

RECEIVED

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submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Sundry Notices and Reports on Wells

Farmington Field Office  
Bureau of Land Management

<p>1. <b>Type of Well</b> Gas <input checked="" type="checkbox"/></p> <hr/> <p>2. <b>Name of Operator</b> Schalk Development Company</p> <hr/> <p>3. <b>Address &amp; Phone No. of Operator</b>  P.O. Box 25825, Albuquerque, NM 87125</p> <hr/> <p><b>Location of Well, Footage, Sec., T, R, M</b>  935' FNL &amp; 985' FEL, Section 12, T-30-N, R-5-W,</p>	<p>5. <b>Lease Number</b> USA NM 4457</p> <p>6. <b>If Indian, All. or Tribe Name</b></p> <p>7. <b>Unit Agreement Name</b></p> <p>8. <b>Well Name &amp; Number</b> Schalk 57 #2</p> <p>9. <b>API Well No.</b> 30-039-21024</p> <p>10. <b>Field and Pool</b> Blanco MV</p> <p>11. <b>County &amp; State</b> Rio Arriba County, NM</p>
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12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action	
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other - Production test	

RCVD JUN 4 '13  
OIL CONS. DIV.  
DIST. 3

13. Describe Proposed or Completed Operations

The above referenced well was P&A'd on April 23, 2013 per the attached Plug and Abandonment Report.

14. I hereby certify that the foregoing is true and correct.

Signed Jack Evans Title Production Superintendent Date May 23, 2013  
Jack Evans

(This space for Federal or State Office use)  
APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly 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.

ACCEPTED FOR RECORD

MAY 30 2013

NMCCD  
Ar

FARMINGTON FIELD OFFICE  
BY SM

## A-PLUS WELL SERVICE, INC.

P.O. BOX 1979  
Farmington, New Mexico 87499  
505-325-2627 \*fax: 505-325-1211

Schalk Development  
**Schalk 57 #2**

April 23, 2013  
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935' FNL and 985' FEL, Section 12, T-30-N, R-5-W  
Rio Arriba County, NM  
Lease Number: USA NM 4457  
API #30-039-21024

**Plug and Abandonment Report**  
Notified NMOCD and BLM on 4/13/13

### **Plug and Abandonment Summary:**

- Plug #1** with CIBP at 5610' with 16 sxs (18.88 cf) Class B cement inside casing from 5614' to 5404' to cover the Mesaverde top. Tag TOC at 5444'.
- Plug #2** with 59 sxs (69.62 cf) Class B cement from 4524' to 4266' leaving 16 sxs above the CR, 4 sxs below the CR and 39 sxs outside to cover the Chacra top. Tag TOC at 4179'.
- Plug #3** with 69 sxs (81.42 cf) Class B cement inside casing from 3537' to 2628' to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. Tag TOC low at 2789'.
- Plug #3a** with 16 sxs (18.88 cf) Class B cement with 2% CaCl inside casing from 2789' to 2579' to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. Tag TOC at 2630'.
- Plug #4** with 20 sxs (23.6 cf) Class B cement inside casing from 1591' to 1328' to cover the Nacimiento top.
- Plug #5** with 37 sxs (43.66 cf) Class B cement inside casing from 357' to surface to cover the surface casing shoe.
- Plug #5a** with 37 sxs (43.66 cf) Class B cement inside casing from 357' to surface to cover the surface casing shoe. Cement fell back.
- Plug #6** with 33 sxs Class B cement top off casings and install P&A marker.

### **Plugging Work Details:**

- 4/4/13 Rode rig and equipment to location. Spot in and RU. Check well pressures: casing 100 PSI, Tubing 369 PSI and bradenhead 5 PSI. Monitored H2S, 307 ppm. RU relief lines and blow well down. While blowing well down, H2S on tubing dropped to 0ppm. SI well. SDFD.
- 4/5/13 Check well pressures: casing 115 PSI, tubing 320 PSI and bradenhead 0 PSI. No H2S monitored. ND the wellhead. NU BOP and function test. Lock down pins stuck. TOH and tally 80 stands, packer, 9 stands and LD 2 joints, SIN and 1 joint (182 joints total 5692'). TIH with 4.5" string mill. Hit tight spot at 3211'. Worked down to 3259', unable to work past through. TOH LD 102 joints. TIH with 38 stands and TOH and LD 76 joints. SI well. SDFD.
- 4/8/13 Check well pressures: casing 100 PSI (H2S 2 ppm), bradenhead 0 PSI. Wait on tubing and power swivel. Drop 1 guy wire. Tally and PU 101 joints of 2-3/8" High Tech work string and tag tight spot at 3249'. PU and RU power swivel. SI well. SDFD.

