

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

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LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil & Gas Lease No.  
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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. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-	7. Unit Agreement Name ---
2. Name of Operator ARCO Oil and Gas Company, Division of Atlantic Richfield Company	8. Farm or Lease Name ARCO Leeson
3. Address of Operator P.O. Box 5540, Denver, Colorado 80217	9. Well No. 1
4. Location of Well UNIT LETTER <u>K</u> <u>1740</u> FEET FROM THE <u>South</u> LINE AND <u>1800</u> FEET FROM THE <u>West</u> LINE, SECTION <u>27</u> TOWNSHIP <u>25N</u> RANGE <u>3W</u> NMPM.	10. Field and Pool, or Wildcat West Lindrith-Gallup/Da
11. Elevation (Show whether DF, RT, GR, etc.) 7210' GL	12. County Rio Arriba

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"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	PERF, ACIDIZE & FRAC <input 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.

MIRU CU 7-20-85. RIH with bit and casing scraper and tag DV @ 3316'KB. Drilled DV. Ran CBL. Perf'd Dakota "C" @ 8008'-8034' with 1 SPF. Spotted 100 gal 15% HCL + adds from 8038'-7936'. Acidized using 1500 gal 15% HCL + adds and 40 ball sealers. Swabbed. Frac'd using 89,644 gals 2% KCL water + adds and 112,000# 20/40 mesh sand. Swabbed. Set CIBP @ 7270'. Perf'd 7065'-7067'. Set cement retainer @ 6944'. Squeezed with 75 sx Class "B" neat cement. Drilled cement to CIBP. Swabbed. Perf'd Lower Gallup @ 7080'-7140', 7148'-7158' & 7170'-7194'. Spotted 3 bbls 15% HCL + adds from 7208'-7079'. Acidized with 3948 gals acid + adds and 78 ball sealers. Frac'd using 106,254 gals 2% KCL water + adds and 180,764# sand. Cleaned out. Set CIBP @ 7055'. Perf'd 6906'-6908' with 4 SPF. Set cement retainer @ 6772'. Squeezed with 75 sx Class "B" neat cement. Drilled retainer and cement. Perf'd Upper Gallup 6910'-6964', 6994'-7000', 7006'-7014' and 7020'-7032'. Spotted 3 bbls 15% HCL acid + adds. Acidized using 4452 gals 15% HCL + 81 ball sealers. Frac'd using 89,296 gals gelled 2% KCL water + adds and 74,365# 20/40 mesh sand and 87,654# 10/20 mesh sand. Cleaned out. Swabbed. Milled on CIBP and pushed to 8140'. Landed 2-3/8" tubing @ 7795'. Swabbed.

Released rig 8-28-85.

RECEIVED  
SEP 23 1985

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

SIGNED Jim McCarthy / kxf TITLE District Drilling Superintendent OIL CON. DIV. DIST. 3 9-18-85

Original Signed by FRANK T. CHAVEZ

APPROVED BY \_\_\_\_\_ TITLE SUPERVISOR DISTRICT # 3 DATE SEP 23 1985

CONDITIONS OF APPROVAL, IF ANY:



**LTR**



**Job separation sheet**

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NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

API #30-039-23720

Operator ARCO Oil and Gas Company, Division of Atlantic Richfield Company	
Address P.O. Box 5540, Denver, Colorado 80217	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

SEP 03 1985  
OIL CON. DIV.  
DIST. 3

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name ARCO Leeson	Well No. 1	Pool Name, including Formation West Lindrith-Gallup/Dakota	Kind of Lease State, Federal or Fee	Lease No. FEE
Location Unit Letter <u>K</u> ; <u>1740</u> Feet From The <u>South</u> Line and <u>1800</u> Feet From The <u>West</u> Line of Section <u>27</u> Township <u>25N</u> Range <u>3W</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Permian Oil Corporation	P.O. Box 1183, Houston, Texas 77001					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Unknown at this time						
If well produces oil or liquids, give location of tanks.	Unit <u>K</u>	Sec. <u>27</u>	Twp. <u>25N</u>	Rge. <u>3W</u>	Is gas actually connected? <u>NO</u>	When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well	New Well <input checked="" type="checkbox"/>	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded <u>6-22-85</u>	Date Compl. Ready to Prod. <u>8-29-85</u>	Total Depth <u>8256'</u>	P.B.T.D. <u>8169' 8140</u>					
Elevations (DF, RKB, RT, GR, etc.), <u>7210' GL 7224' KB</u>	Name of Producing Formation <u>Gallup/Dakota</u>	Top Oil/Gas Pay <u>6910'</u>	Tubing Depth <u>6877' 7795'</u>					
Perforations <u>6910'-7032'; 7080'-7194'; 8008'-8034'</u>			Depth Casing Shoe <u>8255'</u>					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<u>12-1/4"</u>	<u>9-5/8'</u>		<u>501'</u>		<u>265 sx</u>			
<u>8-3/4"</u>	<u>5-1/2"</u>		<u>8255'</u>		<u>2475 sx - 3 stage</u>			
	<u>2-3/8"</u>		<u>6877' 7795'</u>					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks <u>8-29-85</u>	Date of Test <u>8-29-85</u>	Producing Method (Flow, pump, gas lift, etc.) <u>Flowing</u>	
Length of Test <u>10-1/2 hrs</u>	Tubing Pressure <u>75</u>	Casing Pressure <u>525</u>	Choke Size <u>Adj 3/4"</u>
Actual Prod. During Test <u>247 Bbls</u>	Oil-Bbls. <u>184 420</u>	Water-Bbls. <u>63</u>	Gas-MCF <u>191</u>

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (piston, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

K.L. Flinn (Signature)  
Drilling Analyst

August 29, 1985 (Date)

OIL CONSERVATION COMMISSION

SEP - 3 1985  
APPROVED \_\_\_\_\_  
BY \_\_\_\_\_ Original Signed by FRANK T. CHAVEZ  
TITLE \_\_\_\_\_ SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

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