

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

03/23/2023

Well Name: FARNSWORTH GAS COM A	Well Location: T30N / R13W / SEC 17 / SWNW / 36.816254 / -108.23407	County or Parish/State: SAN JUAN / NM
Well Number: 1E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM131355	Unit or CA Name: FARNSWORTH	Unit or CA Number: NMNM73564
US Well Number: 300452449100S1	Well Status: Producing Gas Well	Operator: ADVANCED WIRELESS COMMUNICATIONS LLC

Notice of Intent

Sundry ID: 2706981

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 12/12/2022

Time Sundry Submitted: 04:25

Date proposed operation will begin: 12/13/2022

Procedure Description: PLUG AND ABANDONMENT PROCEDURE April 22, 2020 Farnsworth Gas Unit A #1-E Basin Dakota 1520' FNL & 800' FWL, Section 17, T20N, R13W, San Juan County, New Mexico API 30-045-24491

Note: This procedure is revised based on the approved P&A sundry. All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

1. This project will use an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Plug #1 (Dakota perforations and top, 6088' – 5862'): TIH with gauge ring and RIH to 6088' RIH w/ 4.5" CR and set at 6088'. Load casing with water and circulate well clean. Mix 22 sxs Class G cement. PUH.
4. Plug #2 (Gallup top, 5209' – 5109'): Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to cover the Gallup top. PUH.
5. Plug #3 (Mancos top, 4270' – 4170'): Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to cover the Mancos top. PUH.
6. Plug #4 (Mesaverde top, 3037' – 2937'): Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.
7. Plug #5 (Chacra top, 2200' – 2100'): Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to cover the Chacra top. PUH.
8. Plug #6 (Pictured Cliffs, Fruitland and Kirtland tops, 1478' – 935'): Mix and pump 47 sxs Class G cement and spot a balanced plug inside casing to cover through the Kirtland top. TOH.
9. Plug #7 (8-5/8" Surface casing shoe, 417' - Surface): Perforate squeeze holes at 417'. Establish circulation. Mix and pump 132 sxs down 4.5" casing and circulate cement out casing and bradenhead. WOC.
10. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. Cut off anchors and clean up location. Restore location per BLM stipulations.

Accepted for record – NMOCD

JRH

05/02/2023

Well Name: FARNSWORTH GAS COM A	Well Location: T30N / R13W / SEC 17 / SWNW / 36.816254 / -108.23407	County or Parish/State: SAN JUAN / NM
Well Number: 1E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM131355	Unit or CA Name: FARNSWORTH	Unit or CA Number: NMNM73564
US Well Number: 300452449100S1	Well Status: Producing Gas Well	Operator: ADVANCED WIRELESS COMMUNICATIONS LLC

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments**Procedure Description**

BLM_Verbal_Approval_Farnsworth_A_Com_1E_30_045_24491_20221212162236.pdf
Farnsworth_Gas_Unit_A_1E_Current_WBD_20221212162059.ppt
Farnsworth_Gas_Unit_A_1E_Proposed_WBD_20221212162009.ppt
Farnsworth_Gas_Unit_A_1E_p_a_procedure_20221212161957.doc

Conditions of Approval**Specialist Review**

General_Requirement_PxA_20221215100333.pdf
2706981_NOIA_1E_3004524491_KR_12152022_20221215100316.pdf
30N13W17EKd_Farnsworth_Gas_Com_A_001E_20221215100256.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: KRYSTEN MOORE

Signed on: DEC 12, 2022 04:23 PM

Name: ADVANCED WIRELESS COMMUNICATIONS LLC

Title: Vice President

Street Address: 5500 RAIL RD

City: FARMINGTON

State: NM

Phone: (505) 608-5253

Email address: KRYSTEN@ADVANCEDWIRELESSLLC.COM

Field

Representative Name: Nell Lindenmeyer

Street Address:

City:

State:

Zip:

Phone: (505) 486-6958

Email address: nell@apluswell.com

Well Name: FARNSWORTH GAS COM A	Well Location: T30N / R13W / SEC 17 / SWNW / 36.816254 / -108.23407	County or Parish/State: SAN JUAN / NM
Well Number: 1E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
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US Well Number: 300452449100S1	Well Status: Producing Gas Well	Operator: ADVANCED WIRELESS COMMUNICATIONS LLC

