

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

WELL API NO. 30-045-34234
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Redfern
8. Well Number 5
9. OGRID Number 372286
10. Pool name or Wildcat Basin Fruitland Coal

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
Enduring Resources IV LLC

3. Address of Operator
332 Road 3100 Aztec, NM 87410

4. Well Location
 Unit Letter E : 2119 feet from the N line and 521 feet from the W line
 Section 14 Township 29N Range 13W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
5330'

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 checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input 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 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.

As this well is no longer economical, Enduring Resources IV LLC respectfully requests to plug and abandon this well using the following procedure:
 MIRU well servicing rig and cement equipment. LD rods on float.
 ND WH, NU BOPE. RU rig floor and 2.375in handling tools. LD production string, approx 1245ft.
 Tally, PU 7in casing scraper, RIH w 2.375in work string to 1164ft. TOOH, LD casing scraper. Pick up CICR, TIH to 1144ft and set. Pressure test tubing to 1000 psi. Sting out, roll hole and pressure test casing to 500 psi. WOC to be determined if test holds.
Plug 1: 1044ft-1144ft. (Fruitland perms 1194ft-1267ft) Mix and pump 19 sxs Class B cement or equivalent on top of CIBP to plug off Fruitland perms. Reverse circulate hole clean. TOOH w setting tool, approx 37 jts. TIH open ended to 377ft, approx 12 jts.
Plug 2: Surface -377ft. (Kirtland top 302ft) Spot balanced plug using 71 sxs Class B cement to cover Kirtland top and a minimum of 377ft to surface and top off as needed.
 ND BOP and cut off wellhead below surface casing flange per regulation. Install P&A marker with cement to comply with regulation. RD, MOL and cut off anchors.

The City of Farmington owns the surface and Enduring Resources IV LLC will work with the City to reclaim the surface to their specifications.

Spud Date: 03/12/2008 Rig Release Date: _____ Notify NMOCD 24 hrs prior to beginning operations

COA: Extend Plug #1; 1144'-907'. Add a P.C. plug 1369'-1269'

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

SIGNATURE April E Pohl TITLE Regulatory Specialist DATE 8/28/18

Type or print name April E Pohl E-mail address: apohl@enduringresources.com PHONE: 505-636-9722

For State Use Only
 APPROVED BY: Bronch Roll TITLE I + E Supervisor DATE 8/31/18
 Conditions of Approval (if any): N



Enduring Resources Plug & Abandon Procedure July 3, 2018

Well:	Redfern 5	API:	30-045-34234
Location:	2119' FNL & 522' FWL	Field:	Basin Fruitland Coal
Sec, T, R:	Sec. 14, T29N, R13W Unit E	Elevation:	GL: 5330'
Cnty/State:	San Juan, New Mexico	By:	Aztec Well Servicing
Lat/Long:	36.7278748, -108.1825409		

WellView
ERC - Current WBD

Well Name: Redfern 05

APILW# 3004534234	Surface Legal Location	Field Name Basin(New Mexico)	License # 000000	State/Province New Mexico	Well Configuration Type Land
Original KB Elevation (ft) 5,346.00	P/E Tubing Head Distance (ft)	Spud Date 3/12/2008 19:45	Rig Release Date	RFID (ft) (RKB) Original Hole - 1,431.0	Total Depth (ft) (RKB) Original Hole - 1,396.5

Land: Original Hole, 8/19/2018 12:52:38 PM

Vertical schematic (actual)

Casing Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)
Conductor	13 3/8	49.00	H40	STC	15.0	43.0
Surface	9 5/8	36.00	J-55	LTG	15.8	203.0
Production Casing	7	23.00	N-80	LT&C	16.0	1,482.0

Cement

Description Conductor Cement	Comment: P/JSM W/ HES CEMENTERS. R/U CEMENTERS & PUMP 125 SKS (27 BBL) OF TYPE 5 CEMENT W/ 3% CACL2 AND 1/4#BBL CELLOFLAKE AT 15.5 PPG WITH 1.19 YIELD & 150 SKS (31 BBL) OF TYPE 5 CEMENT 1/4#BBL CELLOFLAKE AT 15.5 PPG WITH 1.19 YIELD. 8 BBL CLEAN CMT TO SURFACE. GOOD RETURNS TO SURFACE AND FLUID LEVEL HOLDING AT SURFACE. CEMENT IN PLACE @ 17:00 HRS. NOTE: WOC TIME EFFECTED DUE TO NO CACL2 IN LAST 150 SX.
Description Surface Casing Cement	Comment: P/JSM WITH HES CEMENTERS & R/U SAME. TEST LINES TO 1500 PSI. PUMP 20 BBL FRESH WATER AHEAD OF CEMENT. PUMP 25 BBL (125 SX) OF PREMIUM CLASS G CEMENT (1% CACL2 + 1/8# FLAKE) @ 15.6 PPG WITH 1.2 YIELD. DROP TOP PLUG & DISPLACE WITH 13 BBL OF FRESH WATER. DID NOT BUMP PLUG. BLEED BACK AND FLOATS HELD. FULL RETURNS DURING JOB WITH 10 BBL (50 SX) OF CLEAN CEMENT TO SURFACE. CIP @ 10:00 HRS. R/D HES CEMENTERS.
Description Production Casing Cement	Comment: PRESSURE TEST LINES TO 2500 PSI. PUMP 10 BBL WATER - 20 BBL CHEM WASH - 10 BBL WATER AHEAD OF CEMENT. PUMP 245 SX (61.5 BBL) TAIL CMT - 50/50 POZ @ 13.1 PPG W/ 1.39 YIELD. DISPLACE WITH 57 BBL FRESH WATER. DID NOT BUMP PLUG. BLEED BACK AND FLOATS HELD. FULL RETURNS DURING JOB WITH 8 BBL (32 SX) CLEAN CEMENT TO SURFACE. CIP @ 1:00 HRS ON 3/21/08. R/D HES CEMENTERS.

Date	Top (ftKB)	Bot (ftKB)	Nom Hole Dia (in)	Shot Dens (lbm/ft)	Entered Shot Total
4/3/2008	1,184.0	1,206.0	0.420	4.0	
4/3/2008	1,225.0	1,257.0	0.420	4.0	
4/3/2008	1,265.0	1,287.0	0.420	4.0	

Tubing Strings

Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)
LONG TUBING	4/19/2008	1,292.23	1,308.2

Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Bot (ftKB)	Grade	Wt (lb/ft)
1	TUBING HANGER	7	1.00	16.0	17.0	J-65	4.70
40	TUBING	2 3/8	1,245.7	17.0	1,282.7	J-55	4.70
1	PUP JTS	2 3/8	10.30	1,262.7	1,273.0	J-55	4.70
1	SEATING NIPPLE	2 3/8	1.08	1,273.0	1,274.1	J-55	4.70
1	SAND SCREEN	2 3/8	23.77	1,274.1	1,297.9	J-55	4.70
1	PUP JTS	2 3/8	10.12	1,297.9	1,308.0	J-55	4.70
1	BULL PLUG	2 3/8	0.25	1,308.0	1,308.2	J-55	4.70
1	END OF TBNG	0.0	0.00	1,308.2	1,308.2	0	0.00

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**Enduring Resources
Plug & Abandon Procedure**

July 3, 2018

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