MERIDIAN OIL

June 5, 1990

Certified Mail

Mr. William LeMay New Mexico Oil Conservation Division Post Office Box 2088 Santa Fe, New Mexico 87503

Case 10018

Hargrave #3 RE:

990'FSL, 1150'FEL

Section 16, T-27-N, R-10-W San Juan County, New Mexico

Dear Mr. LeMay:

This is a request for administrative approval for a non-standard gas well location in the Basin Fruitland Pool.

Meridian Oil intends to plugback and recomplete the Hargrave #3 well from the Pictured Cliffs pool to the Basin Fruitland Coal Pool. The current location of this well is 990'FSL, 1150'FEL, Section 16, T-27-N, R-10-W, San Juan County, New Mexico. The well is considered non-standard due to the NE-SW dedicated pattern established for the Basin Fruitland Coal Pool. To comply with the New Mexico Oil Conservation Division rules, Meridian is submitting the following for your approval of this non-standard location:

- C-102 plat showing location of the well; 1.
- Plat showing offset owners/operators; 2.
- Affadavit of notification of offset owners/operators; 3.
- Copy of Well Completion Log for original completion.

this application is being submitted to all owners/operators by certified mail with a request that they furnish your Santa Fe office with a Waiver of Objection, and return one copy to this office.

Sincerely yours,

Peggy Bradfield

enc1.

WAIVER

				he	ereby	waive	es ob	jectio	n to l	1eridi	an Oi	1 Inc.'s
app1 abov		for	a no	n-standard	l loca	ation	for	their	Hargr	ave #	3 as	proposed
		···			Date:		 					
xc:	Amoco	Produ	ction	Company								

Mobil Producing Texas & New Mexico

Gradhield

Hargrave #3
990'FSL, 1150'FEL
Section 16, T-27-N, R-10-W
San Juan County, New Mexico

I hereby certify that the following offset owners/operators have been mailed notification of our application for administrative approval for non-standard gas well location for the plugback and recompletion of the above well.

Amoco Production Company P.O. Box 800 Denver, CO 80201

Stadfuld

Mobil Producing Texas & New Mexico P.O. Box 5444 Denver, CO 80217 Attn: Mr. Jeff Maisch

Peggy Bradfield June 5, 1990

San Juan County State of New Mexico

My commission expires August 17, 1992

State of New Mexico Energy, Minerals and Natural Resources Department

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

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

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

DISTRICTION

WELL LOCATION AND ACREAGE DEDICATION PLAT

000 Rio Brazos Rd.,	THE STATE	All Distances r	nust be from the outer	boundaries of		1 100	- 31 B	_==
Operator Meridi	an Oil In	c.	Ha	rgrave	(SF-07738	(2)	Well No.	
Unit Letter P	Section 16	Township 27 North	Range 1.0	West		San	Juan	73.
ctual Footage Local					NMPM	Tolon -	erre orbes	
990	feet from the		SE GREAT	50	feet from the	Eas	111196	T.
Ground level Elev.		land Coal	Pool Basin				Dedicated Acreege:	
		to the subject well by col		norire on the nist	hairw.	التيجاد	320 Acr	es
3. If more unitizati	then one lease of diffice, force-pooling, etc. Yes		ed to the well, have the	commu	nitization	d by comm	eement will	
this form i	f neccessary.	the well until all interests				ced-pooling	obtaine	a
or testil a s	on-standard unit, elin	ninating such interest, has	been approved by the D	ivisios.				
dated	forto 920 (EN- FOZ Spect: 27 Bosin D. (ong.	odvetiente, can K ^{#18}		9 Fed. 1 We. 175. 890 Spust	duction de will de la societa	I hereby ined herein from income to the property of the proper	OR CERTIFICATI certify that the inj is true and complete indee and belief. Bradfield tory Affair an Oil Inc.	te to
Amoro Product Q. P. Hargenure 1770 Fre-940 Souset: 10/18/7 Fotcher Kurz (ong. no Amoro Pord. lo. R. P. Hargenure 790 FS valt Soud: 8/29/57 Briston Pokota (omp.	(42) (6. 12 (6. 13 (7.6) 14 (7.6) 15 (7.6) 16 (1.6) 17 (1.6) 18 (1.6) 18 (1.6) 18 (1.6) 18 (1.6) 18 (1.6) 18 (1.6) 18 (1.6) 18 (1.6)	ers 25/50 Folker Kots P.C. Comy, B'al; Oct. 1874 Mer 1900 12 ic Method Socia Fold	dian Oil Inc. grave Well No. 3 FSC-1150 FEC 1: 11/30/51 her Hute P.L. Comp.		l has on ti actua super corre belia Data Sign Prof	reby certify his plat we il surveye reson, and to the 5-2 Surveyed Surveyed	best of my knowle	m sh note: nder true
	Cul 2 De	tallery 111				Neal	CLIMI	ls
0 330 660	990 1320 1650	1980 2310 2640	2000 1500	1000	500 0			

MERIDIAN OIL INC.

