

<b>Well Name:</b> CARSON UNIT 15	<b>Well Location:</b> T25N / R12W / SEC 15 / SENE / 36.40167 / 108.09221	<b>County or Parish/State:</b> SAN JUAN / NM
<b>Well Number:</b> 342	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM070322	<b>Unit or CA Name:</b> CARSON UNIT--FRCL	<b>Unit or CA Number:</b> NMNM78385D
<b>US Well Number:</b> 3004527670	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> DJR OPERATING LLC

SID: 1341830

**Notice of Intent**

**Type of Submission:** Notice of Intent

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 02/17/2021

**Time Sundry Submitted:** 09:35

**Date proposed operation will begin:** 03/01/2021

**Procedure Description:** DJR Operating, LLC requests permission to Plug & Abandon the subject well according to the attached Procedure, Current & Proposed Wellbore Diagram and Reclamation Plan.

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

- Reclamation\_Plan\_Carson\_Unit\_15\_342\_20210217093546.pdf
- Proposed\_WBD\_Carson\_Unit\_15\_342\_20210217093546.pdf
- PXA\_Procedure\_Carson\_Unit\_15\_342\_20210217093546.pdf
- Current\_WBD\_Carson\_Unit\_15\_342\_20210217093546.pdf

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**Well Status:** Producing Gas Well

**Operator:** DJR OPERATING LLC

### Conditions of Approval

#### Specialist Review

General\_Requirement\_P\_A\_20210316110602.pdf

#### Additional Reviews

25N12W15HKpc\_Carson\_Unit\_15\_342\_20210325170218.pdf

### Operator Certification

*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 submission of Form 3160-5 or a Sundry Notice.*

**Operator Electronic Signature:** FORD

**Signed on:** FEB 17, 2021 09:35 AM

**Name:** DJR OPERATING LLC

**Title:** Regulatory Specialist

**Street Address:** 1 Road 3263

**City:** Aztec

**State:** NM

**Phone:** (505) 632-3476

**Email address:** sford@djrlc.com

### Field Representative

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**

### BLM Point of Contact

**BLM POC Name:** JOE D KILLINS

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5055647731

**BLM POC Email Address:** jkillins@blm.gov

**Disposition:** Approved

**Disposition Date:** 03/25/2021

**Signature:** Chris Wenman

**Plug and Abandonment Procedure**  
**for**  
**DJR Operating, LLC**  
**Carson Unit 15 342**  
**API # 30-045-27670**  
**SE/NE, Unit H, Sec. 15, T25N, R12W**  
**San Juan County, NM**

**I.**

1. Hold pre-job meeting, comply with all NMOCD, BLM and environmental regulations.
2. Check and record tubing, casing and bradenhead pressures.
3. Remove existing piping from casing valve, RU blow lines from casing valves and blow down casing pressure. Kill well as necessary. Ensure that well is dead or on a vacuum.
4. Trip out of hole with rods and pump. Lay down to be sent in for storage/salvage.
5. ND WH, NU BOP, function test BOP.
6. Trip out of hole with 2 3/8" tubing. LD tubing to be sent in for storage/salvage.

**II.**

7. PU workstring, TIH with bit and scraper, make sure that the bit and scraper will go below 980'. TOOH.
8. PU and RIH with a 4 1/2" cement retainer. Set the CR at +/- 980'. Pressure test tubing to 1000 psi, sting out of CR, test casing to 600 psi. If casing does not test, contact engineering.

**Provided that casing test was good, proceed to step 9.**

9. RU cement equipment. Pump water to assure that tubing is clear.
10. Plug 1. Mix and attempt to pump 10 sx Class G cement through cement retainer. If zone pressures up, sting back out of retainer and continue with Plug 2.

11. Plug 2. Fruitland, Kirtland, Ojo Alamo, and surface casing shoe. From 980' to surface, mix and pump cement until cement circulation is achieved at surface.
12. RD cementing equipment. Cut off wellhead, fill annuli with cement as necessary. Install P&A marker as per regulatory requirements. Record GPS coordinates for P&A marker and the final P&A report. Photograph the P&A marker and attach to the report.
13. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.
14. Send all reports and attachments to DJR Aztec office for regulatory filings.

**Note: All cement is to be Class G mixed at 15.8 ppg, yield 1.15 cu ft / sx. Cement volumes are based on inside capacities + 50' excess and outside capacities + 100 % excess.**

**DJR Operating, LLC**  
**Current Wellbore Diagram**

**Carson Unit 15 342**

API # 30-045-27670  
 SE/NE, Unit H, Sec 15, T25N, R12W  
 San Juan County, NM

GL 6212'  
 KB N/A  
 Spud Date 4/2/1990

**SURF CSG**

Hole size 8.75"  
 Csg Size: 7"  
 Wt: 20#  
 Grade: J-55  
 ID: 6.456"  
 Depth 128'  
 casing cap ft<sup>3</sup>/ft: 0.2273  
 TOC: Circ cmt  
 to surface

**FORMATION TOPS**

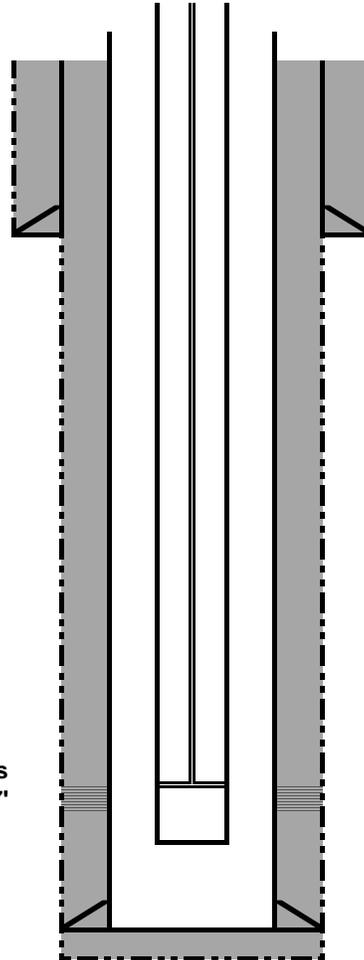
Nacimiento	Surface
Ojo Alamo	N/A
Kirtland	410'
Fruitland	1022'
Pictured Cliffs	1065'

