

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

WELL API NO.	30-025-48081
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Independence AGI
8. Well Number	1
9. OGRID Number	372224
10. Pool name or Wildcat AGI: Devonian / Fusselman	

SUNDRY NOTICES AND REPORTS ON WELLS (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.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other: Acid Gas Injection Well	
2. Name of Operator Ameredev Operating, LLC	
3. Address of Operator 2901 Via Fortuna, Ste 600, Austin, Tx. 78746	
4. Well Location Unit Letter _C_: _829_ feet from the _NORTH_ line and _1,443_ feet from the _EAST_ line Section 20 Township 25S Range 36E NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,103 (GR)	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input checked="" type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

Ameredev requests a change in the programmed casing/cement for the 7" 32# P-110 casing. The change consists of changing the ECP/DVT depth for the two-stage cement job.

In order to achieve a two-stage, an ECP and DVT will be set 13,550 +/- 100 depending on logs and choosing the most competent section to place the ECP. This will place the ECP 217' – 417' deeper than the 9 5/8" 47# P-110 casing shoe at 13,233 ft. Ameredev proposes the following cement program.

String	Stage	Lead/Tail	Type	Yield (ft^3/sk)	# Sacks	Estimated TOC
Production String	Stage 1	Lead	NeoCem	2.336 (13.2 ppg)	160	DVT tool
		Tail	LockCem	1.28 (15.3 ppg)	185	
	Stage 2	Lead	NeoCem	2.336 (13.2 ppg)	1,350	Surface

Spud Date:

December 27, 2020

Rig Release Date:

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

SIGNATURE J.T. Wilkerson TITLE: Drilling Manager DATE: 04/30/2021

Type or print name: J.T. Wilkerson

E-mail address: jwilkerson@ameredev.com PHONE: 737-300-4735

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Wellhead: A - 26 3/4" 3M X 24" SOW
 B - 26 3/4" 3M X 20 3/4" 3M
 C - 20 3/4" 3M X 13 5/8" 5M
 D - 13 5/8" 5M X 11" 5M
 E - 11" 5M X 7 1/16" 5M

Independence AGI #1

Lea County, New Mexico
 Section 20, T25S, R36E

SHL/BHL: Sec. 20 25S-36E 829' FNL & 1443' FLW

Co. Well ID: 40004
 AFE No.: 2020-013
 API No.: 30-025-48081
 GL: 3,103'

Field: Delaware
 Objective: Devonian Injection
 TVD: 17,900'
 MD: 17,900'

Rig: Citadel #3

Email: DrillingCR@ameredev.com

Injection Tree: 3 1/8" 5M Dry Acid Gas
 Tubing: 3 1/2" 9.3 #/ft HCL-80, VAM (15,880' - Surface)
 3 1/2" 9.3 #/ft Inconel G3 (CRA), VAM (16,180' - 15,880')