Well Name Hargrave #3 Footage---- 990 FSL; 1150'FEL APPLICATION FOR NON-STANDARD PRORATION UNIT County San Juan State New Mexico Section 16 Township 27N Range 10W 2 2 Prepared from a plat dated 08-21-51 by C. O. Walker 3 1 REMARKS: 1) Meridian Oil Inc. 2) Amoco Production Inc. 1670 Broadway Denver, CO 80202 .3) Mobil Producing Texas & New Mexico ATTN: Mr. Jeff Maisch

PO Box 5444
Denver, CO 80217

UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICATE* (See other instructions on reverse side) Form approved. Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

	G	EOLOGIC	AL SU	RVLI					SF 077	382	• *
WELL CO	MPLETION (OR RECO	MPLET	ION F	REPORT	AN	D LO	3 *	6. IF INDIAN, A	LLOTTE	E OR TRIBE NAME
la. TYPE OF WEL	L: on	GAS WELL							7. UNIT AGREEM	MENT N	AME
b. TYPE OF COM	WELL PLETION:	WELL 5	<u></u> р	RY 📖	Other						
NEW WELL	WORK DEEP-	PLUG BACK	DIF		Other				S. FARM OR LE	ASE NA	ME
2. NAME OF OPERAT		Hargrave									
El Paso N	atural Gas (Company			•				9. WELL NO.		
. ADDRESS OF OPE	BATOR	3 (OWWO	3 (OWWO)								
Box 990,	Farmington,	New Mexi	co - 8	7401					10. FIELD AND	POOL, O	R WILDCAT
LOCATION OF WE	LL (Report location		accordance	with an	y State requi	rem en	ts)*		Fulcher		
At surface	990'S,	1150'E			•				11. SEC., I., R., OR AREA	м., ов.	BLOCK AND SURVEY
At top prod. int	erval reported below	¥							7 -	. Ψ-2	27-n, R-10-
At total depth									N.M.P.M		., .,
			14. PE	RMIT NO.		DATE	ISSUED		12. COUNTY OR	-	13. STATE
tabelenamen, in table		1 <u>21</u>							San Jua:	a	New Mexico
. DATE SPUDDED	16. DATE T.D. REA		TE COMPL.	Ready to	o prod.) 18	B. ELE	VATIONS (D	F, RKB,			V. CASINGHEAD
/0 6 -29-6 8	W/0 6-30-68	3 8	-16-68			-	60521	GL	# 4 47		
. TOTAL DEPTH, MD		BACK T.D., MD &	TVD 22	HOW M	TIPLE COMPL	••	23. INTE	RVALS	ROTARY TOOLS		CABLE TOOLS
801		L974'						→	0-198 0'		·
. PRODUCING INTER	EVAL(S), OF THIS CO	MPLETION—TO	P, BOTTOM,	NAME (M	ID AND TVD)	•			1 4	25. ¥	VAS DIRECTIONAL URVEY MADE
1.970	801 (Diam)	6146	۸ ـ ۸						· .		,
	- 82' (Pictu		EB)						1 22	7 W A SI	WELL CORED
ES, Temp		, and a second									No
. ·		CAS	ING RECC	RD (Ren	ort all string	a set i	n mell)		<u>-</u>	_	-310
CASING BIZE	WEIGHT, LB./FT				LE SIZE	1		ENTING	RECORD	A	MOUNT PULLED
8 5/8"	28#	114	•	12 1	/4"	60	Sks.			_ _	
5 9/16"	14.65#	1871	1	.!	//8"	100	Sks.				
2 7/8"	6.4#	1980	7	4 3	3/4"	100	Sks.				
<u> </u>											
).	LI	NER RECORD)				30.		TUBING RECOR	D	
	TOP (Mp)	BOTTOM (MD)	SACKS CI	SMENT*	SCREEN (M	(D)	SIZE	_	DEPTH SET (MD)		ACKER SET (MD)
SIZE			-				Tuoing	тева	Completion	<u>a</u>	
SIZE			1								
	CORD (Interval. size	and number)	<u> </u>			A.C	TD SHOT	EDAC	TIPE CEMENT C	OHER	7 E TOUT C
	CORD (Interval, size	and number)	· · · · · · · · · · · · · · · · · · ·		32.				TURE, CEMENT S		
. PERFORATION REC	,	·	:		DEPTH IN	TERVA	L (MD)	A	MOUNT AND KIND	OF MAT	ERIAL USED
l. PERPORATION REC	ord (Interval, size	·	<u>:</u>			TERVA	L (MD)	A	· · · · · · · · · · · · · · · · · · ·	OF MAT	ERIAL USED