BLM Point of Contact**BLM POC Name:** KENNETH G RENNICK**BLM POC Title:** Petroleum Engineer**BLM POC Phone:** 5055647742**BLM POC Email Address:** krennick@blm.gov**Disposition:** Approved**Disposition Date:** 12/15/2022**Signature:** Kenneth Rennick

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 12/13/2022

Well No. Farnsworth Gas Com A #001E (API 30-045-24491)	Location	1520	FNL	&	800	FWL
Lease No. NMNM131355	Sec. 17	T30N				R13W
Operator Advanced Wireless Communications, LLC	County	San Juan	State			New Mexico
Total Depth 6220'	PBTD 6178'	Formation	Dakota			
Elevation (GL)		Elevation (KB)	5578'			

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento					
Ojo Alamo Ss					
Kirtland Shale			Surface	1082	Possible gas/shallow water sands
Fruitland			1082	1428	Coal/Gas/Water
Pictured Cliffs Ss			1428	1582	Probable Gas
Lewis Shale			1582	2239	
Chacra			2239	2987	Possible Gas
Cliff House Ss			2987	3150	Water/possible gas
Menefee			3150	4020	Coal/Ss/Water/possible gas
Point Lookout Ss			4020	4220	
Mancos Shale			4220	5159	Probable O&G
Gallup			5159	5912	O&G
Greenhorn			5912	5968	
Graneros Shale			5968	6020	Probable O&G
Dakota Ss			6020	PBTD	O&G/water
Morrison					

Remarks:

P & A

- BLM picks for the Dakota, Chacra and Fruitland formation tops vary from Operator.

Top Dakota perf at 6031' KB. CR needs to be set at 5981' and capped with 50' of cement minimum.

Adjust Plug #5 (Chacra) to cover BLM formation top pick at 2239'.

- Dakota perfs 6031' – 6158'.

Reference Well:

) Formation Tops
Same

Prepared by: Chris Wenman

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

(October 2012 Revision)

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402**

AFMSS 2 Sundry ID 2706981

Attachment to notice of Intention to Abandon

Well: Farnsworth Gas Com A 1E

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. The following modifications to your plugging program are to be made:
 - a) Top Dakota perf at 6031' KB. CR needs to be set at 5981' and capped with 50' of cement minimum.
 - b) Adjust Plug #5 (Chacra) to cover the BLM formation top pick at 2239'.
3. Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 12/15/2022

