

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. 30-025-35634
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Toro 22 State
8. Well Number 4
9. OGRID Number 246289
10. Pool name or Wildcat Scharb' 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, OK 74172	
4. Well Location Unit Letter F : 1650 feet from the North line and 1880 feet from the West line Section 22 Township 19S Range 35E NMPM County Lea	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT R	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	INT TO PA <input checked="" type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P&A NR <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL. <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	P&A R <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		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 and Abandon the Toro 22 State 4 well.  
Please see attached P&A procedure and wellbore diagrams.

Spud Date:

08/03/2014

NOTIFY OCD 24 HOURS PRIOR TO BEGINNING  
PLUGGING OPERATIONS

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

SIGNATURE Josh Walker TITLE Regulatory Specialist DATE 7/25/2016

Type or print name Josh Walker E-mail address: josh.walker@wpenergy.com PHONE: (539) 573-0108

For State Use Only

APPROVED BY: Mark Wintala TITLE Petroleum Engr. Specialist DATE 7/27/2016  
Conditions of Approval (if any):

MW





Prepared By: Jaime McAlpine, PE  
Email: jaime.mcalpine@wpxenergy.com

## Toro 22 State 4 Plugging and Abandonment Procedure

Klein Ranch Field

Section 22 T19S R33E  
Lea County, NM

API # 30-025-35634  
Property No. 261300

Spud Date: 8/3/01  
Comp Date: 10/10/01

Producing Formations: Delaware 7,634'-7,669' OA

KB Elev: 3,772'  
GL Elev: 3,752'  
TD: 11,100'  
PBTD: 7,810'  
Marker Joint: none

### 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"	597'	48	H-40	STC	0.1571	12.715	12.559	1,385	600	258,000
8 5/8"	5,119'	32	M-80	ST&C	0.0609	7.921	7.700	4,570	2,440	361,000
5 1/2"	11,093'	17	N-80/P110	LT&C	0.0233	4.778	4.653	7,350	7,165	342,000

Surface: 13 3/8" 48# H-40 STC: 0'-597' - TOC @ surface  
Intermediate: 8 5/8" 32# M-80 STC: 0'-5,119' - TOC @ surface  
Production: 5 1/2" 17# N-80/P-110 LTC: 0' - 11,093'; TOC @ 6,510' per CBL

COMPLETION HISTORY TO DATE: Delaware 7,634'-7,669' OA. Well shut down because uneconomic.

OBJECTIVE: Plug and Abandon.

### PROCEDURE:

- 1) MI RU Service Unit. Set frac tank and lay flowline.
- 2) HO PU. Unseat pump and ROH, LD sucker rods, pump.
- 3) ND WH. NU 5K# BOP.
- 4) Release TAC. TOH w/ tubing..
- 5) MI RU wireline. RIH w/ JB/GR to 7,610'. RIH and set 10K# CIBP @ 7,600'.
- 6) TIH w/ 2-7/8" tubing to 7590'.
- 7) MI RU cementers. Pump 136 bbls heavy mud, 25 sx Class H cmt (16.4 ppg, 4.3 gps, 1.08 cfs yield). Flush with 44 bbls heavy mud. *Pressure test casing & report results.*