. PERFORATION REC	,	·	<u> </u>		DEPTH IN	TERVA	L (MD)	A	MOUNT AND KIND	OF MAT	ERIAL USED
1. PERFORATION REC	,	·			DEPTH IN	TERVA	L (MD)	A	MOUNT AND KIND	OF MAT	TERIAL USED
1. PERFORATION REC 1870 - 82	'w/48 Shots	3			DUCTION	188 188	35 r (md)	20,	MOUNT AND KIND 580 gal. wa	of MAT	erial used 7000 77 s
1870 - 82	'w/48 Shots	TION METHOD (DUCTION	188 188	35 r (md)	20,	MOUNT AND KIND 580 gal. wa	of MAT	Producing or
1870 - 82	• w/48 Shots	TION METHOD (ng	as lift, pi	DUCTION umping—size	188 188	L (MD)	20 ,	580 gal. we well st	ATUS (A	Producing or
1870 - 82	on PRODUCT	TION METHOD (Flowing Choke Size	PROD'I		DUCTION	188 188	35 r (md)	20 ,	MOUNT AND KIND 580 gal. was	ATUS (A	Producing or
1870 - 82 3.* TE FIRST PRODUCT ATE OF TEST 8-16-68	• w/48 Shots	TION METHOD (PROD'I	as lift, pu	DUCTION umping—size	188	L (MD)	20 ,	MOUNT AND KIND 580 gal. WE WELL ST -shut-ii	ATUS (A	Producing or
1870 - 82 3.* TE FIRST PRODUCT WIE OF TEST 8-16-68	on PRODUCT HOURS TESTED CASING PRESSURE	Flowing CHOKE SIZE 3/4"	PROD'I	as lift, pu	DUCTION umping—size	188 and t	Vec of pun	20,	MOUNT AND KIND 580 gal. WE WELL ST -shut-ii	ATUS (A	Producing or
1870 - 82 1870 - 82 3.* TE FIRST PRODUCT ATE OF TEST 8-16-68 OW. TUBING PRESS.	on PRODUCT	CHOKE SIZE 3/4" CALCULATED 24-HOUR RAT	PROD'I	as lift, pu	DUCTION umping—size	188 and t	L (MD)	20,	MOUNT AND KIND 580 gal. WE WELL ST -shut-ii	ATUS (An) Sh	Producing or
1870 - 82 3.* THE FIRST PRODUCT ATE OF TEST 8-16-68 OW. TUBING PRESS.	W/48 Shots FRODUCT HOURS TESTED 3 CASING PRESSURE SI 449	CHOKE SIZE 3/4" CALCULATED 24-HOUR RAT	PROD'I	as lift, pu	DUCTION umping—size	188 and t	Vec of pun	20,	WELL ST - shut-is WATER-BBL. O	ATUS (ARAY GAS BY	Producing or Rat In S-OIL BATIO
1870 - 82 3.* THE FIRST PRODUCT ATE OF TEST 8-16-68 OW. TUBING PRESS.	ION PRODUCT HOURS TESTED 3 CASING PRESSURE SI 449 AS (Sold, used for fu	CHOKE SIZE 3/4" CALCULATED 24-HOUR RAT	PROD'I	as lift, pu	DUCTION umping—size	188 and t	Vec of pun	20,	WELL ST Shut-in BEL. O	ATUS (ARAY GAS BY	Producing or RITY-API (CORR.)
1870 - 82 1870 - 82 TE FIRST PRODUCT TE OF TEST 8-16-68 OW. TUBING PRESS. DISPOSITION OF G	ion PRODUCT HOURS TESTED 3 CASING PRESSURE SI 449 AS (Sold, used for fu	CHOKE SIZE 3/4" CALCULATED 24-HOUR RAT vel, vented, etc.	PROD'I TEST OIL—)	as lift, pr	DEPTH IN 1870 - DUCTION umping—size OIL—BBL. GAS— SI	and t	ype of pun GAS—MO	20,	WELL ST ehut-is WATER—BBL. D. R. RO	ATUS (An) Shart GAAV	Producing or Rat In S-OIL BATIO
1870 - 82 3.* TE FIRST PRODUCT TE OF TEST 8-16-68 OW. TUBING PRESS. DISPOSITION OF G	ION PRODUCT HOURS TESTED 3 CASING PRESSURE SI 449 AS (Sold, used for fu	CHOKE SIZE 3/4" CALCULATED 24-HOUR RAT vel, vented, etc.	PROD'I TEST OIL—)	as lift, pr	DEPTH IN 1870 - DUCTION umping—size OIL—BBL. GAS— SI	and t	ype of pun GAS—MO	20,	WELL ST ehut-is WATER—BBL. D. R. RO	ATUS (An) Shart GAAV	Producing or Rat In S-OIL BATIO ITY-API (CORR.)

