	5,206	98.24	0.39				
24	5" HWDP	733.00	12: Run Casing	0.00	40.50	5,304	0.98	56	5,301	99.81	0.27				
			13: Cement Casing	0.00	21.00	5,399	0.99	53	5,396	101.41	0.06				
			14: Wait On Cement	0.00	20.00	5,493	0.67	57	5,490	102.74	0.35				
			15: NU BOP's	0.00	65.00	5,590	0.44	63	5,587	103.64	0.24				
			16: Test BOP's	0.00	10.50	5,780	0.19	289	5,777	104.20	0.31				
			17: Plug Back	0.00	0.00	5,875	0.34	258	5,872	103.90	0.21				
			18: Squeeze Cmt	0.00	0.00	5,969	0.58	260	5,966	103.29	0.26				
			19: Fishing	0.00	18.25	6,060	0.76	258	6,057	102.42	0.20				
			20: Directional Work	0.00	19.00	6,155	0.87	252	6,152	101.27	0.14				
			21: Weather	0.00	0.00	6,249	0.85	252	6,246	100.03	0.02				
			22: Well Control	0.00	1.00	6,344	0.79	251	6,341	98.84	0.06				
			23: Waiting-Orders/Equip	0.00	0.00										
			24: Drill Cmt / Shoe Test	0.00	1.00										
			25: Jet & Clean Pits	0.00	0.00										
			26: Regulatory	0.00	54.50										
			27: Other	1.50	38.00										
			28: Other	0.00	13.25										
			29: Other	0.00	0.00										
			30: Other	0.00	0.00										
			31: Other	0.00	0.00										
			TOTALS	24.00	720.00										
Motor RFG	0.13	BHA	1564.00			DAY DRILLING FOREMAN		Ricky Harris		CELL PHONE NUMBER					
DP ITEM	OD	#/FT	GRADE	LENGTH			NIGHT DRILLING FOREMAN		Stephen Ritter		CELL PHONE NUMBER				
156	DP	5	S-135	5006.32			AMEREDDEV PERSONNEL		DRILLING SUPERINTENDENT		JT Wilkerson				
							DRILLING ENGINEER		Diego Barreda						
							DAY CONTROL ROOM SUP		David Pope						
							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	Ricky Harris/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 US		1.0		Yes	
8500	0.024	SURFACE RENTALS	Forklift	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	3- 4X4 Transfer Pumps	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	STY AND EMERGENCY RESPQ	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	0.186	GEOLOGY	Mud Logging Service	dstone 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	0.032	DIRECTIONAL DRILLING	NOV Motor charge	National Oilwell Varco		1.0		Yes	
8500	0.048	LL CONTROL EQUIP / SERVI	21 1/4" BOP Rams, Annular, Mud Cross, DSA's	eamerford U.S. LP.(FDC49		1.0		Yes	
8500	0.048	LL CONTROL EQUIP / SERVI	Spacer Spool for 21 1/4" BOP	eamerford U.S. LP.(FDC49		1.0		Yes	
8500	0.048	LL CONTROL EQUIP / SERVI	21 1/4" Rotating Head	Opla		1.0		Yes	
8500	0.138	WELDING & MATERIALS	Weld 3/4" stainless steel long string and short string for 20" cement top up	ONAX LLC		1.0		Yes	
8500	0.032	DIRECTIONAL DRILLING	MWD Daily cost	Halliburton Energy Services		1.0		Yes	
8500	0.06	O, ADDITIVES, AND CHEMIC	Mud additives & driveby mud check	Halliburton Energy Services		1.0		Yes	
8500	0.028	DRILL BITS	BHA #9 Varel UNON 716 #4011851	Varel		1.0		No	
8500	0.212	INTERMEDIATE CASING	Trucking of 13 5/8" Casing to location	B&I Pipeco Services Inc		1.0		No	
8500	0.212	INTERMEDIATE CASING	Float Equipment for first Intermediate Casing	Halliburton Energy Services		1.0		No	
8500	0.21	SURFACE CASING	Float Equipment for Surface Casing	Halliburton Energy Services		1.0		No	
8500	0.02	WATER & SEPTIC	Water for Camp and Portable Toilets	Hoppe's Construction LLC		1.0			





Morning Drilling Report

WELL NAME			AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE		
INDEPENDENCE AGI #1			[REDACTED]		0		30-025-49081		DRILLING			Mon, January 25, 2021		
DRLG CONTRACTOR	SPUD DATE	DAYS	Daily Cost	Cum Cost	AFE Cum Cost		Perf of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS		
	12/27/2020	29	[REDACTED]	[REDACTED]	[REDACTED]		[REDACTED]	7,240	7,168	0	0	0		

Current Operation:														
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

FORMATION																
Bell Canyon																
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			260	#VALUE!					3,412		9.0		35		
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
4.19	6.0	12		108	4.19	6.0	12	108					904			2,100
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT
8.8	8.9	28.0	28.0	1.0	4.0	1.0	2.0	100.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM					
9.50	0.30	0.15	0.25	12000.00	12000.00	0.00	96.60	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
11	0	17 1/2"	Baker	6065	5261740	15	15	15	15	15	15	15	15	15	15	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	REASON
1/24/2021 6:15	1/21/2021 7:15	5982	5982	22.50	30.00	1	2.0	1	4	8	DBR	Guage	X	IN	BT	See Other Reason
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
12	0	17 1/2"	Baker	VM-20G	5281106	22	22	22	22	0	0	0	0	0	0	1.1137
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
1/21/2021 18:15	1/22/2021 22:15	5982	7240	53.00	50.00	28	50.3	25	2	7	BT	G	E	IN	NO	Planned Trip

FUEL DELIVERED															
FUEL ON HAND															
PICKUP WT.															
ROTATING WT.															
SLACKOFF WT.															
BHA HOURS															
HOURS															
TIME CODE															
CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )															
2.00	19: Fishing	Wait on Retainer bolts for control													
4.00	19: Fishing	PISA, RIH with side entry sub, 5 1/2" overshot and 2 1/4" grapple from surface to 3000'. Cable tension 3800 lbs													
2.00	19: Fishing	Continue to RIH. At 4300' cable tension dropped from 3800 lbs to 3200 lbs. Spooled ~10' of wireline with no issues indicating the wire was free. Continue to spool wireline to 4550'													
8.50	19: Fishing	Flow check: static. TOH from 4300' with drill pipe and wireline to surface. Rig down Wireline, Notified Paul Kautz by phone and e-mail with our Intent to Run Casing.													
1.50	12: Run Casing	PJM: R/U Franks casing Equipment													
1.00	12: Run Casing	Make up Shoe track pump through same													
1.00	27: Other	Center BOP's													
4.00	12: Run Casing	Run 13.625" casing													

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	17 1/2" Baker bit	2.00	1: MUR/RDMO	0.00	81.00										
1	9 5/8 NOV 6/7 5.0 FXD @ 1.50	3.00	2: Drilling	0.00	154.75	Depth	Dev	Azi	TVD	VS	OLS				
1	8" shock sub	14.00	3: Washing/Reaming	0.00	2.25	5,304	0.98	56	5,301	99.81	0.27				
1	17 1/4" Stabilizer	8.00	4: Lost Circulation	0.00	0.00	5,399	0.99	53	5,396	101.41	0.06				
1	8" UBHD	3.00	5: Cond. Mud & Circ	0.00	25.50	5,493	0.67	57	5,490	102.74	0.35				
1	8" NMDC	30.00	6: Tripping	0.00	121.75	5,590	0.44	63	5,587	103.64	0.24				
1	8" Pony collar	14.00	7: Lubricate Rig	0.00	4.50	5,780	0.19	289	5,777	104.20	0.31				
1	8" NMDC	30.00	8: Rig Repair	0.00	22.50	5,875	0.34	258	5,872	103.90	0.21				
9	8" DC's	268.00	9: Cut Drg Line	0.00	1.75	5,969	0.58	260	5,966	103.29	0.26				
1	XO 6 5/8 Reg (R) X 1 1/2 IF (B)	4.00	10: Deviation Survey	0.00	0.00	6,060	0.76	258	6,057	102.42	0.20				
15	6 1/2" DC's	455.00	11: Wireline Logging	0.00	41.25	6,155	0.87	252	6,152	101.27	0.14				
24	5" HWDP	733.00	12: Run Casing	0.00	47.00	6,249	0.85	252	6,246	100.03	0.02				
			13: Cement Casing	0.00	21.00	6,344	0.79	251	6,341	98.84	0.06				
			14: Wait On Cement	0.00	20.00	6,438	0.75	250	6,435	97.72	0.05				
			15: NU BOP's	0.00	65.00	6,532	0.56	258	6,529	96.79	0.22				
			16: Test BOP's	0.00	10.50	6,626	0.46	273	6,623	96.17	0.18				
			17: Plug Back	0.00	0.00	6,720	0.41	297	6,717	95.84	0.20				
			18: Squeeze Cmt	0.00	0.00	6,814	0.48	311	6,811	95.73	0.13				
			19: Fishing	16.50	42.75	6,911	0.55	325	6,908	95.81	0.15				
			20: Directional Work	0.00	20.75	7,006	0.55	344	7,003	96.14	0.19				
			21: Weather	0.00	0.00	7,101	0.68	21	7,098	96.90	0.43				
			22: Well Control	0.00	1.50	7,171	0.92	33	7,168	97.84	0.41				
			23: Waiting-Orders/Equip	0.00	0.00				Planned VS =	feet @	azimuth				
			24: Drill Cmt / Shoe Test	0.00	1.00				DAY DRILLING FOREMAN		CELL PHONE NUMBER				
			25: Jet & Clean Pits	0.00	0.00				Diego Barrada						
Joints	DP ITEM	OD	#/FT	GRADE	LENGTH	26: Regulatory	0.00	54.50	NIGHT DRILLING FOREMAN		CELL PHONE NUMBER				
180	DP	5	19.5	S-135	5706.21	27: Other	1.00	39.50	Stephen Ritter						
						28: Other	0.00	13.25	AMEREDDEV PERSONNEL						
						29: Other	0.00	0.00	DRILLING SUPERINTENDENT		JT Wilkerson				
						30: Other	0.00	0.00	DRILLING ENGINEER		Diego Barrada				
						31: Other	0.00	0.00	DAY CONTROL ROOM SUP		David Pope				
						TOTALS	24.00	792.00	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	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	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	3- 4X4 Transfer Pumps	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	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	0.186	GEOLOGY	Mud Logging Service	dstone 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	0.032	DIRECTIONAL DRILLING	NOV Motor charge	National Oilwell Varco		1.0		Yes							
8500	0.048	LL CONTROL EQUIP / SERV	21 1/4" BOP Rams, Annular, Mud Cross, DSA's	eamerford U.S. LP.(FDC492		1.0		Yes							
8500	0.048	LL CONTROL EQUIP / SERV	Spacer Spool for 21 1/4" BOP	eamerford U.S. LP.(FDC492		1.0		Yes							
8500	0.048	LL CONTROL EQUIP / SERV	21 1/4" Rotating Head	Opla		1.0		Yes							
8500	0.138	WELDING & MATERIALS	Weld 3/4" stainless steel long string and short string for 20" cement top up	ONAX LLC		1.0		Yes							
8500	0.032	DIRECTIONAL DRILLING	MWD Daily cost	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	0.2	LINE / PERF / PUMPDOWN	Schlumberger Standby (16hrs @ \$500/hr)	slumberger Technology Co		1.0		No							
8500	0.203	SHING & SIDETRACK SERV	Fisherman and Tools	Graco Oilfield Services		1.0		No							
8500							\$ -								
8500							\$ -								
8500							\$ -								

















