February 9, 1999

CERTIFIED MAIL

Lori Wrotenbery, Director New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, New Mexico 87505

RE:

Request for Administrative Approval of an

Unorthodox Location Basin Fruitland Coal Pool H.B. McGrady "A" #1E S/2 Section 14-27N-12W San Juan County, New Mexico



Gentlemen:

Cross Timbers Operating Company hereby request administrative approval to move from the Dakota formation and complete in the Fruitland Coal formation in the following unorthodox location:

Well Name:

H.B. McGrady "A" #1E

Pool:

Basin Fruitland Coal

Location:

1,000'FSL & 1,000'FWL

Acreage Dedication:

S/2 Section 14-27N-12W, containing 320 acres, more or less

County/State:

San Juan County, New Mexico

Pool Rules:

Well Location in NE/4 or SW/4

Attached is the following support and documentation for said application:

- 1. C-102 Plat
- 2. Geologic discussion
- 3. Copy of certified letter sent to offset operator/owners
 - A. Plat of offset operators and production

NMOCD Letter Dated February 9, 1999 Page 2.

We look forward to your approval and should you have any questions, please contact me at (817) 870-8454.

Sincerely,

CROSS TIMBERS OIL COMPANY

George A. Cox, CPL

Landman

cc: Gary Markstead - Farmington

Bobby Smith - CTOC Midland

Loren Fothergill - CTOC Farmington

Gary Burch

Offset Operators/Owners

STATE OF NEW MEXICO ERGY AND MINCRALS OCPARIMENT

P. O. BOX 2018 SANTA FE, NEW MEXICO 87501

form C-107 keyised 10-1

All distances must be from the cuter houndaries of the Section.

Operator					Legse				Well No.
	CTIO	N COMPANY			н. в.	McGRADY "	An		lE
Unit Letter	Section	- •	Township		Range		County	_	
P	<u> </u>	14	27	<u>N</u>		12W	San	Juan	
Actual Footage Loca	ation o	_			***				
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									mmunitization, unitization, n approved by the Commis-
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		s	a			1984 MANAGEMEN ROUPGE ARE		Company AMOCO Date	Production Company t 31, 1984
	·			. 14				shown or notes of under my is true	r certify that the well location in this plat was plotted from field actual surveys made by me or r supervision, and that the same and correct to the best of my ge and belief.
•	-					0000 - - - - -	Oi	1	201 2
		Sc	ale: l"=	1000'				Certificate	Now Access 1

H.B. McGrady "A" #1E SE¼, Sec. 14-T27N-R12W San Juan County, NM

Proposal to Recomplete to the Fruitland Coal

GEOLOGIC DISCUSSION

The H.B. McGrady "A" #1E is currently an inactive well which was drilled and completed in the Dakota Formation in 1984. The well is no longer able to produce from the Dakota Formation due to mechanical problems. The mechanical problems are below the Fruitland Coal, thereby allowing the well bore to be used for production from the Fruitland Coal. Salvaging the upper portion of this well bore eliminates the need to drill an additional well.

The H. B. McGrady "A" #1E is at an unorthodox location for the Fruitland Coal in the SE¼ of Sec. 14, 1000' FSL and 1000' FEL of the section. The S½ Section 14 proration unit for the Fruitland Coal contains one well in the SW¼, the CTOC H.B McGrady "A" #1. The H.B. McGrady "A" #1E (SE¼) was chosen over the H.B. McGrady "A" #1 (SW¼) for recompletion to the Fruitland Coal for the following reasons:

- 1) The McGrady "A" #1 is still an active, economic Dakota well. Therefore, it would not be feasible to attempt a Fruitland Coal workover on this well at this time.
- 2) Coal thickness decreases from approx. 12 ft. in the McGrady "A" #1E to approx. 6 ft. in the McGrady "A" #1. It is not certain at this point if 6 ft. of coal can yield economic amounts of gas. Two successful coal wells offsetting to the NE in Sec. 12 have 16 ft. and 22 ft. of coal.
- 3) The McGrady "A" #1E is closer to and more in line of the producing trend of successful Fruitland Coal wells to the northeast. Risk associated with reservoir quality would be lower in the McGrady "A" #1E.
- The McGrady "A" #1E is far enough from any lease line (1000') that producing from the Fruitland Coal at this location should not have any negative impact upon surrounding sections.

 Lay K. Buck Jan. 11,1999



February 9, 1999

CERTIFIED MAIL:

Owners (See Attached List)

RE: Unorthodox Location

H.B. McGrady "A" #1E 1,000'FNL & 1,000'FEL

S/2 Unit in Section 14-27N-12W

San Juan County, NM

Gentlemen:

Cross Timbers Operating Company filed the attached application for administrative approval of the above unorthodox location with the New Mexico Oil Conservation Division on February 9,1999. Cross Timbers proposes to move from the Dakota formation to the Fruitland Coal formation in the existing wellbore. If you object to the application, you must file a written objection with the Oil Conservation Division within 20 days of the date the application was filed.

Sincerely,

CROSS TIMBERS OPERATING COMPANY

George A. Cox, CPL

Landman

Enclosures

OFFSET OPERATORS/OWNERS UNORTHODOX LOCATION H. B. MCGRADY "A" #1E S/2 SECTION 14-27N-12W SAN JUAN COUNTY, NEW MEXICO

Kennedy Oil Company P.O. Box 151 Artesia, NM

C.B. Buck 108 W. Alicante Road Santa Fe, NM 87505

Evelyn Simmons & Len Cason, Co-Trustees of the Charles L. Jenkins Revocable Living Trust UTA Dated 6-13-80 1700 W. Wilshire Blvd. Oklahoma City, OK 73116

Dugan Production Corp. P.O. Box 420 Farmington, NM 87499

Sylvia F. Little Trustee UTA dated 5-25-90 P.O. Box 1258 Farmington, NM 87499

Susan Lynne Little Trust c/o Sylvia F. Little Trustee P.O. Box 1258 Farmington, NM 87499

Robert Ontee Little Trust c/o Sylvia F. Little Trustee P.O. Box 1258 Farmington, NM 87499

Carmel Gutierrez 11 Road 5297-3027-R Farmington, NM 87401 Joe F. Elledge P.O. Box 111 Farmington, NM 87499

The Caswell Silver Partnership c/o P & M Petroleum Management 1600 Broadway, Ste. 625 Denver, CO 80202

Eureka Gas Co., Inc. P.O. Box 4037 Midland, TX 79704

Frank W. Podpechan Box 549 Claremore, OK 74018

M.R. Schalk P.O. Box 25825 Albuquerque, NM 87125

sid	SENDER: © Complete items 1 and/or 2 for additional services. © Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so that we complete items and address on the reverse of the form so that we complete items.	can return this	following services (for an extra fee):	ai.
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ADDRESS	5. Received By: (Print Name) 6. Signature: (Addressee or Agent)	8. Address		Thank you