MERIDIAN OIL

June 5, 1990

Certified Mail

Mr. William LeMay New Mexico Oil Conservation Division Post Office Box 2088 Santa Fe, New Mexico 87503 Case 10018

RE: Hargrave #3

990'FSL, 1150'FEL

Section 16, T-27-N, R-10-W San Juan County, New Mexico

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- Plat showing offset owners/operators;
- 3. Affadavit of notification of offset owners/operators;
- 4. Copy of Well Completion Log for original completion.

A copy of this application is being submitted to all offset owners/operators by certified mail with a request that they furnish your Santa Fe office with a Waiver of Objection, and return one copy to this office.

Sincerely yours,

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Peggy Bradfield

enc1.

WAIVER

					hereby wa						
app1 abov		for	a i	non-stand	lard locat	on fo	r their	Hargrav	re #3 a	as pi	roposed
By:					_ Date: _						
xc:	Amoco	Produ	cti	on Compai	ıy						
	Mobil	Produc	cin	g Texas 8	New Mexic	0					

Hargrave #3
990'FSL, 1150'FEL
Section 16, T-27-N, R-10-W
San Juan County, New Mexico

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Amoco Production Company P.O. Box 800 Denver, CO 80201

Mobil Producing Texas & New Mexico P.O. Box 5444 Denver, CO 80217 Attn: Mr. Jeff Maisch

Peggy Bradfield June 5, 1990

San Juan County State of New Mexico

My commission expires August 17, 1992

Schemit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-29

<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe. New Mexico 87504-2088 DISTRICT II P.O. Drawer OD, Artesia, NM 84210 DISTRICT.III
1000 Rio Besses Rd., Aziec, NM 87410 WELL LOCATION AND ACREAGE DEDICATION PLAT All Distances must be from the outer boundaries of the section Well No. (SF-077382) Meridian Oil Inc. Hargrave Unit Later Reage County lá 27 North 10 West San Juan NMPM. Actual Footage Location of Well: 990 South East time 1150 line and feet from the 6153' Fruitland Coal Basin 320 Acres are dedicated to the subject well by existed practs or because marks on the pist below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working manual and royalty). 3. If store than one least of different ownership is dedicated to the well, have the interest of all owners been contributed by communication. If server is "yes" type of consolidation communitization agreement will b No Yes contions which have assembly been econolidered. (Use reverse ade of obtained igned to the wed until All interests have been consciidated (by con izztica, patrizatica, forced-poching, or otherwise) at, has been approved by the Division. OPERATOR CERTIFICATION I hereby certify that the inform Prepared from a plat dated 08-21-51 by et of my incutadge and belief. C. O. Walker Peggy Bradfield Regulatory Affairs Meridian Oil Inc. Deta SURVEYOR CERTIFICATION correct to the best of my knowledge an 5-23-90 1150 685

1500

2000

330 660 990 1320 1650 1980 2310 2640

MERIDIAN OIL INC.

