Denver/Colorado • Carlsbad/New Mexico

August 24, 1998

State of New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505

Attn: Mr. Mike Stogner

Re:

Jicarilla 458 No. 3

1815' FNL, 230' FEL (SE NE) Unit H

Sec. 7, T30N-R03W Rio Arriba County, NM

Dear Mr. Stogner:

Mallon Oil Company received a Non Standard Location approval (NSL-2377) for the Pictured Cliffs formation.

In December 1997 Mallon Oil Company completed the well into the Cabresto Canyon; Ojo Alamo Extension formation which is also a non standard location.

Mallon Oil Company would like to apply for Non Standard Location approval for the Cabresto Canyon; Ojo Alamo Extension at the existing wellbore location.

Please find enclosed a copy of Mallon Oil Company's C-102 which was sent December 12, 1997 and a copy of the completion report (3160-4).

Should you need any further information, Please contact the undersigned at 505**-**885-4596.

Sincerely,

MALLON OIL COMPANY

Duane C. Winkler Operations Manager

Enclosures

Christy Serrano

Fax 970-382-7650

P.O. Box 2797 Purango CO 81302

P.Q. Box 3256 • Carlshad, New Mexico 88220 • Phone: 505/885-4596 • Fax: 505/885-0022 •

970-382-9100

Form 3160-4	UN	MEDATES	: COMM		CATE	Į	FORM APPI	マロッチウ
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2 NAME OF OPERATOR				•			<u>a 458 No. :</u>	<u> </u>
	Mallon Oil Con	прапу				a YN METT		
1 ACCRESS AND TELE	PHONE NO.						9-24167	
	P.O. Bax 3256	i, Carisbad, N	M 88220	(505) 885→	596		ID POOL OR W	
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			,			Sec. 7	<u>, T30N-R3</u>	<u> </u>
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	and Spaces for Add	itional Data on R	everse side)					

Title 18 U.S.C. 1001, reasons it a crime for any person knowingly and without to make to any department or agency of the United States any false, ficutions or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

District 1 PO Box 1980, Bobbs, NM \$8241-1980 District II PO Drewer DD, Artolia, NM #8211-0719 District [II 1000 Rio Brezos Rd., Amor., NM 17410 District IV PO Box 2004, Santa Fe, NM \$7504-2000

State of New Mexico Energy, Mineral & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-103 Revised February 10, 1994 Instruccions on back

Submit to Appropriate District Office

State Lease - - Copies Fee Lease . J Copies

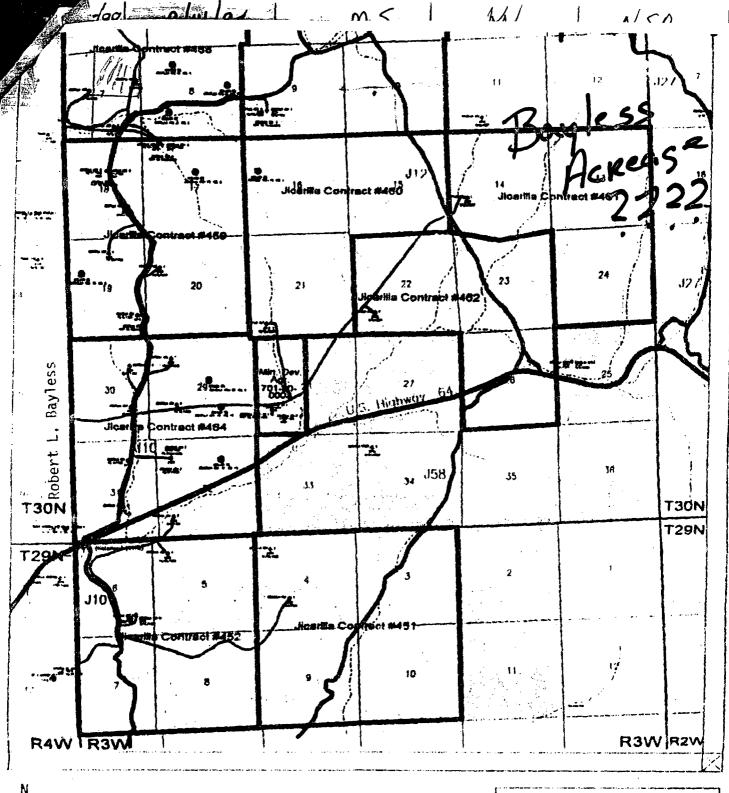
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-039-24167	Pool Code Cabresto C	'Pool Name anyon; Ojo Alamo Ext.
* Property Code	* Property Name	¹ Wed Number
	Jicarilla 458	3
OCRID No.	Operator Name	' Elevation
013925	Mallon Oil Compar	7089'

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

<u></u>	OR A NON-STAN	E ZAH TINU DRADI	EEN APPROVEI) BY	THE DIVISION
			1815.	30'	OPERATOR CERTIFICATION I hardry cerefy that the information contained herein us true and complete to the best of my snowadse and belief Separator Christy Serrano Printed Name Secretary Tule January 15, 1998 Date
				,	12 SURVEYOR CERTIFICATION I hereby certify that the well leachen shown on this plate was placed from field nates of assaul surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Superfusion and Seal of Professional Surveyor.





Scale 1:63360.

