# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

Lease Designation and Serial No.

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NM 019414 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 7. If Unit or CA, Agreement Designation 1. Type of Well Oil Well X Gas Well 8. Well Name and No. Other 2. Name of Operator STANOLIND GAS COM \$1 Attention: AMOCO PRODUCTION COMPANY Dallas Kalahar 3. Address and Telephone No. 3004524149 (303) 830-5129 P.O. Box 800, Denver, Colorado 80201 10. Field and Pool, or Exploratory Area **BLANCO-MESAVERDE** 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State 1390 FSL x 890 FEL Sec. SAN JUAN **NEW MEXICO** CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF SUBMISSION TYPE OF ACTION Change of Plans Notice of Intent Recompletion **New Construction** Non-Routine Fracturing Final Abandonment Notice 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 dotals, 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 intends to perform the attached workover procedure. See attached workover procedure. In addition, Amoco requests approval to construct a temporary 15'x15'x5' blow pit for return fluids. This pit will be reclaimed if utilized, upon completion of this procedure. If any questions, please contact Dallas Kalahar at 303-830-5129. 11-19-1993 Staff Business Analyst (This space for Federal or State office use) APPROVED Approved by Conditions of approval, if any:

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 fall

representations as to any matter within its jurisdiction

## WORKOVER PROCEDURE STANOLIND GAS COM B 1 (MV)

### November 12, 1993 (1st version)

- MIRUSU.
- 2. Unload the well.
- 3. TOH with tubing
- Using lubricator, TIH with 4" casing gun and perforate the following intervals with 2 JSPF, 120 degree phasing, and 23 g charges.
   Depths are correlated from Schlumberger's Cement Bond Variable Density Log dated 80/07/22.

#### MV Perforations

4477 - 4510' 4544' - 52' 4558' - 76' 4593' - 4600' 4636' - 40' 4680' - 84'

- 5. Fracture stimulate these MV perfs down casing according to the attached MV frac schedule.
- 6. Open well 4 hours after the frac.
- 7. Swab and/or flow back load for 2 days.
- 8. Set RBP at 3850'.
- Using lubricator, TIH with 4" casing gun and perforate the following intervals with 2 JSPF, 120 degree phasing, and 23 g charges.
   Depths are correlated from Schlumberger's Cement Bond Variable Density Log dated 80/07/22.

#### MV Perforations

3705' - 10' 3754' - 58' 3797' - 3804' 3809' - 15'

- 10. TIH with tubing and packer. Set packer at 3690'
- 11. Pump the following acid job at no greater than 2 bbl/min:

Pre-flush : 1650 gal 15% HCl

Treatment : 1650 gal 35% ASOL, 65% (3% HF / 12% HCl) solution

After-flush : 1650 gal 15% HCl

Displacement: 811 gal 0.2% clay fix II / water

- 12. Immediately swab and/or flow back until well cleans up.
- 13. TOH with RBP at 3850'.
- 14. Clean out to new PBTD'.
- 15. TIH with 1 1/2" production tubing with a seating nipple one joint off bottom and land at 4600'
- 16. Return well to production.

Note: All water which will contact the MV during this procedure should contain clay fix. Try to use clay fix throughout the entire procedure and avoid KCl water altogether.

KCl water, when in contact with HF acid, will form unwanted precipitates. The pre-flush will ensure that any downhole KCl is displaced prior to the pumping of HF acid.

All acid must contain 50 lb. of citric acid per 1000 gal. of solution to serve as an iron sequestering agent.

The time between pumping acid and swabbing back the load should be kept to a minimum.

	Amoco Production	Company	Sheet No File	а
· ·	ENGINEERING CH	HART	Appn	
SUBJECT Standlind Gas	Com B,E		Date	
MV, GH,	GP		8у	
	(0) (400) (4	10 (420)		
9%", 32 #/f+, K:55, CSG			TOC = SUR CSG SA	face 372'
		12	425'	
Fruitland			00.1	
Pictured Cliffs			900'	
				•
	4	-	3700'	
Mesaverde			Toc = 3982	'(CBL)
sq 3979'-4040' w/			· · · · · · · · · · · · · · · · · · ·	
100 SX (10/81)			≥ 2 ½ " +2 C	1 1 1 1 5 7 0 1
• • • • • • • • • • • • • • • • • • •			2 /11." TBG 1 PKR SA 4	
Mperts: 3979 1-4040			DV tool (	a 4865'
4426'- 4599' Baker Model D 84-32 PKR				
GRperts: 5968' - 6058'			TOC = ?	
6139'-6260'			5815'	
Offperfs: 6722'-78':			Gallup	
On her 13. Olya 10	V I			. / / / / ml
DK perfs: 6924'-58'	- [		23%" TBG L CIBP @ 62	
650000 6710'			CSG SA 7	7/05
7" 23 #/4+ N-80 CSG		777	TD-7109' (	'BTD-7012'

7" 23#4+ N-80 CSG