PS Form **3811**, December 1994

102595-98-B-0229 Domestic Return Receipt

102595-98-B-0229

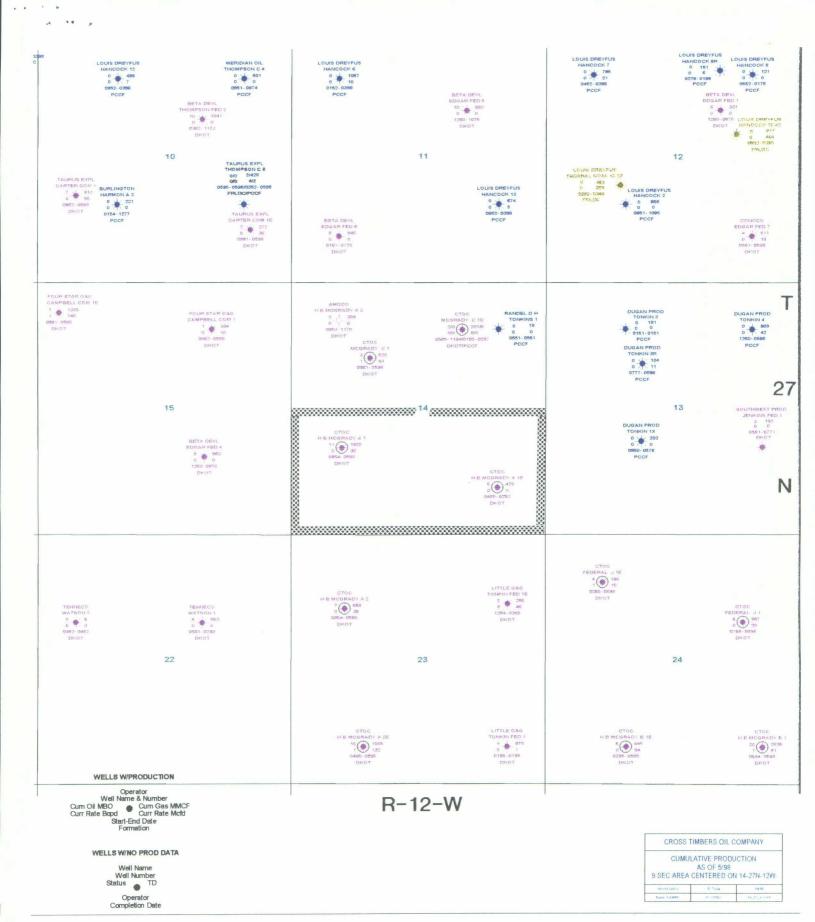
Domestic Return Receipt

102595-98-B-0229

Domestic Return Receipt

PS Form **3811**, December 1994

the reverse side	SENDER: Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so that we card to you. Attach this form to the front of the mailpiece, or on the back if space permit. Write "Return Receipt Requested" on the mailpiece below the article The Return Receipt will show to whom the article was delivered and delivered.	I also wish to reco following services extra fee): 1.	eipt Service.	
ADDRESS completed on	M.R. Schalk P.O. Box 25825 Albuquerque, NM 87125	4a. Article N 4b. Service Register Express Return Re 7. Date of D	Certified Insured COD	ou for using Return Rec
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Form 3<u>1</u>60-5 ((June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

udget Bur	eau No.	1004-0135
Expires:	March :	31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

5. Lease Designation and Serial No.

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT - " for such proposals							NM-035634 8. If Indian, Allottee or Tribe Name			
1. Type of ¥		Other					N	(GEII Nov - 5	V E	37, If -Unit or CA, Agreement Designation
2. Name of	Operator				Atte	intion:	huleta	രവ		H. B. Mc Grady A 1E
	MOCO PRODUCT	TION COMPAN	<u> </u>		Pat	t Arc	hule(a)	COM.		WPI Well No. 3004526095
	O. BOX 800 DEN	IVER, COLORA	ADO 80201				(303) 830	-5217	3	10. Field and Pool, or Exploratory Area
4. Location	of Well (Footage, Sec., T., R., M.,	or Survey Description)								Basin Dakota
	1000' FSL	1000' FEL	Sec.	14 T	27N	R	12W	UNIT P		11. County or Parish, State SAN JUAN NEW MEXICO
12.	CHECK AF	PPROPRIATE	BOX(s) TO	INDI	CATE	NA	TURE OF	F NOTICE	, REP	PORT, OR OTHER DATA
	TYPE OF SUBMISSIO	N					E- 144	TYPE OF ACTI	ON	
	Notice of Intent Subsequent Report Final Abandonment Notice				Abandonn Recomple Plugging 6 Casing Re Altering C	etion Back spair Casing	Dated 10/2/98			Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water sults of multiple completion on Well Completion or Recompletion Report and Log form.)
	e Proposed or Completed Operatio	ns (Clearly state all pertinent	details, and give pertinent da	tes, including e	estimated date	e of star	ting any proposed w	ork . If well is direction	nally drilled, g	ive subsurface locations and measured and true vertical depths for all
	Amoco Production Cross Timbers Of 6001 Highway 64 Farmington, NM Reference NMNN	perationg Com \$ 87401	_	his well	, it was	s solo	d to:			COULTS PULS: 55
Signed (This space t	or certify that the Largering is prue I	and soffice t	e ta			Tid		Staff	Assistar	NOV***- 2 19¢8 FARMINGTON DISTRICT OFFICE
Condi	itions of approval, if any:	e for any person knowingly ar	nd willfully to make to any de	partment or ag	ency of the U	Inited St	ates any false, fictic	ious, or fraudulent stat	ements or rec	presentations as to any matter within its jurisdiction.
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District J. PO Box 1980, Hobbs, NM 88241-1980

District II 811 South First, Artesia, NM 88210

District III 1000 RioBrazos Rd., Aztec, NM 87410

State of New Mexico Engery, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-104 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office 5 Copies

AMENDED REPORT

District IV 2040 South Pachec													
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		ous Operator Sign	<u> </u>			efferson ed Name	·	Senio	or Administrativ		sistant	12/01/97 Date	

Form 3160-5 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED					
Budget Bureau No. 1004-0135					
Expires: March 31, 1993					

CURDON NOTICES AND DEPORTS ON WELLS	5. Lease Designation and Serial No.
SUNDRY NOTICES AND REPORTS ON WELLS	NM-035634
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT - " for such proposals	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA, Agreement Designation
1. Type of Well Oil Gas Well Other	8. Well Name and No.
2. Name of Operator Attention:	H. B. Mc Grady a 1E
AMOCO PRODUCTION COMPANY Pat Archuleta	9. API Well No.
3. Address and Telephone No. P.O. BOX 800 DENVER, COLORADO 80201 303-830-5217	3004526095 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	Basin Dakota
1000' FSL 1000' FEL Sec. 14 T 27N R 12W UNIT P	11. County or Parish, State SAN JUAN NEW MEXICO
CUECK APPROPRIATE POVINT TO INDICATE MATURE OF MOTION	
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE,	
TYPE OF SUBMISSION TYPE OF ACTION	
	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water port results of multiple completion on Well Completion or stion Report and Log form.) Ing any proposed work . If well is directionally drilled, give
This well is still in temporary abandonment status, and still being evaluated.	
Reference letter NMSF-078903B	ET 2 7 237 D
THIS APPROVAL EXPIRES OCT 0 1 1998	
14.1 hereby certify the tiple foregoing is true and correct Signed tal discharge Title Staff Assi	stant Date 10-08-1997
(This space for Federal or State office use) Approved by Conditions of approval, if any:	Date OCT 2.2 19g

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, ficticious, or fraudulent statements or

representations as to any matter within its jurisdiction.