02 0 02 04 0.8 0.6 1. miles

MALLON OIL COMPANY

East Blanco Field - San Juan Basin Townships 29-30 Horth Rio Arriba County, New Mexico



STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX PORE STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

August 20, 1987

Robert L. Bayless P.O. Box 168 Farmington, NM 87499

Attention: Kevin H. McCord

Petroleum Engineer

Amended Administrative Order NSL-2377

Gentlemen:

Reference is made to your application for a non-standard location for your Jicarilla 458 Well No. 3 to be located 1815 feet from the North line and 230 feet from the East line of Section 7, Township 30 North, Range 3 West, NMPM Undesignated Pictured Cliffs Pool, Rio Arriba County, New Mexico. The NE/4 of said Section 7 shall be dedicated to the well.

By authority granted me under the provisions of Rule 104 F(I), the above-described unorthodox location is hereby approved.

Sincerely,

WILLIAM J. LEMAY

Director

cc: Oil Conservation Division - Aztec

Aug 3, 1987

ROBERT L. BAYLESS

PETROLEUM PLAZA BUILDING P. O. BOX 168 **FARMINGTON, NEW MEXICO 87499** (505) 326-2659

July 29, 1987

Mr. William J. LeMay New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

MSL-237)
RULE-104 F(Z)

Ilindesignated Pectured
Cliffs Pool
160 Acreded
NE/4 Sec 7.

RE: Request for Administrative Approval of an Unorthodox

Location

Jicarilla 458 #3 1815'FNL & 230'FEL Section 7-T30N-R2W

Rio Arriba County, New Mexico

Gentlemen:

OIL CONSERVATION

SANT F.

We request administrative approval of an unorthodox location for our Jicarilla 458 #3 Pictured Cliffs formation gas well, located 1815'FNL and 230'FEL, Section 7-T30N-R3W, Rio Arriba County, New Mexico. This well staking is 560 feet too close to the section line separating Section 7 and Section 8. You will note from the enclosed topographic map that there is no other area for an economically buildable location in this quarter section due to the rough topography. Also enclosed is a lease map indicating that Robert L. Bayless is the operator of all surrounding 160 acre tracts to this well.

If you need any further information on this well, please advise.

Kevin H. MGo

Kevin H. McCord Petroleum Engineer

KHM/blk Enclosures NMOCD, Aztec

Checked w/ Charlie Chowler 3-10 87 OK

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT



OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

Augustão,

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-5800

August 12, 1987

Robert L. Bayless P.O. Box 168 Farmington, NM 87499

Attention:

Kevin H. McCord

Petroleum Engineer

Administrative Order NSL-2377

Gentlemen:

Reference is made to your application for a non-standard location for your Jicarilla 458 Well No. 3 to be located 1815 feet from the North tine and 230 feet from the East line of Section 7, Township 30 North, Range 2 West, NMPM Undesignated Pictured Cliffs Pool, Rio Arriba County, New Mexico. The NE/4 of said Section 7 shall be dedicated to the well.

By authority granted me under the provisions of Rule 104 F(I), the above-described unorthodox location is hereby approved.

Sincerely,

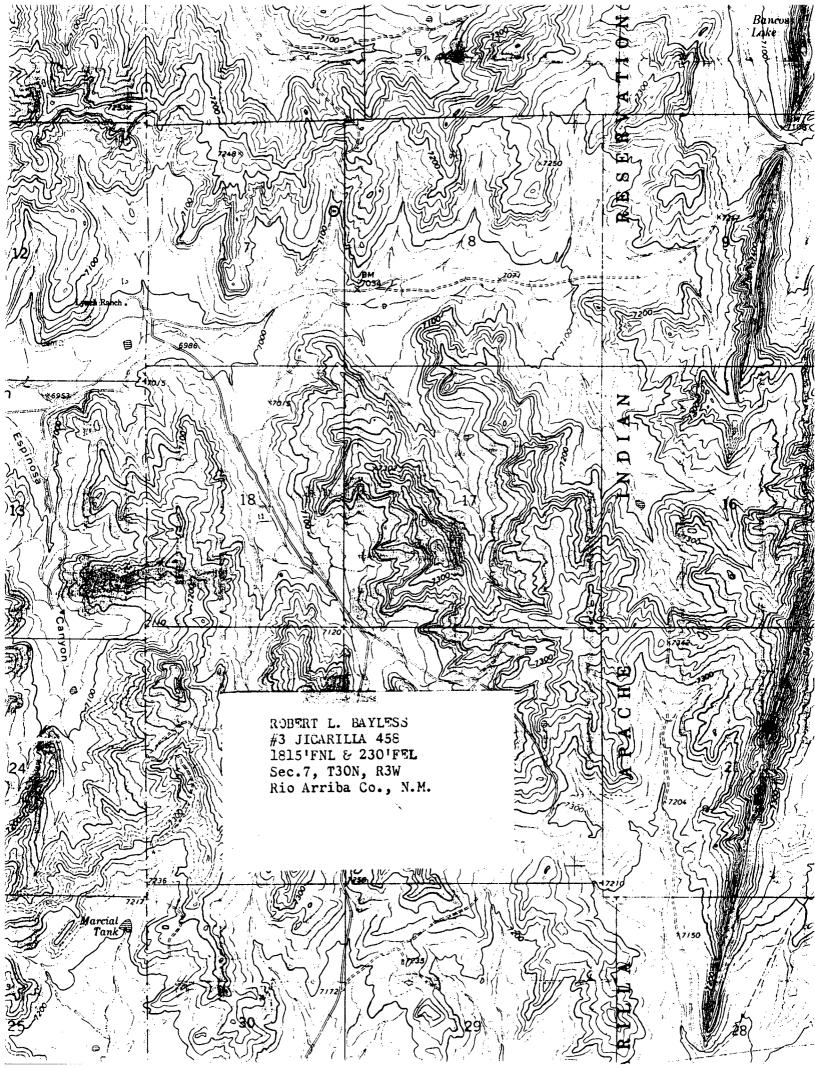
WILLIAM J. LEMAY

Director

cc: Oil Conservation Division' - Aztec

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county Rio Arriba Pool Cabresto Canyon-Oio Alamo