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Schalk Development  
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### Plugging Work Details (continued):

- 4/9/13 Standby – due to muddy roads.
- 4/10/13 Standby – due to muddy roads.
- 4/11/13 Check well pressures: tubing 5 PSI, casing 100 PSI and bradenhead 0 PSI. Blow well down. Tag tight spot at 3249'. Drill out from 3249' to 3504' with tight spots throughout. Hang back power swivel. TIH and tally 66 joints, string mill to 5643'. TOH to 3179'. SI well. SDFD.
- 4/12/13 Check well pressures: casing 110 PSI, tubing on vacuum and bradenhead 0 PSI. Blow down to casing. TIH to 3569' and make sure tight spot is clean. TIH with 4.5" wireline set CIBP and set at 5610'. TIH with tubing to 5614'. Break circulation with 22 bbls showing 371 ppm H2S. Pump 90 bbls, returns still black. H2S dispating. Pump 105 bbls to clean returns. Attempt to pressure test casing, no test leak 2 bpm at 500 PSI, pressure dropped as soon as pump kicked out. TOH SI well. SDFD.
- 4/15/13 Check well pressures: casing 100 PSI H2S 8 ppm dropped to 0 after blowing down, bradenhead 0 PSI. Ran CBL from 5612' to surface, found cement from 5612' to 5320' and from 3505' to 390' with a spike at 292'. TIH to 5614'. Wait on orders. Note: J. Ruybalid, BLM and B. Powell, NMOCD approved procedure change. Spot plug #1 with estimated TOC at 5404'. TOH to 3439'. SI well. SDFD.
- 4/16/13 Check well pressures: tubing on vacuum, casing 105 PSI and bradenhead 0 PSI. TIH and tag TOC at 5444'. TOH. Attempt to load hole with 28 bbls of water, fluid falling back, unable to attempt a casing test. Perforate 3 HSC squeeze holes at 4524'. TIH with 4.5" DHS CR and set at 4476'. Pressure test tubing to 1250 PSI, OK. Attempt to pressure test casing, no test, leak 2 bpm at 400 PSI. Sting into CR and establish rate of 2 bpm at 700 PSI. Spot plug #2 with estimated TOC at 4266'. Note: J. Ruybalid, BLM and B. Powell, NMOCD approved plug. SI well. SDFD.
- 4/17/13 Check well pressures: no tubing, casing 110 PSI, leak and bradenhead 0 PSI 18 ppm on casing, dispatated while blowing well down. TIH and tag TOC at 4179'. TOH to 3537'. Attempt to pressure test casing, no test. Establish rate of 2 bpm at 400 PSI. Spot plug #3 with estimated TOC at 2628'. WOC. SI well. SDFD.
- 4/18/13 Check well pressures: casing 90 PSI, tubing on vacuum and bradenhead 0 PSI. Blow well down. TIH and tag TOC at 2789'. Establish circulation. Attempt to pressure test casing. Establish rate of 2 bpm at 400 PSI. Spot plug #3a with estimated TOC at 2579'. WOC. Tag TOC at 2630'. Establish rate of 2 bpm at 450 PSI. Spot plug #4 with estimated TOC at 1328'. WOC. TIH and tag TOC at 1396'. SI well. SDFD.

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### Plugging Work Details (continued):

- 4/19/13 Check well pressures: casing 60 PSI and bradenhead 0 PSI. Attempt to pressure test, no test. Pressure test at 800 PSI bled down to 500 PSI in 1 minute. Perforate 3 HSC holes squeeze holes at 285'. Attempt to establish circulation out bradenhead pressured up to 800 PSI then bled down to 500 PSI. Pressure test bradenhead to 350 PSI bled down to 250 PSI in 1 minute. Note: B. Powell, NMOCD and J. Ruybalid, BLM approved procedure change. Spot plug #5 with estimated TOC at surface. TOH and LD all tubing. SI well. SDFD.
- 4/22/13 Check well pressures: casing 85 PSI, bradenhead 0 PSI. TIH and no tag. Attempt pressure test casing to 800 PSI bled down to 500 PSI. Spot plug #5a with estimated TOC at surface. TOH and LD all tubing. SI well. SDFD.
- 4/23/13 Open up well; no pressures. ND BOP. Dig out wellhead. Write and perform Hot Work Permit. Cut off wellhead. Found cement down 44' in 4.5" casing and down 33' in 8-5/8" x 4.5" casing. Spot plug #6 and install P&A marker. RD and MOL.

Bill Diers, BLM representative, was on location.  
Jose Ruybalid, BLM representative, was on location.  
McGuires H2S monitoring on location.