Morning Drilling Report

WELL NAME	AFE #	STATE WELL ID #	API #	OBJECTIVE	DATE
INDEPENDENCE AGI #1		0	30-025-49081	DRILLING	Wed, February 3, 2021
DRLG CONTRACTOR	SPUD DATE	DAYS	Daily Cost	Cum Cost	AFE Cum Cost
12/27/2020	38				
Per cent of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS
	8,985	8,985	213	24	9

Current Operation: Drill 12 1/4" hole with directional assembly										Next 24 Hours:										Drill 12 1/4" hole as per program									
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															

FORMATION										Bone Spring																
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA.	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	LAST SHOE TVD	FRAC GRADIENT MW	MAX. ALLOWABLE SICP												
5.0	6.500	108	108	194	#VALUE!	90	30	30	30	30	30	7,150	9.0	112												
GPS #1	LINEAR X STROKE	SPM #1	GPS #2	LINEAR X STROKE	SPM #2	GPS #3	LINEAR X STROKE	SPM #3	GPM	PUMPS	PUMP PRESSURE															
4.19	6.0	12	4.19	6.0	108				904		2,100															
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT										
8.7	8.8	28.0	28.0	4.0	4.0	1.0	2.0	100.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0										
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM															
9.00	0.30	0.15	0.25	19000.00	1200.00	0.00	96.60	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										
17	0	12 1/4"	Halliburton	GT65DC	1050701	18	18	18	18	18	18	18	18	18	18	1,4910										
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										
2/2/2021 6:15	2/3/2021 15:30	8772	8952	25.00	20.00	9.25	23.2	7.5	3	6	RO	N	X	I	BT	See Drilling 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										
18	0	12 1/4"	Halliburton	GT65DMHEO	13192810	18	18	18	18	18	18	18	18	18	18	1,4910										
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										
2/3/2021 5:00	2/3/2021 6:00	8952	8985	25.00	25.00	1	33.0	1																		

FUEL DELIVERED										MUD ADDITIVES IN LAST 24 HOURS										SOIL FARMING / MUD DISPOSAL										FRESH WATER																														
FUEL ON HAND	TOTAL FUEL USED										DAILY SOLIDS										TOTAL SOLIDS										DAILY DISPOSAL COSTS										DAILY LIQUIDS										TOTAL LIQUIDS									
	6,394	52,589										0										0										0										0																		
PICKUP WT.	AVG. DRAG										DAILY SOLIDS										TOTAL SOLIDS										DAILY DISPOSAL COSTS										DAILY LIQUIDS										TOTAL LIQUIDS									
	205	15										0										0										0										0																		
ROTATING WT.	MAX. DRAG										DAILY DISPOSAL COSTS										TOTAL LIQUIDS										TOTAL LIQUIDS																													
	187	18										0										0										0																												
SLACKOFF WT.	TQ. ON BITM										DAILY LIQUIDS										TOTAL LIQUIDS										TOTAL LIQUIDS																													
	170	11,100										0										0										0																												
BHA HOURS	TQ. OFF BITM										TOTAL LIQUIDS										TOTAL LIQUIDS										TOTAL LIQUIDS																													
	21	7,600										0										0										0																												

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 #17 From 8772' to 8832' (34'ft/hr) w/ 25 WOB, 25 Surf RPM, 112.5 Motor RPM.																													
1.50	22: Well Control										Change out Leaking Rotating Head.																													
6.00	2: Drilling										Rotate w/ Bit #17 From 8832' to 8952' (20'ft/hr) w/ 25 WOB, 15 Surf RPM, 127.5 Motor RPM.																													
0.50	6: Tripping										Check for Flow (no flow) Trip out of the hole to 9480'.																													
0.50	6: Tripping										Remove Rotating Head.																													
1.50	6: Tripping										Trip out of the hole to 5500'.																													
0.25	27: Other										Safety Meeting/Crew Handover.																													
2.75	6: Tripping										Continue TOH from 5500 ft to surface, L/D bit, motor and float sub with damaged pin end.																													
2.25	6: Tripping										Directional work, P/U motor bit and scribe.																													
5.75	6: Tripping										TIH w/ Bit #18 From Surface to 8824'. Wash to bottom from 8824' to 8952'.																													
1.00	2: Drilling										Rotate w/ Bit #18 From 8952' to 8985' (33'ft/hr) w/ 25 WOB, 25 Surf RPM, 93.5 Motor RPM.																													
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	12 1/4" Bit	1.50	1: MUD/RDMO	0.00	81.00																																			
1	8" NOV 9/10 3.9 ERT 1.5FBH 12"NBS	32.97	2: Drilling	8.75	203.50	Depth	Dev.	Azi.	TVD	YS	DLS																													
1	12" IBS Stabilizer (BFF)	7.12	3: Washing/Reaming	0.00	2.25	6,249	0.85	252	6,246	100.03	0.02																													
1	8" UBHO	2.55	4: Lost Circulation	0.00	0.00	6,344	0.79	251	6,341	98.84	0.06																													
1	8" NMDC	30.52	5: Cond. Mud & Circ	0.00	32.75	6,438	0.75	250	6,435	97.72	0.05																													
1	8" Pony	13.42	6: Tripping	13.25	186.50	6,532	0.56	258	6,529	96.79	0.22																													
6	8" Steel DC	176.48	7: Lubricate Rig	0.00	5.00	6,626	0.46	273	6,623	96.17	0.18																													
1	XO 6 5/8" Reg PN x 1/2" IF BX	3.61	8: Rig Repair	0.00	22.50	6,720	0.41	297	6,717	95.84	0.20																													
15	6.5" Steel DC	454.74	9: Cut Drie Line	0.00	3.25	6,814	0.48	311	6,811	95.73	0.13																													
24	5" HWOP	726.25	10: Deviation Survey	0.00	0.00	6,911	0.55	325	6,908	95.81	0.15																													
			11: Wireline Logging	0.00	50.25	7,006	0.55	344	7,003	96.14	0.19																													
			12: Run Casing	0.00	64.50	7,101	0.68	21	7,098	96.90	0.43																													
			13: Cement Casing	0.00	32.25	7,171	0.92	33	7,168	97.84	0.41																													
			14: Wait On Cement	0.00	20.00	7,255	1.22	53	7,252	99.39	0.57																													
			15: NU BOP's	0.00	95.00	7,349	1.42	38	7,346	101.53	0.43																													
			16: Test BOP's	0.00	18.50	7,443	1.55	53	7,440	103.94	0.43																													
			17: Plug Back	0.00	0.00	7,538	1.30	46	7,535	106.28	0.32																													
			18: Squeeze Cmt	0.00	0.00	7,632	1.41	54	7,629	108.49	0.22																													
			19: Fishing	0.00	42.75	7,727	1.79	47	7,724	111.12	0.45																													
			20: Directional Work	0.00	22.50	7,821	1.48	61	7,818	113.74	0.54																													
			21: Weather	0.00	0.00	7,915	1.68	56	7,912	116.24	0.26																													
			22: Well Control	1.50	4.25	8,009	1.88	77	8,006	118.87	0.72																													
			23: Waiting-Orders/Equip	0.00	0.00																																			
			24: Drill Cmt / Shoe Test	0.00	5.75																																			
			25: Jet & Clean Pits	0.00	0.00																																			
						Planned VS =										feet @ azimuth																								
						DAY DRILLING FOREMAN										CELL PHONE NUMBER																								
						Hesston Cheatwood																																		
						NIGHT DRILLING FOREMAN										CELL PHONE NUMBER																								
						Marcus Jenkins																																		
						AMEREDVE PERSONELL																																		
						DRILLING SUPERINTENDENT										JT Wilkerson																								
						DRILLING ENGINEER										Diego Barreda / 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	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 USA		1.0		Yes										
8500	0.024	SURFACE RENTALS	Forklift	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	0.01	DRILLING RIG	PVT/Chokes \$477 plus \$70 on days with gas detection	Pason		1.0		Yes										
8500	0.024	SURFACE RENTALS	Citadel Rig #3	Citadel Drilling		1.0		Yes										
8500	0.024	SURFACE RENTALS	3- 4X4 Transfer Pumps	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	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	0.186	GEOLOGY	Mud Logging Service	dstone 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	LL CONTROL EQUIP / SERV	Rotating Head & MPD	Dpla		1.0		Yes										
8500	0.032	DIRECTIONAL DRILLING	MWD Daily cost	Halliburton Energy Services		1.0		Yes										
8500	0.06	D, ADDITIVES, AND CHEM	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	0.102	ENGINEERING / CONSULTAN	Engineering to help with legal and permitting	Geolex, Inc		1.0		No										
8500	0.102	ENGINEERING / CONSULTAN	Engineer Consulting Costs	Geolex, Inc		1.0		No										
8500	0.028	DRILL BITS	BHA #18 Halliburton GT65DC #1050701 Bit 12 1/4", bit plus DBR \$13,500 + \$1500	Halliburton Energy Services		1.0		No										
8500	0.028	DRILL BITS	BHA #19 Halliburton GT65DMHEO #13192810 Bit 12 1/4"	Halliburton Energy Services		1.0		No										
8500	0.03	DOWNHOLE RENTALS	Motors Leam	Leam		1.0		Yes										
8500	0.03	DOWNHOLE RENTALS	Motors NOV	National Oilwell Varco														





