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CMD :
OG5SECT

ONGARD INQUIRE LAND BY SECTION

10/22/98 12:42:58 OGOIV -EMDT

PAGE NO: 1

Sec : 07 Twp : 30N Rng : 03W Section Type : NORMAL

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PF07 BKWD PF08 FW	D PF09 PRINT	PF10 SDIV PF11	PF12

72.61
74.12
146.73

CMD : OG5SECT

ONGARD INQUIRE LAND BY SECTION 10/22/98 12:43:06 OGOIV -EMDT

PAGE NO: 2

Sec : 07 Twp : 30N Rng : 03W Section Type : NORMAL

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PF01 HELP PF02 PF07 BKWD PF08	PF03 EXIT FWD PF09 PRINT	PF04 GoTo PF05 PF10 SDIV PF11	PF06 PF12

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED	

5. Lease Designation and Senal No.

SUNDRY NOTICES AND REPORTS ON WELLS	
see this form for proposals to drill or to deepen or reentry to different reservoir	

JIC458

Use "APPLICATION FOR PERMIT" for	or such proposals	N
	****	Jicarilla Apache
SUBMIT IN TRIPLICATE		7. If Unit or CA, Agreement Designation
1. Type of Well	OEF 1 4 1998 E	?
Oil Well X Gas Well Other:		N/A
2. Name of Operator	MILE (C(0)) TIME	8. Well Name and No.
Mallon Oil Company	Dillive	Jicarilla 458 No. 3
3. Address and Telephone No.	ට්යන් ය	9. Well API No.
P.O. Box 3256, Carlsbad, NM 88220	(505) 885-4596	30-039-24167
		10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		E. Blanco, Pictured Cliffs
1815' FNL and 230' FEL (SE NE) Unit H		11. County or Parish, State
Sec. 7, T30N-R3W		
		Rio Arriba County, New Mexico
12. CHECK APPROPRIATE BOX(S) TO I	NDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE	OF ACTION
·		
Notice of Intent	Abandonment	Change of Plans
	X Recompletion	New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	Other: Change of Operator	Dispose Water
		(Note: Report results of multiple completion on Viet
<u> </u>		Completion or Recompletion Report and Log form (
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, it		l is directionally drilled, give

On January 7, 1998, Mallon Oil Company set a CIBP at 3620' iolating the Pictured Cliffs 3716'-3790'.

Perforated the Ojo Alamo 3263'-3286', 3204'-3230' 4 JSPF. Acidize with 3000 gals 7-1/2% Hcl acid, frac 50,000 lbs. 12/20 sand. Set pkr at 3041: Initiate production through 2-3/8" tbg.

14 I becoby	certify that the foregoing is true and correct			
Signed	Chrusty Semono Christy Serrand	Title	Production Secretary	<u>Date 08/12/98</u>
Approved	By alrica VVI Ne les (Japproval, if any:	Title	Lands and Mineral Resources	Date 9-10-98

Form	3160-4
(Juty	1992)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED

OMB NO. 1004-0137
Expires: February 28, 1995
DESIGNATION AND SERIAL NO.

WELL C	OMPLETION	OR RECOMP	ETION F	REPORT AN	D LOG *		JIC458		
1a. TYPE OF WELL	OIL	GAS		OT 150			6. IF INDIAN, ALL Jicarilla A		
b. TYPE OF COMPLETI	WELL .	WELL X DF	8Y (OTHER		, i	7. UNIT AGREEM		
NEW WOI		PLUG	DIFF				7. ONIT AGREEM		_
	R X EN	BACK	RESVR [OTHER			8. FARM OR LEA		
2. NAME OF OPERATOR		_					Jicarilla 4	<u>58 No.</u>	3
	Mallon Oil	Company					9. API WELL NO.	4467	
3. ADDRESS AND TELE		256, Carlsbad,	NINA 9922	0 (505	1 225 45	06	30-039-2		17 Coli
- LOCATON OF WELL) 885-45	30	10. FIELD AND P		o Alamosyr Carr
4. LOCATION OF WELL At surface 18	15' FNL and 2	clearly and in accordant	эө үчлл алу эта	le requirements)					OCK AND SURVEY
At Sunace 10	15 1 NE and 2	.50 1 L.L					OR AREA	W., OR BCC	CK AND SURVET
At top prod. interval r	eported below	1815' FNL and	230" FEL				O. P.		
	•						Sec. 7, T	30N-R	3W
At total depth 18	15' FNL and 2	230" FEL	14.	PERMIT NO. N/A	DATE ISSU	ED	12. COUNTY OR Rio Arriba		13. STATE New Mexico
15. DATE SPUDDED	i i	-	ATE COMP	(Ready to Prod.)	1		(B, RT, GR, ETC*)	19. ELE	EV. CASINGHEAD
3/7/88		13/88		4/98		89' GL			
20. TOTAL DEPTH, MD	& TVD 21. PLI	JGBACK TD, MD & TVC		ULTIPLE COMP., V MANY		ERVALS	ROTAR	TOOLS	CABLE TOOLS
4077' KB		3620'		N/A	_		0 -	TD	· N/A
24. PRODUCING INTER	VAL (S), OF THIS C	OMPLETION - TOP, BC	TTOM, NAME	(MD AND TVD*)			25. WAS DIRECT	IONAL SU	RVEY MADE
3163'-3186	3204'-	3230' Oio A	lamo				N/A		
26. TYPE ELECTRIC AN			warno			<u> </u>	27. WAS WE		}
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28.	· · · · · · · · · · · · · · · · · · ·	CASII	NG RECO	RD (Repor	all string	s set in v	vell)	***************************************	1. 11. 11. 11. 11. 11. 11. 11. 11. 11.
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31. PERFORATION RE	CORD (Interva	il, size, and number)	AY - 1	1000 132					SQUEEZE, ETC.
3163'-3186'	4 JSPF		•	1938 4	DEPTHINT	ERVAL (MD)	AMOUNT	AND KINL	O OF MATERIAL USED
3204'-3230'	7 001 1	~~ ·~ · · · · · · · · · · · · · · · · ·	ROPT	7 7 7 3	163'-323	0'	3000	gals acid	d
CIBP at 3620	•			J.J.			1	_	os 12/20
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33.*		PRO	DUCTION		·				
DATE FIRST PRODUCT	ION	PRODUCTION METHO		, gas lift, pumping	size and type	of pump)	1	•	ucing or Shut In)
1/14/98		Flowing						ducing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FO	i i	3BL	GAS - MCF	WATER -	BBL	GAS-OIL RATIO
1/10/98	24	3/8"	TEST PERIO) 	.	956		220	N/A
FLOW TBG PRESS	CASING PRESSUR		OIL - BB		AS - MCF	WATER			API (CORR.)
		24-HOUR RATE		-			0.20	= . + . +	
290	0		0		956	22	.0	N/A	
34. DISPOSITION OF G	AS (Sold, used	for fuel, vented, etc.)		· SEC	ORD	TEST V	VITNESSED BY Lindemai	n	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold Sold Lindeman									
/	III		· ACCU	· .					
36. Nereby certify that to	ne foregoing and atta	ached information is com	plete and corre	ect as determined f	om all availab	le records			
SIGNED .	1700	K(CUS)	10/		roduction	Analyst	c	ATE	12/12/97
M	CAY DAVIS								

