

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 **522** 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:

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.

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 NMOC 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 Pohl TITLE I & E Supervisor DATE 8/31/18
Conditions of Approval (if any): N



Family-owned, founded in 1983 with Aztec Well Servicing Co.



Enduring Resources Plug & Abandon Procedure July 3, 2018

Well: Redfern 5
Location: 2119' FNL & 522' FWL
Sec, T, R: Sec. 14, T29N, R13W Unit E
Cnty/State: San Juan, New Mexico
Lat/Long: 36.7278748, -108.1825409

API: 30-045-34234
Field: Basin Fruitland Coal
Elevation: GL: 5330'
By: Aztec Well Servicing

WellView **ERC - Current WBD**

Well Name: Redfern 05

API# 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	FE Tubing Head Distance (ft)	Solid Date 3/12/2008 19:45	Rig Release Date	PERD (API#) 1,431.0	Total Depth (API) (ft) 203.0 Original Hole - 1,386.5

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

Vertical schematic (actual)

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)
Conductor	13 3/8	48.00	H40	STC	15.0	43.0
Surface	9 5/8	36.00	J-55	LTC	15.8	203.0
Production Casing	7	23.00	N-80	LT&C	16.0	1,482.0

Cement

Description Conductor Cement

Comment: PJSM W/ HES CEMENTERS. R/U CEMENTERS & PUMP 125 SKS (27 BBLs) OF TYPE 5 CEMENT W/ 3% CACL2 AND 1/4# BBL CELLOFLAKE AT 15.5 PPG WITH 1.19 YIELD & 150 SKS (31 BBLs) OF TYPE 5 CEMENT 1/4# BBL CELLOFLAKE AT 15.6 PPG WITH 1.19 YIELD. 8 BBLs 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: PJSM WITH HES CEMENTERS & R/U SAME. TEST LINES TO 1500 PSI. PUMP 20 BBLs FRESH WATER AHEAD OF CEMENT. PUMP 25 BBLs (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 BBLs OF FRESH WATER. DID NOT BUMP PLUG. BLEED BACK AND FLOATS HELD. FULL RETURNS DURING JOB WITH 10 BBLs (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.

Perforations

Date	Top (ftKB)	Bottom (ftKB)	Nom Hole Dia (in)	Shot Dens (shots/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)	Bottom (ftKB)	Grade	Wt (lb/ft)
1	TUBING HANGER	7	1.00	10.0	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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