

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

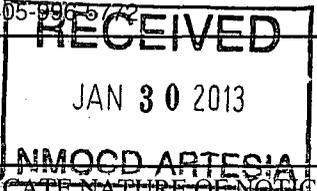
OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM91078
2. Name of Operator RKI EXPLORATION & PRODUCTION E-Mail: cahn@rkixp.com		6. If Indian, Allottee or Tribe Name
3a. Address 210 PARK AVENUE, SUITE 900 OKLAHOMA CITY, OK 73102		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 405-996-5771 Fx: 405-996-5772		8. Well Name and No. LONGVIEW FEDERAL 1 44
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T23S R28E SESE 360FSL 330FEL		9. API Well No. 30-015-38070
10. Field and Pool, or Exploratory S.CULEBRA BLUFF-BONE SPRG		11. County or Parish, and State EDDY COUNTY, NM



12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Drilling Operations

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

As detailed in the attached recompletion plan, RKI Exploration & Production, LLC needs to recomplete the subject well within the Delaware sands above the current perforations (7,424 feet to 7,452 feet). As shown on the attached wellbore schematic, the new perforations for Delaware sands will be 5,972 feet to 6,482 feet.

Accepted for record  
NMOCD

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

SUBJECT TO LIKE  
APPROVAL BY STATE

*Provide C102 to NMOCD*

14. Thereby certify that the foregoing is true and correct.

Electronic Submission #180345 verified by the BLM Well Information System  
For RKI EXPLORATION & PRODUCTION, sent to the Carlsbad  
Committed to AFSS for processing by KURT SIMMONS on 01/11/2013 ()

Name (Printed/Typed) CHARLES K AHN	Title EH&S/REGULATORY MANAGER
Signature (Electronic Submission)	Date 01/10/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By	Title
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office

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.

# RKI Exploration & Production, LLC

## Longview #1-44

### Recompletion Procedure

Delaware sands  
East Herradura Bend Field

Section 1-T23S-R28E  
Eddy County, New Mexico

API # 30-015-38070  
Property No. 210730

**Spud Date:** 8/22/10  
**Comp Date:** 3/16/11

**Producing Formation:** 1<sup>st</sup> Bone Spring 7,424'-7,452'

**KB Elev:** 3,059'  
**GL Elev:** 3,042'

**TD:** 7,737'  
**PBTD:** 7,691'

**Marker Joint:** DV Tool @ 4,968' per CBL

#### 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"	299'	54.5	J-55	STC	0.1546	12.615	12.459	2,185	905	411,000
9 5/8"	2,715'	40	J-55	STC	0.0758	8.835	8.679	3,160	2,055	389,000
5 1/2"	7,737'	17	N-80	LTC	0.0233	4.892	4.767	6,190	5,025	278,400

Surface: 13 3/8" 54.5# J-55 STC: 0-299' - TOC @ surface  
Intermediate: 9 5/8" 40# J-55 STC: 0' - 2,715' - TOC @ surface  
Production: 5 1/2" 17# N-80 LTC: 0' - 7,737' - DV Tool @ 4,968'; TOC @ 125' per CBL

**COMPLETION HISTORY TO DATE:** 1st Bone Spring (7,424'-7,452') perforated and fracture stimulated 2/11. Well on rod pump production.

**OBJECTIVE:** Perforate, fracture stimulate and test the Avalon and Delaware sands

**NOTE:** Maximum allowable surface pressure for Delaware sand treatments down 5 1/2" 17# N-80 is 6,150 psi. Test surface lines & frac pumps to 6,500 psi.

Make sure frac company installs a pressure transducer and a manual gauge on the annulus line so that the annulus pressure is monitored and recorded during the fracs.