Farnsworth Gas Unit A 1-E**Current**

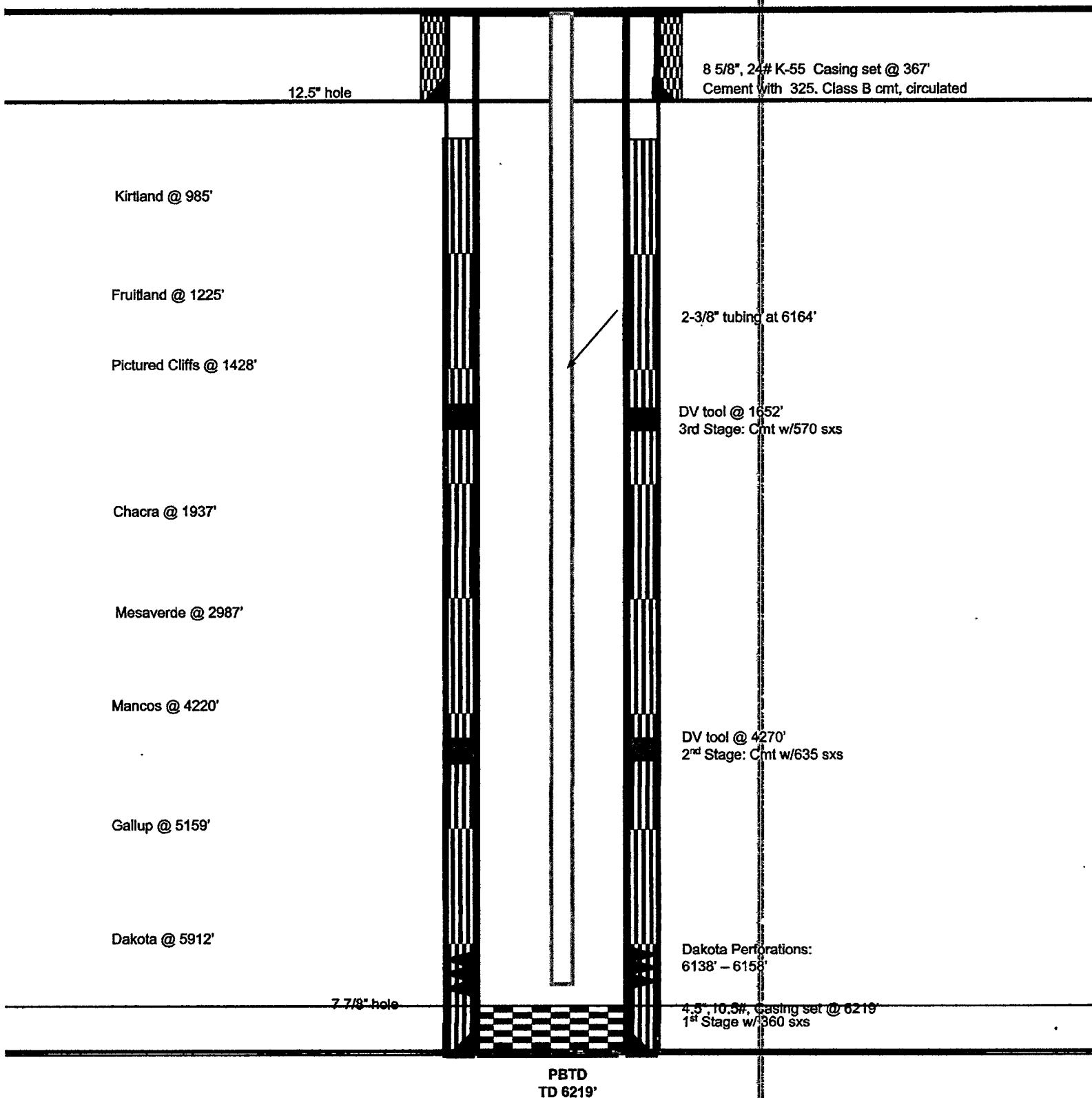
Basin Dakota

1520' FNL & 800' FWL, Section 17, T30N, R13W,

San Juan County, New Mexico

API# 30-045-24491

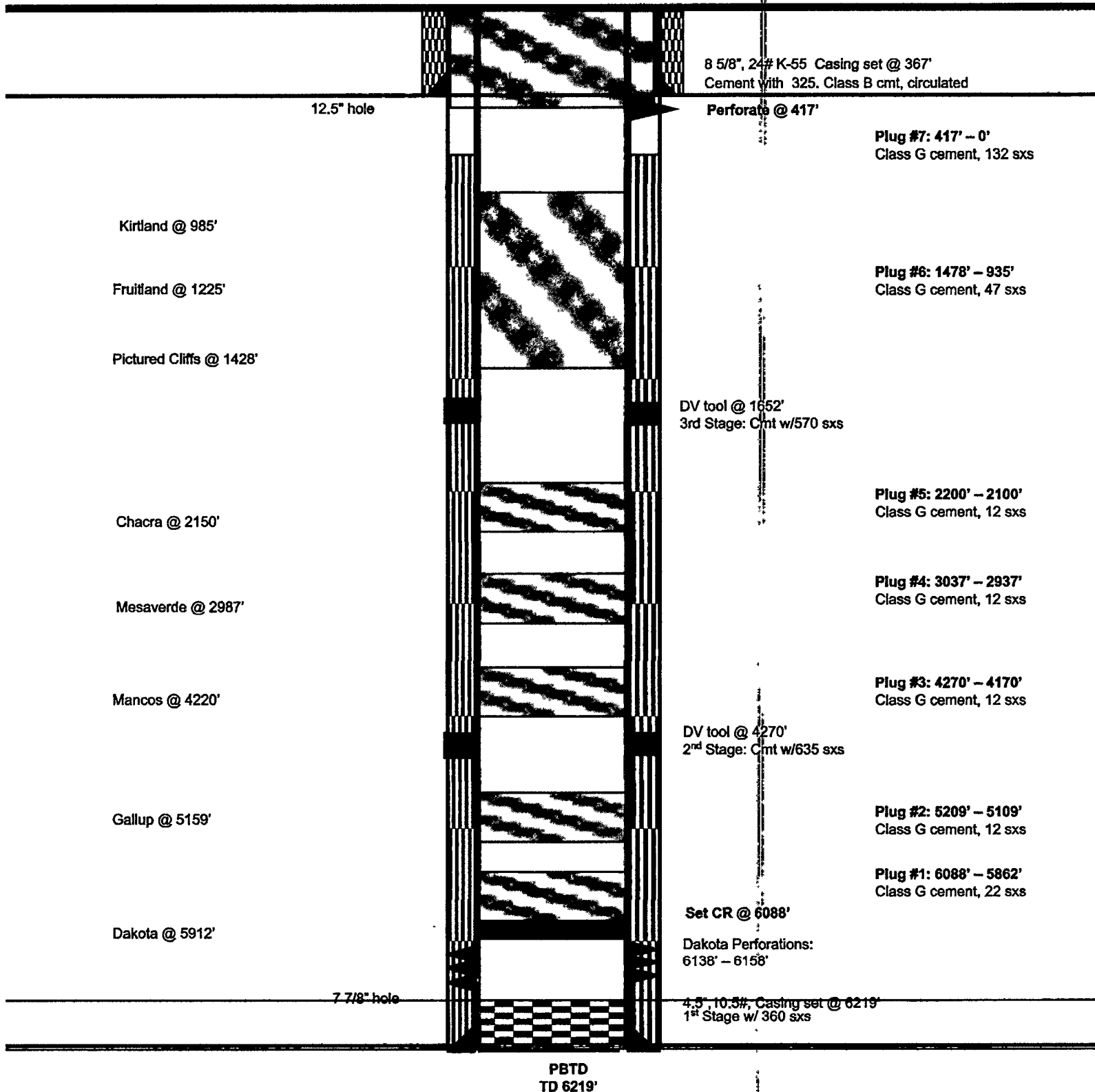
Today's Date: 4/22/20



Farnsworth Gas Unit A 1-E**Proposed P&A**

Basin Dakota
1520' FNL & 800' FWL, Section 17, T30N, R13W,
San Juan County, New Mexico
API# 30-045-24491

Today's Date: 4/22/20





Pickford, Katherine, EMNRD <Katherine.Pickford@emnrd.nm.gov>
to me, Monica

Hi Krysten,

OCD will approve the P&A with the following COAs:

I would approve this with the following COAs.

CBL required

Notify NMOCD 24 Hours Prior to beginning operations

Adhere to BLM approved COAs and plugs. See BLM COAs and GEO report.

Plus, we will need you to submit the BLM approved sundry.

Kate

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

Energy, Minerals and Natural Resources

Revised July 18, 2013

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

WELL API NO.

30-045-24491

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

FEE SUA Richard Kannard 1988

8. Well Number 1-E

9. OGRID Number 371710

10. Pool name or Wildcat

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 ☐ Gas Well ☒ Other

2. Name of Operator

Advanced Wireless Communications LLC

3. Address of Operator

24 Road 1956, Farmington, NM 87401

4. Well Location

Unit Letter E : 1520 feet from the FNL line and 800 feet from the FWL lineSection 17 Township 30N Range 13W NMPM SWNW County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

5564 GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A
 CASING/CEMENT JOB ☐
 OTHER: ☐

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.

Start date: To be determined based on NM OCD approval.

See accompanying Proposed P&A Wellbore Diagram.