Morning Drilling Report

WELL NAME		AFE #	STATE WELL ID #	API #	OBJECTIVE	DATE										
INDEPENDENCE AGI #1			0	30-025-480R1	DRILLING	Sun, February 14, 2021										
DRILG CONTRACTOR	SPUD DATE	DAYS	Daily Cost	Cum Cost	Perf of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS						
	12/27/2020	49				13,187	13,187	0	0	4						
Current Operation		Circulate & condition at section TD 13,300 ft			Next 24 Hours		Spot Mud Cap, TOH for Wire-line logs & 9 5/8" casing									
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" Q-125 88.2# BTC	0	7,150	12.375	12.219	10.030	4,800	3,191		0.149 bbls/R	1,051.00000	3118.9/2350.35		17 1/2		
FORMATION		BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI						
Atoka		4,863	5,227		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	12	34.0	125	#VALUE!					7,150		10.0		223		
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				
4.19	6.0	132	4.19	6.0	0				553			1,700				
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT
9.4	9.4	34.0	34.0	3.0	6.0		7.0	60.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	D W	LIME	ES	LCM					
3.00	0.60	0.20	0.30	16000.00	880.00	0.00	96.70	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
23		12 1/4"	Halliburton	GT65 DCHE	1305723	16	16	16	16	16	16	16	16	16	16	#VALUE!
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
2/9/2021 13:00	2/10/2021 23:30	11855	12502	30.00	32.22	34.5	33.6	19.25	6	3						
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
24		12 1/4"	Halliburton	GT65DCHE H	13308984	15	15	15	14	14	14	14	14	14	0	1.4197
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
2/11/2021 22:45	2/13/2021 21:45	12502	13187	21.33	57.78	47	27.4	25								
FUEL DELIVERED		FUEL USED TODAY		MUD ADDITIVES IN LAST 24 HOURS		SOIL FARMING / MUD DISPOSAL		FRESH WATER								
0		1,206														
FUEL ON HAND		TOTAL FUEL USED		Gel		Mica		ABO		DAILY SOLIDS		OWNER				
8,928		81,870		15		Poly Plus		Quick Thin		TOTAL SOLIDS		0				
PICKUP WT.		AVG. DRAG		MAX. DRAG		Caustic		Soda Ash		DAILY DISPOSAL COSTS		CUM BBLs				
299		18		21,000		Bar		Lime		DAILY LIQUIDS		0				
ROTATING WT.		TQ. ON BTM		TQ. OFF BTM		Pac-R		Alum Ster		TOTAL LIQUIDS		0				
284		11,000		11,000				Cost								
BHA HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )												
30																
0.25		27: Other		Safety Meeting with Rig Manager, crew, Ameredev on site rep & CR.												
5.75		4: Lost Circulation		While starting up mud pumps with 10.3 ppg, observe total losses, no returns. TOH two stands from 13188 ft to 12998 ft. Monitor losses, build LCM pill.												
5.25		4: Lost Circulation		TOH additional 6 stands from 12998 ft to 12428 ft with 12 1/4" bit and motor assembly. Reduce mud weight from 10.3 ppg to 10 ppg. Pump 50 Bbls LCM displace with 200 Bbls water. Observe partial returns. Stage up mud pumps to 450 gpm.												
0.75		4: Lost Circulation		TIH from 12428 ft to 13100 ft, stage up mud pumps to 500 gpm, observe full returns.												
0.25		27: Other		Safety Meeting with Rig Manager, crew, Ameredev on site rep & CR.												
3.50		2: Drilling		Rotate w/ Bit #24 From 13187" to 12300" (-253'ft/hr) w/ 25 WOB, 60 Surf RPM, 88 Motor RPM. Homogenize mud ranging from 9.4 to 10.4 ppg while drilling to section TD of 13,300 ft, flare off gas and adjust MPD choke as required.												
1.00		22: Well Control		Shut in well and clean carbon from spark arresters both flare stacks. Repair west flare 8" butterfly valve which broke while attempting to open when frozen in place.												
6.25		5 Cond. Mud & Circ		Circulate & condition mud until 9.5 ppg in & out. Mix 400 Bbls 14 ppg for mud cap.												
1.00		22: Well Control		Take MWD survey on bottom. Circulate hole while bringing over 14ppg mud cap to pits. Hold backpressure on well to control condensate from flare line.												

QTY		BHA ITEM	LENGTH	TIME DISTRIBUTION	DAILY	CUM	KOP MD/TVD	Pen Pt MD/TVD	Lndg Pt MD/TVD		
1	12 1/4" Bit	2.00	1 MRLU/RDMO	0.00	81.00						
1	LEAM 8" 7/8 5.9 FBH 1.25" W/ 11.75 NBS	37.00	2 Drilling	3.50	298.00	Depth	Dev.	Azi.	TVD	VS	DLS
1	8" Float Sub	3.00	3 Washing/Reaming	0.00	3.00	6,249	0.85	252	6,246	100.03	0.02
1	12" IBS Stabilizer (BFF)	7.00	4 Lost Circulation	11.75	11.75	6,344	0.79	251	6,341	98.84	0.06
1	8" UBHO	3.00	5 Cond. Mud & Circ.	6.25	66.50	6,438	0.75	250	6,435	97.72	0.05
1	8" NMDC	31.00	6 Tripping	0.00	283.25	6,532	0.56	258	6,529	96.79	0.22
1	8" Pony	13.00	7 Lubricate Rig	0.00	7.75	6,626	0.46	273	6,623	96.17	0.18
6	8" Steel DC	176.00	8 Rig Repair	0.00	25.00	6,720	0.41	297	6,717	95.84	0.20
1	XO 6 5/8" Reg PN x 1/2" IF BX	4.00	9 Cut Drilg Line	0.00	6.00	6,814	0.48	311	6,811	95.73	0.13
15	6.5" Steel DC	455.00	10 Deviation Survey	0.00	0.50	6,911	0.55	325	6,908	95.81	0.15
24	5" HWDP	726.00	11 Wireline Logging	0.00	50.25	7,006	0.55	344	7,003	96.14	0.19
			12 Run Casing	0.00	64.50	7,101	0.68	21	7,098	96.90	0.43
			13 Cement Casing	0.00	32.25	7,171	0.92	33	7,168	97.84	0.41
			14 Wait On Cement	0.00	20.00	7,255	1.22	53	7,252	99.39	0.57
			15 NU BOP's	0.00	95.00	7,349	1.42	38	7,346	101.53	0.43
			16 Test BOP's	0.00	18.50	7,443	1.55	53	7,440	103.94	0.43
			17 Plug Back	0.00	0.00	7,538	1.30	46	7,535	106.28	0.32
			18 Squeeze Cmt	0.00	0.00	7,632	1.41	54	7,629	108.49	0.22
			19 Fishing	0.00	42.75	7,727	1.79	47	7,724	111.12	0.45
			20 Directional Work	0.00	26.50	7,821	1.48	61	7,818	113.74	0.54
			21 Weather	0.00	0.00	7,915	1.68	56	7,912	116.24	0.26
			22 Well Control	2.00	12.75	8,009	1.88	77	8,006	118.87	0.72
			23 Waiting-Orders/Equip	0.00	0.00						
			24 Drill Cmt / Shoe Test	0.00	5.75						
			25 Jet & Clean Pits	0.00	0.00						
			26 Regulatory	0.00	54.50						
			27 Other	0.50	50.00						
			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	1269.25						
			Motor RPG	0.16							
			BHA	1457.00							
			GRADE	6903.28							
			Total Depth	13187.00							
			DAY DRILLING FOREMAN								
			Diego Barreda								
			NIGHT DRILLING FOREMAN								
			Steven Ridder								
			AMEREDDEV PERSONNEL								
			DRILLING SUPERINTENDENT								
			Iron Horse Tools LLC								
			John 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	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 & Intercams	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	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	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	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	0.03	DOWNHOLE RENTALS	Motors Team	Team		1.0		Yes
8500	0.03	DOWNHOLE RENTALS	Motors NOV</					

Morning Drilling Report

WELL NAME			AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE		
INDEPENDENCE AGI #1			[REDACTED]		0		30-025-49081		DRILLING			Mon, February 15, 2021		
DRLG CONTRACTOR	SPUD DATE	DAYS	Daily Cost		Cum Cost		AFE Cum Cost		Perct of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS
	12/27/2020	50	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]		12,300	-887	0	0

Current Operation: Tripping out of Hole. Next 24 Hours: [REDACTED] Trip out of Hole, Run Open Hole Wireline 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

FORMATION		BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI
Atoka		4,863	5,227		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			125	#VALUE!	[REDACTED]	[REDACTED]	7,150	10.0	223

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
4.19	6.0	132	4.19	6.0	0				553		1,700

MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT
9.4	9.4	34.0	34.0	3.0	6.0	3.0	7.0	60.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0

PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM
9.00	0.60	0.20	0.30	16000.00	880.00	0.00	96.70	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
23	0	12 1/4"	Halliburton	GT65 DCHE	1305723	16	16	16	16	16	16	16	16	16	16	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	REASON
2/9/2021 13:00	2/10/2021 23:30	11855	12502	30.00	32.22	34.5	33.6	19.25	16	3	RO	C	X	I	BT	See Drilling 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
24	0	12 1/4"	Halliburton	GT65DMHEO H	13308984	15	15	15	14	14	14	14	14	14	14	1.4197

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
2/11/2021 22:45	2/13/2021 24:45	12502	13187	21.33	57.78	47	27.4	25								

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	Gel	Mica	ABQ	DAILY SOLIDS	OWNER
7,721	83,077				0	

PICKUP WT.	AVG. DRAG	Poly Plus	Quick Thix	PolyPac UI	TOTAL SOLIDS	DAILY BBLs
311	15				0	0

ROTATING WT.	MAX. DRAG	Caustic	Soda Ash	Gelx	DAILY DISPOSAL COSTS	CUM BBLs
299	18				0	0

SLACKOFF WT.	TQ. ON BITM	Bar	Lime	Tackle	DAILY LIQUIDS	TOTAL LIQUIDS
284	21,000				0	0

BHA HOURS	TQ. OFF BITM	Pac-R	Alum Ster	Cost
30	11,000			

HOURS	TIME CODE	CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )
3.25	5: Cond. Mud & Circ	Circulate hole until 9.9 ppg in & out. Then spot 300 bbls 14.5 ppg mud cap.
8.75	6: Tripping	Trip out with 12 1/4" bit and motor assembly from 13,300' to 8,607'. Flow check, shut in well and observe for pressure, possibly gauge frozen.
4.00	27: Other	Installed pressure gauge below MPD, observed 30 psi SICP. Work to unthaw choke line, kill line, manifold and flare line, all frozen.
2.00	27: Other	Pull 10 Stands from 8,607' to 7,396'. Thaw out Trip Tank and Flow Check, trip tank over filled from flowing well, pump out trip tank and shut in well.
1.00	22: Well Control	Shut in well and monitor pressure, 45 SICP, well continued to flow. Determined this was U-tubing due to different mud weights in the hole.
4.50	6: Tripping	Trip out of hole from 7,396' to 1,715', well taking proper fill.
0.50	22: Well Control	Check for Flow.

QTY	BHA ITEM	LENGTH	TIME DISTRIBUTION	DAILY	CUM	KOP MD/TVD	Pen Pt MD/TVD	Lndg Pt MD/TVD
1	12 1/4" Bit	2.00	1: MIRU/RDMO	0.00	81.00			
1	LEAM 8" 7/8 5.9 FBH 1.25" W/ 11.75 NBS	37.00	2: Drilling	0.00	298.00	Depth	Dev	Azi
1	8" Float Sub	3.00	3: Washing/Reaming	0.00	3.00	6,249	0.85	252
1	12" IBS Stabilizer (BFF)	7.00	4: Lost Circulation	0.00	11.75	6,344	0.79	251
1	8" UBHO	3.00	5: Cond. Mud & Circ	3.25	69.75	6,438	0.75	250
1	8" NMDC	31.00	6: Tripping	13.25	296.50	6,532	0.56	258
1	8" Pony	13.00	7: Lubricate Rig	0.00	7.75	6,626	0.46	273
6	8" Steel DC	176.00	8: Rig Repair	0.00	25.00	6,720	0.41	297
1	XO 6 5/8" Reg PN x 1 1/2" IF BX	4.00	9: Cut Drig Line	0.00	6.00	6,814	0.48	311
15	6.5" Steel DC	455.00	10: Deviation Survey	0.00	0.50	6,911	0.55	325
24	5" HWDP	726.00	11: Wireline Logging	0.00	50.25	7,006	0.55	344
			12: Run Casing	0.00	64.50	7,101	0.68	21
			13: Cement Casing	0.00	32.25	7,171	0.92	33
			14: Wait On Cement	0.00	20.00	7,255	1.22	53
			15: NU BOP's	0.00	95.00	7,349	1.42	38
			16: Test BOP's	0.00	18.50	7,443	1.55	53
			17: Plug Back	0.00	0.00	7,538	1.30	46
			18: Squeeze Cmt	0.00	0.00	7,632	1.41	54
			19: Fishing	0.00	42.75	7,727	1.79	47
			20: Directional Work	0.00	26.50	7,821	1.48	61
			21: Weather	0.00	0.00	7,915	1.68	56
			22: Well Control	1.50	14.25	8,009	1.88	77
			23: Waiting-Orders/Equip	0.00	0.00			
			24: Drill Cmt / Shoe Test	0.00	5.75			
			25: Jet & Clean Pits	0.00	0.00			
			26: Regulatory	0.00	54.50			
			27: Other	6.00	56.00			
			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	1293.25			

Planned VS =	feet @	azimuth

Motor RPG	0.16	BHA	1457.00	25: Jet & Clean Pits	0.00	0.00	Diego Barreda	CELL PHONE NUMBER
				26: Regulatory	0.00	54.50		

DP ITEM	OD	#/FT	GRADE	LENGTH	27: Other <th>6.00</th> <th>56.00</th> <th>Steven Ridder</th> <th>CELL PHONE NUMBER</th>	6.00	56.00	Steven Ridder	CELL PHONE NUMBER
219	5	19.5	S-135	6903.28	28: Other	0.00	13.75		

Kelly	3939.72	31: Other	0.00	0.00	DRILLING SUPERINTENDENT	JT Wilkerson
Total Depth	12300.00	TOTALS	24.00	1293.25	DRILLING ENGINEER	John Zabaldano

DAY CONTROL ROOM SUP	Chris Huff	NIGHT CONTROL ROOM SUP	Andy Skusarchuk

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Morning Drilling Report

WELL NAME		AFE #		STATE WELL ID #		API #		OBJECTIVE		DATE	
INDEPENDENCE AGI #1				0		30-025-48081		DRILLING		Fri, February 19, 2021	
DRUG 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	54					12,300	12,300	0	0	0
Current Operation			Circulating B/U @ 12,500'			Next 24 Hours			Circulate gas, pump LCM pill & weight up mud system.		

