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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER-	7. Unit Agreement Name
2. Name of Operator <b>AMOCO PRODUCTION COMPANY</b>	8. Farm or Lease Name <b>Likins Gas Com "A"</b>
3. Address of Operator <b>501 Airport Drive, Farmington, New Mexico 87401</b>	9. Well No. <b>1A</b>
4. Location of Well UNIT LETTER <b>J</b> <b>1650</b> FEET FROM THE <b>South</b> LINE AND <b>1640</b> FEET FROM THE <b>East</b> LINE, SECTION <b>34</b> TOWNSHIP <b>30N</b> RANGE <b>9W</b> NMPM.	10. Field and Pool, or Wildcat <b>Blanco Masaverde</b>
15. Elevation (Show whether DF, RT, GR, etc.) <b>5699' GL</b>	12. County <b>San Juan</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>		COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER <input type="checkbox"/>		OTHER <b>Perf &amp; Frac</b> <input checked="" type="checkbox"/>	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10-22-76 tested casing to 3000 psi for 5 minutes, circulated hole with 1% KCl water and spotted 500 gallons 15% HCl at 4729'. Perf 4393, 4442, 4446, 4527, 4530, 4592, 4596, 4600, 4604, 4608, 4612, 4616, 4620, 4624, 4628, 4632, 4636, 4640, 4644, 4648, 4652, 4662, 4665, 4674, 4682, 4684, 4702, 4705, 4709, 4713, 4721, 4727, and 4730 with 1 shot. Broke down perfs with 1000 gallons 15% HCl. Injected 51 balls in stages and balled off. Retrieved balls. Fraced well with 6,500 gallon pad frac fluid, 1% KCl water, 1 gallon F-59 surfactant per 1000 gallons water and 20 pounds J-133 Gel per 1000 gallons water; 104,000 pounds 20-40 sand, 26,000 pounds 10-20 sand and 65,000 gallons frac fluid. Flushed with casing volume minus 1-1/2 barrels. Average treating pressure 2500 psi. AIR 118 BPM. Set 4-1/2" bridge plug at 4350' and tested to 3000 psi OK. Perf 4010, 4014, 4018, 4022, 4026, 4030, 4034, 4038, 4052, 4056, 4060, 4065, 4076, 4082, 4086, 4098, 4102, 4130, 4137, 4146, 4172, 4174, 4178, 4182, 4186, 4190, 4230, 4234, 4238, 4276, 4280, 4284, 4288, 4292, 4317, 4321, 4325 with 1 shot. Broke down perfs with 1000 gallons 15% HCl and injected 56 balls in stages. Retrieved balls. Fraced with 7,000 gallon pad frac fluid, additives as above, 112,000 pounds 20-40 sand, 28,000 pounds 10-20 sand and 70,000 gallons frac fluid. Average treating pressure 2600 psi. AIR 104 BPM. Cleaned out well to bridge plug at 4350', drilled bridge plug and cleaned out well to PBD 4853'. Landed 2-3/8" production tubing at 4737'.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED [Signature] TITLE **Area Superintendent** DATE **November 5, 1976**

ORIGINAL SIGNED BY H. E. HANSEN, JR.

APPROVED BY \_\_\_\_\_ TITLE **PETROLEUM ENGINEER** DATE **11/5/76**

CONDITIONS OF APPROVAL, IF ANY: