

submitted in lieu of Form 3160-5

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

1. Type of Well  
Gas

2. Name of Operator  
Mountain States Petroleum Corporation

3. Address & Phone No. of Operator  
PO Box 51166, Amarillo, TX 79159-1166 (806) 355-5679

Location of Well, Footage, Sec., T, R, M  
Unit O, 660 FSL & 2150' FEL, Section <sup>32</sup>~~20~~, T-27-N, R-19-W;

5. Lease Number  
NOO-C-14-20-4158  
6. If Indian, All. or  
Tribe Name  
Navajo  
7. Unit Agreement Name  
8. Well Name & Number  
Navajo No. 32-1  
9. API Well No.  
30-045-25283 22272  
10. Field and Pool  
Big Gap Organ Rock  
11. County & State  
San Juan County, NM

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 type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

Mountain States Petroleum Corporation plugged and abandoned this well on March 30, 2005 per the attached report.

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

Signed William F. Clark Title Plugging Contractor Date 4/31/05  
William F. Clark

(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 the jurisdiction of such department or agency.

MAY 23 2005

NMOCDD

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

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Mountain States Petroleum Corp.  
**Navajo No. 32-1**

March 31, 2005  
Page 1 of 2

660' FSL & 2150' FEL, Section 32, T-27-N, R-19-W  
San Juan County, NM  
Lease Number: NOO-C-14-20-4158  
API #30-045-22272

## Plug & Abandonment Report

### Work Summary:

Notified BLM on 3-22-05

3/22/05 MOL & RU rig. ND wellhead. NU BOP, test.

3/23/05 Well pressure: 20# on BH. PU workstring and round trip 4.5" casing scraper to 3643'. TIH and set DHS CR at 3611'. Pressure test tubing to 2000#, held OK. Circulate well with 20 bbls of water.

**Plug #1** with CR at 3611', spot 11 sxs Type III cement (15 cf) inside casing above CR up to 3450' to isolate the Organ Rock perforations and cover the top.

PUH and WOC. RIH and tag cement at 3507'. TOH with tubing. Perforate 3 holes at 3059'. TIH and set DHS CR at 2989'. Shut in well.

3/24/05 Attempt to pressure test casing above CR, leak 2 bpm at 200#. Bradenhead flowing water. Called BLM, procedure change to double the cement. Shut in casing when pumping this plug.

**Plug #2** with CR at 2989', mix and pump 90 sxs Type III cement (60 cf), squeeze 75 sxs under the CR and leave 15 sxs above to 2768' to cover the DeChelly top.

TOH with tubing and WOC. RIH with wireline and tag cement at 2424'. Shut in well and WOC overnight.

3/25/05 Bradenhead still flowing water. Called BLM and decided to set additional plug to seal annulus. Perforate 3 holes at 2420'. Establish rate into squeeze holes 2 bpm at 100#. RIH set wireline CR at 2366'. TIH and sting into CR. Establish rate under CR into squeeze holes 2 bpm at 500#.

**Plug #3** with CR at 2366', mix and pump 46 sxs Type III cement (61 cf): 1<sup>st</sup> squeeze 10 sxs below CR; 2<sup>nd</sup> tubing pressure increased to 2000#, sting out of CR; 3<sup>rd</sup> spot 36 sxs inside casing above CR; 4<sup>th</sup> PUH to 2145' and reverse circulate casing clean with 40 bbls of water; 5<sup>th</sup> TOH with tubing and shut in well; 6<sup>th</sup> pump 7 bbls of water at 0# down the casing and then pump 6 bbls of water at 200#, calculated cement displaced to 2145'.

Shut in well and WOC. RIH with wireline and tag cement at 2127'. Attempt to pressure test casing, leak 2 bpm at 100#. Perforate 3 holes at 2123'. TIH and set DHS CR at 2055'. Attempt to establish rate into squeeze holes pressured up to 2000#. Procedure change approved by BLM.

**Plug #4** with CR at 2055', spot 34 sxs Type III cement (45 cf) inside the casing above the CR up to 1550' to cover the Chinle top. PUH to 1545'. Reverse circulate well clean. TOH with tubing. Shut in well.

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March 31, 2005  
Page 2 of 2

### Work Summary - Continued:

- 3/28/05 Well pressures: 0# on casing, 50# on BH (still flowing 1" stream of water.) RIH with wireline and tag cement at 1650'. Attempt to pressure test casing, leak 2 bpm at 100#. TOH with tubing and LD tagging sub.  
Perforate 3 holes at 1540'.  
RIH with set wireline CR at 1495'.  
Establish rate into squeeze holes 2 bpm at 100#.  
**Plug #5** with CR at 1495', mix and pump 100 sxs Type III cement (132 cf), squeeze 70 sxs under the CR and outside the casing from 1540' to 1440' to cover the 8-5/8" surface casing shoe and leave 30 sxs above the CR up to 1053'.  
TOH with tubing.  
RIH with tubing and tag cement at 1204'. Attempt to pressure test casing, leak 2 bpm at 100#. TOH with tubing.  
Perforate 3 holes at 1060'.  
TIH and set DHS CR at 1027'.  
Pressure test casing above CR to 500#, held OK.  
Attempt to establish rate into squeeze holes, pressured to 2000#.  
**Plug #6** with CR at 1027', spot 11 sxs Type III cement (15 cf) inside the casing above the CR up to 860'.  
TOH with tubing. Shut in well and WOC.
- 3/30/05 Open well – bradenhead no flow. RIH with tubing and tag cement at 810'. TOH and LD tubing.  
Perforate 3 holes at 300'.  
Establish circulation out the bradenhead with 20 bbls water.  
**Plug #7** with 131 sxs Type III cement (173 cf) pumped down the casing from 300' to surface, circulate good cement out the bradenhead.  
ND BOP. Dig out and cut off wellhead.  
Mix 14 sxs Type III cement to fill casing and annulus, and then set P&A marker.  
RD & MOL.  
Davis Benally, Navajo Nation Minerals, was on location.