Type	Casing Specs	Top TMD	Btm TMD	ID	Drift	Burst	Collapse	Yield	Jnt Strength	Capacity	Displace	DV Tool	S/S Cmt	Hole Size
Surface	28	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	3118.9/3580.35	/	17 1/2

FORMATION		BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI
Atoka		4,863	5,227		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			45	#VALUE!			7,150	10.0	223

HOURS		TIME CODE	CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )									
7.00	22: Well Control		Circulate with 203 gpm holding DP pressure constant with 470 psi through MPD choke, adjust as required to maintain DP pressure constant with 9.9 ppg. Observe flare ranging from 8' foot down to minimal one foot intermittently. Gained 20 BBL when MW dropped to 9.5 ppg. Circulated 9.9 ppg mud until well was balanced.									
0.50	22: Well Control		Upon getting heavier 10.1 mud to surface we were trying to maintain 350 psi standpipe pressure with 220 psi SBP on MPD, we started losing circulation. Shut down pumping and work on action plan.									
3.75	22: Well Control		At 10500 ft with 12 1/4" bit and motor assembly circulate at 200 gpm, 250 - 360 psi DP pressure through MPD while maintain 7040 psi BHP, observe mud weight in 5.9 ppg and mud weight out 9.4 ppg, flare 4 to 6 ft. On 3rd B/U losing 200 BBLs mud while maintaining DP pressure of 450 psi.									
1.75	22: Well Control		Strip into hole from 10500 ft to 12000 ft holding 200 psi back pressure breaking circulation every 5 stands.									
7.25	22: Well Control		At 11945 ft, stage up to 400 gpm, hold DP pressure constant, BHP 7030 psi, lost 60 BBLs mud with 9.9 ppg in and 10 ppg out. Reduce from 400 gpm to 150 gpm and continue clean up keeping BHP 7030 psi. When observed 10.1 ppg going in hole, spot Vacuum truck at suction and add water to adjust mud weight down to 9.5 ppg. (fig water lines frozen). Flare ranging from 20 foot flare to 8 ft with up to 11 ppg mud weight out.									
0.75	22: Well Control		Shut in well, break off stand to strip in 3 stands, observe mud U-tubing up drill pipe, M/U stand to continue circulating.									
0.25	22: Well Control		At 11945 ft pump 10 BBL 15.4 ppg slug, shut in well and check pipe on vacuum. Break off and install Gray Valve on top of stand #112.									
0.50	22: Well Control		Strip in to 12,421' holding 200 psi back pressure.									
0.25	22: Well Control		Break Circulation with 200 gpm, 200 psi SBP and 150 psi on SBP.									
0.25	22: Well Control		Strip in to 12,500' holding 200 psi back pressure.									
1.75	22: Well Control		Circulate with 150 gpm holding DP pressure constant at 580 psi through MPD choke, adjust as required to maintain DP pressure constant with 9.9 ppg. Observe 5' flare.									

24.00	No Accidents, Spills or Inspections to report									
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QTY	BHA ITEM	LENGTH	TIME DISTRIBUTION	DAILY	CUM	KOP MD/TVD	Pen Pt MD/TVD	Lndg Pt MD/TVD
1	12 1/4" Bit	2.00	1 MRL/RDMO	0.00	81.00			
1	LEAM 8" 7/8 5.9 FBH 1.25" W/ 11.75 NBS	37.00	2 Drilling	0.00	298.00	Depth	Dev.	Azi
1	8" Float Sub	3.00	3 Washing/Reaming	0.00	3.00	6,249	0.85	252
1	12" IBS Stabilizer (BFF)	7.00	4 Lost Circulation	0.00	11.75	6,344	0.79	251
1	8" UBHO	3.00	5 Cond. Mud & Circ	0.00	69.75	6,438	0.75	250
1	8" NMDC	31.00	6 Tripping	0.00	296.50	6,532	0.56	258
1	8" Pony	13.00	7 Lubricate Rig	0.00	7.75	6,626	0.46	273
6	8" Steel DC	176.00	8 Rig Repair	0.00	25.00	6,720	0.41	297
1	XO 6 5/8" Reg PN x 1/2" IF BX	4.00	9 Cut Drlg Line	0.00	6.00	6,814	0.48	311
15	6.5" Steel DC	455.00	10 Deviation Survey	0.00	0.50	6,911	0.55	325
24	5" HWDP	726.00	11 Wireline Logging	0.00	50.25	7,006	0.55	344
			12 Run Casing	0.00	64.50	7,101	0.68	21
			13 Cement Casing	0.00	32.25	7,171	0.92	33
			14 Wait On Cement	0.00	20.00	7,255	1.22	59
			15 NU BOP's	0.00	95.00	7,349	1.42	38
			16 Test BOP's	0.00	18.50	7,443	1.55	53
			17 Plug Back	0.00	0.00	7,538	1.30	46
			18 Squeeze Cmt	0.00	0.00	7,632	1.41	54
			19 Fishing	0.00	42.75	7,727	1.79	47
			20 Directional Work	0.00	26.50	7,821	1.48	61
			21 Weather	0.00	0.00	7,915	1.68	56
			22 Well Control	24.00	110.25	8,009	1.88	77
			23 Waiting-Orders/Equip	0.00	0.00			
			24 Drill Cmt / Shoe Test	0.00	5.75			
			25 Jet & Clean Pits	0.00	0.00			

Cost Type	Charge	Code	Description	Vendor	Unit Cost	Quantity	Cost	Carry Over
8500	0.094	SUPERVISION / CONTRACT	John Zabaldano	Rusco Operating LLC		1.0		Yes
8500	0.094	SUPERVISION / CONTRACT	Andy Slusarchuk/Dave 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 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 RESPN	H2s Compliance Package	American Safety Services, In		1.0		Yes
8500	0.066	DS CONTROL EQUIP / SERV	Sofid 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	rink 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	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	0.03	DOWNHOLE RENTALS	Motors Leam	Leam		1.0		Yes
8500	0.03	DOWNHOLE RENTALS	Motors NOV	National Oilwell Varco		1.0		Yes

Morning Drilling Report

WELL NAME			AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE			
INDEPENDENCE AGI #1			[REDACTED]		0		30-025-49081		DRILLING			Sat, February 20, 2021			
DRLG CONTRACTOR		SPUD DATE	DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD	TVD	DAILY FT	FT/HR	ROT HRS
[REDACTED]		12/27/2020	55		[REDACTED]		[REDACTED]		[REDACTED]		12,300	12,300	0	0	0

Current Operation: Checking to make sure we can pump down drill string. Next 24 Hours: Clear drill string and pump LCM. Pull out to set mud cap, trip out & run 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

FORMATION																		
Atoka																		
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			45	#VALUE!							7,150	10.0	223				
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	
4.19	6.0 12			48	4.19	6.0 12			0		6.0 12			201			1,700	
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT		
9.4	9.4	34.0	34.0	3.0	6.0	3.0	7.0	60.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0		
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM							
9.00	0.60	0.20	0.30	16000.00	880.00	0.00	96.70	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	#VALUE!	
23	0	12 1/4"	Halliburton	GT65 DCHE	1305723	16	16	16	16	16	16	16	16	16	16	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	BT	REASON	
2/9/2021 13:00	2/10/2021 23:30	11855	12502	30.00	32.22	34.5	33.6	19.25	6	3	RO	C	X	1	0	0		
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	#VALUE!	
24	0	12 1/4"	Halliburton	GT65MHEO H	13308984	15	15	15	14	14	14	14	14	14	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	REASON		
2/11/2021 22:45	2/13/2021 24:45	12502	13187	21.33	57.78	47	27.4	25										

FUEL DELIVERED 0 FUEL USED TODAY 1,260 MUD ADDITIVES IN LAST 24 HOURS SOIL FARMING / MUD DISPOSAL FRESH WATER

FUEL ON HAND	8,030	TOTAL FUEL USED	90,106	Gel	Mica	ABQ	DAILY SOLIDS	0	OWNER	
PICKUP WT.	311	AVG. DRAG	15	Poly Plus	Quick Thix	PolyPac UI	TOTAL SOLIDS	0	DAILY BBLs	0
ROTATING WT.	299	MAX. DRAG	18	Caustic	Soda Ash	Gelex	DAILY DISPOSAL COSTS		CUM BBLs	0
SLACKOFF WT.	284	TQ. ON BTM	21,000	Bar	Lime	Tackle	DAILY LIQUIDS	0		
BHA HOURS	30	TQ. OFF BTM	11,000	Pac-R	Alum Ster	Cost	TOTAL LIQUIDS	0		

HOURS TIME CODE CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )