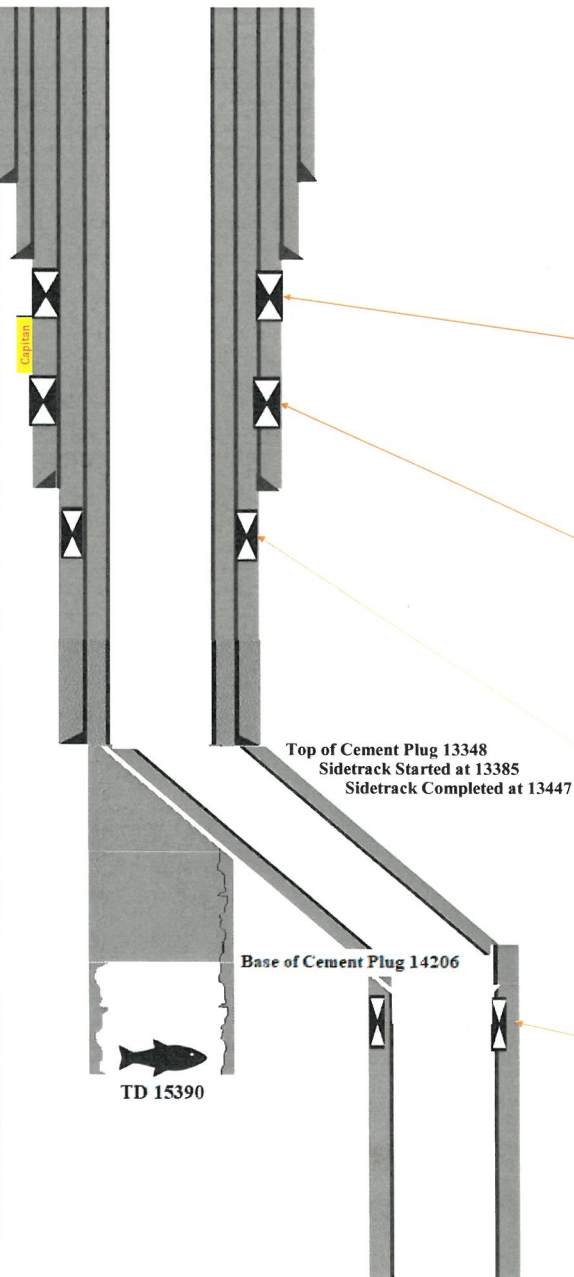
Geo Drilling Parameter Roadmap:

Rustler / 1,118'TVD / 700-1100GPM / 70-90RPM / 40-60WOB
 Salado / 1,690'TVD / 700-900GPM / 70-90RPM / 40-60WOB
 Tansil / 3,355'TVD / 650-700GPM / 60-90RPM / 34-45WOB
 Capitán / 3,915'TVD / 400-600GPM/50 RPM / CD@100'/hr**
 Lamar / 5,000'TVD / 600-650GPM / 60-80RPM / 35-45WOB
 Canyons:
 Bell / 5,221'TVD / 600-650GPM / 60-80RPM / 35-45WOB
 Brushy / 7,052'TVD / 600-700GPM / 40-60RPM / 40-50WOB
 Bone Springs:
 BoneLime / 8,124'TVD / 600-700GPM / 35RPM / 30-40WOB
 1st Bone / 9,479'TVD / 700-850GPM / 50-70RPM / 40-50WOB
 2nd Bone / 9,983'TVD
 3rd Bone / 11,191'TVD

Wolfcamp / 11,370'TVD/600-850GPM/50-80RPM/40-50WOB
 Strawn / 11,796'TVD/
 Atoka / 12,673'TVD
 Morrow / 13,666'TVD
 Barnett / 14,920'TVD
 Osage / 15,350'TVD
 Woodford / 15,782'TVD
 Devonian / 16,103'TVD
 Wristen / 17,103'TVD
 Fusselman / 17,353'TVD
 Montoya / 17,836'TVD

OFFSET MUD LOG QUICK VIEW

9,500' TVD: 8.6ppg
 10,000' TVD: 9.0-9.3ppg
 11,000' TVD: 8.5-9.3ppg
 12,000' TVD: 8.5-9.3ppg
 13,000' TVD: 9.0-12.2ppg
 14,000' TVD: 9.9-14.5ppg
 15,000' TVD: 10.0-14.7ppg
 16,000' TVD: 9.7-15.1ppg
 17,000' TVD: 9.1-15.1ppg
 18,000' TVD: 8.8-9.3ppg with one outlier at 12.1ppg



36" Conductor to 120' +/-

26" SURFACE

Casing size: 24" X65 186.41#/ XLF
 Depth: 0' to 1,385'
 Mud: 8.4-9.4ppg; Spud Mud
 CMT: Lead 850sks - HalCem C 13.5ppg
 CMT: Tail 330sks - HalCem C 14.8ppg
 TOC: 0' / Lead 100% Excess / Tail 100% Excess

