



MWJ Federal #5 Plug and Abandon Procedure

Brushy Draw Field

Section 35 T-26S, R-29E
Eddy Co., New Mexico

API # 30-015-25536
Property # NA

Spud Date: 01/12/1986
TD Date: 02/21/1986

Producing Formations:
Deleware
Perfs: 4,978'-5,061'

KB Elev: unk
GL Elev:
TD: 6,260'
PBTD:
Marker Joint: N/A

CASING SUMMARY:

Safety Factor = 80% of new applied to burst, collapse and tension parameters in table.

Size	Depth (ft)	Weight (#/ft)	Grade psi	Connection Type	Capacity (bbls/ft)	ID (in)	Drift (in)	Burst (psi)	Collapse (psi)	Tension (lbs)
13 3/8"	413'	54.5#	J-55	8 rd	.158	n/a	n/a	n/a	n/a	n/a
8 5/8"	2,800'	24 & 32#	K-55	8 rd	.0610	n/a	n/a	n/a	n/a	n/a
5 1/2"	6,260'	15.5 #	J-55	STC	.0238	n/a	n/a	n/a	n/a	n/a

Surface: 13 3/8": 0'-413' - TOC @ surface
Production: 8 5/8" 0' - 2,800' - TOC @ 1,760' per calculation
Production 5 1/2" : 0' - 6,260' - TOC 2,800' - per temp. survey

COMPLETION HISTORY TO DATE:

OBJECTIVE: Plug and abandon.

WPX REQUIRES THAT HARD HATS, STEEL TOE BOOTS, FIRE RETARDANT CLOTHING, AND SAFETY GLASSES BE WORN ON LOCATION.

HOLD SAFETY MEETING PRIOR TO COMMENCING PERFORATING, WIRE LINE AND PUMPING OPERATIONS

NO IGNITION SOURCES WITHIN 100 FT OF THE WELLHEAD, FLOWBACK TANKS OR MANIFOLD.

PROCEDURE:

- 1) Test safety anchors and replace as necessary. Set 1 clean frac tank and fill with 480 BFW.
- 2) MIRU Service Unit. Deliver, unload and tally 155 jts. 2-3/8" 4.7# J-55 EUE work string.
- 3) ND WH, NU 3K# BOP.
- 4) Pull Pump off seat, Lay down 1 rod, RU hot oil unit & pump 35 bbls. hot water with paraffin solvent down rods & tbg.
- 5) POOH rods & tbg. & Lay Dn.
- 6) MI RU wireline unit. Run 5 1/2" GR/JB to 4900'.
- 7) RIH w- 5 1/2" tbg. conveyed CIBP & set @ 4,900' - PU 1 jt. Pump 115 bbls. heavy mud. Spot 4 sx (35') Class C Cement (14.8 ppg, 6.3 gps, 1.32 cfs yield) & flush with heavy mud. TOOH w- tbg.
- 8) WOC & Tag @ 4,865'.
- 9) Spot ⁵⁰ 35 sxs from 3,690' - 4,790'.
- 10) WOC & Tag - Max Tag Depth 3,690'.
- 11) Spot 35 sxs from ~~2750'-2,850'~~ *230' minimum from 2980-2750*
- 12) WOC & Tag - Max Tag Depth ~~2750'~~ ^{ok} *2750'* *1112*
- 13) RU WL & Perforate 4 holes in the 5 1/2" @ ~~4062'~~ RD MO wireline.
- 14) RIH w- Pkr & tbg. - set Pkr @ 600' - Establish pump rate & pump 20 bbls. heavy mud. Squeeze 50 sx Class C Cement (14.8 ppg, 6.3 gps, 1.32 cfs yield) .Flush w- heavy mud TOOH.
- 15) WOC for 4 hrs.
- 16) RIH & Tag Plug- Max Tag Depth - 1,012'
- 17) RU WL & Perforate 4 holes in the 5 1/2" @ ⁴⁶⁵ ~~415'~~ RD MO wireline.
- 18) flange up WH. - Establish pump rate & pump Squeeze 125 sx Class C Cement (14.8 ppg, 6.3 gps, 1.32 cfs yield) to surface between 5 1/2" & 9 5/8".
- 19) RDMO Service Unit. RDMO Cementers.
- 20) MIRU Welder. Cut-off casing head. WO cap with well name and number, operator name, and date.
- 21) Pull safety anchors, dress, and reclaim surface location if necessary.

*if using dump B.
- or spot 25 s.*

RKI Contact List:

WPX	Title	Office	Cell
Danny Emerson	Production Superintendent	575-885-1313	505-614-4867
Scott Armstrong	Permian Production Engineer	539-573-0162	918-557-9944
Brad Ballinger	Permian Production Engineer	539-573-0135	303-928-0799
Glenn Griffin	Permian Production Engineer	539-573-7547	405-437-9557
Heather Stephens	Permian Production Engineer	539-573-8961	303-898-3918
Josh Walker	Regulatory Specialist	539-573-0108	580-716-0330
Les Peeler	Plugging Consultant	405-454-0008	405-659-5185

Emergency Contacts – New Mexico:

Hospital: Carlsbad Medical Center (575) 887-4100
2430 W. Pierce St., Carlsbad, NM 88220

Sheriff's Office: Lea County Sheriff Dept (575) 396-3611
Eddy County Sheriff Dept (575) 887-7551

Emergency Contacts – Texas:

Hospital: Reeves County Hospital (432) 447-3551
2323 Texas St, Pecos TX 79772

Sheriff's Office: Reeves County Sheriff Dept (432) 445-4901
Loving County Sheriff Dept (432) 377-2411

Current Completion

KB: 0.0'

GL: 0.0'

Datum: 0.0' above GL

Spud: 01/12/86

Completed: 02/21/86

MWJ Federal #5

Current WB

Les Peeler 08-02-16

API No: 30-015-25536

Sec. 35, T 26 S., R 29 E.