Form 3160-5 (June 1990)

representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

FORM APPROVED					
Budget Bureau No. 1004-0135					
Expires: March 31, 1993					

NM 035634

DISTRICT MANAGER

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Use "APPLIC	ATION FOR PERMIT - " for such proposals			
			7. If Unit or CA, Agreement Desig	gnation
1. Type of Well Oil Well Other			S. Well Name and No.	
Well Other 2. Name of Operator	Attention:		H. B. McGrady A	1 E
Amoco Production Company		ta, Room 1205C	9. API Well No.	
3. Address and Telephone No.			3004526	095
P.O. Box 800, Denver, Colorad	0 80201 (303	3) 830-5217	10. Field and Pool, or Exploratory	
4. Location of Well (Footage, Sec., T., R., M., or	Survey Description)		Basin Dak	cota
1000'FSL 1000'FEL	Sec. 14 T 27N R 12W	Unit P	11. County or Parish, State San Juan	New Mexico
CHECK VDDDODD	ATE BOYION TO INDICATE MATE	IDE OF NOTICE D		
TYPE OF SUBMISSION	ATE BOX(s) TO INDICATE NATI	TYPE OF ACTION	EPORT, OR OTHER D	AIA
Notice of Intent Subsequent Report Finel Abendonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Letter da	ted 9/24/96 (Note: Repo	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water rt results of multiple completion on Von Report and Log form. }	Well Completion or
The status of this well has n Reference letter NMNM-035	ot changed, we are still evaluating and l	NOV 2 0 10	g intergrity test to 500#	<i>t</i> .
If you have any questions co	ontact Dave Smith at (303) 830-4502.	OIL COM. Diet e	95 1192 15 970 Fix 1182	
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14. I hereby certify that the foregoing a true and	Correct Little Title	Staff Assist	tant Date	09-13-1996
(This space for Federal or State office use)				
			APPROV	/ED
Approved by Conditions of approval, if any:	Title		/S/ Duane W. S	
Title 18 II S.C. Section 1001 makes it a stime 5	or any parago knowingly and willfully to make to any depart	mant as against of the United Co-	NOV 1 8 fc	otatamenta co

Form 3160-5 FORM APPROVED UNITED STATES (June 1990) Budget Bureau No. 1004-0135 DEPARTMENT OF THE INTERIOR Expires: March 31, 1993 OIL GONSERVBUREAU OF LAND MANAGEMENT RECEIVED RECLIVED SUNDRY NOTICES AND REPORTS ON WELLS ALL ROOM 5. Lesse Designation and Serial No. Donot use this form for progressive drill or to deepen or reentry to gradifierent reservoir. 2: 19

Use "APPLICATION FOR PERMIT - " for such proposals NM 035634 6. If Indian, Allottee or Tribe Name 070 FARMINGTON, NM 7. If Unit or CA, Agreement Designation 1. Type of Well ⊠ Gae Well Oil Well Other 8. Weil Name and No. 2. Name of Operator H. B. McGrady A 9. API Well No. Amoco Production Company Patty Haefele 3. Address and Telephone No. 3004526095 (303) 830-4988 P.O. Box 800, Denver, Colorado 80201 10. Field and Pool, or Exploratory Area **Basin Dakota** 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State 1000 FSL Sec. 14 T 27N R 12W 1000 FEL Unit P San Juan

(Note: Report results of multiple completion on Well Completion of Recompletion Report and Log form,) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF ACTION

Change of Plans

Dispose Water

New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection

Amoco Production Company performed the following repair work:

subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work. If

TYPE OF SUBMISSION

Final Abandonment Notice

representations ## to any matter within its jurisdiction.

Notice of Intent

MIRUSU 8/7/95. Cleanout fill 6300-6218 ft. RDMOSU 8/9/95. MIRUSU 8/28/95. TIH, run freepoint on stuck tubing, free point at 5990 ft, anchor at 5980 ft. TIH. Cut off tubing at 5965 ft. Set CIBP at 5940 ft. With wireline bailer, set 100' cement plug on top of CIBP to 5840 ft, used 15 sx Class B neat, 15.6 ppg. Dakota zone is now temporarily abandoned. RDMOSU 9/1/95. Will evaluate wellbore for future work.

THIS APPROVAL EXPIRES SEP 1 9 1996

New Mexico

OIL COM. DIV.

14. I hereby certify that the foregoing is true and correct Signed Patty Halle	Title	Staff Assistant 09-15-1	995
(This space for Federal or State office use)		A P P N O V L L)
Approved byConditions of approval, if any:	Title	SEP 1.9 1995	
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly ar representations as to any matter within its jurisdiction.	nd willfully to make NSIOCD rtment or	agency of the United States any tales in the Tay MANAGER or	

orm 3160-5	TED 074 TE0	FORM APPROVED
Jule 12201	TED STATES	FORM APPROVED Budget Bureau No. 1004-0135
	IT OF THE INTERIOR	Expires: March 31, 1993
BUREAU OF	LAND MANAGEMENT	
CHNDRY NOTICES	RECEIVED AND REPORTS ON AVELLANIL ROOM	5. Lease Designation and Serial No.
SONDAT NEGACES	drill or to deepen or reentry to a different reservoir.	/ NM 035634
Do not use this folia bir proposals to	FOR PERMIT - " for such proposes 1 P - 5 PM 2: 35	6. If Indian, Allottee or Tribe Name
CONSERVE USENAPPLICATION I	OUT ENWIN 101 3001 Programme - 2 FIL 5. 22	*
-011 00113 RECTIVED 8 52	070 FARMINGTON, NM	7. If Unit or CA, Agreement Designation
Type of Wall		
Oil Gas Other		8. Well Name and No.
: Name of Operator	Attention:	H. B. McGrady A 1 E
Amoco Production Company	Lois Raeburn	9. API Well No.
3. Address and Telephone No.	· · · · · · · · · · · · · · · · · · ·	3004526095
P.O. Box 800, Denver, Colorado 8020	1	10. Field and Pool, or Exploratory Area
1. Location of Well (Footage, Sec., T., R., M., or Survey De	scription)	Basin Dakota
1000 5141 1000 5141	C 14 T 27N D 12N/	11. County or Parish, State
1000 FNL 1000 FWL	Sec. 14 T 27N R 12W	San Juan New Mexico
2 CHECK APPROPRIATE BOX	((s) TO INDICATE NATURE OF NOTICE, REPOR	PT. OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
	Abandonment	Change of Plans
Notice of Intent	Recompletion	New Construction
Cohaman Bases	Plugging Back	Non-Routine Fracturing
Subsequent Report	Casing Repair Altering Casing	Water Shut-Off
Final Abandonment Notice	Other	Conversion to Injection Dispose Water
	(Note: Repo	ort results of multiple completion on Well Completion or on Report and Log form.)
12 Describe Proposed or Completed Operations (Clearly et al.	te all pertinent details, and give pertinent dates, including estimated date of sta	
	ical depths for all markers and zones pertinent to this work.}*	ting any proposed work . If well is directionally diffied, give
Amoco Production Company request	permission to plugback the Dakota Formation.	
See Attached Procedures		REMEMBA
See Attached Procedures		PESSIVE
		W 050 1 1 1005 B
		an 256 1 1 1990
		OIL CON. DI V.
	·	dist. 2
		ه مامنتهم معربينا السوادان

4. I hereby certify that the following is true and correct
Signed Osco Cacou Title Staff Assistant
Date 08-31-1995
his space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title SEP 0 7-1995

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, incloses in Table MANAGER'

* See Instructions on Reverse

MacGrady #A1E 10 = 6425', PBTD = 6314' Page 2 of 2

- 1. Set CIBP between 6020-6070.
- 2. Spot 100' plug above CIBP (Approx 7.6 SX)
- 3. Pressure Test Casing to 500 psi
- 4. Temp. Abandon Well.