See accompanying P&A procedure

Spud Date:

09/09/1980

Rig Release Date:

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

SIGNATURE

TITLE VPDATE 3/11/21Type or print name Krysten Moore E-mail address: krysten@advancedwirelessllc.com PHONE: 505-486-0045**For State Use Only**

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

PLUG AND ABANDONMENT PROCEDURE

April 22, 2020

Farnsworth Gas Unit A #1-E

Basin Dakota

1520' FNL & 800' FWL, Section 17, T20N, R13W,

San Juan County, New Mexico

API 30-045-24491

Note: This procedure is revised based on the approved P&A sundry. All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

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3. **Plug #1 (Dakota perforations and top, 6088' – 5862')**: TIH with gauge ring and RIH to 6088' RIH w/ 4.5" CR and set at 6088'. Load casing with water and circulate well clean. Mix 22 sxs Class G cement. PUH.
4. **Plug #2 (Gallup top, 5209' – 5109')**: Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to cover the Gallup top. PUH.
5. **Plug #3 (Mancos top, 4270' – 4170')**: Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to cover the Manco top. PUH.
6. **Plug #4 (Mesaverde top, 3037' – 2937')**: Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.
7. **Plug #5 (Chacra top, 2200' – 2100')**: Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to cover the Chacra top. PUH.
8. **Plug #6 (Pictured Cliffs, Fruitland and Kirtland tops, 1478' – 935')**: Mix and pump 47 sxs Class G cement and spot a balanced plug inside casing to cover through the Kirtland top. TOH.
9. **Plug #7 (8-5/8" Surface casing shoe, 417' - Surface)**: Perforate squeeze holes at 417'. Establish circulation. Mix and pump 132 sxs down 4.5" casing and circulate cement out casing and bradenhead. WOC.

10. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. Cut off anchors and clean up location. Restore location per BLM stipulations.

Farnsworth Gas Unit A 1-E**Current**

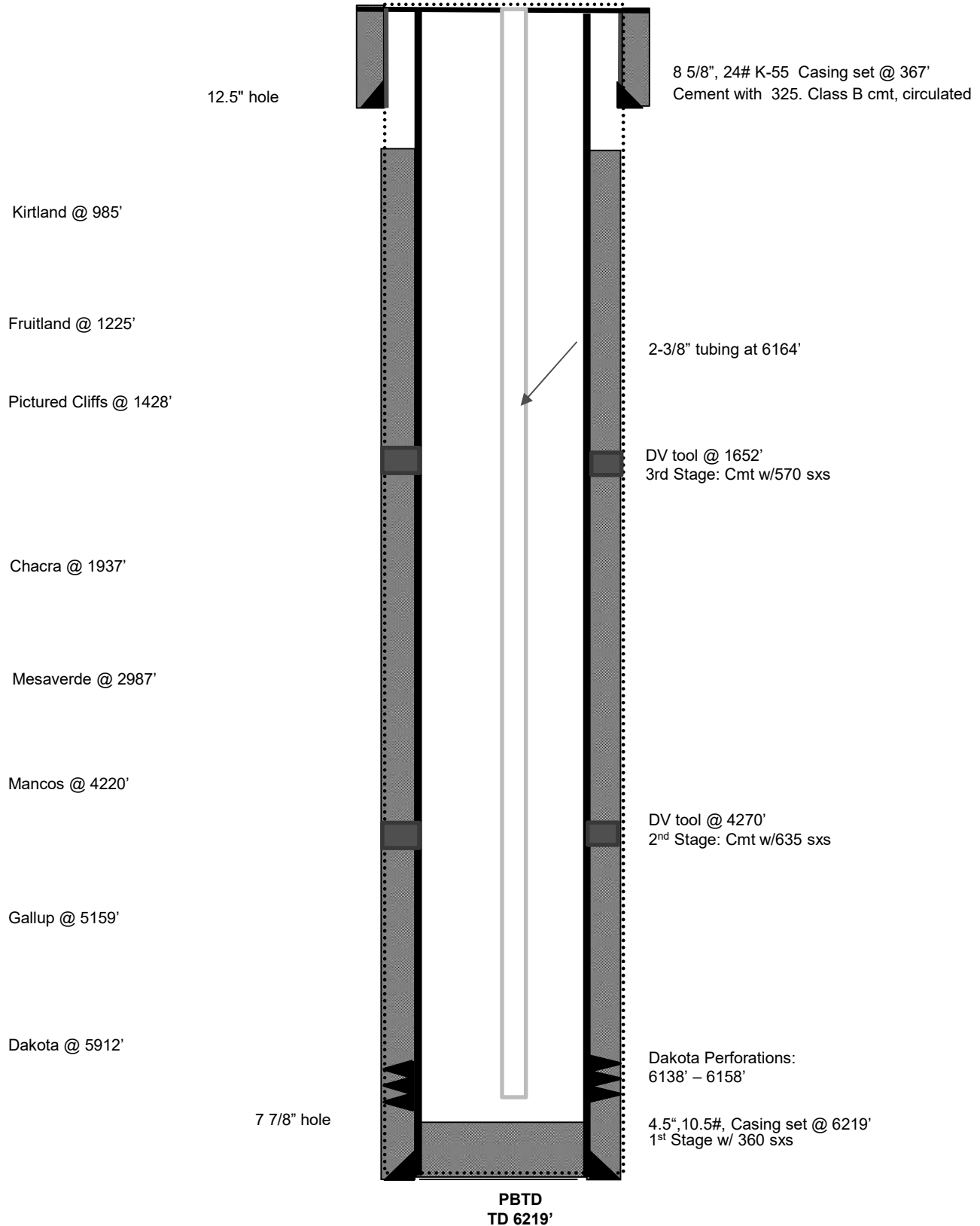
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1520' FNL & 800' FWL, Section 17, T30N, R13W,