**PROD CSG**

Hole size 6.25"  
 Csg Size: 4.5"  
 Wt: 9.5  
 Grade: J-55  
 ID: 4.09  
 Depth 1151'  
 casing cap ft<sup>3</sup>/ft: 0.0912  
 7x4.5 capacity ft<sup>3</sup>/ft 0.1169  
 TOC: Circ cmt  
 to surface

Fruitland Coal perms  
 1022-1037'

PBTD 1098'  
 TD 1140'



Production Tubing/Rod Detail
(1997) 2-3/8" tbg. 17' tail pipe, 34 jts.
2x1-1/2x12' RWAC pump, 40x7/8" rods, 8',8',4',4'x7/8" rod subs, 1-1/4"x16' polished rod with 8' liner.

**DJR Operating, LLC**  
**Proposed Wellbore Diagram**

**Carson Unit 15 342**

API # 30-045-27670  
 SE/NE, Unit H, Sec 15, T25N, R12W  
 San Juan County, NM

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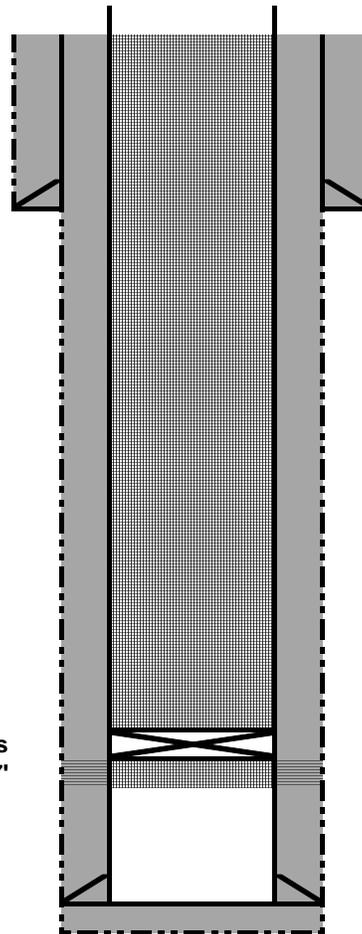
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 TOC: Circ cmt  
 to surface

Fruitland Coal perms  
 1022-1037'

PBTD 1098'  
 TD 1140'



Plug 2: From 980' to surface, mix and pump Class G cement until cement circulation is seen at surface.  
 Set retainer at 980'

Plug 1: Squeeze 10 sx Class G cement cement below retainer.

**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 H<sub>2</sub>S.

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)

### BLM FLUID MINERALS Geologic Report

**Date Completed:** 3/24/2021

Well No. Carson Unit 15 #342 (API# 30-045-27670)	Location	2460	FNL &	885	FEL
Lease No. NMSF-070322	Sec. 15	T25N		R12W	
Operator DJR Operating, LLC	County	San Juan		State	New Mexico
Total Depth 1140'	PBTD 1098'	Formation Fruitland Coal (producing), Pictured Cliffs (TD)			
Elevation (GL) 6212'		Elevation (KB)			

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/Fresh water sands
Nacimiento Fm			Surface	250	Fresh water sands
Ojo Alamo Ss			250	410	Aquifer (fresh water)
Kirtland Shale			410	820	
Fruitland Fm			820	1065	Coal/Gas/Possible water
Pictured Cliffs Ss			1065	PBTD	Gas
Lewis Shale					
Chacara					
Cliff House Ss					Water/Possible gas
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos Shale					
Gallup					O&G/Water
Graneros Shale					
Dakota Ss					O&G/Water

Remarks:

P & A

- BLM formation top picks for the Kirtland and Ojo Alamo formations vary from operator picks. No change to the P&A procedure is required (entire well bore will be cemented to surface).
- Log analysis of reference well #2 indicates the Nacimiento and Ojo Alamo sands investigated likely contain fresh water ( $\leq 5,000$  ppm TDS). P&A procedure has cement from the cement retainer @ 980' to Surface which will protect freshwater sands in this well bore.
- Fruitland Coal perforations @ 1022-1037'.

Reference Well:

1) Same

Fm. Tops

2) Giant E & P Co.  
Carson Unit #23  
1980' FSL, 1980' FEL  
Sec. 19, T25N, R11W  
GL 6438' KB 6447'

Water  
Analysis

**Prepared by: Chris Wenman**

**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**

COMMENTS

Action 22095

**COMMENTS**

Operator:	DJR OPERATING, LLC	1 Road 3263	Aztec, NM87410	OGRID:	371838	Action Number:	22095	Action Type:	C-103F
Created By	Comment				Comment Date				
kpickford	KP GEO Review 3/29/2021				03/29/2021				

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CONDITIONS

Action 22095

**CONDITIONS OF APPROVAL**

Operator:	DJR OPERATING, LLC	1 Road 3263	Aztec, NM87410	OGRID:	371838	Action Number:	22095	Action Type:	C-103F
OCD Reviewer	Condition								
kpickford	Notify NMOCD 24 Hours Prior to beginning operations								