**RKI 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. SI flowline. Pressure test tubing to 400 psi using PU to pressure up tubing: Open flowline. Set clean frac tank and lay metal flowline.
- 2) MI RU Service Unit. Deliver 5 jts. new 2 7/8" 6.5# N-80 tubing. Deliver and set flowback frac tank. HU flowline. Set twenty four frac tanks and fill each with 480 BFW.
- 3) HO PU. Unseat pump. MI RU Hot oiler. Hot oil tubing with 40 BO. RD MO Hot Oiler.
- 4) ROH w/ pump. Load pump with diesel when get to surface.
- 5) ND WH and NU 5M# Hydraulic BOP.
- 6) Release TA. TIH w/ 5 jts tubing and tag PBTD. LD 5 jts. new tubing.
- 7) MI RU Tuboscope. TOH and inspect tubing. RD MO Tuboscope. LD bad joints and replace w/ new 2 7/8" 6.5# N-80 tubing as required.
- 8) MI RU wireline and RU 5K# lubricator. Test lubricator 250 psi low and 4,000 psi high. RIH w/ JB/GR to 6,750'. RIH w/ wireline set 10K# Composite BP and set @ 6,675'.
- 9) MI RU HP Pump Truck. Load casing with 2% KCL water and test casing & plug to 3,500 psi for 10 minutes. RD MO HP Pump Truck.
- 10) RIH with 3 1/8" HSC gun loaded with 22.7 gram Titan EXP 3323-301T charges, 0.40 EHD, 35.60" pen and 60° phasing and perforate Avalon sand as listed below. (NOTE: Perforations correlated to Halliburton DS Neutron/ Spectral Density dated 9/13/10) POOH, ensure all shots fired.

**Avalon sand (6,470'-6,482') Perforations**

<u>Set</u>	<u>Upper</u>	<u>Lower</u>	<u>Feet</u>	<u>SPF</u>	<u>Shots</u>	<u>Phasing</u>
1	6,468'	6,482'	14	3	42	60°
TOTAL			14		42	60°

- 11) MI RU Frac company. Install 10K# WHIT. Pressure test lines/pumps to 6,500 psi. Fracture stimulate Avalon sand with 2,000 gals 15% NE FE acid + 60 ct. B.S. (1.3 SG) + 47,350 gals. 30# linear gel/x-link gel + 50,000# 16/30 Ottawa sand + 15,000# RC 16/30 Ottawa sand @ 45-55 BPM @ 2,800 psi (6,150 psi maximum STP) in the following stages:

**Avalon sand Fracture Treatment Schedule**

<u>Stage</u>	<u>Fluid Type</u>	<u>Stage Vol (gal)</u>	<u>Cum Vol (gal)</u>	<u>Prop. Conc. (ppg)</u>	<u>Proppant/Fluid Type</u>	<u>Stage (lbs)</u>	<u>Cum Prop. (lbs)</u>	<u>Rate (BPM)</u>
1	Linear (30#)	3,000	3,000		Load/Bkdn Well			10-15
2	Acid	2,000	5,000		15% HCL Acid/60 BS			10-15
3*	Linear (30#)	6,000	10,000		Acid Flush			10-15
4	X-Link (30#)	10,000	20,000		Pad			45-55
5	X-Link (30#)	5,000	25,000	1.0	16/30	5,000	5,000	45-55
6	X-Link (30#)	5,000	30,000	2.0	16/30	10,000	15,000	45-55
7	X-Link (30#)	5,000	35,000	3.0	16/30	15,000	30,000	45-55
8	X-Link (30#)	5,000	40,000	4.0	16/30	20,000	50,000	45-55
9	X-Link (30#)	3,000	43,000	5.0	16/30 RC	15,000	65,000	45-55
10	Linear (30#)	6,350	49,350		Flush			45-55

**\*(NOTE: SD, Surge (5 seconds) ball sealers after pump Stage 3, Wait 15 minutes, start Stage 4. If necessary RIH w/ JB/GR and knock balls off perforations)**

SD, Record ISIP, 5 min SIP, 10 SIP, 15 min SIP.

- 12) RU 5K# lubricator. Test lubricator 250 psi low and 4,000 psi high. RIH w/ JB/GR to 6,425'. RIH w/ wireline set 10K# Composite frac plug w/ built in ball and set @ 6,400'.
- 13) Load casing with 2% KCL water and test casing & plug to 3,500 psi for 10 minutes.
- 14) RIH with 3 1/8" HSC gun loaded with 22.7 gram Titan EXP 3323-301T charges, 0.40 EHD, 35.60" pen and 60° phasing and perforate Pinnacle A1 (Lentini) sand as listed below. (NOTE: Perforations correlated to Halliburton DS Neutron/ Spectral Density dated 9/13/10). POOH, ensure all shots fired.