San Juan County, New Mexico

API# 30-045-24491

Today's Date: 4/22/20



Farnsworth Gas Unit A 1-E**Proposed P&A**

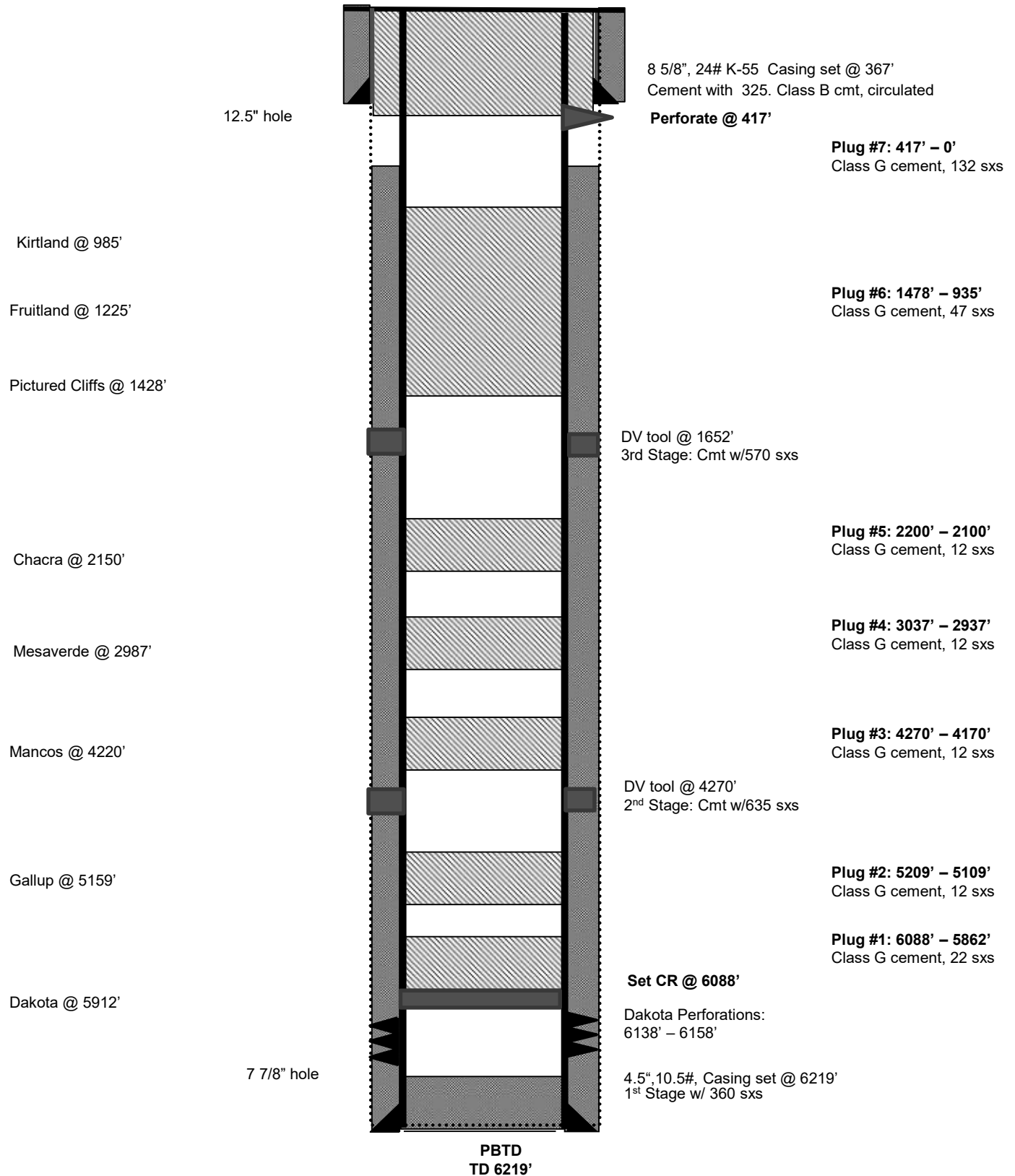
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1520' FNL & 800' FWL, Section 17, T30N, R13W,

San Juan County, New Mexico

API# 30-045-24491

Today's Date: 4/22/20



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 204501

CONDITIONS

Operator: ADVANCED WIRELESS COMMUNICATIONS, L.L.C. 24 Road 1956 Farmington, NM 87401	OGRID: 371710
	Action Number: 204501
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Adhere to BLM approved COAs and plugs. See GEO report.	5/2/2023