٠	Well Name	Hargrave #3			·		
		990 FSL;	1150'FEL				
	J	APPLICATION		STANDARD PR	ORATION UN	IT	
County	San Juan	_ StateNew Mex	ico	Section 16	Township	27N Runge 10)W
				1			
		2				2	
1	,	,	ymmi	ummin	uuuudu	<u> </u>	
	Prepared f dated 08-2 C. O. Walk						
				0 , , , , , , , , , , , , , , , , , , ,			
		1		1		2	
REMARKS:	l) Meridian	Oil Inc.				·	 .
	2) Amoco Pro 1670 Broa						_
•	Denver, C						_
-		ducing Texas &	New Mexic	0			-
		Jeff Maisch		·	·		-
	PO Box 54 Denver, C				<u> </u>		-

ia. TYPE OF WELL:

2. NAME OF OPERATOR

At total depth

15. DATE SPUDDED

20. TOTAL DEPTH, MD & TVD

b. TYPE OF COMPLETION:

3. ADDRESS OF OPERATOR

El Paso Natural Gas Company

At top prod. interval reported below

W/016-29-68 W/0 6-30-68

26. TYPE ELECTRIC AND OTHER LOGS BUN ES, Temp. Survey

Box 990, Farmington, New Mexico - 87401

990'S, 1150'E

UNITED STATES

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

WELL X

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

16. DATE T.D. REACHED | 17. DATE COMPL. (Ready to prod.)

21. PLUG, BACK T.D., MD & TVD

1974' 24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*

1870 - 82' (Pictured Cliffs)

8-16-68

SUBMIT IN DUPLICALE

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Other

Other

DUPLICA.E* (See other in-	Budget	approved. Bureau No. 42–R355.5.					
structions on	l	TION AND SERIAL NO.					
reverse side)	SF 07738						
LOG*	6. IF INDIAN, ALLC	TTEE OR TRIBE NAME					
	7. UNIT AGREEMEN	T NAME					
	F- 1	. ±					
	S. FARM OR LEASE	NAME					
	Hargrave	• • • •					
	9. WELL NO.						
	3 (OWWO)	•					
	10. FIELD AND POO	L, OR WILDCAT					
e) *	Fulcher Ki	utz:P. C.					
	11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA						
	Sec. 16, T-27-N, R-10-W						
	N.M.P.M.						
ISSUED	12. COUNTY OR PARISH	13. STATE					
	San Juan	New Mexico					
ATIONS (DF, REB,	RT, GR, ETC.)* - 19.	ELEV. CARINGHEAD					
6052'GL	- ·	•					
23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS					
	- 0-198 0'	-					
	2	5. WAS DIRECTIONAL SURVEY MADE					
	·.·	No ·					
	27. ▼	VAS WELL CORED					
		No					
snell)							
CEMENTING	RECORD	AMOUNT PULLED					
Sks.							
Sks.							
Sks.							
30.	TUBING RECORD						
SIZE	DEPTH MET (MD)	PACKER SET (MD)					
hihingless	Completion						

28. CASING RECORD (Report all strings set in well) CASING SIZE WEIGHT, LB./FT. DEPTH SET (MD) 8 5/8" 28# 12 1/4" 114' 60 Sks. 5 9/16 14.65# 7/8° 1871 100 Sks. 2 7/8 6.4# 1980 100 Sks. LINER RECORD 29. 30. SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE Tubingle 31. PERFORATION RECORD (Interval, size and number) ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

22. IF MULTIPLE COMPL.,

1870 - 82' w/48 Shots

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 1870 - 1882 20,580 gal. water, 20,000 sand

33.•			PRO	<u>.</u>			
DATE FIRST PRODUCT	ION PRODUCT	Flowing		umping—size and t	ype of pump)		us-in) Shut In
8-16-68	HOURS TESTED	3/4"	PROD'N. FOR TEST PERIOD	OILBBL.	GAS-MCF.	WATER—BE	SL. GAS-OIL RATIO
FLOW. TUBING PRESS.	SI 449	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF. SI 495	WATER-	—BBL.	OIL GRAVITY-API (CORR.)
34. DISPOSITION OF G	AS (Sold, used for fu	el, vented, etc.)		-		D. R.	

35. LIST OF ATTACHMENTS

36. I hereby certify	original signed by	ed information is co	omplete and correct as determined	from all available records
SIGNED	Carl E. Matthews	TITLE	Petroleum Engineer	DATE 8-21-68