Submit 5 Copies
Appropriate District Office
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

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

State of New Mexico Energy, Minerals and Natural Resources Department OIL COMSER Form C-104
RE See Instruction SION
at Bottom of Page

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

'90 AUG 22 AM 10 58

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION

Operator AMOCO PRODUCTION COMPA		IO INA	MOFC	JAT OIL	AND NA	OTTAL CA	Well A	NPI No. 14526095	00	
Address		20.000								
P.O. BOX 800, DENVER, Reason(s) for Filing (Check proper box) New Well Recompletion Change in Operator	Oil Casinghea	Change in		. 🗆	Othe	r (Please expla	in)			
If change of operator give name and address of previous operator										
II. DESCRIPTION OF WELL	AND LEA		In	* 1 4	<u> </u>		12:1			Na
Lease Name H B MCGRADY A		Well No. 1E	BAS	IN DAK	ng Formation OTA (PROF	RATED-GAS		of Lease Federal or Federal	_	ease No.
Location P Unit LetterP	_ : :	1000	. Feet Fro	om The	FSL Line	and	000 Fe	et From The	FEL	Line
Section 14 Townshi	271	N	Range	12W	, NN	IPM,	SAN	JUAN		County
III. DESIGNATION OF TRAN Name of Authorized Transporter of Oil MERIDIAN OIL INC. Name of Authorized Transporter of Casing EL PASO NATURAL GAS CO If well produces oil or liquids, give location of tanks.	chead Gas	or Conden	sate	D NATU Gas X Rge.	Address (Give 3535 EA Address (Give	e address to wh AST 30TH e address to wh OX 1492, o connected?	STREET	FARMIN copy of this f	GTON, CO Form is to be se	87401
If this production is commingled with that IV. COMPLETION DATA	from any oth	er lease or	pool, giv	e commingl	ing order numb	er:				
Designate Type of Completion	- (X)	Oil Well	0	ias Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Comp	ol. Ready to	Prod.		Total Depth			P.B.T.D.	·	
Elevations (DF, RKB, RT, GR, etc.)	Name of Pr	roducing Fo	rmation		Top Oil/Gas P	ay		Tubing Dep	th	
Perforations	L							Depth Casin	g Shoe	
HOLESUS		UBING,			CEMENTIN	NG RECOR	D	!	SACKS CEMI	ENIT
HOLE SIZE	- CA	SING & TC	DING 3	125		DEFIN SET		<u>`</u>	SACKS CLIVII	
V. TEST DATA AND REQUES OIL WELL (Test must be after r.				il and must	h	averal top alle	wahla for thi	a doubt or he	for full 24 hou	1
Date First New Oil Run To Tank	Date of Te		oj 10da o	u ana musi		thod (Flow, pu	mp gas diff.			/s.j
Length of Test	Tubing Pre	ssure			Casing Pressu	re		Choke Size		}
Actual Prod. During Test	Oil - Bbls.				Water - Bbls.		JU	eas-MCF	-	
GAS WELL	l				l		OF.	CON.	DIAN	
Actual Prod. Test - MCF/D	Length of	l'est			Bbls. Condens	ac/MMCF)a	Gravity of C	Condensate	
Testing Method (pitot, back pr.)	Tubing Pre	ssure (Shut	-in)		Casing Pressu	re (Shut-in)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Choke Size		`
VI. OPERATOR CERTIFIC I hereby certify that the rules and regular Division have been complied with and is true and complete to the best of my large.	ntions of the	Oil Conser- mation give	vation			OIL CON		ATION	DIVISIC	N
D. I. Shley						Approved	J	L 2 19	90	
	f Admin	n. Supe		or	By		(بندة	d		
Printed Name <u>June 25, 1990</u> Date			Title 330-4: phone No		Title_			SOR DIST	TRICT #3	B
	ليكال كيا								5 9 45 45 46	an engan.

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 changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

ENERGY, AND MINERALS DEPARTMENT Form C-104 Revised 10-01-78 Formal 06-01-83 DISTRIBUTION OIL CONSERVATION DIVISION Page 1 ----P. O. BOX 2088 FILE SANTA FE, NEW MEXICO 87501 U. S.O.A. LAMD OFFICE REQUEST FOR ALLDWABLE AND ---AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS Amoco Production Company 87401 501 Airport Drive, Farmington, NM Resson(s) for filing (Check proper box) Other (Please explain) FEB 1 9 1985 X Ham A411 Dry Cos OIL CON. DIV. DIST. 9 If change of ownership give name and address of previous owner_ II. DESCRIPTION OF WELL AND LEASE Well No. | Pool Name, Including Formation Kind of Lease Sime, Federal or Fee Federal H.B. McGrady "A" Basin Dakota 1000 Feet From The South 1000 East Line of Section Township 27N 12W San Juan NMPM III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS or Condensate Name of Authorized Transporter of Oil Address (Give address to which approved copy of this form is to be sent) Paradon Lie. Permian Corporation Box 1702. Farmington, NM of Dry Gas 🔽 Name of Authorized Transporter of Castaghed Gas Address (Give address to which approved copy of this form is to be sent) 87499 P.O. Box 990, Farmington, NM <u>El Paso Natural Gas</u> le gas actually connected? If well produces oil or liquida, give location of tanks. 27N: 12W 1 11 No If this production is commingled with that from any other lesse or pool, give commingling order numbers NOTE: Complete Parts IV and V on reverse side if necessary. OIL CONSERVATION DIVISION 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

(Signature)

(Tule)

(Date)

my knowledge and belief.

District

Original Signed By

D.D. Lawson

Administrative Supervisor

2/6/85

J-28-85 Approved	FEB 28 1985
 BY	Original Signed by FRANK T. CHAVEZ

1 man No NM-03563

County

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

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

SUPERVISOR DISTRICT # 3

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

Fill out only Sections L. II. III, and VI for changes of owner, il 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.

POST OFFICE BOX 990 FARMINGTON, NEW MEXICO





NOTICE OF GAS CONNECTION

DATE ____April 15, 1985

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF

GAS FROM Amoco Production Co.	H. B. McGrady A #1	- E
Operator	Well N	lame
95-226-01 73899-51	Р	14-27-12
Meter Code Site Code	Well Unit	S-T-R
Basin Dakota	El Paso Natural Ga	s Company
Pool	Name of	Purchaser
WAS MADE ON March 28, 1985	FIRST DELIVERYA	pril 8, 1985
Date		Date
AOF5,156		
CHOKE 4,383		
		atural Gas Company
DY5	Purchaser	Stans
Pyr	Representative	
	Title	

cc: Operator Farmington
Oil Conservation Commission — 2
ProxitionXXXXXXXXII Paso Production Control Lease Development
Fontract Administration

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

es tastes are		$\overline{\cdot}$			
DISTRIBUTE	DISTRIBUTION				
BANTA PE					
FILE					
U.1.G.4.					
LAND OFFICE					
TRAMSPORTER	OIL				
	DAS				
PERATOR					
PRORATION OF	ICE				

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

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.	The first term of the first te
Operand	
Amoco Production Company	the state of the s
Address	
501 Airport Drive, Farmington, NM 87401	TO ART THE STATE OF THE STATE O
L	
Reeson(s) for filing (Check proper box)	Other (Please expland) L W =
New Well Change in Transporter of:	
Recompletion OII Dr	y Gas EER 1 9 1985
Change in Ownership Casinghead Gas Ca	andematte
	au con div
If change of ownership give name	OIL COLUMNIA
and address of previous owner	DIST. 3
II. DESCRIPTION OF WELL AND LEASE	
Lease Name Well No. Pool Name, Including F	
H.B. McGrady "A" 1E Basin Dakot	a Stone, Federal or Fee Federal NM-0356
Location	
P 1000 - South	1000 Eact
Unit Letter P : 1000 Feet From The South Lin	• and 1000 Feet From The East
Line of Section 14 Township 27N Ronge	12W , NMPM, San Juan County
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL	GAS
Name of Authorized Transporter of OII or Condensate	Address (Give address to which approved copy of this form is to be sent)
Permian Corporation	D.O. Day 1702 Farmington NM 971100
Name of Authorized Transporter of Casinghead Gas or Dry Gas 🔯	P.O. Box 1702, Farmington, NM 87499 Address (Give address to which approved copy of this form is to be sent)
,	1
El Paso Natural Gas	P.O. Box 990, Farmington, NM 87499
If well produces oil or liquids, Unit Sec. Twp. Rqs.	Is gas actually connected? When
give location of tanks. P 14 27N; 12W	No No
If this production is commingled with that from any other lease or pool,	give commingling order number
If this production is commissible with their any other reason poor,	Erre committeette order manber.
NOTE: Complete Parts IV and V on reverse side if necessary.	·
VI. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISION
	2-28-85 100F
I hereby certify that the rules and regulations of the Oil Conservation Division have	APPROVED 1885
been complied with and that the information given is true and complete to the best of	
my knowledge and belief.	BY
_	O SUPERVISOR DISTRICT # 3
1	TITLE
$\sum \sum_{i=1}^{n} \sum_{i=1}^{n} x_i x_i = 1$	This form is to be filed in compliance with RULE 1104.
DD Hamoon ex	If this is a request for allowable for a newly drilled or deepens
District (Signature)	well, this form must be accompanied by a tabulation of the deviation
Administrative Supervisor	tests taken on the well in accordance with RULE 111.
The	All sections of this form must be filled out completely for allow
2/6/85	able on new and recompleted wells.
	Fill out only Sections L. H. III, and VI for changes of owner
(Date)	well name or number, or transporter, or other such change of condition
•	Separate Forms C-104 must be filed for each pool in multiple
'	1 completed wells.

70 33 1

		OH Mell	Gas Well	New Well	Workeyer	Deepen	Plug Book	Same Resty.	DUL R
Designate Type of Complete	ion — (X)	***	1 X	X		1	1	1	1
Dare Spudded	Date Compl.	Date Compl. Ready to Prod.		Total Dept	<u></u> b	<u> </u>	P.B.T.D.		·
12/17/84	1/	17/85		64	25'		6314'		
Descritore (DF, RKB, RT, GR, etc.)	Name of Pro	ducing Form	ortica	Top OU/G	os Pay		Tuhing Depth		
6036' GR	Dako	Dakota		61	76'		62	2721	
ne resultant							Depth Cass	ng Shoo	
6196'-6176', 6	248'-6218'						61	424'	
		TUBING,	CASING, AN	D CEMENT	NG RECOR	D			
HOLE SIZE	CASIN	G. & TUBIL	IG SIZE		DEPTH SE	т	SA	CXS CEME	NT
12-1/4"	8-5/8	3", 24#			2'		271 c.	.f.	
7-7/8"	4-1/2		#	642	14!		2693 C	. f .	
	2-3/	011		1 627	n I				تعندج
	2-3/	0		627				1499	
	1 2-37	<u> </u>		627.					
. TEST DATA AND REQUEST	<u> L</u>	WABLE (7	eat must be a	after recovery		ne of load of	l and must be o		
OIL WELL	<u> L</u>	WABLE (7	est must be a ble for this d	afser recovery epsk or be for	of socal volu) ·		qual to or exe	
OIL WELL One First New Oil Run To Tonks	FOR ALLO	WABLE (7	est must be a ble for this d	afser recovery epsk or be for	of total voluments of total voluments of the following of) ·		qual to or exp	ees top
OIL WELL One First New Oil Run To Tonks	FOR ALLO	WABLE (7	est must be o ble for this d	after recovery	of total voluments of total voluments of total voluments of the voluments) ·	lift, ste.j	qual to or exp	ees top
OIL WELL Case First New Oil Run To Tanks Cogth of Test Grand Prod. During Test	Tubing Pres	WABLE (7	eat must be o ble for this d	epik or be for Producing Cosing Pre	of total voluments of total voluments of total voluments of the voluments) ·	Choke Size	qual to or exp	ees top
OIL WELL Case First New Oil Run To Tanks Longth of Test Grand Prod. During Test AS WELL	Tubing Pres	WABLE (7	est must be o ble for this d	efter recovery epth or be for Producing Coming Pre	of total voluments of total voluments of total voluments of the total voluments of the total voluments of to	, pump, gas	Choke Size	qual 10 or exp	top
OIL WELL one First New Oil Run To Tonks ongth of Test onucl Prod. During Test AS WELL	Tuhing President Cities Bhiss.	WABLE (7	est must be o	efter recovery epth or be for Producing Coming Pre	of total voluments of total voluments of total voluments of the voluments	, pump, gas	Choke Size	qual to or exp	eee top
AS WELL Actual Prod. Test-MCF/D 75-85- 435-3 Testing Method (pitct, back pr.)	Tuhing President Cities Bhiss.	WABLE (7	ble for this d	epth or be for Producing Coming Pre Worter-Bhi	of total voluments of total volu	, pump, gas	Choke Size	qual to or exp	ed top