A*See Instructions and Spaces for Additional Data on Reverse side)

Title 18 U.S.C. 1001, plakes 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

Form 3160-5 (June 1990)

>

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED	
Budget Bureau No. 1004-013	•
Expires: March 31, 1993	

٤.	Lease Designation	and	Scrial	
	JIC458			

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to dri	O. If figure, fulding of Tribe France	
Use "APPLICATION FOR	Jicarilla Apache	
SUBMIT	7. If Unit or CA, Agreement Designation	
Type of Well		N/A
Oil Gas Other		8. Well Name and No.
2. Name of Operator		Jicarilla 458 No. 3
Mallon Oil Company		9. API Well No.
3 Address and Telephone No.		30-039-24167
D o Down 2256 Christand	New Mexico 88220 (505)885-4596	10. Field and Pool, or Exploratory Area
Location of Well (Footage, Sec., T., R., M., or Survey D.	. New Mexico 66220 (505) 665-4596	E. Blanco, Ojo Alamo
1815' FNL and 230' F		11. County or Parish, State
Sec. 7, T30N R3W	En (SE NE) ONIO II	
Sec. 7, 130N R3W		Rio Arriba, New Mexico
CHECK APPROPRIATE BOX	s) TO INDICATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTIO	N
Notice of Intent	Abandonment	Change of Plans
Trouble of Intell	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	Other	Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
13. Describe Proposed or Completed Operations (Clearly state	all pertinent details, and give pertinent dates, including estimated date of sta	ring any proposed work. If well is directionally drilled,
give subsurface locations and measured and true vert	ical depths for all markers and zones pertinent to this work.)*	

Mallon Oil Company proposed to set CIBP at 3620', to isolate Pictured Cliff ✓Pers 3716'-3790' and perforate Ojo Alamo, acid and frac stimulate, run tbg with pkr, produce Ojo Alamo through tbg.

4. I hereby certify that the foregoing is true and correct					_
Signed Chrusty Servano	Tide Secretary	_ Date _	1/12/	/98	
Approved by Survey, if any:	Tide Lands and Mineral Resources	_ Date _	MAY	1 1998	

Tide 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.



District I PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Azzec, NM 87410 District IV PO Box 2008, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 10, 1994 Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	1 Pool Code	³ Pool Name		
30-039-24167		Ojo Alamo		
* Property Code	¹ Property Na	Det .	· Well Number	
	Jicarilla 4	158	3	
OGRID No.	Operator No	ume T	* Elevation	
013925	Mallon Oi	7089'		
	10 0 5 7		***	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	مها نما	Feet from the	North/South line	Feet from the	East/West line .	County
Н _	7	30N	3W	N/A	1815	North	230	East	Rio Arriba
11 Rottom Hole Location If Different From Surface									

UL or lot no.	Section 7	30N	Range 3W	Lot Ida N/A	Feet from the	North/South line North	Feet from the 230	East East	Rio Arriba
Dedicated Act	" Joint	or Infill 14	Consolidation N/A	a Code " C	order No.		· · · · · · · · · · · · · · · · · · ·		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	STANDARD UNIT HAS E	ELN ATROVED DI	111111111111111111111111111111111111111
16			17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
	And the second s	1815'	Christy Serrano
DECENTED SES	in order		Signature Christy Serrano Printed Name Secretary
OIL SCI DIV		230	Tile January 15, 1998 Date
			18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
			Date of Survey Signature and Scal of Professional Surveyer.
			Certificate Number