**Pinnacle A1 (Lentini) sand (6,266'-6,320' OA) Perforations**

Set	Upper	Lower	Feet	SPF	Shots	Phasing
1	6,313'	6,320'	7	1	7	60°
2	6,297'	6,310'	13	2	26	
3	6,266'	6,291'	25	1	25	60°
TOTAL			45		58	60°

- 15) Pressure test lines/pumps to 6,500 psi. Fracture stimulate Pinnacle A1 (Lentini) sand with 4,000 gals 15% NE FE acid + 85 ct. B.S. (1.3 SG) + 112,150 gals. 30# linear gel/x-link gel + 160,000# 16/30 Ottawa sand + 20,000# RC 16/30 Ottawa sand @ 70-80 BPM @ 3,200 psi (6,150 psi maximum STP) in the following stages:

**Pinnacle A1 (Lentini) sand Fracture Treatment Schedule**

Stage	Fluid Type	Stage Vol (gal)	Cum Vol (gal)	Prop. Conc. (ppg)	Proppant/Fluid Type	Stage (lbs)	Cum Prop. (lbs)	Rate (BPM)
1	Linear (30#)	3,000	3,000		Load/Bkdn Well			10-15
2	Acid	4,000	7,000		15% HCL Acid/85 BS			10-15
3*	Linear (30#)	6,500	13,500		Acid Flush			10-15
4	Linear (30#)	6,500	20,000		Pad			70-80
5	X-Link (30#)	22,000	42,000		Pad			70-80
6	X-Link (30#)	16,000	58,000	1.0	16/30	16,000	16,000	70-80
7	X-Link (30#)	16,000	74,000	2.0	16/30	32,000	48,000	70-80
8	X-Link (30#)	16,000	90,000	3.0	16/30	48,000	96,000	70-80
9	X-Link (30#)	16,000	106,000	4.0	16/30	64,000	160,000	70-80
10	X-Link (30#)	4,000	110,000	5.0	16/30 RC	20,000	180,000	70-80
11	Linear (30#)	6,150	116,150		Flush			70-80

**\*(NOTE: SD, Surge (5 seconds) ball sealers after pump Stage 3, Wait 15 minutes, start Stage 4. If necessary RIH w/ JB/GR and knock balls off perforations)**

SD, Record ISIP, 5 min SIP, 10 SIP, 15 min SIP.

- 16) RU 5K# lubricator. Test lubricator 250 psi low and 4,000 psi high. RIH w/ JB/GR to 6,240'. RIH w/ wireline set 10K# Composite frac plug w/ built in ball and set @ 6,225'.
- 17) Load casing with 2% KCL water and test casing & plug to 3,500 psi for 10 minutes.
- 18) RIH with 3 1/8" HSC gun loaded with 22.7 gram Titan EXP 3323-301T charges, 0.40 EHD, 35.60" pen and 60° phasing and perforate Pinnacle A2 and B sands as listed below. (NOTE: Perforations correlated to Halliburton DS Neutron/ Spectral Density dated 9/13/10). POOH, ensure all shots fired.

**Pinnacle A2 and B sands (6,092'-6,190' OA) Perforations**

Set	Upper	Lower	Feet	SPF	Shots	Phasing
1	6,187'	6,190'	3	2	6	60°
2	6,172'	6,180'	8	1	8	60°
3	6,147'	6,158'	11	2	22	60°
4	6,109'	6,129'	20	1	20	60°
5	6,092'	6,102'	10	2	20	60°
TOTAL			52		76	60°

- 19) Pressure test lines/pumps to 6,500 psi. Fracture stimulate Pinnacle A2 and B sands with 5,000 gals 15% NE FE acid + 115 ct. B.S. (1.3 SG) + 137,000 gals. 30# linear gel/x-link gel + 200,000# 16/30 Ottawa sand + 25,000# RC 16/30 Ottawa sand @ 75-80 BPM @ 3,200 psi (6,150 psi maximum STP) in the following stages:

**Pinnacle A2 B sands Fracture Treatment Schedule**

Stage	Fluid Type	Stage Vol (gal)	Cum Vol (gal)	Prop. Conc. (ppg)	Proppant/Fluid Type	Stage (lbs)	Cum Prop. (lbs)	Rate (BPM)
1	Linear (30#)	3,000	3,000		Load/Bkdn Well			10-15
2	Acid	5,000	8,000		15% HCL Acid/115 BS			10-15
3*	Linear (30#)	6,500	14,500		Acid Flush			10-15
4	Linear (30#)	6,500	21,000		Pad			75-80
5	X-Link (30#)	30,000	51,000		Pad			75-80
6	X-Link (30#)	20,000	71,000	1.0	16/30	20,000	20,000	75-80
7	X-Link (30#)	20,000	91,000	2.0	16/30	40,000	60,000	75-80
8	X-Link (30#)	20,000	111,000	3.0	16/30	60,000	120,000	75-80
9	X-Link (30#)	20,000	131,000	4.0	16/30	80,000	200,000	75-80
10	X-Link (30#)	5,000	136,000	5.0	16/30 RC	25,000	225,000	75-80
11	Linear (30#)	6,000	142,000		Flush			75-80