Form 3160-4 (November 1983) (No (f

Form approved. Budget Bureau No. 1004-0:37

(November 1983) (formerly 9-330)		U١	VITED	STA	ΓES	SUBM	IT IN	DUPLIC	ATE* other b	Expires		ust 31, 1985
			_			TERIØF	₹	struc	tions o	n	IGNAT	IUN AND SERIAL NO.
	Bl	JREAU	OF LA	ND MAN	AGEME	NT /				NM-03	2563	lı .
WELL CO	MPLETION	1 OR	RECO	MPLET	ON I	REPORT	AN	D LO	G.*	6. IF INDIAN.	ALI.01	TTEE OR TRIBE NAME
1a. TYPE OF WEL		ELAL	GAS WELL	X D	uv 🗌	Other		NGTON D		7. UNIT AGRE	EMENT	NAME
b. TYPE OF COM					_		FE	B 26 1	925	Ц		
WELL WELL	OVER L E		PITG BACK	DIFF	en.	Other	05			FARM OR I	EANE	NAME
2. NAME OF OPERAT	ron						DAS			HABA A	۸cGı	rady "A"
Amoco Pro	duction C	ompa	ny				NOF). WELL NO.	1E	·
501 Airpor	rt Drive,	Farmi	ington	, NM accordance	87401	y State requi	DDS	(4) •		= 11	POOL	L, OR WILDCAT
At surface	1000' FSL				RE	CELL	Ψ_	ED				OR BLOCK AND SURVEY
At top prod. Int		elow	Same	· L.,	F	FEB 194	985			OR AREA		
At total depth	Same					L		GEMEN	τ.	SE/SE S	ec.	14, T27N, R12
				14. 75	REAU	OF LAND M	JURC	ESAREA	" ——	12. COUNTY O		13. STATE
										San Ju	an	NM
15. DATE SPUDDED	16. DATE T.D.	REACHED	17. DAT	E COMPL.	Ready t	o prod.) 18	. ELEV	ATIONS (I	OF, RKB	, RT, GR, ETC.)*	19. z	CLEV. CASINGHEAD
12/17/84	12/28/			1/17/8				60491)36' GR
20. TOTAL DEPTH, MD	A TVD 21. PL	UG, BACK	T.D., MD &	TVD 22	. IF MUL HOW M	TIPLE COMPL.	•	23. INT	ERVALS LLED BY	<i>t</i> ,	1	CABLE TOOLS
64251 24. PRODUCING INTER	RVAL(S). OF THE	6314 S COMPLI		P, BOTTOM,	NAME ()	Single		<u> </u>		l O-TD		SURVEY MADE
6176'-6	248' Dako	ta										Yes
26. TYPE ELECTRIC	ND OTHER LOGS	RUN									27. W	AS WELL CORED
DIL-SP-GI	R-FDC-CN	L-GR	\								_	No
28.						ort all strings	s set i					
CASING SIZE	WEIGHT, LB].	DEPTH SE			LE SIZE				G RECORD		AMOUNT PULLED
8-5/8"	24#,		322			1/4"		c.f.				
<u>4-1/2"</u>	10.5#, K	-55	6424	<u>-</u>	/-	7/8"				v/118 c.f.		anic 50:50 poz
	-		-									nic 65:35 poz.
29.	<u> </u>	LINER	RECORD				1	30.		TUBING RECO		
SIZE	TOP (MD)	вотто	M (MD)	SACKS CE	MENT*	SCREEN (M	D)	SIZE		DEPTH SET (MI)	PACKER SET (MD)
		l						2-3/8	!	6272'		
31. PERFORATION REC	corp (Internal	ize and	mumber)			<u> </u>						
	,		•			32.				MOUNT AND KINE		
6196'-6176', total of 200		18', 4	ı ıspı,	.43",		6176'-6			l			uality foam &
total 01 200	noies.					01/0	J240			,000# 20-4		
									1			
												
33.* DATE FIRST PRODUCTI	ION PROI	UCTION	METHOD (Florning as		DUCTION umping—size	and to	une of au				8 (Producing or
2/4/85		_	lowing		, , p.	umpiny—#126	unu +;	уре ој риг	n.p.,	shut	in)	Shut-in
DATE OF TEST	HOURS TESTED	СН	OKE SIZE	PROD'N TEST		OIL-BBL.		GAS-M	CF.	WATER-BBL.	\neg	GAS-OIL RATIO
2/5/85 FLOW. TUBING PRESS.	3	- I	.75"			<u> </u>		548				
	CASING PRESSU	24	LCULATED -HOUR RAT	r ohe	ВГ	GAS-		1	WATE	RHBL.	OIL G	RAVITY-API (CORR.)
354 psig	792 psic		ented, etc.)		<u> </u>	2 8 10 6	383	<u> </u>		TEST WITNES	SED B	T
To be so	ld				5 W	5	3))		J.J. Ba	rne	tt
35. LIST OF ATTACHN	ENTS			5d 33	EDO	0.100=		ij.		ACCEPTE	D F(OR RECORD
None 36. I bereby certify;	chian chie Livern	aria Alli.	attached I		FEB 2	,000	ect an	determin	ed from	n all available re		
	B. D. Sha			Oil	CO	N. DIV	/_	_		FEE	3 2	0 -1985 7 -198 5
SIGNED				TII	DIS	T. 3		Super	VISO			
•	*(Se	e Instru	ictions a	nd Space	s for A	ddifional [Data	on Reve	rse Si	ide) FARWINGI	OTT K	ESOUNCE AREA

Fitle 18 U.S.C. Section 1001, makes it a crime for any perturbation and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

180' 393' 1185' 1594' 1594' 1783' 3165' 3366' 34025' 4025' 6051' 6208' 6208' 6430'		202	1				
amo 180' 333' hd 1185' 1594' lifs 1594' 1783' use 3366' 4025' e 4025' 4026' orn 6051' 6208' 6208' 6430'	FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TOP	ď
iffs 1594 1783 1594 1783 1866 1894 1783 1866 1894 1783 1866 1894 1896 1896 1896 1896 1896 1896 1896 1896	Ojo Alamo	180'	393'		NAME	MEAS, DEPTH	TRUE VERT, DEPTH
use 3165' 1783' use 3366' 4025' skout 4025' 4250' orn 6051' 6208' 6208' 6430'	Fruitland	1185	1594'				
ase 3366' 4025' blout 4025' 4250' crn 6051' 6208' crn 6430' crn 6430'	Pic. Cliffs	1594	1783'				
orn 6051' 6208' orn 6051' 6208' 6208' 6430'	Cliffhouse	3165'	3366'		# *** *** *** *** *** *** *** *** *** **	•	
orn 6051' 6051' 6150' orn 6051' 6208' 6430' 6208' 6430'	Menefee	3366'	40251			Ą	
6208' 6430'	Pt. Lookout	4025	4250'			**************************************	
6208' 6430' 6430'	Gallup	5282	6051			3:8	
6208* 6430*	Greenhorn	6051	62081			837	
	Dakota	6208	6430	· · · · · · · · · · · · · · · · · · ·		-	
			,				
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				:			•
							,
	٠						

Checked By: B

Approved by Division

Conducted By:

J.J. Barnett

Form C-122

P. O. BOX 2088 ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501 MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL Type Tost Test Date FEB 1 4 1985 X Initial Annual X Special 2/5/85 dit CON. DIV. Connection Amoco Production Company El Paso Natural Gas Company Pool Formation Dakota Basin Completion Date Total Depth Plug Back TD Elevation Furm or Lease Name 1/17/85 6424 6314 6036 GR H.B. McGrady "A" Csq. Size Set At Perforations: Well No. From 6176 4.500 10.5 4.052 6424 6248 Tho. Size Perforations: Twp. Russ From 1.995 open ended 12 Type Well - Single - Bradenhead - G.G. or G.O. Multiple Packer Set At County None single <u>San Juan</u> Reservoir Temp. *F Mean Annual Temp. *F | Baro. Press. - P. Froducing Thru tubing New Mexico L Ga % CO, % N 2 % H2S Provet Meter Run FLOW DATA TUBING DATA CASING DATA Duration Prover Orlice Press. Diff. oſ Temp. Ргсвв. Temp. Press. Temp. NO. Line Size Size p.s.1.g. hw p.s.i.g. •F p.s.i.g. Flow 12 days 1760 1810 2375 750 3 hrs 354 792 2. 3. 4. RATE OF FLOW CALCULATIONS Flow Temp. Gravity Super Coefficient Pressure Rate of Flow $\sqrt{h_{w}P_{m}}$ Factor Compress. Factor NO. (24 Hour) Q. Meld F۱. Fq Factor, Fpv 1 12.365 366 1,000 9258 1.046 4383 2. 3 4. 5. Gas Liquid Hydrocarbon Ratio . __ Mct/bbl. Temp. *R T_{i} NO A.P.I. Gravity of Liquid Hydrocarbons .. 1 Specific Gravity Separator Gas 2. Specific Gravity Flowing Fluid XXXXX 3. Critical Pressure _ 4 Critical Temperature ___ 5 Pc2 3319684 P 1822 $\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} (1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.2418}{1.1764} (2) \left[\frac{P_c^2}{P_c^2 - P_c^2} \right]^n = \frac{1.1764}{1.1764}$ พดั $P_{\mathbf{w}}^{2}$ 804 646416 2673268 2 AOF = Q $\left[\frac{v_c^2}{R^2 - R^2} \right]^n = \frac{5156}{}$ 3 4 5 5156 Absolute Open Flow _ __ McId # 15.025 Angle of Slope A Slope, n. Lite H₁O, med. oil, flared