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	12 1/4" Bit	2.00	1: MRL/RDMO	0.00	81.00						
1	LEAM 8" 7/8 5.9 FBH 1.25" W/ 11.75 NBS	37.00	2: Drilling	0.00	298.00	Depth	Dev.	Azi.	TVD	VS	DLS
1	8" Float Sub	3.00	3: Washing/Reaming	0.00	3.00	6,249	0.85	252	6,246	100.03	0.02
1	12" IBS Stabilizer (BFF)	7.00	4: Lost Circulation	0.00	11.75	6,344	0.79	251	6,341	98.84	0.06
1	8" UBHO	3.00	5: Cond. Mud & Circ	0.00	69.75	6,438	0.75	250	6,435	97.72	0.05
1	8" NMDC	31.00	6: Tripping	2.75	299.25	6,532	0.56	258	6,529	96.79	0.22
1	8" Pony	13.00	7: Lubricate Rig	0.00	7.75	6,626	0.46	273	6,623	96.17	0.18
6	8" Steel DC	176.00	8: Rig Repair	0.00	25.00	6,720	0.41	297	6,717	95.84	0.20
1	XO 6 5/8" Reg PN x 1/2" IF BX	4.00	9: Cur Drig Line	0.00	6.00	6,814	0.48	311	6,811	95.73	0.13
15	6.5" Steel DC	455.00	10: Deviation Survey	0.00	0.50	6,911	0.55	325	6,908	95.81	0.15
24	5" HWDP	726.00	11: Wireline Logging	0.00	50.25	7,006	0.55	344	7,003	96.14	0.19
			12: Run Casing	0.00	64.50	7,101	0.68	21	7,098	96.90	0.43
			13: Cement Casing	0.00	32.25	7,171	0.92	33	7,168	97.84	0.41
			14: Wait On Cement	0.00	20.00	7,255	1.22	53	7,252	99.39	0.57
			15: NU BOP's	0.00	95.00	7,349	1.42	38	7,346	101.53	0.43
			16: Test BOP's	0.00	18.50	7,443	1.55	53	7,440	103.94	0.43
			17: Plug Back	0.00	0.00	7,538	1.30	46	7,535	106.28	0.32
			18: Squeeze Cmt	0.00	0.00	7,632	1.41	54	7,629	108.49	0.22
			19: Fishing	0.00	42.75	7,727	1.79	47	7,724	111.12	0.45
			20: Directional Work	0.00	26.50	7,821	1.48	61	7,818	113.74	0.54
			21: Weather	0.00	0.00	7,915	1.68	56	7,912	116.24	0.26
			22: Well Control	13.25	123.50	8,009	1.88	77	8,006	118.87	0.72
			23: Waiting Orders/Equip	0.00	0.00						
			24: Drill Cmt / Shoe Test	0.00	5.75						
			25: Jet & Clean Pits	0.00	0.00						
			26: Regulatory	0.00	54.50						
			27: Other	8.00	64.00						
			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	1413.25						

Planned VS = feet @ azimuth

DAY DRILLING FOREMAN John Zabaldano CELL PHONE NUMBER [REDACTED]

NIGHT DRILLING FOREMAN Steven Ritter CELL PHONE NUMBER [REDACTED]

AMEREDDEV PERSONNEL

DRILLING SUPERINTENDENT JT Wilkerson

DRILLING ENGINEER Diego Barrera

DAY CONTROL ROOM SUP Dave Pope

NIGHT CONTROL ROOM SUP Ted Cheatwood

Motor RFG 0.16 BHA 1457.00

DP ITEM OD #/FT GRADE LENGTH

219 DP 5 19.5 S-135 6903.28

Total Depth 12300.00

TOTALS 24.00 1413.25

Cost Type Charge Code Description Vendor Unit Cost Quantity Cost Carry Over

8500 0.094 SUPERVISION / CONTRACT John Zabaldano/Steven Ritter Rusco Operating LLC 1.0 Yes

8500 0.094 SUPERVISION / CONTRACT Andy Slusarchuk/Dave 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 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 EY 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 KSW Oilfield Rental LLC 1.0 Yes

8500 0.198 MUD LOGGING Mud Logging Service dkstone 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 LL CONTROL EQUIP / SERV Rotating Head & MPD Opla 1.0 Yes

8500 0.032 DIRECTIONAL DRILLING MWD Daily cost Halliburton Energy Services 1.0 Yes

8500 0.06 D, ADDITIVES, AND CHEM 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 0.03 DOWNHOLE RENTALS Motors Leam Leam 1.0 Yes

8500 0.03 DOWNHOLE RENTALS Motors NOV National Oilwell Varco 1.0 Yes

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Morning Drilling Report

WELL NAME			AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE		
INDEPENDENCE AGI #1			[REDACTED]		0		30-025-49081		DRILLING			Mon, February 22, 2021		
DRLG CONTRACTOR	SPUD DATE	DAYS	Daily Cost		Cum Cost		AFE Cum Cost		Perf of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS
	12/27/2020	57	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]	[REDACTED]	12,300	12,300	0	0

Current Operation:														
Type: Casing Specs														
Spotting LCM Pill														
Next 24 Hours:														
Spot LCM Pill, strip above pill, squeeze into formation, spot mud cap & run 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

FORMATION																	
Atoka																	
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			45	#VALUE!	7,150		[REDACTED]		7,150		10.0	223				
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	
4.19	6.0 12			48	4.19	6.0 12			0		6.0 12		201			1,700	
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT	
9.4	9.4	34.0	34.0	3.0	6.0	3.0	7.0	60.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM						
9.00	0.60	0.20	0.30	16000.00	880.00	0.00	96.70	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	#VALUE!
23	0	12 1/4"	Halliburton	GT65 DCHE	1305723	16	16	16	16	16	16	16	16	16	16	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	REASON	
2/9/2021 13:00	2/10/2021 23:30	11855	12502	30.00	32.22	34.5	33.6	19.25	6	3	RO	C	X	I	BT		
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	#VALUE!
24	0	12 1/4"	Halliburton	GT65OMHEO H	13308984	15	15	15	14	14	14	14	14	14	0	1.4197	
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	
2/11/2021 22:45	2/13/2021 24:45	12502	13187	21.33	57.78	47	27.4	25									
FUEL DELIVERED	FUEL USED TODAY			MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER					
0	1,086			92.225				0				0					
FUEL ON HAND	TOTAL FUEL USED			Gel				Mica				ABQ					
5,911	92.225											DAILY SOLIDS					
PICKUP WT.	AVG. DRAG			Poly Plus				Quick Thix				TOTAL SOLIDS					
311	15											0					
ROTATING WT.	MAX. DRAG			Caustic				Soda Ash				DAILY DISPOSAL COSTS					
299	18											CUM BBLs					
SLACKOFF WT.	TQ. ON BITM			Bar				Lime				DAILY LIQUIDS					
284	21,000											0					
BHA HOURS	TQ. OFF BITM			Pac-R				Alum Ster				TOTAL LIQUIDS					
30	11,000											0					

CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )													
1.50	6: Tripping												
1.25	22: Well Control												
2.50	22: Well Control												
1.00	6: Tripping												
6.25	22: Well Control												
11.50	22: Well Control												
Strip out to above the LCM Pill													
At 9,681' Circulating Gas out of well bore. We lost 180 bbl of mud.													
Build Volume and work on plan forward.													
Strip in to 10,248' maintaining 200 psi on the backside with MPD.													
Pump B/U while monitoring pressures and losses.													
Shut well in, Build 500 bbls 60 ppb LCM pill													

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	12 1/4" Bit	2.00	1: MIRU/RDMQ	0.00	81.00								
1	LEAM 8" 7/8 5.9 FBH 1.25" W/ 11.75 NBS	37.00	2: Drilling	0.00	298.00	Depth	Dev	Azi	TVD	VS	DLS		
1	8" Float Sub	3.00	3: Washing/Reaming	0.00	4.25	6,249	0.85	252	6,246	100.03	0.02		
1	12" IBS Stabilizer (BFF)	7.00	4: Lost Circulation	0.00	11.75	6,344	0.79	251	6,341	98.84	0.06		
1	8" UBHO	3.00	5: Cond. Mud & Circ	0.00	69.75	6,438	0.75	250	6,435	97.72	0.05		
1	8" NMDC	31.00	6: Tripping	2.50	306.50	6,532	0.56	258	6,529	96.79	0.22		
1	8" Pony	13.00	7: Lubricate Rig	0.00	7.75	6,626	0.46	273	6,623	96.17	0.18		
6	8" Steel DC	176.00	8: Rig Repair	0.00	25.00	6,720	0.41	297	6,717	95.84	0.20		
1	XO 6 5/8" Reg PN x 1/2" IF BX	4.00	9: Cut Drig Line	0.00	6.00	6,814	0.48	311	6,811	95.73	0.13		
15	6.5" Steel DC	455.00	10: Deviation Survey	0.00	0.50	6,911	0.55	325	6,908	95.81	0.15		
24	5" HWDP	726.00	11: Wireline Logging	0.00	50.25	7,006	0.55	344	7,003	96.14	0.19		
			12: Run Casing	0.00	64.50	7,101	0.68	21	7,098	96.90	0.43		
			13: Cement Casing	0.00	32.25	7,171	0.92	33	7,168	97.84	0.41		
			14: Wait On Cement	0.00	20.00	7,255	1.22	59	7,252	99.39	0.57		
			15: NU BOP's	0.00	95.00	7,349	1.42	38	7,346	101.53	0.43		
			16: Test BOP's	0.00	18.50	7,443	1.55	53	7,440	103.94	0.43		
			17: Plug Back	0.00	0.00	7,538	1.30	46	7,535	106.28	0.32		
			18: Squeeze Cmt	0.00	0.00	7,632	1.41	54	7,629	108.49	0.22		
			19: Fishing	0.00	42.75	7,727	1.79	47	7,724	111.12	0.45		
			20: Directional Work	0.00	26.50	7,821	1.48	61	7,818	113.74	0.54		
			21: Weather	0.00	0.00	7,915	1.68	56	7,912	116.24	0.26		
			22: Well Control	21.50	163.00	8,009	1.88	77	8,006	118.87	0.72		
			23: Waiting-Orders/Equip	0.00	0.00								
			24: Drill Cmt / Shoe Test	0.00	5.75								
			25: Jet & Clean Pits	0.00	0.00								
			26: Regulatory	0.00	54.50								
			27: Other	0.00	64.00								
			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	1461.25								
Motor RPG	0.16	BHA	1457.00	Planned VS =		feet @		azimuth					
Drill Cmt / Shoe Test	0.00	5.75		DAY DRILLING FOREMAN		CELL PHONE NUMBER							
Jet & Clean Pits	0.00	0.00		John Zabaldano		[REDACTED]							
Regulatory	0.00	54.50		NIGHT DRILLING FOREMAN		CELL PHONE NUMBER							
Other	0.00	64.00		Steven Ritter		[REDACTED]							
Other	0.00	13.75		AMEREDVE PERSONELL									
Other	0.00	0.00		DRILLING SUPERINTENDENT				JT Wilkerson					
Other	0.00	0.00		DRILLING ENGINEER				Diego Barreda					
Other	0.00	0.00		DAY CONTROL ROOM SUP				Dave Pope					
Other	0.00	0.00		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	John Zabaldano/Steven Ritter				Rusco Operating LLC		1.0		Yes			
8500	0.094	SUPERVISION / CONTRACT	Ted Cheatwood/Dave 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 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	ETY AND EMERGENCY RESPK	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	0.03	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				Halliburton Energy Services		1.0		Yes			
8500	0.06	D, ADDITIVES, AND CHEM	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	0.03	DOWNHOLE RENTALS	Motors Leam				Leam		1.0		Yes			
8500	0.03	DOWNHOLE RENTALS	Motors NOV				National Oilwell Varco		1.0		Yes			
8500	0.048	LL CONTROL EQUIP / SERV	21 1/4" Spacer Spool Rental (3' and 3') with Repair Charges.				eaitherford U.S. LP.(FDC49		1.0		No			
8500	0.028	DRILL BITS	Baker GT65DUHE #13100340 DBR Charge				Baker Hughes Oilfield		1.0		No			
8500	0.138	WELDING & MATERIALS												









Morning Drilling Report

WELL NAME			AFE #		STATE WELL ID #		API #		OBJECTIVE			DATE			
INDEPENDENCE AGI #1			[REDACTED]		0		30-025-49081		DRILLING			Sat, February 27, 2021			
DRLG CONTRACTOR		SPUD DATE	DAYS		Daily Cost		Cum Cost		Perc of AFE Spent		MD	TVD	DAILY FT	FT/HR	ROT HRS
[REDACTED]		12/27/2020	62		[REDACTED]		[REDACTED]		[REDACTED]		12,900	12,300	0	0	0