**\*(NOTE: SD, Surge (5 seconds) ball sealers after pump Stage 3, Wait 15 minutes, start Stage 4. If necessary, RIH w/ JB/GR and knock balls off perforations.)**

- 20) SD, Record ISIP, 5 min SIP, 10 SIP, 15 min SIP.
- 21) RU 5K# lubricator. Test lubricator 250 psi low and 4,000 psi high. RIH w/ JB/GR to 6,075'. RIH w/ wireline set 10K# Composite frac plug w/ built in ball and set @ 6,065'.
- 22) Load casing with 2% KCL water and test casing & plug to 3,500 psi for 10 minutes.
- 23) RIH with 3 1/8" HSC gun loaded with 22.7 gram Titan EXP 3323-301T charges, 0.40 EHD, 35.60" pen and 60° phasing and perforate Pinnacle C sand as listed below. (NOTE: Perforations correlated to Halliburton DS Neutron/ Spectral Density dated 9/13/10). POOH, ensure all shots fired. RD MO wireline.

**Pinnacle C sand (5,972'-6,052' OA) Perforations**

Set	Upper	Lower	Feet	SPF	Shots	Phasing
1	6,042'	6,052'	10	1	10	60°
2	6,024'	6,038'	14	1	14	60°
3	6,012'	6,017'	5	1	5	60°
4	5,994'	6,008'	14	2	28	60°
5	5,984'	5,991'	7	1	7	60°
6	5,972'	5,981'	9	1	9	60°

TOTAL			59		73	60°
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- 24) Pressure test lines/pumps to 6,500 psi. Fracture stimulate Pinnacle C sand with 3,000 gals 15% NE FE acid + 110 ct. B.S. (1.3 SG) + 134,850 gals: 30# linear gel/x-link gel + 200,000# 16/30 Ottawa sand + 20,000# RC 16/30 Ottawa sand @ 75-80 BPM @ 3,200 psi (**6,150 psi maximum STP**) in the following stages:

**Pinnacle C sand Fracture Treatment Schedule**

Stage	Fluid Type	Stage Vol (gal)	Cum Vol (gal)	Prop. Conc. (ppg)	Proppant/Fluid Type	Stage (lbs)	Cum Prop. (lbs)	Rate (BPM)
1	Linear (30#)	3,000	3,000		Load/Bkdn Well			10-15
2	Acid	5,000	8,000		15% HCL Acid/110 BS			10-15
3*	Linear (30#)	6,000	14,000		Acid Flush			10-15
4	Linear (30#)	6,000	20,000		Pad			75-80
5	X-Link (30#)	36,000	56,000		Pad			75-80
6	X-Link (30#)	24,000	80,000	1.0	16/30	24,000	24,000	75-80
7	X-Link (30#)	24,000	104,000	2.0	16/30	48,000	72,000	75-80
8	X-Link (30#)	24,000	128,000	3.0	16/30	72,000	144,000	75-80
9	X-Link (30#)	24,000	152,000	4.0	16/30	96,000	240,000	75-80
10	X-Link (30#)	4,000	156,000	5.0	16/30 RC	20,000	260,000	75-80
11	Linear (30#)	5,850	161,850		Flush			75-80

**\*(NOTE: SD, Surge (5 seconds) ball sealers after pump Stage 3. Wait 15 minutes, start Stage 4. If necessary, RIH w/ JB/GR and knock balls off perforations.)**

