

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 |

RECEIVED
JAN 30 2013
NMOCD ARTESIA

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"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other Drilling Operations |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

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 recompleat 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 recompleat 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 recompleat plan, RKI Exploration & Production, LLC needs to recompleat 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 AFMSS 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 | |

APPROVED
JAN 23 2013
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

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: 1st 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

| <u>Set</u> | <u>Upper</u> | <u>Lower</u> | <u>Feet</u> | <u>SPF</u> | <u>Shots</u> | <u>Phasing</u> |
|------------|--------------|--------------|-------------|------------|--------------|----------------|
| 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

| <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 | 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° |

- 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/ 4¾" 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/ 2½" x 1½" x 20' RHBC pump, on/off tool, 1' 7/8" lift sub, 160 ct. ¾" 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:

| RKI | Title | Office | Cell |
|----------------|-------------------------|---------------|--------------|
| 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'**

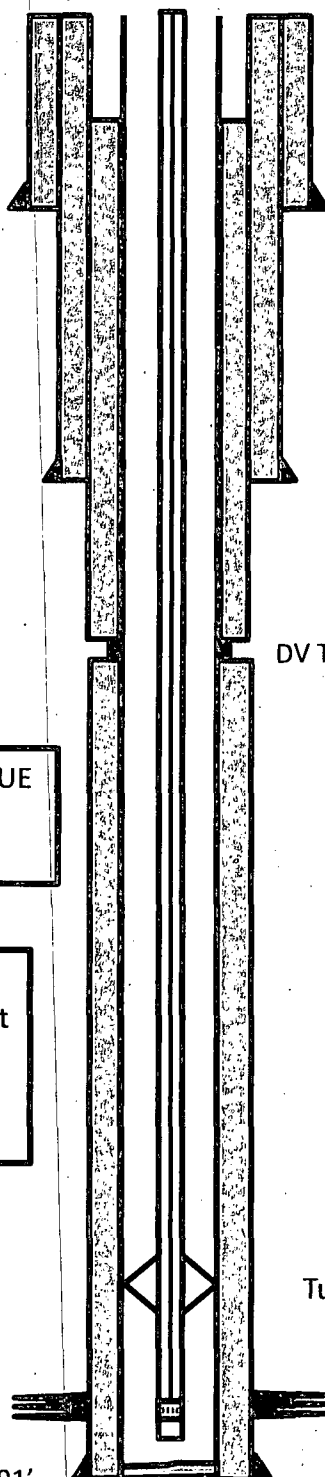
**Rod String PU w 1-1/2" x 6 GA, 2-1/2"
X 1-1/2" x 20' RHBC pump, 7/8" x 1' lift
sub, 26 ct. 7/8" N97 steel rods, 174 ct.
3/4" N97 steel rods, 98 ct. 7/8" N97
steel rods, 1 1/2" x 1 1/4" PR/liner**

Tubing anchor @ 7,308'

1st 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 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' lnr, 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.

Tubing anchor @ 5,425'

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

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

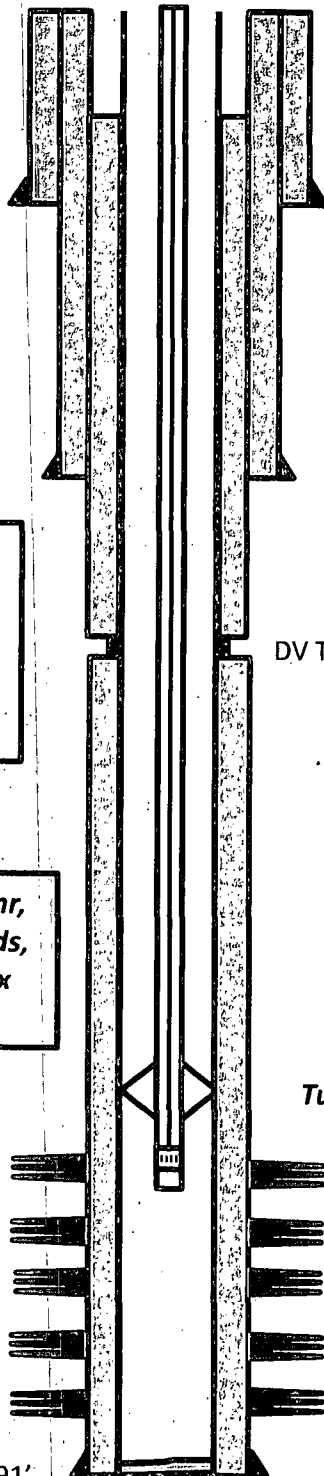
Pinnacle A1 (Lentini) 6,266'-6,320'

Avalon 6,468' - 6,482'

1st Bone Spring 7,424'-7,452'

PBTD 7,691'
TD 7,737'

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



**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