22" 1st Intermediate

Casing Size: 20" NT-80DE 133# / BTC
 Depth: 0' to 3,200' :: Section Depths: 1,385' - 3,412'
 Mud: 10.0ppg BW
 CMT: Lead 635sks - NeoCem 11ppg
 CMT: Tail 410sks - HalCem C 14.8ppg
 TOC: 0' / Lead 50% Excess / Tail 100% Excess

13 5/8" Halliburton DV Tool & ECP @ 3,742'

17 1/2" 2nd Intermediate

Casing Size 13 5/8" Q125 88.2# / BTC
 Depth: 0' to 7,150' :: Section Depths: 3,412' - 7,150'
 Mud: 8.4ppg; FR
 Stg 1: CMT: Primary 991sks - NeoCem 13.2ppg
 Stg 2: CMT: Lead 433sks - NeoCem 11.5ppg
 Stg 2: CMT: Tail 100sks - VersaCem H 14.5ppg
 Stg 3: CMT: Lead 1,995sks - EconoCem C 12.9ppg
 Stg 3: CMT: Tail 100sks - HalCem C 14.8ppg
 TOC: 0' / Stg 1 25% / Stg 2 Lead 10% / Stg 2 Tail 0% / 3rd Stg Lead 10% / 3rd Stg Tail 0%

13 5/8" Halliburton DV Tool & ECP @ 4,918'

12 1/4" 3rd Intermediate

Casing Size: 9 5/8" L80-HC 47# / BTC
 Depth: 0' - 9,000'
 Casing Size: 9 5/8" P110HP 47# / BTC
 Depth: 9,000' - 13,200'
 Section Depths: 7,150' - 13,233'
 Mud: 8.6-9.8ppg CBW; 9.8-12.0 BR/POLY
 CMT: 1st Stg. Lead 750sks - NeoCem 11.5ppg / Tail 410sks - VersaCem H 14.8ppg
 CMT: 2nd Stg. Lead 2,240sks - NeoCem 10.5ppg / Tail 25sks VersaCem H 14.5ppg
 TOC: 0' / 1st Stg Lead 10% / 2nd Stg Lead 240%

9 5/8" Halliburton DV Tool and ECP @ 7,289' Top

8 1/2" Production

Casing Size: 7" VA HC P110 32# VARN/Turned Down
 Depth: 0' - 15,823'
 7" 32# P110HC VAM HC Box x VARN Pin R3 w/ P110 Float & Collar
 Casing Size: 7" G3(CRA) 32# VAM
 Depth: 15,823' - 16,130'
 Section Depth: 13,233' - 16,135'
 Mud: 11.1 - 11.6ppg OBM
 CMT: 1st Stg. Lead 160sks - NeoCem 13.2ppg / Tail 185sks - LockCem 15.3ppg
 CMT: 2nd Stg. Lead 1,350sks - NeoCem 13.2ppg
 TOC: 0' / 1st Stage Lead 0% / 2nd Stage Lead 100% Excess

Final cement volumes will be dependent upon final weight of drilling fluid at TD & Caliper logs; current volumes are best estimates only

7" Halliburton DV Tool and ECP @ 13,508' Top / 13,528' Bottom

5 7/8" Injection Hole

Tubing Size: 3 1/2" HCL-80 9.3# / VAM
 Depth: 0' to 15,823'
 Tubing Size: 3 1/2" G3 9.3# / VAM
 Depth: 15,823' to 16,130'
 Section Depths: 16,135'-17,900' TD
 Mud: 8.4-8.6ppg Fresh Water / Recycled Water
 Total Depth: 17,900' x 6" Hole Size (OH)

Halliburton BWS NICKEL ALLOY 925 Permanent Packer @ 16,103'

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CONDITIONS

Action 26494

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
AMEREDEV OPERATING, LLC Suite 600 Austin, TX78746	372224	26494	C-103A
2901 Via Fortuna			

OCD Reviewer	Condition
blamkin	Operator must run a CBL from the bottom of the production casing to the surface.
blamkin	Operator must test the casing in accordance with subsection I of 19.15.16.10 NMAC