Current Operation: Laying Down Logging Tools.															Next 24 Hours: Fill Hole, Remove Wear Bushing, L/D Motor, Change to Csg. Rams, Test, Run 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	635,000	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															

FORMATION																				
Atoka																				
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			45	#VALUE!							7,150	10.0	223						
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			
4.19	6.0	12	48	4.19	6.0	12	0	0	0	0	201					1,700				
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT				
9.4	9.4	34.0	34.0	6.0	6.0	3.0	7.0	60.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0				
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O-W	LIME	ES	LCM									
9.00	0.60	0.20	0.30	16000.00	880.00	0.00	96.70	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				
23	0	12 1/4"	Halliburton	GT65 DCHE	1305723	16	16	16	16	16	16	16	16	16	16	0	#VALUE!			
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				
2/9/2021 13:00	2/10/2021 23:30	11855	12502	30.00	32.22	34.5	33.6	19.25	6	3	RO	C	X	I	BT					
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				
24	0	12 1/4"	Halliburton	GT65MHEO H	13308984	15	15	15	14	14	14	14	14	14	14	0	1.4197			
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				
2/11/2021 22:45	2/13/2021 24:45	12502	13187	21.33	57.78	47	27.4	25												

FUEL DELIVERED															MUD ADDITIVES IN LAST 24 HOURS															SOIL FARMING / MUD DISPOSAL															FRESH WATER																																																											
FUEL ON HAND															Gel															Mica															ABQ															DAILY SOLIDS															OWNER																													
3,048															96,346																																													0																																												
PICKUP WT.															AVG. DRAG															Poly Plus															Quick Thru															PolyPac UI															TOTAL SOLIDS															DAILY BBLs														
311															15																																																												0															0														
ROTATING WT.															MAX. DRAG															Caustic															Soda Ash															Gelex															DAILY DISPOSAL COSTS															CUM BBLs														
299															18																																																												0															0														
SLACKOFF WT.															TQ. ON BTM															Bar															Lime															Tackle															DAILY LIQUIDS															TOTAL LIQUIDS														
284															21,000																																																												0															0														
BHA HOURS															TQ. OFF BTM															Pac-R															Alum Ster															Cost															TOTAL LIQUIDS															0														
30															11,000																																																												0															0														

HOURS															TIME CODE															CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )														
2.00															22: Well Control															Squeeze while pumping LCM														
2.00															6: Tripping															Strip out from 7,455' to 5,844' while holding 300 psi on back side with MPD														
2.75															22: Well Control															At 5,844' circulate gas out of well bore while monitoring losses.														
3.75															6: Tripping															Strip out from 5,844' to 1,250' while holding 300 psi on the back side with MPD														
0.75															22: Well Control															Spot 115 bbl 14.9 ppg Kill Mud Cap @ 1,250'.														
0.75															6: Tripping															Trip out 11 Stands to 480' Check for Flow.														
1.00															6: Tripping															Flow check, trip out of Break bit.														
10.50															11: Wireline Logging															PISM: Rig up Schlumberger Wireline, and log, logs tagged @ 13245' WLM														
0.50															11: Wireline Logging															Lay Down Logging tools and R/D Schlumberger.														
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/TVO																										
1	12 1/4" Bit				2.00	1: MIRR/RDMO				0.00	81.00																																	
1	LEAM 8" 7/8 5.9 FBH 1.25" W/ 11.75 NBS				37.00	2: Drilling				0.00	298.00	Depth	Dev.	Azi.	TVD	VS	DLS																											
1	8" Float Sub				3.00	3: Washing/Reaming				0.00	4.25	6,349	0.85	252	6,246	100.03	0.02																											
1	12" IBS Stabilizer (BFF)				7.00	4: Lost Circulation				0.00	11.75	6,344	0.79	251	6,341	98.84	0.06																											
1	8" UBHO				3.00	5: Cond. Mud & Circ				0.00	88.25	6,438	0.75	250	6,435	97.72	0.05																											
1	8" NMDC				31.00	6: Tripping				7.50	361.25	6,532	0.56	258	6,529	96.79	0.22																											
1	8" Pony				13.00	7: Lubricate Rig				0.00	8.25	6,626	0.46	273	6,623	96.17	0.18																											
6	8" Steel DC				176.00	8: Rig Repair				0.00	25.00	6,720	0.41	297	6,717	95.84	0.20																											
1	XD 6 5/8" Reg PN x 1/2" IF BX				4.00	9: Cut Drig Line				0.00	7.25	6,814	0.48	311	6,811	95.73	0.13																											
15	6.5" Steel DC				455.00	10: Deviation Survey				0.00	0.50	6,911	0.55	325	6,908	95.81	0.15																											
24	5" HWDP				726.00	11: Wireline Logging				11.00	61.25	7,006	0.55	344	7,003	96.14	0.19																											
						12: Run Casing				0.00	64.50	7,101	0.68	21	7,098	96.90	0.43																											
						13: Cement Casing				0.00	32.25	7,171	0.92	33	7,168	97.84	0.41																											
						14: Wait On Cement				0.00	20.00	7,255	1.22	53	7,252	99.39	0.57																											
						15: NU BOP's				0.00	95.00	7,349	1.42	38	7,346	101.53	0.43																											
						16: Test BOP's				0.00	18.50	7,443	1.55	53	7,440	103.54	0.43																											
						17: Plug Back				0.00	0.00	7,538	1.30	46	7,535	106.28	0.32																											
						18: Squeeze Cmt				0.00	0.00	7,632	1.41	54	7,629	108.49	0.22																											
						19: Fishing				0.00	42.75	7,727	1.79	47	7,724	111.12	0.45																											
						20: Directional Work				0.00	26.50	7,821	1.48	61	7,818	113.74	0.54																											
						21: Weather				0.00	0.00	7,915	1.68	56	7,912	116.24	0.26																											
						22: Well Control				5.50	186.00	8,009	1.88	77	8,006	118.87	0.72																											
						23: Waiting-Orders/Equip				0.00	0.00	Planned VS -			feet @ azimuth																													
	Motor RPG 0.16				BHA 1457.00	24: Drill Cmt / Shoe Test				0.00	5.75	DAY DRILLING FOREMAN			CELL PHONE NUMBER																													
						25: Jet & Clean Pts				0.00	0.00	Heston Cheatwood			[REDACTED]																													
Joins	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				0.00	72.75	Marcus Jenkins			[REDACTED]																													
						28: Other				0.00	13.75	AMEREDVE PERSONNEL																																
						29: Other				0.00	0.00	DRILLING SUPERINTENDENT			JT Wilkerson																													
						30: Other				0.00	0.00	DRILLING ENGINEER			Diego Barreda																													
						31: Other				0.00	0.00	DAY CONTROL ROOM SUP			Dave Pope																													
					Kelly 3939.72	TOTALS				24.00	1579.00	NIGHT CONTROL ROOM SUP			Ted Cheatwood																													
					Total Depth 12300.00																																							

Cost Input														
Cost Type	Charge	Code	Description				Vendor	Unit Cost	Quantity	Cost	Carry Over			
8500	0.094	SUPERVISION / CONTRACT	Heston Cheatwood/Marcus Jenkins				Rusco Operating LLC		1.0		Yes			
8500	0.094	SUPERVISION / CONTRACT	Ted Cheatwood/Dave 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				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				dstone 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	LL CONTROL EQUIP / SERVI	Rotating Head & MPD				Opla		1.0		Yes			
8500	0.032	DIRECTIONAL DRILLING	MWD Daily cost				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	0.03	DOWNHOLE RENTALS	Motors Leam				Leam		1.0		Yes			
8500	0.2	LINE / PERF / PUMPDOWN	Call off Charges for Open Hole logs				humberger Technology Co		1.0		No			





