

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT - " for such proposals

RECEIVED  
BUREAU MAIL ROOM  
MAR 22 PM 1:18  
070

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Amoco Production Company

Attention:  
Patty Haefele

3. Address and Telephone No.  
P.O. Box 800, Denver, CO 80201 (303) 830-4988

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
890' FSL 1140' FWL Sec. 23 T 28N R 8W Unit M

5. Lease Designation and Serial No.  
NM-013860

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Russell LS 3

9. API Well No.  
3004507242

10. Field and Pool, or Exploratory Area  
Blanco Mesaverde/So. Blanco Pict. Cliff

11. County or Parish, State  
San Juan New Mexico

12. CHECK APPROPRIATE BOX(s) 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"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<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"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Downhole Commingle	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Amoco Production Company requests permission to downhole commingle the Mesaverde and Gallup formations and to add pay in the Cliffhouse.

RECEIVED  
MAR - 8 1996  
OIL CON. DIV.  
DIST. 3

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

Signed

Patty Haefele

Title

Staff Assistant

(This space for Federal or State office use)

APPROVED MAR 26 1996

Approved by

Title

Conditions of approval, if any:

MAR 04 1996  
Date

DISTRICT MANAGER

Title 18 U.S.C. Section 1001, makes 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.



## SJOET Well Work Procedure

**Wellname:** Russell LS 3  
**Version:** #1  
**Date:** Feb. 15, 1996  
**Budget:** Repair  
**Workover Type:** Pay Add

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### Objectives:

1. Remove/Mill out packer
  2. Recomplete the Cliffhouse.
  3. Establish gas rates and shut-in pressures on the CH.
  4. Place well on production and commingle PC and MV.
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### Pertinent Information:

Location:	890' FSL, 1140' FWL, M23-28N-8W	Horizon:	PC/MV dual
County:	San Juan	API #:	30-045-07242
State:	New Mexico	Engr:	Mark Rothenberg
Lease:	Federal # NM-013860	Phone:	W--(303)830-5612
Well Flac:	9785390		H--(303)696-7309
Lease Flac:	698779/698761		P--(303)553-6448

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### Economic Information:

APC WI:	100%	PC Prod. Before:	35 MCFD
Estimated Cost:	\$100,000	PC Anticipated Prod:	35 MCFD
Payout:	4.9 years	MV Prod. Before:	40 MCFD
PV15:	\$14.6M	MV Anticipated Prod:	140 MCFD
		TOTAL Anticipated Prod:	175 MCFD

NOTE: Repair will be done as this is a positive PV(15) job. This is best payadd opportunity from geological study.

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### Formation Tops: (Estimated formation tops)

Kirtland Shale:	1520
Fruitland:	2100
Pictured Cliffs:	2336
Lewis Shale:	2438
Cliffhouse:	3949
Menefee:	4095
Point Lookout:	4577
Mancos Shale:	4752

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### Bradenhead Test Information:

**Test Date:** 9/27/92   **Tubing:** 284-PC   **Casing:** 309   **BH:** 0

Time	BH	CSG	INT	CSG
5 min	0	309		
10 min	0	309		
15 min	0	309		
20 min	0	309		

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**Comments:** MV tubing pressure 288.

**Wellname: Russell LS 3**

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2/16/96

**Suggested Procedure:**

1. Check location for anchors. Install if necessary. Test anchors.
2. MIRUSU. Record SITPs and CP. Blow down well. Kill only if necessary with water.
3. NDWII. NUBOP.
4. Circulate hole above packer clean. TOII with short string.
5. TOII with long string, and seal assembly. If packer cannot be retrieved, mill out packer.
6. RIIH with tbg and RBP, set RBP at 4500'. Circulate hole clean, spot 10' of sand on RBP.
7. Run CBL/CCL/GR from RBP to top of liner at 2442' to determine condition of cement behind pipe. Relay CBL info to Mark Rothenberg in Denver (continuous fax # 303-830-4264) to verify if remedial cement squeezes will be needed prior to any frac treatment.
8. Correlate to Schlumberger Gamma Ray-Induction log (4/20/58) for depth control. Perf select fire 23 shots at:  

**4009, 4023, 4039, 4047, 4049, 4051, 4057, 4059, 4061, 4063, 4065  
4073, 4075, 4083, 4085, 4087, 4089, 4091, 4093, 4095, 4243, 4285, 4397**
9. Frac well down tubing according to attached frac procedure.  
NOTE: Set packer/frac string below TOL.
10. Flow well back as soon as possible to tank on a 1/4" choke for 8 hours, then increase choke to 1/2".
11. Once sand production has stopped, RIIH with tubing and packer and set packer at 3950' to establish and record gas, water, oil rates and producing and shut-in TP and Cps. Obtain water and as samples.  
NOTE: We would like an accurate flow test of the Cliffhouse and Menefee only. This is why we would like to flow up tubing and a packer.
12. RIIH with bit and scraper for 4.5" csg and c/o sand to RBP at 4500'. Retrieve RBP and TOOII.
13. TIIH with 2" production string, tag for fill and clean out if necessary, and land openended at original depth of 4715 (1/2 mule shoe on btm and a SN 1 JT off btm). RDMOSU
14. Place well on production.

*If problems are encountered, please contact:*

**MARK ROTHENBERG**

**(W) (303) 830-5612**

**(H) (303) 696-7309**

**(P) (303) 553-6448**

# Amoco Production Company

## ENGINEERING CHART

SUBJECT RUSSELL LS #3, Fed LS #NM-D13860-A

3004507242 28N-8W sec 23M 890 FSLX 1140 FWL

Sheet No \_\_\_\_\_ of \_\_\_\_\_

File \_\_\_\_\_

Appn \_\_\_\_\_

Date 2/15/46

By MDR