Calculated By:

J.J. Barnett

Form 3160-5 (November 1983)	UNITED STAT		SUBMIT IN TRIPLICATION ON	Expires August	
,	RTMENT OF THE		verse adde)	5. LEASE DESIGNATION	AND SERIAL NO.
BU	REAU OF LAND MAN	AGEMENT		NM-035634	
SUNDRY N (Do not use this form for p Use "API	OTICES AND REI	PORTS ON ben or plug back to "for such proposes	WELLS to a different reservoir.	6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
OIL GAS X OTE				7. UNIT AGREEMENT NA	ME
2. NAME OF OPERATOR				8. FARM OR LEASE NAM	(E
Amoco Production Co	ກາວການ			H.B. McGrady	"A"
3. ADDRESS OF OPERATOR	Mupatry			9. WELL NO.	
501 Airport Drive,	Farminaton NM	87//01		1E	
4. LOCATION OF WELL (Report locat	ion clearly and in accordan	ce with any State	requirements.*	10. FIELD AND POOL, O	R WILDCAT
See also space 17 below.)	00' FSL x 1000' 1		_	Basin Dakota	
100	10 12F X 1000 1	FF C		11. SEC., T., R., M., OR I	LE. AND
		JANS	2 9 1985	SURVEY OR AREA	
14 2222		IRRAH TIE LAN	NIT NAVINIA CERTERIT	SE/SE Sec. 14	, T2/N, R12W
14. PERMIT NO.	16. ELEVATIONS (SHO	ARMINGTON F	RESOURCE AREA	1	
	603	36' GR		San Juan	NM
16. Check	Appropriate Box To	Indicate Natur	e of Notice, Report, o	or Other Data	
NOTICE OF I	NTENTION TO:		\$UB(ESQUENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING		WATER SHUT-OFF	REPAIRING V	WELL
FRACTUBE TREAT	MULTIPLE COMPLETE		FRACTURE TREATMENT	ALTERING CA	ABING
SHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDIZING	ABANDONME	NT*
REPAIR WELL	CHANGE PLANS		(Other)comple	etion	
(Other)			(NOTE: Report res	ults of multiple completion expletion Report and Log for	on Mell
Moved in and rigged plugback depth is 6 the following inter total of 200 holes. 120,000# 20-40 sand	314'. Pressure vals: 6196'-617 Fraced interva	tested pro 76', 6248'-	duction casing 6218', 4 jspf,	to 3000 psi. Per .43" in diameter,	forated for a
Landed 2-3/8" tubin		released th	-		
	·			FEB 11 1985 IL CON. DIV.	n
		- 1V	O	IL CON DO	(n)
				DIST. 3	
	and the second	· 1.			
8. I hereby certify that the foregoing	g is true and correct				
SIGNED Original Signe	עט ג	Adminis	trative Supervis	sor 1/23/	85
B. D. Shaw	T	IILE		DATE 1/23/	<u> </u>
(This space for Federal or State	office use)		A	DUETTED TUX-NEG	/
A HDD OWD					
APPROVED BY		ITLE	·	FED 47 (1985	
				FARMINGTON RESGUNGE A	area
	*See li	nstructions on F	Reverse Side RY.	74	

Porm 3160-5 UNITED (November 1983) (Formerly 9-331) BUREAU OF LAN	THE INTERIOR THE det	Budget Bureau No. 1004-0135 Expires August 31, 1985 6. Lease Descenation and Serial No. NM-035634
	D REPORTS ON WELLS	6. UP SWOIGH, ALLOTTES OR TRIBE HAME
		T. UNIT LORSEMENT HAMS
WELL WELL A OTHER		& FARM OR LEAGE HAVE
Amoco Production Company		H.B. McGrady "A"
S. ADDRESS OF OPERATOR		9. WELL NO.
501 Airport Drive, Farmington	1, NM 87401	1E 10. FIELD AND POOL, OR WILDCAT
	1000' FELRECEIVED	Basin Dakota
1000 1511,	JAN 18 1995	11. SEC. T., E., M., OR SLE. AND SURVEY OR AREA
14. PREMIT NO. 15. BLEVATIO	CHOCAH OR COO CONTRACT	SE/SE Sec. 14, T27N, R12
14. PREMET NO.	6036 GR	San Juan NM
16. Ch. I. A		
	ox To Indicate Nature of Notice, Report, or C	
HOTICE OF INTENTION TO:		HERT REPORT OF:
FRACTURE TREAT MULTIPLE COM		BEPAISING WELL
EROOT OR ACIDIZE ABANDON®	PRACTURE TREATMENT	ABANDON MENT
REPAIR WELL CHANGE PLANS	(Other) spud & set	
(Other)	(Norg: Report results Completion or Recoupt	of multiple completion on Well etion Report and Log form.)
at 322' and cemented with 27 Pressure tested casing to 100 Set 4-1/2", 10.5#, K-55 casing to 100 poz and tail 1251 c.f. Pozzolanic Ideal with 500 poz and tail 1251 c.f. Pozzolanic Ideal with 500 poz and tail 1251 c.f. Pozzolanic Ideal with 500 poz and tail 1251 c.f. Pozzolanic Ideal with 500 pozzolanic	/84. Drilled to 329'. Set 8-5/8 l c.f. of Class B. Circulated ce 00 psi. Drilled a 7-7/8" hole to ng at 6424'. Stage l: cemented led in with 118 c.f. Class B Idea ith 65:35 poz. Circualted cement at 2389' and the rig was release	ement to surface. Do a TD of 6425' on 12/28/84 With 1324 c.f. Pozzolanic al. Stage 2: cemented with to surface after both
		ECENVET
	\$ £ £ \$	FEB 11 1935
		II. CON. DIV. DIST. 3
		- -
BIGMED Original Signed By Doby Lawson	District TITLE Administrative Supervisor	A A RECORD
(This space for Federal or State office use)		FEB 0 () 1985
APPROVED BY	TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:		FARMING TON RESOURCE AREA

