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Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O.Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator Amoco Production Company		Attention: Dallas Kalahar	Well API No. 3004529029
Address P.O. Box 800 Denver Colorado 80201			
Reason(s) for Filing (Check proper box) New Well <input checked="" type="checkbox"/> Other (Please explain) <input checked="" type="checkbox"/> Recompletion <input type="checkbox"/> Change in Transporter of: Change in Operator <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>			

If change of operator give name  
and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name Brown Federal J 13163	Well No. 1	Pool Name, Including Formation Basin Dakota Gas 71599	Kind of Lease State, Federal or Fee Federal	Lease No. SF-078039
Location Unit Letter M 1255' Feet From The FSL Line and 670' Feet From The FWL Line Section 13 Township 32N Range 11W, NMMP, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> Water 2806437	Address (Give address to which approved copy of this form is to be sent)					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company 2806436	Address (Give address to which approved copy of this form is to be sent) P O Box 4990, Farmington, NM 87499					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	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	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
		X	X					
Date Spudded 12-07-93	Date Compl. Ready to Prod. 2-23-94	Total Depth 7731'	P.B.T.D. 7666'					
Elevations (DF, RKB, RT, GR, etc.) 6223' GR	Name of Producing Formation Dakota	Top Oil/Gas Pay 4502'	Tubing Depth 2 3/8" - 7519'; 1 1/4" - 7480'					
Perforations (7432' - 7684) Dakota			Depth Casing Shoe					
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
17 1/2"	13 3/8"	399'	500 sx CI B					
12 1/4"	9 5/8"	3229'	1st stg = 410 sx CI B, 2nd stg = 990 sx CI B,					
8 3/4"	7"	7347'	865 sx standard CI B					
	4 1/2" Liner	7730'	100 sx CI B					

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 Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D 320	Length of Test 24 hours	Bbls. Condensate/MMBtu 0	Gravity of Condensate
Testing Method (pitot, back pr.) Flowing	Tubing Pressure (Shut-in) 380	Casing Pressure (Shut-in) 560	Choke Size 1/4"

VI. OPERATOR 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 above is true and complete to the best of my

Signature  
Dallas Kalahar  
Business Analyst  
Printed Name  
2/24/94  
Date  
(303) 830-5129  
Telephone No.

OIL CONSERVATION DIVISION

Date Approved MAR 14 1993

By Supervisor District 13  
Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such
- 4) changes.

RUWL (01/13/94) and RIH w/ perf gun. Tagged sd @ 7654'. ROH & RIH w dump blr & dmpd 1 sx of sd and retagged @ 7636'.

Perf: ROH & RIH and perf upper DK w/ 3 3/8 HSC gun ported w/ 1 JSPF, 120 deg phased, 16 GR charge fr: 7580'-7582', 7567'-7569', 7555'-7557', 7529'-7532', 7522'-7526', 7433'-7438'.

TIH w/ PPI tool w/ 6' spacing . TIH w/ 60 stds. SWIFN. TIH to perfs, 7580'-7582'. Press up to 4500 psi, no break dn. PU to perfs, 7567'-7569'. Press up to 4500 psi, no break dn. PU to 7555'-7557', Perfs broke back fr 4120' to 4000 psi w/ 10 BBLS @ 2.6 BPM. PU to perfs 7529'-7532' and PI @ 3780 psi @ 1.8 BPM. PU to perfs 7522'-7525' & PI @ 4400 psi @ 2 BPM. PU to perfs 7488'-7498 & PI @ 4 BPM. Press incrd fr 2860 to 4000 psi. PU to perfs 7433'-7438'. PI & press incrd fr 3780'-3781' @ 5 BPM. Rlsd tools & TIH back to bot two perfs. Broke perfs 7580'-7582' by pmpg 2 BPM @ 4800 psi. Perfs broke back to 4341 psi. PU to perfs 7567'-7569'. Broke perfs back fr 5000'-4910' psi @ 1 BPM. Rlsd PPI tool and TOH. ND BOPS, SWIFN.

Frac: RU Frac Equip. (01-16-94). Frac upper DK by pmpg a 50lb/M HPG gel wtr frac and 20/40 sd. Pmpd 10,000 gal pad followed by 25,000 gal w/ 1 PPG 100 mesh sd. Pmp 20,000 gal pad. Pmpd 8,000 gals w/ 1 PPG 20/40 sd, 16,000 gals w/ 2 PPG 20/40 sd. Pmp 16,000 gal w/ 2.5 PPG sd. Pmp 12,000 gal w/ 3.0 PPG sd. Pmp 8,000 gals w/ 4.0 PPG 20/40 sd. Started to pmp 5.0 PPG & screened out. All sd contained RA material IR 192. Pmpd 2100 sx & pmpd 507 in wellbore. AIP 3000 psi, AIR 27 BPM. Total vol pmpd = 119,713 gals slurry, Vol = 128,254 gal. 2100 sx 20/40 sd, 250 sx 100 mesh sd. RD frac equip and hook up flw back tree and blow line.

TIH & tagged sd @ lnr top @ 7111'. Circ & cln out sd to 7671'. Circ hole cln. TOH w/ tbq. RUWL & RIH & ran after frac fr 7661'-7050'. RIH and reperf upper DK w/ 3 3/8 guns w/ 4 JSPF 90 deg phased w/ 16 GR charge. Perf fr: 7580'-7584', 7566'-7570', 7554'-7559', 7520'-7534', 7488'-7500', 7432'-7444'.

RDWL (01-19-94). TIH and landed tbq @ 7560'. Flw well to tnk.