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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**

I.		
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"/> Change in Transporter of: Recompletion <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Change in Operator <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>		
Other (Please explain) Temp. 90 Day Pkr. Test		
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 Blanco Mesaverde 72319	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 ,NMPM, 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 2806435	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 2806434	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. 766'			
Elevations (DF,RKB,RT,GR,etc.) 6223' GR	Name of Producing Formation Mesaverde		Top Oil/Gas Pay 4502'		Tubing Depth 4998' - 2 3/8"			
Perforations (4502' - 5487') Mesaverde					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
17 1/2"	13 3/8"		399'		600 sx CI B			
12 1/4"	8 5/8"		3228'		1st stg = 410 sx CI B, 2nd stg = 890 sx CI B,			
8 3/4"	7"		7347'		866 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 1100	Length of Test 24 hours	Bbls. Condensate	Gravity of Condensate
Testing Method (pitot, back pr.) Flowing	Tubing Pressure (Shut-in) 340	Casing Pressure (Shut-in) 450	Choke Size 1/2"

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
Title
(303) 830-5129
Date
Telephone No.

OIL CONSERVATION DIVISION

Date Approved MAR 14 1993

By
SUPERVISOR DISTRICT #3
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 (1-25-94). Set tbg, RBP & set @ 5630' and press tst to 2000 psi; Held OK! RIH & dmpd 1 sx sd on RBP.

Perf: RIH & perf Point Lookout w/ 4 " HSCG w/ 2 JSPF, 120 deg phased, .5 hole, 22.7gram charge. Perf fr 5462'-5467', 5389'-5397', 5348'-5358', 5286'-5300', 5232'-5260'. Hole full, SWIFN.

Frac: RU frac equip & press tst lines. Pmpd ball off dn csg w/ 210 1.1 SG balls @ 40 BPM. Press up to 3500 psi 3 times, total bbls pmpd = 13,500 gals. Press dropd off to 0 psi. RUWL & RIH w/ GR & JB for 7" csg and knocked off balls. Rec 84 balls. RU to frac MV intv fr 5232'-5467'. Pmpd 20,063 gals Boragel gel wtr pad @ 41 BPM. Pmpd 7005 gals gel w/ 1.5 PPG 12/20 sd @ 55 BPM. Pmpd 6999 gals gel w/ 2.5 PPG 12/20 sd @ 52 BPM. Pmpd 4302 gals gel w/ 3.5 PPG 12/20 sd @ 49 BPM. Went to displ & pmpd 8362 gals KCL wtr. AIR 58 BPM, AIP 90 psi. Sd pmpd = 500sx. Total vol = 47,291 gals or 1126 bbls. Well on vacuum. RUWL, RIH & chkd fill. Tagged up @ 5647'.

RU to refrac MV (Point Lookout) intv fr 5232'-5467' by pmpg 18,619 gals Boragel G329 @ 48 BPM. Pmpd 8373 gals of gel w/ 1/5 PPG 12/20 sd @ 53 BPM. Pmpd 6910 gals of gel w/ 2.5 PPG of 12/20 sd @ 50 BPM. Pmpd 7086 gals gel w/ 2.5 PPG 12/20 sd @ 48 BPM. Pmpd 7095 gals of gel w/ 4.5 PPG 12/20 sd @ 44 BPM. Pmpd 6964 gals of gel w/ 6.0 PPG 12/20 sd @ 44 BPM and displ frac w/ 8220 gals of clay fix wtr. Total sd pmpd = 1298 sx, total vol = 69,304 gals or 1650 bbls at AIR of 55 BPM and AIP of 75 psi. Well on vacuum. SWI.

Perf: RUWL & RIH and set RBP @ 5210' and press tst to 2000 psi, Held OK! RIH & dmpd 1 sx sd on RBP. RIH and perf MV (Menefee) w/ 4 HSCG w/ 2 JSPF, 120 deg phased w/ 22 gram charge .5 hole fr: 5178'-5184', 5154'-5156', 5128'-5134', 5108'-5114', 5092'-5098', 5080'-5084', 5062'-5066', 5032'-5038', 5012'-5020', 4984'-4990', 4960'-4968', 4928'-4932'. SWIFN.

Frac: RU frac equip and press tst lines. Pmpd ball off on MV perf intv 4928'-5184'. Pmpd 11,498 gals of clay fix wtr @ 35 BPM. Pmpd 234 balls press up 3350 psi. Hit balls 2nd time & started to PI. Rlsd press. Nipple dn frac hd & equip. RUWL & RIH and knocked off balls. Rec 85 balls, 65 hits. Frac Menefee by pmpg gel & foam 70 quality & 16/30 sd. Pmpd 6434 cln gals pad w/ 198K SCF N2 @ bot hole foam rate of 52 BPM @ 992 psi. Pmpd 2778 gals w/ 108K SCF N2 w/ 1 PPG 16/30 sd @ bot hole rate of 41 BPM @ 1488 psi. Pmpd 51164 gals w/ 2 PPG 13/30 sd w/ 164K SCF N2 @ bot hole rate of 40 BPM @ 1383 psi. Pmpd 5383 gals gel w/ 2.5 PPG w/ 164K SCF N2 @ 39 BPM bot hole rate @ 1371 psi. Pmpd 3859 gals gel w/ 3 PPG 16/3 sd w/ 113K SCF N2 @ 38.9 BPM bot hole rate @ 1381 psi. Pmpd 3089 gals gel w/ 4 PPG 16/30 sd w/ 84K SCF N2 @ 38.9 BPM bot hole rate @ 1369 psi. Pmpd 2350 gals gel w/ 5 PPG 16/30 sd w/ 59K SCF N2 @ 39 BPM bot hole rate @ 1369 psi. Pmpd displ of 7861 gals of treated wtr w/ 3K SCF N2 @ 23 BPM bot hole rate @ 709 psi. Shut down. AIR 36 BPM, AIP 1081 psi, Avg fluid rate 17 BPM surf, Avg N2 rate 14,859 SCF/min. Total fluid pmpd = 31,307 gals or 745 bbls; total sd = 1300 sx. Nipple dn frac hd & equip.

Perf: RUWL & RIH w/ RBP & set @ 4094' and press tst to 2100 psi, Held OK! RIH & dmpd 2 sx sd on RBP. RIH & perf MV (Cliff House) w/ 4" HSCG w/ 2 JSPF w/ 22.7 gram charge w/ .5 hole fr: 4846'-4888', 4834'-4840', 4808'-4828', 4670'-4674', 4656'-4660', 4612'-4616', 4502'-4510'. SWIFN.

Frac: RU frac hd & equip and press tst lines. Pmpd ball off w/ 285 balls w/ 15,625 gals KCL wtr at avg rate of 40 bbls/min. Press up 3 times, max press = 3600 psi. RUWL & RIH w/ 7 JB & GR knocked off balls. Rec 166 balls, had 132 hits. Frac MV (Cliff House). 1st try pmpd 14,958 gals gel w/ 70 quality foam w/ 315,830 SCF N2. Lost HTR on N2 pumper. Sucked in 3 O-rings into N2 rate mtr. Fixed mtr. Restart frac by pmpg total of 36,126 gals w/ 1,317,006 SCF N2 w/ 70 quality foam. Total sd = 2000 sx went fr 1 lb sd to 2 lb to 2.5 lb to 3 lb to 4 lb to 5 lb sd. Avg bot hole rate = 44 BPM, AIP = 1503 psi. Displ w/ 3600 gals KCL. Screened out half way thru displ. SWI & RD frac equip. NU and flw back tree, SWI overnight. Circ hole cln and clnd out sd. Flwd to tank.