Morning Drilling Report

WELL NAME		AFE #	STATE WELL ID #	API #	OBJECTIVE	DATE										
INDEPENDENCE AGI #1			0	30-025-480R1	DRILLING	Tue, March 2, 2021										
DRILG CONTRACTOR	SPUD DATE	DAYS	Daily Cost	Cum Cost	Perc of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS						
	12/27/2020	65				12,300	12,300	0	0	0						
Current Operation		Cementing 9 5/8" casing		Next 24 Hours		Cement 9 5/8" casing, Run Cmt bond logs, W/D BOPC, Set csg slips, C/O Annular Rubbers, Clean Pit										
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" Q-125 88.2# BTC	0	7,150		12.219	10,030	4,800	3,191		0.149 bbls/R	1,051.00000	3118.9/250.35		17 1/2		
FORMATION		BGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI						
Atoka					30		30		30							
DP SIZE	DC SIZE	DP AV	DC AV	JET VELOCITY	HHP/SQ IN BIT DIA. #VALUE!	COST/FT. 24 HRS.		COST/FT. (OA)		LAST SHOE TVD		FRAC GRADIENT MW		MAX. ALLOWABLE SICP		
5.0	6.500	12	34.0	45						7,150		10.0		229		
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				
4.19	6.0	48	4.19	6.0	0				201			1,700				
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT
9.4	9.4	34.0	34.0	3.0	6.0		7.0	60.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	D W	LIME	ES	LCM					
3.00	0.60	0.20	0.30	16000.00	880.00	0.00	96.70	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
23	0	12 1/4"	Halliburton	G165 DCHE	1305723	16	16	16	16	16	16	16	16	16	16	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	REASON
2/9/2021 13:00	2/10/2021 23:30	11855	12502	30.00	32.22	34.5	33.6	19.25	6	3	RO	C	X	I	BT	REASON
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
24	0	12 1/4"	Halliburton	G165 DMHEO H	13308984	15	15	15	14	14	14	14	14	14	0	1.4197
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
2/11/2021 22:45	2/13/2021 21:45	12502	13187	21.33	57.78	47	27.4	25								
FUEL DELIVERED		FUEL USED TODAY		MUD ADDITIVES IN LAST 24 HOURS		SOIL FARMING / MUD DISPOSAL		FRESH WATER								
7,118		98,276		Gel		ABO		DAILY SOLIDS		0		OWNER				
PICKUP WT.		AVG. DRAG		Poly Plus		Quick Thin		TOTAL SOLIDS		0		DAILY BBLs		0		
ROTATING WT.		MAX. DRAG		Caustic		Soda Ash		DAILY DISPOSAL COSTS				CUM BBLs		0		
SLACKOFF WT.		TQ. ON BTM		Bar		Lime		DAILY LIQUIDS		0		TOTAL LIQUIDS		0		
BHA HOURS		TQ. OFF BTM		Pac-R		Alum Ster		COST								
30		11,000														
CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )																
2.25		5: Cond. Mud & Circ		At 10,714' circulate bottoms up. Observed 15'-20' flare												
0.75		12: Run Casing		Trip in from 10,714' to 11,128'												
3.50		5: Cond. Mud & Circ		At 11,128' circulate bottoms up. Observed 5'-15' flare.												
1.00		12: Run Casing		Run in casing from 11,128' to 11,550'												
1.50		5: Cond. Mud & Circ		Shut in Well, Circulate 4888 Strokes @ 11,550', 5'-15' flare.												
0.75		12: Run Casing		Strip Casing in from 11,550' to 11,940'												
1.75		5: Cond. Mud & Circ		Shut in Well, Circulate 4888 Strokes @ 11,940', 5-10' Flare.												
0.50		12: Run Casing		Run In Casing from 11,940' to 12,290'												
1.75		5: Cond. Mud & Circ		Circulate 474 bbls through choke @ 225-250 gpm												
0.50		12: Run Casing		Run casing from 1290-12730'												
1.75		5: Cond. Mud & Circ		Circulate 737 bbls through choke @ 225-250 gpm												
1.00		12: Run Casing		Run casing from 12730' to 13200'												
2.00		5: Cond. Mud & Circ		Wash and work pipe from 13200'-13233'												
3.25		5: Cond. Mud & Circ		Circulate Bottoms up												
0.75		12: Run Casing		Rig down CRT and R/U Halliburton cmt head. Shut in and Monitor casing pressure while changing out (56 psi).												
1.00		13: Cement Casing		Open well up and circulate with rig pumps through cmt head. Had 2' flare. Swap lines to cmt. Test lines and begin cement job.												
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	12 1/4" Bit	2.00	1 MRL/RDMO	0.00	81.00											
1	LEAM 8" 7/8 5.9 FBH 1.25" W/ 11.75 NBS	37.00	2 Drilling	0.00	298.00	Depth	Dev.	Adj.	TVD	VS	DLS					
1	8" Float Sub	3.00	3 Washing/Reaming	0.00	4.25	6,249	0.85	252	6,246	100.03	0.02					
1	12" IBS Stabilizer (BFF)	7.00	4 Lost Circulation	0.00	11.75	6,344	0.79	251	6,341	98.84	0.06					
1	8" UBHO	3.00	5 Cond. Mud & Circ	17.75	115.50	6,438	0.75	250	6,435	97.72	0.05					
1	8" NMDC	31.00	6 Tripping	0.00	361.25	6,532	0.56	258	6,529	96.79	0.22					
1	8" Pony	13.00	7 Lubricate Rig	0.00	8.25	6,626	0.46	273	6,623	96.17	0.18					
6	8" Steel DC	176.00	8 Rig Repair	0.00	25.00	6,720	0.41	297	6,717	95.84	-0.20					
1	XO 6 5/8" Reg PN x 1/2" IF BX	4.00	9 Out Drlg Line	0.00	7.25	6,814	0.48	311	6,811	95.73	0.13					
15	6.5" Steel DC	455.00	10 Deviation Survey	0.00	0.50	6,911	0.55	325	6,908	95.81	0.15					
24	5" HWDP	726.00	11 Wireline Logging	0.00	63.00	7,006	0.55	344	7,003	96.14	0.19					
			12 Run Casing	5.25	94.50	7,101	0.68	21	7,098	96.90	0.43					
			13 Cement Casing	1.00	33.25	7,171	0.92	33	7,168	97.84	0.41					
			14 Wait On Cement	0.00	20.00	7,255	1.22	53	7,252	99.39	0.57					
			15 NU BOP's	0.00	95.00	7,349	1.42	38	7,346	101.53	0.43					
			16 Test BOP's	0.00	20.50	7,443	1.55	53	7,440	103.94	0.43					
			17 Plug Back	0.00	0.00	7,538	1.30	46	7,535	106.28	0.32					
			18 Squeeze Cmt	0.00	0.00	7,632	1.41	54	7,629	108.49	0.22					
			19 Fishing	0.00	42.75	7,727	1.79	47	7,724	111.12	0.45					
			20 Directional Work	0.00	28.00	7,821	1.48	61	7,818	113.74	0.54					
			21 Weather	0.00	0.00	7,915	1.68	56	7,912	116.24	0.26					
			22 Well Control	0.00	189.75	8,009	1.88	77	8,006	118.87	0.72					
			23 Waiting-Orders/Equip	0.00	0.00							Planned VS				
			24 Drill Cmt / Shoe Test	0.00	5.75							feet @ azimuth				
			25 Jet & Clean Pits	0.00	0.00							DAY DRILLING FOREMAN				
			26 Regulatory	0.00	54.50							Hesston Cheatwood				
			27 Other	0.00	77.50							NIGHT DRILLING FOREMAN				
			28 Other	0.00	13.75							Marcus Jenkins				
			29 Other	0.00	0.00							AMEREDEV PERSONELL				
			30 Other	0.00	0.00							DRILLING SUPERINTENDENT				
			31 Other	0.00	0.00							IT Wilkerson				
				0.00	0.00							DRILLING ENGINEER				
				0.00	0.00							Diego Barreda				
				0.00	0.00							DAY CONTROL ROOM SUP				
				0.00	0.00							Dave Pope				
				0.00	0.00							NIGHT CONTROL ROOM SUP				
				0.00	0.00							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/Dave 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	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	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	0.03	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	0.03	DOWNHOLE RENTALS	8" Motors Leam @ \$13,300/motor (#7751XD-546, #7751XD-699, #1001XD-053)	Leam		1.0		No
8500	0.048	LL CONTROL EQUIP / SERV	Lubricator and packoff for Open Hole Wireline logging	Dil States Energy Services LL		1.0		No
8500	0.102	NGINEERING / CONSULTAN	Geolox Monthly Statement	Geolox, Inc		1.0		No
8500							\$ -	
8500							\$ -	
8500							\$	

Morning Drilling Report

WELL NAME		AFE #		STATE WELL ID #		API #		OBJECTIVE		DATE	
INDEPENDENCE AGI #1		[REDACTED]		0		30-025-48081		DRILLING		Wed, March 3, 2021	
DRUG CONTRACTOR	SPUD DATE	DAYS	Daily Cost	Cum Cost	AFE Cum Cost	Perct of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS
12/27/2020	66						12,300	12,300	0	0	0
Current Operation		N/U BOP's		Next 24 Hours		Test BOP's, set wear bushing		TH with 8 1/2" bit to drill out DV equipment			

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	3118.9/3268.35	/	17 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 SICP		
Atola		4,863	5,227		30		30		30		2,150	10.0	37		
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			45	#VALUE!			2,150		10.0		37			
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				
4.19	6.0	12	4.0	6.0	12	5.0	6.0	201			1,700				
MW IN	MW OUT	VIS IN	VIS OUT	YP	Gel -10 Sec	Gel -10 Min	FILTRATE	WPS	HTHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT
9.9	9.9	32.0	32.0	4.0	5.0	4.0	50.0	0.0	0.0	0.0	0.0	3.1	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	6500.00	600.00	0.00	91.00	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
23	0	12 1/4"	Halliburton	GT65 DCHC	1905723	16	16	16	16	16	16	16	16	16	0	#VALUE!
START FT	END FT	DEPTH IN	DEPTH OUT	AVG WOB	AVG RPM	HOURS	FT/HR	ROT HRS	INNER	OUTER	LOC	BEARING	GAUGE	OTHER	REASON	TFA
2/9/2021 13:00	2/10/2021 23:30	11855	12502	30.00	32.22	34.5	33.6	19.25	6	3	RO	C	X	I	BT	1.4197
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
24	0	12 1/4"	Halliburton	GT65DMHO H	13308984	15	15	15	14	14	14	14	14	14	0	1.4197
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
2/11/2021 22:45	2/13/2021 21:45	12502	13187	21.33	57.78	47	27.4	25								

FUEL DELIVERED		FUEL USED TODAY		MUD ADDITIVES IN LAST 24 HOURS		SOIL FARMING / MUD DISPOSAL		FRESH WATER		
FUEL ON HAND	7,118	TOTAL FUEL USED	98,276	Gel	Mica	ABO	DAILY SOLIDS	0	OWNER	
PICKUP WT.	311	AVG DRAG	15	Poly Plus	Quick Thin	PolyPac Uil	TOTAL SOLIDS	0	DAILY BBL'S	0
ROTATING WT.	299	MAX DRAG	18	Caustic	Soda Ash	Gelox	DAILY DISPOSAL COSTS	0	CUM BBL'S	0
SLACKOFF WT.	284	TO ON BTM	21,000	Bar	Lime	Tackle	DAILY LIQUIDS	0		
BHA HOURS	30	TQ OFF BTM	11,000	Pac-R	Alum Ster	Cost	TOTAL LIQUIDS	0		

HOURS		TIME CODE		CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )									
4.25	13: Cement Casing	Tested lines to 5,400 psi. Pumped 150 bbls FW, 40 bbls of Mud Flush III, 750 sks (312 bbls) of Lead Cement (NeoCem) @ 11.5 ppg, followed by 410 sks (90 bbls) of Tail Cement (VersaCem H) @ 14.5 ppg. Dropped wiper dart and began displacement. Pumped 965 bbls of Cut Brine @ 9.5 ppg. Bumped plug on time @ 700 psi, pressured up to 1,470 psi held or 5 minutes.											
1.50	13: Cement Casing	Inflat Packer @ 3700 psi. Drop Bomb to Open DV Tool.											
0.75	5: Cond. Mud & Circ	Circulate 460 bbls/Bottoms UP to remove Gas. Circulate 65 BBLs of the top of the DV Tool.											
0.50	5: Cond. Mud & Circ	Pump through surface lines to remove any Cement.											
4.00	13: Cement Casing	Cement Second stage, circulated 460 bbls of mud to get gas out of hole. Pumped 40 bbls of Mud Flush III, 2,240 sks (1069 bbls) of lead Cement (NeoCem) @ 10.5 ppg followed by 25 sks (5.5 bbls) of Tail Cement @ 14.5 ppg. Dropped wiper dart and pumped 534 bbls of displacement. Bumped plug on time @ 533 psi, pressured up to 2,300 psi (Closed tool) and held for 5 minutes. Bled back 4.5 bbls to truck. Circulated 7484 bbls of cement to surface.											
0.50	13: Cement Casing	Flush out BOP, Rig Down Cementers. Mulholland's cleaning mud pits. Rig crew repairing valves as needed.											
2.25	15: NU BOP's	Nipple down BOP's with Battle Energy, P/U stack.											
1.25	13: Cement Casing	Set casing slips with Vault rep, 250K set, rough out casing.											
0.75	15: NU BOP's	N/D DSA and spool with Battle Energy.											
2.75	15: NU BOP's	Change out Annular Element											
1.75	15: NU BOP's	Final cut casing, install bowl DSA and spacer spool.											
0.50	27: Other	Vault test EBS seals against casing, slips and flange connection to 5000 psi for 15 min as per Vault procedure, good test.											
3.25	15: NU BOP's	Nipple up BOP's, Change out 9 5/8" top rams to 2 7/8" x 5 3/4" VBR.											