Form, 3160—5 (November 1983) (Formerly 9—331) DEP/	UNITED ST		BUBBLIT IN TRIPLICATES (Other instructions on re-	Budget Bureau No. 1004-0135 Expires August 31, 1985 5. LEASS DESIGNATION AND SERIAL NO.
	UREAU OF LAND M		Vera Ede,	NM-035634
			VATELLO.	6. IF INDIAN, ALLOTTES OR TRIBE NAME
(Do not use this form for	NOTICES AND I proposals to drill or to PPLICATION FOR PERM	deepen or plug back t	a different reservoir.	
OIL GAR X OT	Est.	······································		7. UNIT AGREEMENT NAME
Amoco Production C	Company			8. FARM OR LEASE WAME H. B. McGrady "A"
ADDRESS OF OPERATOR				9. WELL NO.
501 Airport Drive				1E
LOCATION OF WELL (Report location space 17 below.)	ttion clearly and in accor	dance with any state	requirements.*	10. PIBLO AND POOL, OR WILDCAT
1000' FSL	X 1000' FEL		NOV 61984	Basin Dakota 11. ESC., T., E., M., OR ELE. AND SURVEY OR AREA
I. PERMIT NO.		Show whether or, at, or 036 GR	. etc.)	San Juan NM
		To Indicate Nature	of Notice, Report, or C	Other Data
NOTICE OF	INTENTION TO:		SUBSEQU	THAT REPORT OF:
TEST WATER SHUT-OFF	PCLL OR ALTER CAS	ING	WATER SHUT-OFF	REPAIRING WELL
PRACTURE TREAT	MULTIPLE COMPLET		FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON®	<u> </u>	BEOOTING OR ACIDIZING	ABANDONMENT [®]
REPAIR WELL	CHANGE PLANS		(Other)	
(Other) Notice of	Gathering Syste	em X	(NOTE: Report results	of multiple completion on Well etion Beport and Log form.)
			egade e ^e	E 1 1 E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
I hereby certify that the foregological Signed Original Signed B.D.S. (This space for Federal or State APPROVED BY CONDITIONS OF APPROVAL.	gned By haw • • • • • • • • • • • • • • • • • • •	TITLE Admin.	Supervisor	DATE NOV 26 1984 White Stand
	*See	Instructions on Re	everse Side	FARMINGTON C. BULL OF MACC

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Prom. 3160-3 November 1983) (formerly 9-331C)

SUBMIT IN TRIPLICATES

(Other instructions on reverse side)

30-045-26095

Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

UNIT	ED S	TATE	S
DEPARTMENT	OF	THE	INTERIOR

5. LEASE DESIGNATION AND SERIAL NO. BUREAU OF LAND MANAGEMENT NM-035634 6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK IA. TYPE OF WORK 7. UNIT AGREEMENT NAME DRILL 7 DEEPEN PLUG BACK b. TYPE OF WELL MULTIPLE WELL BINGLE WELL D S. FARM OR LEASE NAME 2 NAME OF OPERATOR H. B. McGrady 9. WELL NO. Amoco Production Company 3. ADDRESS OF OPERATOR 1E 501 Airport Drive, Farmington, NM 87401 10. FIELD AND POOL, OR WILDCAT 4. LOCATION OF WELL (Report location clearly and in accordance with Eny State requirements.*) Basin Dakota 1000' FSL x 1000' FEL 11. SEC., T., B., M., OR BLK. SEP 0 5 1984 At proposed prod. sone Same SE/SE Sec 14,T27N,R12W BUREAU OF LAND 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OF APRILIPATIVE! 12. COUNTY OR PARISH | 13. STATE NM San Juan 12 miles southwest of Bloomfield DISTANCE FROM PROPOSED® LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL 1120 1000' 320 (Also to nearest drig, unit line, if any). 19. PROPOSED DEPTH 18. DISTANCE FROM PROPOSED LOCATION® 20. ROTARY OR CABLE TOOLS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1 mile E Rotary 21. ELEVATIONS (Show whether DF. RT. BIRLEGAY OPERATIONS AUTHORIZED ARE 22. APPROX. DATE WORK WILL START* SUBJECT TO COMPLIANCE WITH ATTACHED 6036 GR As soon as permitted. "GENERAL PROPOSED CASING AND CEMENTING PROGRAM This action is subject to administrative appeal pursuant to 10 (LR 290. WEIGHT PER FOOT SIZE OF ROLE SIZE OF CARING SETTING DEPTH 12-1/4" 354 cu. ft. Class B 8-5/8" 24# J-55 3001 7-7/8" 4-1/2" 10.5# K-55 61701 <u>2016 cu.</u> ft. Class B (This string may be two staged but the cement types and volumes remain the same)

Amoco proposes to drill the above well to further develop the Basin Dakota reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low-solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is dedicated to El Paso Natural Gas under contract No. 56,742.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposed is to deepen or plug back, give data on present productive sone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any,

4. SIGNED	Original Signed By District D.D. Lawson District Adm. Sur	
(This space fo	or Federal or State onice uses V E	AS AMILIOLD
PERMIT NO.	SEP 2 4 1984	2Eb 5 0 1304
APPROVED BY	~ 4	7s/ J. Stan McKee!
COMBITIONS OF	DIST. 3 NMOCC	AREA MANAGER FARMINGTON RESOURCE AREA
	*See Instructions On Reve	ne Side

OIL CONSERVATION DIVISION STATE OF NEW MEXICO P. O. BOX 2088

EIJERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

form C-107 kevised 10-1

All distances must be from the cuter boundaries of the Beetlen.

Att distances must be from the cores beauties of the Jettim.							
AMOCO PRODU	CTION COMPANY	r	Lease	B. McGRADY	11 A 19		Well No.
Unit Letter	Section COPI AND	Township	Ro		County		
P	14	27N		12W	1 -	Juan	
Actual Footage Loc							
1000	feet from the	South line	• and 1000) 14	et from the	East	line
Ground Level Elev: 6036	Producing Fo Dakot		Pool Basi	n Dakota			Oddicated Acreager
 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling.etc? Yes X No If answer is "yes," type of consolidation							
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.							
	1		· · · · · · · · · · · · · · · · · · ·	i			CERTIFICATION
	} 					best of my	ertify that the information con- ein is true and complete to the knowledge and belief. Signed By
				_		Nome D.D. La	wson
	1		RECE	¦ E¦IVEI	o	Position Di	
	!		SEP (51984		Company	Production Company
	l s	ec. Bui	REAU OF LAN	ND MANAGEM	ENT	Date	31, 1984
OIL.	P2 H1984 CON. DIV	.1	14	10001	00'	shown on nates of cunder my is true as knowledge Date Survey, August Registered F	15. 198
	So	ale: 1"=1000'				Fred. 3	

Page: 1 Document Name: untitled

CMD :
OG5SECT

ONGARD

INQUIRE LAND BY SECTION

02/16/99 15:59:54

OGOMES -TPVF

PAGE NO: 1

Sec : 14 Twp : 27N Rng : 12W Section Type : NORMAL

D	C	В	A
40.00	40.00	40.00	40.00
Federal owned	 Federal owned 	 Federal owned A	 Federal owned
E	F		-
40.00	40.00	40.00	40.00
Federal owned	 Federal owned A	 Federal owned 	 Federal owned
PF01 HELP PF02	PF03 EXIT	PF04 GoTo PF05	PF06
PF07 BKWD PF08 FW		PF10 SDIV PF11	PF12
			·- <u>-</u>

Date: 2/16/99 Time: 04:02:35 PM

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CMD : OG5SECT ONGARD

INQUIRE LAND BY SECTION

02/16/99 16:00:00

OGOMES -TPVF

PAGE NO: 2

Sec : 14 Twp : 27N Rng : 12W Section Type : NORMAL

L	K	J	I
40.00	40.00	40.00	40.00
Federal owned	 Federal owned	Federal owned	 Federal owned
A			
M	N	0	P
40.00	40.00	40.00	40.00
Federal owned	 Federal owned	 Federal owned 	 Federal owned
			A
PF01 HELP PF02 PF07 BKWD PF08 F	PF03 EXIT WD PF09 PRINT	PF04 GoTo PF05 PF10 SDIV PF11	PF06 PF12

Date: 2/16/99 Time: 04:02:38 PM