- 8) TOH w/ tubing, LD 1,800' tubing.
- 9) RIH and perforate 4 squeeze holes @ 5,600'. 40
- 10) TIH w/ 5½" AS-1X packer, 2-7/8" tubing to 5,100'. Set pkr with 15K# tension. Pump 20 bbls heavy mud, 30 sx Class C cmt (14.8 ppg, 6.3 gps, 1.32 cfs yield). Flush with 32 bbls heavy mud. TOH w/ packer WOCT 4 hours.
- 11) RIH w/ sinker bar and tag TOC (Maximum tag depth @ 5,350'). RIH and perforate 4 squeeze holes @ 5,175'.
- 12) TIH w/ 5½" AS-1X packer, 2-7/8" tubing to 4,850'. Set pkr with 15K# tension. Pump 20 bbls heavy mud, 30 sx Class C cmt (14.8 ppg, 6.3 gps, 1.32 cfs yield). Flush with 31 bbls heavy mud. TOH w/ packer, LD tubing. WOCT 4 hours.
- 13) RIH w/ sinker bar and tag TOC (Maximum tag depth @ 5,019'). RIH and perforate 4 squeeze holes @ 650'. Top & Base Salt
- 14) ND BOP. MI RU weldor. WO 5½" nipple, install valve. Perf at 3340' SQZ w/ 30sx WOC & Tag.
- 15) Pump 20 bbls heavy mud, 30 sx Class C cmt (14.8 ppg, 6.3 gps, 1.32 cfs yield) to cement from 650' to surface. (inside/outside) Perf at 1750' SQZ w/ 30sx WOC & Tag
- 16) RD MO cementers. RD MO service unit. Verify cement to surface all strings
- 17) Cut-off casinghead. WO cap with well name/number, operator name, date. Set from top of casing to minimum 4' above ground level, install a minimum 4" in diameter marker with WO cap with operator, well name/number and date. API number, UL-S-T-R
- 18) Remove all equipment, safety anchors, clean up and reclaim surface location.

**WPX Contact List:**

WPX	Title	Office	Cell
Danny Emerson	Permian Production Superintendent	575-885-1313	505-614-4867
Adam Cole	Senior Petroleum Engineer	539-573-7531	405-388-1323
Paul Munding	Permian Production Manager	539-573-7572	405-820-2825
Jaime McAlpine	Engineering Consultant	405-341-3506	405-850-6685

**Emergency Contacts -- New Mexico:**

Hospital:	Carlsbad Medical Center 2430 W. Pierce St., Carlsbad, NM 88220	(575) 887-4100
Sheriff's Office:	Lea County Sheriff Dept Eddy County Sheriff Dept	(575) 396-3611 (575) 887-7551





## Toro 22 State 4

Section 22 T19S R35E

Lea County, NM

API No. 30-025-35634

**CURRENT**

2/2/16; JLM

KB - 3,772'

GL - 3,752'

Tubing: 237 ct. (7,485') 2-7/8" 6.5#  
N-80 EUE Tbg.

CIBP w/ 35' (3 sx) cmt @ 7,810'  
(Top of Bone Spring)

CIBP @ 10,037' w/ 3 sx cmt  
CIBP @ 10,052' (Top of Wolfcamp)

PBTD 7,810'  
TD 11,100'

13 3/8" 48# H-40 LTC @ 597'

8 5/8" 32# M-80 STC @ 5,119'

Casing leak 5,454'-5,485'. Could not pump  
into leak. Pressured to 1,000 psi w/ no rate

TOC @ 6,510' by CBL

Brushy Canyon 7,634'-7,669' OA

Wolfcamp 10,617'-10,789' OA

5 1/2" 17# N-80/P-110 LTC @ 11,093'

# WPXENERGY.

## Toro 22 State 4

Section 22 T19S R35E

Lea County, NM

API No. 30-025-35634

**PROPOSED**

2/2/16; JLM

KB - 3,772'

GL - 3,752'

Perforate 4 sqz holes @ 650'.  
Sqz w/ 60 sx cmt to surface.

Perf at 1750' (T. Salt)  
Sqz w/ 30 sx WOC & Tag  
Perf at 3340' (B. Salt)  
Sqz w/ 30 sx WOC & Tag

Perforate 4 sqz holes @ 5,175'.  
Sqz w/ 30 sx cmt. WOC & Tag

Perforate 4 sqz holes @ 5,600'.  
Sqz w/ 30 sx cmt. (Top of Delaware)