- 25) SD, Record ISIP, 5 min SIP, 10 SIP, 15 min SIP. RD MO wireline unit. RD WHIT. RD MO frac company. SI well overnight.
- 26) Install flow valve/choke w/ carbide seat/stem. Open well, flow back and test.
- 27) **IF NECESSARY**, MI RU pump truck. Pump 120 bbls. 10.2 ppg brine water down caing to kill well. Feed in brine water as necessary to keep well dead.
- 28) MI RU pump, tank, and swivel.
- 29) TIH w/ 4 3/4" bit, 4 DC, XO, tubing. Clean out sand and DO Comp frac plugs and comp BP and push to PBTD. Circulate hole clean.
- 30) TOH, LD BHA. RD MO pump, tank, swivel.
- 31) Feed in brine water as necessary to keep well dead. TIH w/ purge valve, 2 jts tubing, D-2705-G Cavins combination GA/desander, SSN, 16 jts tubing, TAC, 175 jts. 2 7/8" 6.5# L-80 EUE. EOMA @ 5,983'+/-, SN @ 5,921'+/-, TAC @ 5,425'+/-.
- 32) ND BOP. Set TAC w/ 10K# tension @ 5,425'. NU B-1 flange. RD MO pump truck. Install pumping tee.
- 33) Load downhole pump with diesel. RIH w/ 2 1/2" x 1 1/2" x 20' RHBC pump, on/off tool, 1' 7/8" lift sub, 160 ct. 3/4" Norris 97 rods, 80 ct. 7/8" Norris 97 rods, 26' x 16' polished rod/liner. Space and seat pump. Load tubing and pressure pump to 400 psi. HO PU set @ 168" stroke @ 6.2 spm.
- 34) RD MO Service Unit. Start PU.

**RKI Contact List:**

<b>RKI</b>	<b>Title</b>	<b>Office</b>	<b>Cell</b>
Ed Glass	Completions Manager	405-996-5786	405-757-5448
Brent Umberham	Manager-Drlg & Prod Ops	405-996-5748	405-623-5080
Gene Thompson	Field Superintendent	575-885-1313	817-908-9219
Tim Winters	Completion Consultant	575-885-1313	432-448-4409
Clyde Thompson	Completion Consultant	575-885-1313	580-729-5370
Ken Fairchild	Production Manager	405-996-5764	469-693-6051
Danny Emerson	Senior Foreman	575-885-1313	505-614-4867
Jaime McAlpine	Engineering Consultant	405-996-5741	405-850-6685

**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

# RKI Exploration and Production, LLC

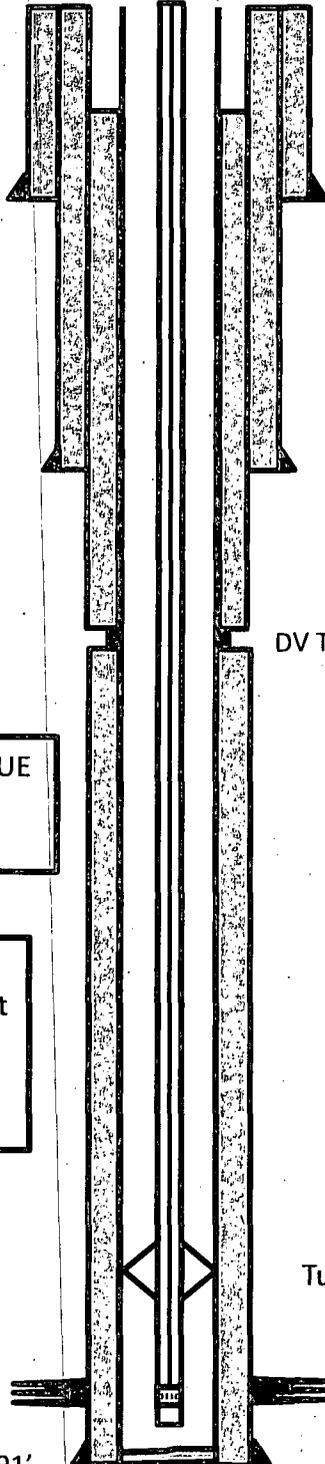
Longview 1-44  
Section 1 T23S R28E  
Eddy County, New Mexico  
API No. 30-015-38070

KB - 3,059'  
GL - 3,042'

12/13/12; BAB

TOC @ 125' per CBL

**CURRENT**



13 3/8" 54.5# J-55 STC @ 299'

9 5/8" 40# J-55 STC @ 2,715'