QTY		BHA ITEM		LENGTH		TIME DISTRIBUTION		DAILY		CUM		KOP MD/TVD		Pen Pt MD/TVD		Lnde Pt MD/TVD	
1		12 1/4" Bit		2.00		1	MIRL/ROMO	0.00	81.00								
1		LEAM 8" 7/8 5.9 FBH 1.25" W/ 11.75 NBS		37.00		2	Drilling	0.00	298.00	Depth	Dev.	Azi	TVD	VS	DLS		
1		8" Float Sub		3.00		3	Washing/Reaming	0.00	4.25	6,249	0.85	252	6,246	100.03	0.02		
1		12" IBS Stabilizer (BFF)		7.00		4	Lost Circulation	0.00	11.75	6,344	0.79	251	6,341	98.84	0.06		
1		8" UBHO		3.00		5	Cond. Mud & Circ	1.25	116.75	6,438	0.75	250	6,435	97.72	0.05		
1		8" NMDC		31.00		6	Tripping	0.00	361.25	6,532	0.56	258	6,529	96.79	0.22		
1		8" Pony		13.00		7	Lubricate Rig	0.00	8.25	6,626	0.46	273	6,623	96.17	0.18		
6		8" Steel DC		176.00		8	Rig Repair	0.00	25.00	6,720	0.41	297	6,717	95.84	0.20		
1		XO 6 5/8" Reg PN x 1/2" IF BX		4.00		9	Cut Drig Line	0.00	7.25	6,814	0.48	311	6,811	95.73	0.13		
15		6.5" Steel DC		455.00		10	Deviation Survey	0.00	0.50	6,911	0.55	325	6,908	95.81	0.15		
24		5" HWDP		726.00		11	Wireline Logging	0.00	63.00	7,006	0.55	344	7,003	96.14	0.19		
						12	Run Casing	0.00	94.50	7,101	0.68	21	7,098	96.90	0.43		
						13	Cement Casing	11.50	44.75	7,171	0.92	33	7,168	97.84	0.41		
						14	Wait On Cement	0.00	20.00	7,255	1.22	53	7,252	99.39	0.57		
						15	NU BOP's	10.75	105.75	7,349	1.42	38	7,346	101.53	0.43		
						16	Test BOP's	0.00	20.50	7,443	1.55	53	7,440	103.94	0.43		
						17	Plug Back	0.00	0.00	7,538	1.30	46	7,535	106.28	0.32		
						18	Squeeze Cmt	0.00	0.00	7,632	1.41	54	7,629	108.49	0.22		
						19	Fishing	0.00	42.75	7,727	1.79	47	7,724	111.12	0.45		
						20	Directional Work	0.00	28.00	7,821	1.48	61	7,818	113.74	0.54		
						21	Weather	0.00	0.00	7,915	1.68	56	7,912	116.24	0.26		
						22	Well Control	0.00	189.75	8,009	1.88	77	8,006	118.87	0.72		
						23	Waiting-Orders/Equip	0.00	0.00								
						24	Drill Cmt / Shoe Test	0.00	5.75								
						25	Jet & Clean Pits	0.00	0.00								
						26	Regulatory	0.00	54.50								
						27	Other	0.50	78.00								
						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	1675.00									

Motor RPG		BHA		TOTALS		Planned VS		DAY DRILLING FOREMAN		CELL PHONE NUMBER	
0.16		1457.00		25	Jet & Clean Pits	0.00	0.00	Hesston Cheatwood			
				26	Regulatory	0.00	54.50	NIGHT DRILLING FOREMAN			
				27	Other	0.50	78.00	Marcus Jenkins			
				28	Other	0.00	13.75	AMEREDDEV PERSONNEL			
				29	Other	0.00	0.00	DRILLING SUPERINTENDENT			
				30	Other	0.00	0.00	DRILLING ENGINEER			John Wilkerson
				31	Other	0.00	0.00	DAY CONTROL ROOM SUP			John Zabakano
								NIGHT CONTROL ROOM SUP			Chris Huff
											Andy Stusarchuk

Cost Type		Charge		Code		Description		Vendor		Unit Cost		Quantity		Cost		Carry Over	
8500	0.094						Hesston Cheatwood/Marcus Jenkins		Rusco Operating LLC			1.0				Yes	
8500	0.094						Supervision / Contract		Rusco Operating LLC			1.0				Yes	
8500	0.024						Surface Rentals		Hoppe's Construction LLC			1.0				Yes	
8500	0.024						Surface Rentals		Internet & Intercoms			1.0				Yes	
8500	0.024						Surface Rentals		Forklift \$150/day			1.0				Yes	
8500	0.024						Surface Rentals		14 x Flat bottom Frac tanks			1.0				Yes	
8500	0.024						Surface Rentals		4 Sets of pipe Bolsters			1.0				Yes	
8500	0.024						Surface Rentals		4 Sets of pipe racks			1.0				Yes	
8500	0.024						Surface Rentals		PVT/Chokes \$477 plus \$70 on days with gas detection			1.0				Yes	





Ameredev LLC

Report # 73

Morning Drilling Report

WELL NAME		AFE #	STATE WELL ID #	API #	OBJECTIVE	DATE										
INDEPENDENCE AGI #1			0	30-025-48081	DRILLING	Sat, March 6, 2021										
DRILG CONTRACTOR	SPUD DATE	DAYS	Daily Cost	Cum Cost	AFE Cum Cost	Per of AFE Spent	MD	TVD	DAILY FT	FT/HR	ROT HRS					
	12/27/2020	69					13,548	13,548	232	52	5					
Current Operation		Holding backpressure with MPD and going back to bottom to drill 8 1/2" hole				Next 24 Hours		Drill 8 1/2" Hole Section								
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" 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	3118.9/230.35		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		Atoka	BIGG	CG	TG	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI	#1 STKS	#1 CHK PSI					
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 SCLP				
5.0	6.500	12	115	3.52	5.5	12	0	13,235		10.0		69				
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	115	3.52	5.5	12	0	55.0	0.0	405		472					
MW IN	MW OUT	VIS IN	VIS OUT	PV	YP	Gel - 10 Sec	Gel - 10 Min	FILTRATE	WPS	HHP	CAKE	SOLIDS	LGS	LIQUID	SAND	MBT
9.9	9.9	47.0	47.0	9.0	7.0	7.0	9.0	55.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0
PH	PM	PF	MF	CHLORIDES	CALCIUM	OIL	WATER	O W	LIME	ES	LCM					
3.00	0.10	0.10	0.20	4000.00	560.00	0.00	92.00	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
26	0	8 1/2	Halliburton	GT55WKHE	13394030	13	13	13	13	13	13	13	13	13	13	1.0370
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
3/5/2021 5:00	3/5/2021 10:43	13270	13521	26.50	50.00	5.75	59.1	4.25	2	8	RO	G	X	2	BT	Reason
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
27																#VALUE!
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

FUEL DELIVERED	0	FUEL USED TODAY	1,206	MUD ADDITIVES IN LAST 24 HOURS				SOIL FARMING / MUD DISPOSAL				FRESH WATER	
FUEL ON HAND	8,807	TOTAL FUEL USED	101,356	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	21,000	Bar	Lime	Tackle	DAILY LIQUIDS				0		
BHA HOURS	0	TQ. OFF BTM	11,000	Pac-R	Alum Ster	Cost	TOTAL LIQUIDS				0		

HOURS		TIME CODE	CHRONOLOGICAL ACTIVITY ( 0600 HRS TO 0600 HRS )									
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0.25	27: Other	Safety Meeting/Crew Handover									
0.75	2: Drilling	Rotate w/ Bit #26 From 13316' to 13270' (-61 ft/hr) w/ 35 WOB, 80 Surf RPM, 216 Motor RPM.									
0.75	7: Lubricate Rig	Change out O-ring on 5" Mud Line. (POOH 2 Stands)									
1.25	2: Drilling	Rotate w/ Bit #26 From 13270' to 13474' (163 ft/hr) w/ 37 WOB, 80 Surf RPM, 240 Motor RPM.									
1.50	2: Drilling	Slide w/ Bit #26 From 13474' to 13519' (30 ft/hr) w/ 20 WOB, 0 Surf RPM, 240 Motor RPM.									
0.25	2: Drilling	Rotate w/ Bit #26 From 13519' to 13521' (8 ft/hr) w/ 37 WOB, 40 Surf RPM, 240 Motor RPM.									
1.25	6: Tripping	Flow Check (no flow) Tooh to 13,000'									
9.00	6: Tripping	Remove Rotating Head, Pump Slug and TOOH to surface. (Difficulty breaking out DCs, all overtorqued)									
0.50	6: Tripping	Change out bit, clean rig floor.									
7.25	6: Tripping	THI with new 8.3" bit #27 and motor assembly from surface to 15,400 ft.									
0.75	2: Drilling	Rotate w/ Bit #27 From 13521' to 13548' (36 ft/hr) w/ 15 WOB, 20 Surf RPM, 184 Motor RPM.									
0.50	22 Well Control	While drilling @ 13,548', started gaining in pits and flow increased from 40% to 107%. Shut well in and monitor casing pressure. Pressure stabilized at 65 psi. Swap over to OPLA MPD and hold 100 - 250 pressure on backside to mitigate flare size. Flare at about 3'-8" tall.									

24.00	No Accidents, Spills or Inspections to report.									
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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 MIRU/RDMG	0.00	81.00			
1	NOV 7" (TRUE SLICK) 6/7 7.8 ERT FXD @ 1.25	31.00	2 Drilling	4.50	303.00	Depth	Dev.	Asz.
1	8 1/4" IBS Stabilizer (BFF)	5.00	3 Washing/Reaming	0.00	6.25	6,249	0.85	252
1	6 3/4" UBHO	3.00	4 Lost Circulation	0.00	11.75	6,344	0.79	251
1	6 3/4" NMDC	29.00	5 Cond. Mud & Circ.	0.00	116.75	6,438	0.75	250
1	6 3/4" Pony	15.00	6 Tripping	18.00	398.50	6,532	0.56	258
1	8 1/4" IBS Stabilizer (BFF)	5.00	7 Lubricate Rig	0.75	9.00	6,626	0.46	273
18	6 1/2" DCs	546.00	8 Rig Repair	0.00	25.50	6,720	0.41	297
24	5" HWDP	726.00	9 Cut Drlg Line	0.00	8.50	6,814	0.48	311
			10 Deviation Survey	0.00	0.50	6,911	0.55	325
			11 Wireline Logging	0.00	74.00	7,006	0.55	344
			12 Run Casing	0.00	94.50	7,101	0.68	21
			13 Cement Casing	0.00	44.75	7,171	0.92	33
			14 Wait On Cement	0.00	20.00	7,255	1.22	53
			15 NU BOP's	0.00	106.75	7,349	1.42	38
			16 Test BOP's	0.00	30.00	7,443	1.55	53
			17 Plug Back	0.00	0.00	7,538	1.30	46
			18 Squeeze Cmt	0.00	0.00	7,632	1.41	54
			19 Fishing	0.00	42.75	7,727	1.79	47
			20 Directional Work	0.00	28.75	7,821	1.48	61
			21 Weather	0.00	0.00	7,915	1.68	56
			22 Well Control	0.50	190.25	8,009	1.88	77
			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	0.25	79.00			
			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	1747.00			

Motor RPG	0.32	BHA	1361.00	26 Regulatory	0.00	54.50	NIGHT DRILLING FOREMAN	CELL PHONE NUMBER
219	DP	5	19.5	5-135	6903.28	27 Other	Marcus Jenkins	
						28 Other		
						29 Other		
						30 Other		
						31 Other		
						TOTALS		
							AMEREDDEV PERSONNEL	
							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	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	14x 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	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 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	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 CHEM	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	0.048	LL CONTROL EQUIP / SERV	N/D and N/U BOP after running 9 5/8" casing	Battle Energy Services		1.0		No
8500	0.048	LL CONTROL EQUIP / SERV	Pressure test BOP's	Battle Energy Services		1.0		No
8500	0.028	DRILL BITS	8.5" GT55WKHEO # 13394030 DBR charge	Halliburton Energy Services		1.0		No
8500	0.028	DRILL BITS	8.5" GTD65DMK #13192145	Halliburton Energy Services		1.0		No
8500	0.2	LINE / PERF / PUMPDOWN	Schlumberger 9 5/8 Csg Isolation Scanner + GR trip #8 of 11	humberger Technology Co		1.0		No



