Form 3169-5 (Jung 1990)	UNITED ST DEPARTMENT OF T BUREAU OF LAND M	THE INTERIOR	/	Budget B	RM APPROVEE Sureau No. 1004 s: March 31, 1	4-0135
SU Do not use this	/	5. Lease Designation 6. If Indian, Allottee	SF-078040			
		<u>.</u>		7. If Unit or CA, Ag	reement Designation	
1. Type of Well Oil Gas Well Well	Other			8. Well Name and No		
2. Name of Operator	0	Attention:		Mudge LS 9A		
Amoco Production Company Dallas C. Kalahar			har			
3. Address and Telephone No	nver, Colorado 80201			10. Field and Pool, o	SO04523062	
			·····			
4. Location of Weil (Footage,	Sec., T., R., M., or Survey Description)			11, County or Parish	, State	
1000'FSL	1695'FEL Sec.	3 T 31N R 11W		San Ju	an N	ew Mexico
			<u></u>	1		
12. CHECK	APPROPRIATE BOX(s) T	O INDICATE NATUR	E OF NOTICE, RI	EPORT, OR O	THER DATA	
TYPE OF SUBMI	SSION		TYPE OF ACTION			
		Abandonment		Change of Plans		
Notice of Intent		Recompletion		New Construction	-	
Subsequent Report		Plugging Back Casing Repair		Water Shut-Off	9	
		Altering Casing		Conversion to Injectio	n	
Final Abandonment	Notice	X Other Workover &	Bradenhead Rep	Dispose Water		
				t results of multiple co n Report and Log form.		npletion or
See attached fo In addition, Amo reclaimed if utili	on Company intents to perform r workover procedure. boo also requests approval to c zed , upon completion of this p , please contact Dallas Kalahar	onstruct a temporary 15 procedure. • at 303-830-5129.			This pit will be	
		OI	LCON. DO	5 1.0 	် မ	
			DIST. 3	• •	<u>,</u>	
14. I hereby certify that the fo	rading is true and correct	lahar Title	Staff Business /	Analyst	Dato 10-	11-1993
				APPRO	NED	
(This space for Federal or State				AFFR		
Approved by	<u></u>	Title		/ <u>OCT 14</u>	.)1893	
Conditions of approval, if	any:				۶ • • • • • • = = =	
		······································		JISTRIAT N	ANAGER	
Title 18 U.S.C. Section 1001, representations as to any matt	makes it a crime for any person knowingly an er within its jurisdiction.	d willfully to make to any departmen	t or agency of the United State	s any raise, ficticióus, i	ur irauquient stateme	HILE UT
		* See Instructions on I	Pavarsa Sida			

* See Instructions on Reverse Side NMOCD October 5, 1993 (1st version)

- 1. Record TP, SICP, and SIBHP.
- 2. MIRUSU.
- 3. TOH with tubing.
- 4. TIH with RBP and set at 4100'.
- 5. Run a GR/CBL from 4100' to surface and determine top of cement for 7" casing and 4 1/2" liner. Verify that the PC, FT, and Ojo Alamo are isolated.
- 6. Pressure test casing and liner top to 500 psig. Locate leaks if necessary.
 - a) If leaks exist inside 4 1/2" liner, conduct cement squeeze(s) until hole(s) will test to 500 psig.
 - b) If leaks exist inside 7" casing, contact Paul Edwards in the Denver office before proceeding.
- 7. TIH with RBP and set within 100' of the TOC in the 7" casing, cap with sand.
- 8. Perf 2 squeeze holes within 100' of the TOC.
- 9. Establish circulation to surface, calculate annular volume with a dye, and pump 200% of annular volume of cement. Note returns to surface.
- 10. WOC.
- 11. Drill out cement to RBP.
- 12. Pressure test squeeze perfs to 500 psig.
- 13. Resqueeze until pressure test holds, and cement is to surface.
- 14. TOH with upper RBP.
- 15. Swab fluid level down to 3500' from surface.
- 16. TOH with lower RBP.
- 17. If several holes were shot in the 7" casing, contact office for the possibility of running 4 1/2" or 5 1/2" casing to the liner top.
- Using lubricator, TIH with 3 1/8" casing gun and perforate the following intervals with 2 JSPF and 120 degree phasing. Depths are correlated from Schlumberger's Compensated Formation Density Log dated 78/10/18.