DV Tool @ 4,968' per CBL

**Tubing Top to Botm: 235 JTS L/N-80 EUE Tbg, TAC, 6 JTS Tbg, SN, MA. TAC @ 7,308' SN @ 7,496' EOMA @ 7,531'**

**Rod String PU w 1-1/2" x 6 GA, 2-1/2" X 1-1/2" x 20' RHBC pump, 7/8" x 1' lift sub, 26 ct. 7/8" N97 steel rods, 174 ct. 3/4" N97 steel rods, 98 ct. 7/8" N97 steel rods, 1 1/2" x 1 1/4" PR/liner**

Tubing anchor @ 7,308'

1<sup>st</sup> Bone Spring 7,424'-7,452'

PBTD 7,691'  
TD 7,737'

5 1/2" 17# N-80 8rd LTC @ 7,737'

# RKI Exploration and Production, LLC

Longview 1-44  
Section 1 T23S R28E  
Eddy County, New Mexico  
API No. 30-015-38070

KB - 3,059'  
GL - 3,042'

12/13/12; JLM

TOC @ 125' per CBL

**PROPOSED**

13 3/8" 54.5# J-55 STC @ 299'

9 5/8" 40# J-55 STC @ 2,715'

DV Tool @ 4,968' per CBL

Tubing anchor @ 5,425'

Pinnacle C 5,972' - 6,052' OA

Pinnacle B 6,092' - 6,158' OA

Pinnacle A1 (Lentini) 6,266' - 6,320'

Avalon 6,468' - 6,482'

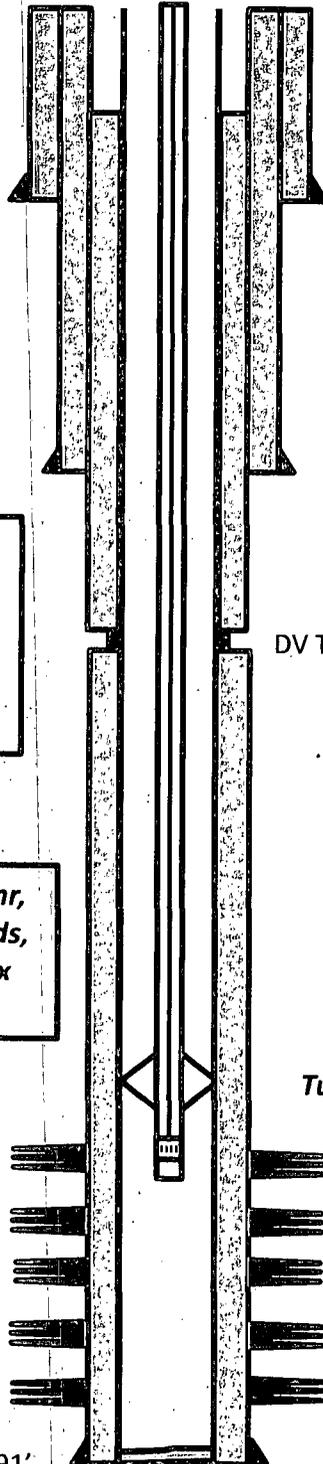
1<sup>st</sup> Bone Spring 7,424' - 7,452'

PBTD 7,691'  
TD 7,737'

5 1/2" 17# N-80 8rd LTC @ 7,737'

**Tubing top to btm: 175 jts 2 7/8" 6.5# N-80 EUE tbg, TAC @ 5,425', 16 jts. tbg, SN @ 5,921', D-2705-G Cavins combination GA/desander, 2 jts tbg, purge valve. EOMA @ 5,983'.**

**Rod string top to btm: 1 1/2" 26' PR/16' Inr, 80 ct. 7/8" N97 rods, 160 ct. 3/4" N97 rods, 1'- 7/8" lift sub, on/off tool, 2 1/2" x 1 3/4" x 20' RHBC pump.**



**Longview Federal 1.44  
30-015-38070  
RKI Exploration & Production  
January 23, 2013  
Conditions of Approval**

- 1. Casing shall be tested to 3,500 psi and held for 30 minutes in accordance with Onshore Order #2 III B. 1. h. and submitted to the BLM.**
- 2. Surface disturbance beyond the existing pad must have prior approval.**
- 3. Closed loop system required.**
- 4. Operator to have H2S monitoring on location as H2S is always a potential hazard.**
- 5. A minimum of a 5M BOP is required and must be tested prior to beginning work.**
- 6. Subsequent sundry and completion report required. Completion report shall show production from each formation independently.**

**JAM 012313**