

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1

3086/W1  
3004/R2  
9-17-86  
RECEIVED

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS CON. DIV.]

AUG 25 1986

I.

Operator ARCO Oil and Gas Company		DIST. 3	
Address Box 1610, Midland, Texas 79702			
Reason(s) for filing (Check proper box)		Other (Please explain)	
<input checked="" type="checkbox"/> New Well	Change in Transporter of:		
<input type="checkbox"/> 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	

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name ARCO Hill	Well No. 23-1	Pool Name, including Formation W. Lindrith - Gallup/Dakota	Kind of Lease State, Federal or Fee	Fee surface Fed. Mineral	Lease No. 04075
Location Unit Letter <u>E</u> : <u>1810</u> Feet From The <u>North</u> Line and <u>345</u> Feet From The <u>West</u> Line of Section <u>23</u> Township <u>25N</u> Range <u>3W</u> , NMPM, Rio Arriba County					

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Permian Corp.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1072 Farmington, NM 87499					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> El Paso Nat'l Gas Co.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 990, Farmington, NM 87401					
If well produces oil or liquids, give location of tanks.	Unit <u>E</u>	Sec. <u>23</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:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

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

Ken W. Gosnell  
(Signature)  
Engr. Tech Spec. 915-688-5672  
(Title)  
8-21-86  
(Date)

OIL CONSERVATION DIVISION

APPROVED AUG 01 1986  
Original Signed by CHARLES GHOLSON  
BY  
TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #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 completed wells.

#### IV. COMPLETION DATA

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X		X					
Date Spudded 5-25-86	Date Compl. Ready to Prod. 8-8-86	Total Depth 8253		P.B.T.D. 8219					
Elevations (DF, RKB, RT, CR, etc.) 7322 RKB	Name of Producing Formation Gallup/Dakota	Top Oil/Gas Pay 7056		Tubing Depth 6997					
Perforations 7056-8176						Depth Casing Shoe			

#### TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4	8 5/8	771	500sx cmt circ
7-7/8	5 1/2	8249	1475sx TOC 3640 ts
	2 7/8	6997	

#### V. TEST DATA AND REQUEST FOR ALLOWABLE (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 7-10-86	Date of Test 8-15-86	Producing Method (Flow, pump, gas lift, etc.) Pumping		
Length of Test 3 hours	Tubing Pressure	Casing Pressure	Choke Size	
Actual Prod. During Test	Oil - Bbls. 43.5	5.44	Water - Bbls. 0	Gas - MCF 64 MCFPD

#### GAS WELL

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