MV Point Lookout Perforations

4762' - 64' 4890' - 4917' 4948' - 55' 4961' - 64' 4968' - 74' 4993' - 95' 5010' - 12' 5050' - 53' 5203' - 05'

MV Cliffhouse & Menefee Perforations

4252' - 56'	4287' - 92'	4300' - 04'
4316' - 18'	4342' - 44'	4366' - 68'
4382' - 88'	4394' - 4416'	4422' - 30'
4469' - 71'	4489' - 92'	

- 19. TIH with RBP, packer and tubing. Set RBP at 5025' and packer at 4880'.
- 20. Pump the following acid job at no greater than 2 bbl/min:

 Pre-flush
 : 2350 gal 15% HCl

 Treatment
 : 2350 gal 35% ASOL, 65% (3% HF / 12% HCl) solution

 After-flush
 : 2350 gal 15% HCl

 Displacement
 : 900 gal 0.2% clay fix II / water

21. Reset RBP to 4510' and packer to 4240'.

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22. Pump the following acid job at no greater than 2 bbl/min:

 Pre-flush
 : 3000 gal 15% HCl

 Treatment
 : 3000 gal 35% ASOL, 65% (3% HF / 12% HCl) solution

 After-flush
 : 3000 gal 15% HCl

 Displacement
 : 860 gal 0.2% clay fix II / water

- 23. TIH with open ended 2 3/8" tubing with a seating nipple one joint off bottom. Land tubing at 5015'
- 24. Swab back load ASAP.
- 25. Tie well back into surface equipment and return 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.



BRADENHEAD TEST REPORT

of Test	8/11/93 Operator	MOLO PRODUCTION CO.
, Nome	MUNGET LS	Well No. 9A Formation(s) MESA VLERDE
<u></u>	3 Township3/N	RangeW
*******	***************************************	
	IN	IITIAL PRESSURE (psi)
Well Status (Circ		
	rings (Circle one) TWO (Production and Surface	
Pressure: Tubi	ing 203 (psi) Intermediate (psi)	Casing <u>203</u> (psi) Bradenhead <u>5</u> 5 (psi)
INSTRUCTIO	NS FOR TESTING WELLS WITH TWO (2) CASIN	**************************************
A. Ope B. Rec	en bradenhead 10 atmosphere. cord casing pressure every 5 minutes.	C. Note characteristics of bradenhead flow. D. Describe any water flow.
INSTRUCTIO	NS FOR TESTING WELLS WITH THREE (3) CAS	ING STRINGS:
B. Rec C. Not D. De	en intermediate casing to atmosphere. cord casing and bradenhead pressure every 5 minutes. te characteristics of intermediate flow. scribe any water flow from the intermediate. ut in intermediate valve.	E. Open bradenhead to the atmosphere. F. Record casing and intermediate pressures every 5 minutes. G. Note characteristics of bradenhead flow. H. Describe any water flow from the bradenhead.
******	***********	PRESSURE (psi)
Time	Bradenhead Casing	Intermediate Casing
S min	$-\frac{1}{203}$	
10 mi	n <u>0</u> 203	
15 mi	$-\frac{\partial}{\partial t} = \frac{203}{203}$	
20 mi	in	
25 mi	in	
30 mi	in	
L	FLOW CHARACTERISTICS	DESCRIBE ANY WATER FLOW
		Bradenhead Intermediate
Steady Flow	Bradenhead Intermediate	Clear
Surges		Fresh
Down to noth No Flow	ing	Sulfur
Gas		Black
Water Gas & Water		SAMPLE TAKIN
REMARK	s: BRADINITIERO BUEN 1)	- FADWED W/SURGES TO START WITT
CTA	etin 35 STERNAL LATIN	- FROWED WISURGES TO START WITH
JALZ	1) A.STLOADY I'' FLOW	

	9/11/92	
	OLILA2	
DATE.	7/1/193	
DATE:	2/11/10	

BY: M. S. J. Jack