WOC & Tag

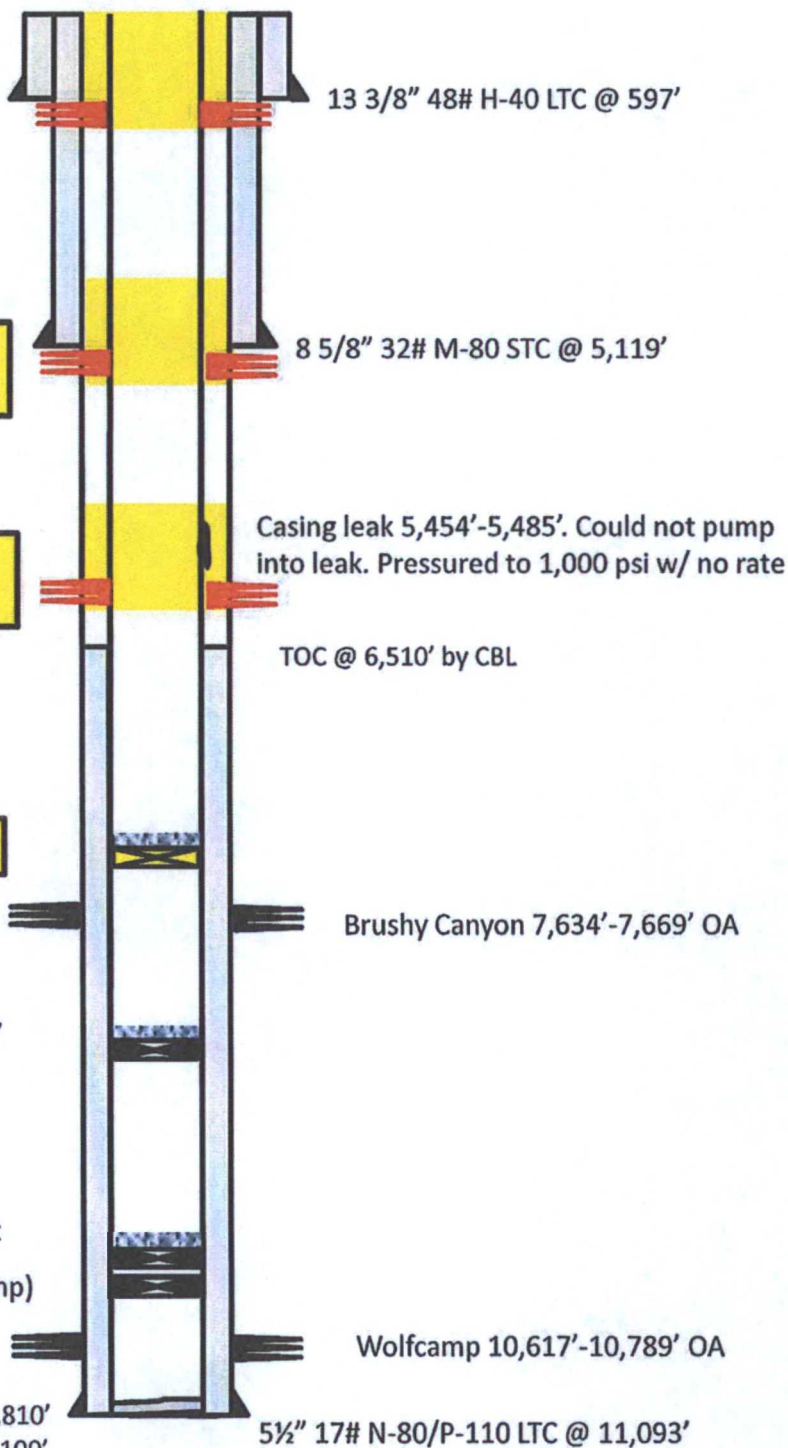
CIBP w/ 25 sx cmt @ 7,600'

CIBP w/ 35' (3 sx) cmt @ 7,810'  
(Top of Bone Spring)

CIBP @ 10,037' w/ 3 sx cmt

CIBP @ 10,052' (Top of Wolfcamp)

PBTD 7,810'  
TD 11,100'



Wolfcamp 10,617'-10,789' OA

5 1/2" 17# N-80/P-110 LTC @ 11,093'