Form 3160-5 (June 1990)

representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureeu No. 1004-0135
Expires: Merch 31, 1993

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BUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to diff or to deepen or resentry to a different reservoir. Use "APPLICATION FOR PERMIT" - for such proposals 1. Type of Well 2. How a Application of Deep Notice of Title Notice 2. How a Application of Deep Notice of Title Notice 2. How a Application of Deep Notice of Title				
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1. Type of Well				
1. Type of Wolf	• •		6. If Indian, Allottee or Tribe Name	
Out			7. If Unit or CA, Agreement Designation	
2. Among Production Company Patry Haefele 3. Address and Telephone No. P. O. Box 800, Denver, CO 80201 (30.3) 830-4988 10 Patry Haefele 3. Address and Telephone No. P. O. Box 800, Denver, CO 80201 (30.3) 830-4988 10 Patry Description of the state of Patry Market Patry of Patry No. Patry No. 800-801 (10.00 Patry No. 800-	CONTRACTOR			
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Notice of Intent Recompletion Recompletion Recompletion Norw Construction Norw Construction Norw Construction Norw Construction Norw Construction Norw Subsequent Report Color Report North Construction North Constru				
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.]* Armoco Production Company requests permission to perform a workover on this well per the attached procedure. DEC 1987 JUL 0 9 1996 OLU COM DIVIDED 3 14. I hereby certify that the foregoing is true and correct Signed Auty Harfele Title Staff Asis of Paderal or Stark-Effec use) Title JUL 0 8 1996 ONTE D01-1996	Subsequent Report	Recompletion Plugging Back Casing Repair Altering Casing Other Refrac (Note: Re	New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water port results of multiple completion on Well Completion or	
14. I hereby certify that the foregoing is true and correct Signed Patty Haefele (This space for Federal or State office use) Approved by Conditions of approval, if any:	Amoco Production Company requests pe	DECENTION 1996	RECEIVED 96 JUL -3 AH 9: 29 070 FARIMINGTON, NIN	
Approved by	signed Patty Haefele			
Conditions of approval, if any:		,	JUI 0 & 1996	
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or exercy of the United State DSTRICT MANAGER.		Title	100.00	
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SJOET Well Work Procedure

Wellname:

GCU #287

Version:

#1

Date:

May 29, 1996

Budget:

Repair

Workover Type:

Refrac

Objectives:

Perforate and fracture previously unstimulated upper PC

2. Clean out lower PC

3 Return well to production

Pertinent Information:

Location:

1000' FSL, 1720' FEL, O S.35 29-13

Horizon:

W.Kutz PC

County:

San Juan

API #:

30-045-23606

State: Lease: New Mexico SF-078926

Engr: Phone: Irina Mitselmakher W--(303)830-4371

Well Flac:

H--(303)369-9301

Economic Information:

APC WI:

PC Prod. Before Repair:

0 MCFD

Estimated Cost:

PC Anticipated Prod.:

200 MCFD

Payout:

Max Cost -12 Mo. P.O.

PV15:

Max Cost PV15:

Formation Tops: (Estimated formation tops)

Nacimento:

Menefee:

Ojo Alamo:

Point Lookout:

Kirtland Shale:

Mancos Shale:

Fruitland: Pictured Cliffs:

Gallup: Greenhorn:

Lewis Shale: Chacra:

Graneros: Dakota:

Cliffhouse:

Morrison:

Bradenhead Test Information:

BH

Test Date:

9/19/88 Tubing: CSG

Casing:

CSG

INT

BH: 0 psi.

Time 5 min

10 min

15 min

GCU #287 Sec. 35 T 29 R 13 Completed 11/79 PBTD=1783'

- 1. MIRUSU. Bleed pressure off well if necessary. NDWH. NU and test BOP's.
- 2. Tag bottom with tubing. TOH w/ 2 3/8" tubing, inspect tubing joints while pulling. Verify PBTD of 1783'.
- 3. Run GR/CCL from 1783' to 783'. Correlate with original gamma ray log.
- 4. RIH and set a RBP at 1616' to isolate bottom perfs.
- 5. PT casing to 2000 #. (Casing grade is BE-5L which is a line pipe grade. Get a wellhead ID from FMC to ensure that wellhead can withstand frac pressure.)
- 6. Perforate the upper PC zone with 2 jspf in the following interval (24 shots):

1594' - 1606'

- 7. Fracture the upper PC zone according to the attached procedure. Treating pressure is not to exceed 1978 psi which is the max working pressure for this grade of pipe.
- 8. Flow back immediately on a 1/4" choke for 4-8 hrs, change to 1/2" choke, flow back until pressure subsides.
- 9. Clean out to RBP. Retrieve BP.
- 10. Clean out to PBTD = 1783'.
- 11. RIH with and land seating nipple and 2 3/8" tbg at approx. 1610'.
- 12. ND BOP's. NU and test wellhead. RDMOSU.

If problems are encountered, please contact:

Irina Mitselmakher W: (303)830-4371 H: (303)369-9301