Eddy Co. New Mexico

13 3/8" 54.5# @ 413' Cmt'd w- 500 sxs to surf.

8 5/8" 24 & 32# @ 2800' Cmt'd w/200 sx
TOC 1,760' per calculation

5 1/2" 15.5# to 6260' w- 950 sxs. Class "C"
TOC @ 2800' per temp survey

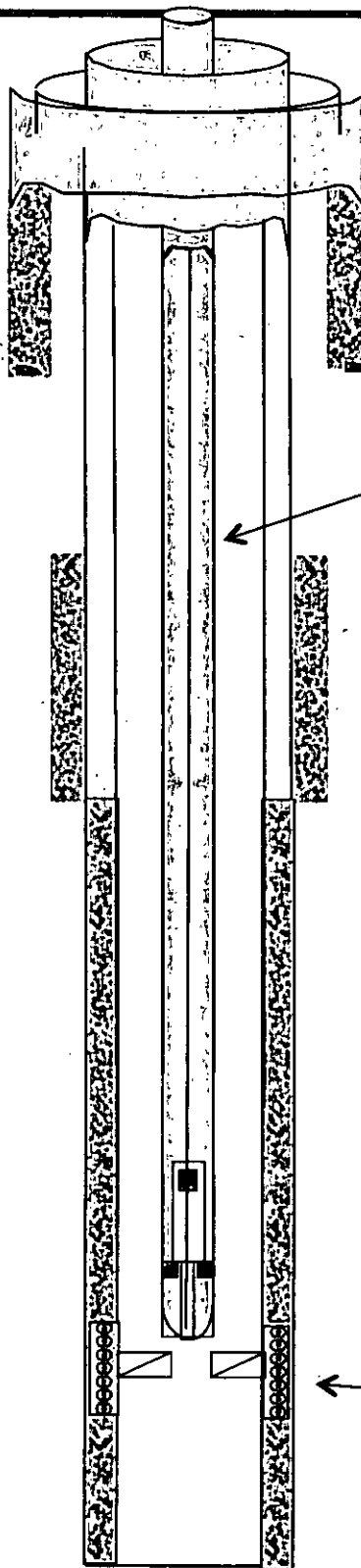
DV Tool - 4,740'

159 jts x 2-7/8" Tbg
SN 4,887' - TAC 4,766'

Rod String: NA
70 - 7/8" & 120 - 3/4"

Deleware
Perf 4,978' - 5,061'

TD @ 6,260'



Proposed

KB: 0.0'

GL: 0.0'

Datum: 0.0' above GL

**MWJ Federal #5
Proposed Plugged WB**

Les Peeler 08-02-16
API No: 30-015-25536

Sec. 35, T 26 S., R 29 E.
Eddy Co. New Mexico

Spud: 01/12/86
Completed: 02/21/86

13 3/8" 54.5# @ 413' Cmt'd w- 500 sxs to surf.
Perf 5 1/2" @ 415 & Sqz 125 sxs to surf.

Perf 5 1/2" @ 1,062' & Sqz 50 sxs 1012'-1112' & Tag

8 5/8" 24 & 32# @ 2800' Cmt'd w/200 sx
TOC 1,760' per calculation

Spot 35 sxs cmt. from 2750' - 2850' & Tag

5 1/2" 15.5# to 6260' w- 950 sxs. Class "C"
TOC @ 2800' per temp survey

Spot 50 sxs cmt. from 3,690' to 4,790' Tag
DV Tool - 4,740'

Set tbq. conveyed CIBP @ 4900' & spot 35' cmt.

Deleware
Perf 4,978' - 5,061'

TD @ 6,260'

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

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

Form C-103

Revised July 18, 2013

WELL API NO. 30-015-25536	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name MWJ Federal	
8. Well Number 5	
9. OGRID Number	
10. Pool name or Wildcat Brushy Draw Delaware	
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 checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator RKI Exploration & Production LLC	
3. Address of Operator 3500 One Williams Center MD-35 Tulsa, Oklahoma 74172	
4. Well Location Unit Letter <u>H</u> : <u>330</u> feet from the <u>South</u> line and <u>330</u> feet from the <u>East</u> line Section <u>35</u> Township <u>T-26 S</u> Range <u>R-29E</u> NMPM County <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2867' GR	

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.

RKI Exploration & Production LLC is requesting to Plug & Abandon the MWJ Federal #5.
Please see the attached procedure & Well Bore Diagram.

Spud Date: 01-12-1986

Rig Release Date: 01-23-1986

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

SIGNATURE A. Fechino TITLE Regulatory Spec. DATE _____

Type or print name Ashlee Fechino E-mail address: Ashlee.Fechino@wpxenergy.com PHONE: 539-573-0212
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any): _____

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation procedure.

J. Amos 3/6/11