State of New Mexico

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office

). District1 PO Box 1980, Hobbs, NM 68241-1980 PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVA	TION DIVISION
PO Box	2088
Santa Fe, NM	87504-2088

District III 1000 Rio Brazos Rd.,	, Aztec, NM 87410			Sant	a Fe, NW 07504-2	2000			AMENDED REPORT
District IV PO Box 2088, Serta	Fe, NM 87504-2088		DECLIEST	FOR ALLOW	VABLE AND A	ITHORIZAT	ION TO TR	ANSPORT	
1				or Name and Address	ANDLE VIAD V	OTTIONEX.	101110110		2. OGRID Number
	Mallon Oil C	company							013925
	P.O. Box 32	256	v.					ļ	Reason for Filing Code
	Carlsbad, N	M 88220	(505) 885-	4596					CH Effective 1/1/97
	4. API Number					ni Name	· · · · · · · · · · · · · · · · · · ·	L	8. Pool Code
	30-039-241 7. Property Code	67	 		E. Blanco, Pi	ctured Cliffs			72400 9. Well Number
	001848	10467			Jicarilla 458				3
J). Ul or lot no.	10. Surface	Location	Range	Lot lan.	Feet From the	North/South Line	Feet From the	East/West Line	County
Н	7	30N	3W	N/A	1815	North	230	East	Rio Arriba County
	11. Bottom	J					,		
UL or lot no.	Section	Township	Range	Lot idn.	Feet From the	North/South Line	Feet From the	EastWest Line	County Die Arribe County
H 12. Lsa Code	7 13. Producin	30N g Method Code	3W 14. Gess	N/A Connection Date	1815 15. ¢-129 Pe	North mit Number	230 16. C-129 E	East Tective Date	Rio Arriba County 17. C-129 Explration Date
F		F		04/21/88			<u> </u>		
III.	Oil and Gas	Transporte	PS 19. Transporter Nas	me	20. F	OD	21. O/G	22.	POD ULSTR Location
-	OGRID		and Address					1170	and Description
3	7193	Mallon Oil			0525	33U	G	H-/-3	0N-3W
		P.O. Box 3							
		Cansbau, I	NM 88220						
	Section 1								
					<u> </u>	•			· · · · · · · · · · · · · · · · · · ·
]						ii	7
	3.								•
<u> </u>	<u> </u>	r							
									经 数据 1770 177
* .	** 4	ĺ				1			Sat Balting and the
IV.	Produced V	Vater						III FE	9 1 0 822
	23.	POD				24. POD UL	STR Location and Descrip	#** F*1 F**	
					H-7-30N-3W			(0)111	GONDA DE
V.	Weil Compl	etion Data							Frankling Co
	Spud Date		endy Date		7. TD	28. F	PETD		29. Perforations
						,			
	30. Hole Size			31. Casing & Tubing S	23,		32. Depth Set		33. Secks Cement
			 						
		 	ļ						
			-						
	18/ 11								
VI. 34. D	Well Test D		Delivery Date	36.1	Fest Date	37. Test	Length	38. Tbg. Pressure	39. Csg. Pressure
40. 0	Choke Size	4	11. Oil	42	Weter	43. (Ges	44. AOF	45. Test Method
46 I hereby cert	tify that the rules of t	he Oil Conservation	on Division have be	en complied	T T				
with and that the	e information given a			•		OIL C	ONSERVAT	OISIVID NOI	N
knowledge and Signature:					Approved By:				
	Thus	. a. M	Andr	olli a			سي	276	
Printed Name:				· · · · · · · · · · · · · · · · · · ·	Title:	C)		GR DISTR	NCT #9
Title:	Theresa A. I	VicAndrews	<u> </u>		Approval Date	51	PLEUA19		11 0 #9
	Office Mana	ger					how ten to	1 0 400-	,
Date;		Phone:	/===	4500			 	3 1 8 1997	
47. Ifthis is a char	02/10/97 nge of operator fill in 0G	RID number and re-			<u> </u>				
		parinos beis (181	or me previous op	्राच्या ः					•
	Previous Operator S	ignature			Punt od Namo	MACI A	<u> </u>	Title	Date ,
	Robert L. B	ayless	OGRID 01	9418	llim H.	Mynd	Rt B	ngineer	2/13/97

State of New Mexico Energy, Minerals and Natural/Resources Department

ISTRICT II
.O. Drawer DD, Anenia, NM 88210

OIL CONSERVATION DIVISION P.O. Box 2088

at Bottom of Page

IDENVED

Santa Fe, New Mexico 87504-2088

ISTRICT III 000 Rio Brazos Rd., Aziec, NM 87410 REQUEST FOR ALLOWABLE AND AUTHORIZATION 26 FIFE 9 08

Form C-104 Revised I-1-89 See Instructions

		TO TR	ANS	PORT O	L AND NA	TUHALG		API No.		
Robert L. Bayless							Well	AFI NO.		
Mdrus										
P.O. Box 168, Farm	nington	. NM	874	99	[Fi] 0:	(01	f - ' - 1			
teason(s) for Filing (Check proper box)		Change is	. Тем	sporter of:	X) Ou	nes (Please expl	au)			
tecompletion	Oil		1	Gas 🗆	D					
Change in Operator	Casinghea	d Gas	• -	densate [Poc	ol change	e from W	ildcat	P.C.	
change of operator give name										
L DESCRIPTION OF WELL	AND LE	ASE								
Lease Name	7410 200	Well No.	Pool	Name, Includ	ling Formation			of Lesse	-	ease No.
Jicarilla 458		3	Ea	st Blan	co Pictu	red Clif	f ; State	, Federal or Fe	Jic.	Cont. 458
Unit LetterH	: 181	. 5	_ Feat	From The _	North Li	e and23	<u>0</u> F	eet From The	East	Line
Section 7 Townshi	<u>р 30N</u>	<u> </u>	Ran	re 3W	. N	MPM,	_ Rio_A	rriba		County
II. DESIGNATION OF TRAN	SPORTE	R OF O	IL Á	ND NATL	RAL GAS					
Name of Authorized Transporter of Oil		or Conde	sale		Address (Gi	ne address to w	hich approved	copy of this	form is to be se	ial)
Name of Authorized Transporter of Casin	ry Gas 💢		re address to w				int)			
Robert L. Bayless	l Unit	Sec.	Twp	- Pas	ls gas actual	ox 168,	Farming When		87499	
I well produces oil or liquids, ive location of tanks.	low l	30C.	l i wb	. j kgc.	Is gas actual	y comected?	[Witer	1 7		
this production is commingled with that	from any oth	er lease or	pool,	give comming	ling order num	ber:				
V. COMPLETION DATA		Oil Well		Gas Well	New Well	Workover	Deepen	l Plus Back	Same Res'v	Diff Res'v
Designate Type of Completion	- (X)	JOH WEIL	' i	Cas well	1 Hem Mell	WORLOVET	Deeben	I ring back	Same Kes v	Linkesv
Date Spudded	pudded Date Compl. Ready to Prod.							P.B.T.D.	*	
levations (DF, RKB, KT, GR, etc.)	Name of Pr	roducing Fo	ormati	OG	Top Oil/Gas	Pay		Tubing Dep	th ·	
renorations	·				<u> </u>			Depth Casir	g Shoe	
								<u> </u>		
NOI E CIZE						NG RECOR		T	24040 0514	
HOLE SIZE	CAS	SING & IL	BINC	3 8125	DEPTH SET SACKS CEMENT					ENI
]					
. TEST DATA AND REQUES	T FOR A	LLOW	ARI.	R.	<u> </u>			<u> </u>		
IL WELL (Test must be after re					be equal to or	exceed top allo	wable for thi	s depth or be	for full 24 hour	·s.)
Date First New Oil Run To Tank	Date of Tex					thod (Flow, pu				
						- EV 12	(0 E A	W. C.	<u> </u>	
Length of Test	Tubing Pressure				Casing Press.		n e	Tringer str		
Actual Prod. During Test	Oil - Bbls.				Water - Bbis.	JU JU	JN22 19	Gar- MCF		
GAS WELL	l					OIL	CON.	DIV.		
Actual Prod. Test - MCF/D	Length of	est			Bbls. Conden	sate/MMCF	DIST.	Gravity of	ondensate	
Festing Method (pitot, back pr.)	Tubing Pres	seure (Shu	-in)	· · · · · · · · · · · · · · · · · · ·	Casing Press	ire (Shut-in)		Choke Size		<u> </u>
T oppn and	L				<u> </u>			<u></u>		
VL OPERATOR CERTIFIC. I hereby certify that the rules and regula						DIL CON	SERV	ATION	DIVISIO	N.
Division have been complied with and the true and complete to the best of my k	hat the infor	mation give			[]		11 11	JN 22		•
and the same of th					Date	Approved	3)	1330	
		L.	_/		Bv_					
Robert L. Bayles	S	Oper	ato:		-,_		1/			
Printed Name			Title		Title.		MIDERY	OR DISTRICT	0)	
_6/21/90 Date			<u>326-</u> phone	-2659 No.]]	•				-

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.

STATE OF NEW MEXICO ENERGY - MINERALS DEPARTMENT

	1740		
DISTRIBUTI	0=		Г
PILE			
U. 0. 0 .4.			
-			П
TRANSPORTER	OIL	I_{-}	
	446		
OPERATOR			
-	*C 8		

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Revised 10-01-78 Format 06-01-63

REQUEST FOR ALLOWABLE

			IND	Wint G	000
	AUTHORIZATION	TO TRANS	PORT OIL AND NATE	IRAL GAS OLL	A. Dist
permor					gragi in the state
Robert L. Bayless					
P.O. Box 168, Far	minaton. NM 8	7499			
peson(s) for filing (Check proper box)		, 155	Other (Pleas	e ezpieje)	
Now Well	Change in Transpor	ne of:		•	•
Recompletion	Ou	_	ry Gas		
Change in Ownership	Casingheed Ga		andensate		
thange of ownership give name					
eddress of previous owner					
					•
DESCRIPTION OF WELL AND			·	Kind of Lease	
Name	Well No. Pool Nam			S	Jic Co
Jicarilla 458	3 Wild	cat Pict	ured Cliffs	Inc	dian 458
Unit Letter H : 181:	Feet From The No				
Line of Section 7 Town	ehte 30N	Range	3W , NMPN	• Rio Arriba	County
		· · · · · · · · · · · · · · · · · · ·		• Rio Arriba	County
. DESIGNATION OF TRANSPO	ORTER OF OIL AND	NATURAL	L GAS	·	
DESIGNATION OF TRANSPO	ORTER OF OIL AND	NATURAL	L GAS	Rio Arriba to which approved copy of the	
DESIGNATION OF TRANSPO	ORTER OF OIL AND	NATURAL	L GAS Acareee (Give address	·	: jorm is to be sent)
DESIGNATION OF TRANSPO	ORTER OF OIL AND	NATURAI	Address (Give address Address (Give address	to which approved capy of this	s form is so be sent) s form is to be sent)
DESIGNATION OF TRANSPO Transporter of Cit (Transporter of Cash Robert L. Bayless	ORTER OF OIL AND	NATURAI	Address (Give address Address (Give address	to which approved copy of the to which approved copy of the , Farmington, NM	s form is to be sent) s form is to be sent)
DESIGNATION OF TRANSPORMS of Authorized Transporter of Cit (The of Authorized Transporter of Casus Robert L. Bayless well produces off or liquids.	ORTER OF OIL AND or Condensate or Dry	NATURAI	Address (Give address Address (Give address P.O. Box 168	to which approved copy of the to which approved copy of the , Farmington, NM	s form is to be sens) s form is to be sens) 87499
DESIGNATION OF TRANSPORMS of Authorized Transporter of Cit (Transporter of Casta Robert L. Bayless well produces oil or liquids, the location of tanks.	ORTER OF OIL AND or Condensate or Dry Unit Sec. Twp	Gas Rge.	Address (Give address P.O. Box 168 Is gas actually connect yes	to which approved copy of the to which approved copy of the Farmington, NM ad? When 4/21	s form is to be sens) s form is to be sens) 87499
DESIGNATION OF TRANSPORMS of Authorized Transporter of Cit (The of Authorized Transporter of Cash Robert L. Bayless well produces oil or liquids, relocation of tanks.	ORTER OF OIL AND or Condensate or Ort Unit Sec. Twp	O NATURAL Gas A Rege.	Address (Give address P.O. Box 168 Is gas actually connect yes	to which approved copy of the to which approved copy of the Farmington, NM ad? When 4/21	s form is to be sent) s form is to be sent) 87499
DESIGNATION OF TRANSPO	ORTER OF OIL AND or Condensate or Ort Unit Sec. Twp	O NATURAL Gas A Rege.	Address (Give address P.O. Box 168 Is gas actually connect yes	to which approved copy of the to which approved copy of the Farmington, NM ad? When 4/21	s form is to be sent) s form is to be sent) 87499
DESIGNATION OF TRANSPORMS of Authorized Transporter of Cit (The of Authorized Transporter of Cash Robert L. Bayless	ORTER OF OIL AND or Condensate or Ort unit Sec. Twp that from any other le on reverse side if nec	O NATURAL Gas A Rege.	Address (Give address P.O. Box 168 Is gas actually connect yes give commingling order	to which approved copy of the to which approved copy of the Farmington, NM ad? When 4/21	s form is to be sent) 87499 /88
DESIGNATION OF TRANSPO Line of Authorized Transporter of Cit (Line of Authorized Transporter of Cash Robert L. Bayless well produces oil or liquids, resolvention of tanks.	ORTER OF OIL AND or Condensate or Ort unit Sec. Twp that from any other le on reverse side if nec	O NATURAL Gas A Rege. Rese or pool, ressary.	Address (Give address P.O. Box 168 Is gas actually connect yes give commingling order	to which approved copy of this to which approved copy of this , Farmington, NM ed? , When 4/21,	s form is to be sens) 87499 /88
DESIGNATION OF TRANSPO and of Authorized Transporter of Cast Robert L. Bayless well produced oil or liquide, ve location of tanks. his production is commingled with OTE: Complete Parts IV and V CERTIFICATE OF COMPLIAN reby certify that the rules and regulation	ORTER OF OIL AND or Condensate or Ort unit Sec. Twp that from any other le on reverse side if nec CE s of the Oil Conservation	O NATURAL Gas A Rege. Rese or pool, ressary.	Address (Give address P.O. Box 168 Is gas actually connect yes give commingling order	to which approved copy of this to which approved copy of this , Farmington, NM ed? , When 4/21,	s form is to be sent) 87499 /88
DESIGNATION OF TRANSPO me of Authorized Transporter of Cit (me of Authorized Transporter of Cash Robert L. Bayless well produces oil or liquids, relocation of tanks.	ORTER OF OIL AND or Condensate or Ort unit Sec. Twp that from any other le on reverse side if nec CE s of the Oil Conservation	O NATURAL Gas A Rege. Rese or pool, ressary.	Address (Give address P.O. Box 168 Is gas actually connect yes give commingling order	to which approved copy of this to which approved copy of this , Farmington, NM ed? , When 4/21,	: form is to be sent) : form is to be sent) 87499 /88
DESIGNATION OF TRANSPO me of Authorized Transporter of Cit (Robert L. Bayless well produces oil or liquids, is location of tanks. This production is commingled with OTE: Complete Parts IV and V CERTIFICATE OF COMPLIAN Treby certify that the rules and regulation is complied with and that the information	ORTER OF OIL AND or Condensate or Ort unit Sec. Twp that from any other le on reverse side if nec CE s of the Oil Conservation	O NATURAL Gas A Rege. Rese or pool, ressary.	Address (Give address P.O. Box 168 Is gas actually connect yes give commingling order	to which approved copy of this to which approved copy of this , Farmington, NM ed? , When 4/21,	(orm is to be sens) 87499 /88

	bener.		7	
		-0	A.E.	_
Robert L.	Bayless	(Signature)		
	Or	perator		
		(Tule)		

5/23/88

(Dese)

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

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

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, well name or number, or transportes or other such change of condition.

Separate Forms C-104 must be filed for each peel in multiply completed wells.

		~~~~		4 7 4
IV	$rrac{1}{2}$	PLETIC	וניסו	AIA
1 V .	COM	1 1111	'11 D	$\alpha$

	OII We	il Gas Well	New Well	Workover	Deepen	Plug Bock	Same Resty.	Dut Reen
Designate Type of Completi	on — (X)	Х	х		:		•	• •
Date Spudded	Date Compi. Reedy	to Prod.	Total Depth	1	<del>_</del>	P.B.T.D.		
3/7/88	4/13/	/88	1	4077 <b>'</b>		385	7' KB	
Elevetiese (DF, RKB, RT, GR, etc.,	Name of Producing	Formetica	Top OU/Ga	a Pey		Tubing Depi	h	
7089' GL 7107' RKB	Pictured	Cliffs		3716		374	3'	
Perferetions						Depth Castr	g Shoe	
3716 - 3790								
	TUBIA	IG, CASING, ANI	CEMENTI	NG RECORD				
HOLE SIZE	CASING & T	UBING SIZE		DEPTH SET		SA	CKS CEMEN	T
9 7/8"	7 5/	/8"		143'_KB		75 sx	Class B	(89 ft
6 3/4"	4 1/	/2"		3907' KB		300 sx	Class B	( <del>61</del> 8-fi
								1776
	1 1/	/2"	1	3743 * KB		i – –		

### 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 allow OIL WELL able for this depth or be for full 24 hours)

<u> </u>		,	
Date First New Oil Run To Tonks	Date of Test	Producing Method (Flow, pump, gas lig	i, ste.j
Length of Test	Tubing Pressure	Craing Pressure	Choke Size
Astual Prod. During Toot	Oll-Bhis.	Wester - Bhis.	Ges-MCF
	· ·	,	•

#### GAS WELL

GVO AFTITE			
Acrual Prod. Tool-MCF/D	Length of Teet	Bhis. Condensate/MACF	Grevity of Condensets
2633	3 hrs.	-0-	-0-
Tooling Method (publ. back pr.)	Tubing Pressure (Shut-in)	Cosing Pressure (Shet-in)	Choke Size
Back Pressure Test	1066	1069	3/4

### OIL CONSERVATION DIVISION

Hobbs/1 3 1 1986

P.O. Box 1980 Hobbs, NM 88240

#### D) Artesia P.O. Drawer DD Artesia, NM 88210

Aztec 1000 Rio Brazos Aztec, NM 87410

NOTICE OF GAS WELL -	CONNECTION / RECONNECTION / DISCON	NECTION
This is to notify the Oi	il Conservation Division of the follo	wing:
Connection x	First Delivery 4/21/88 2633 MCF	<u>D</u>
	Date Initial P	otential
Reconnection	First Delivery	otential
Disconnection		
for delivery of gas from	n the Robert L. Bayless	
	Operator	
	Jicarilla 458	
	Lease	
	3 <u>H</u> <u>Sec. 7. 5</u>	230N. R3W
Meter Code Site Code		T-R
	Wildcat Pictured Cliffs	· ~~ ~;
	Pool (A)	
was made on 4/21/88	Elen.	er 19
date		<b>"</b> ∀ ; ,
AOF		3 2 / 4
3/4"	Robert L. Bayless	
Choke	Transporter	
OCD use only	Robert L. Bayless, Owner	· ·
1	Representative Name/Title	
County	(Please type or print)	
Land Type	155 7/3	<i>.</i>
Lig. Transporter	Representative Signature	5
1		

Submit in duplicate to the appropriate district office.

Form approved. Form 3160-4 Budget Bureau No. 1004-0137 (November 1983) SUBMIT IN DUPLICATE. UNITED STATES Expires August 31, 1985 (formerly 9-330) Secother instructions on (everse side) DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL NO. BUREAU OF LAND MANAGEMENT RECEIVED Jicarilla Contract 458
6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOUSE Jicarilla Apache Tribe 1a. TYPE OF WELL: OH. WELL WELL X JUL APR 26 7. UNIT AGREEMENT NAME PM b. TYPE OF COMPLETION: FARMINGTON RESOURCE AREA

STOCK OF THE PROPERTY OF THE PROPERT BYCK S. PARM OR LEASE NAME WELL X 2. NAME OF OPERATOR Jicarilla 458 h (1) [ [7] 9. WELL NO. Robert L. Bayless 3. ADDRESS OF OPERATOR P.O. Box 168, Farmington, WAY87499988 10. FIELD AND POOL, OR WILDCAT 4. LOUATION OF WELL (Report location clearly and in accordance with any State requirements). Wildcat 1815' FNL & 230' FEL envarior/division 11. SEC., T., R., M., OR BLOCK AND BURVEY OR AREA SANTA FE At top prod. interval reported below same Section 7, T30N, R3W At total depth same 14. PERMIT NO. DATE ISSUED 12. COUNTY OR PARISH Rio Arriba NM 16. DATE T.D. REACHED | 17. DATE COMPL. (Ready to prod.) 19. ELEV. CASINGHEAD 15. DATE SPUDDED 18. ELEVATIONS (DF. RKB, RT, GR, ETC.)* 7107' RKB 3/13/88 4/13/88 7089' GL 3/7/88 22. IF MULTIPLE COMPL., HOW MANY 23 INTERVALS 20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD ROTARY TOOLS CABLE TOOLS DRILLED BY 3857' KB 0 - TD 4077' KB 25. WAS DIRECTIONAL SURVEY MADE 24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* Pictured Cliffs 3716-3790 no 27. WAS WELL CORED 26. TYPE ELECTRIC AND OTHER LOGS RUN IEL, FDC, CNL 28. CASING RECORD (Report all strings set in well) CEMENTING RECORD CASING SIZE WEIGHT, LB./FT. DEPTH SET (MD) AMOUNT PULLED 7/8"  $75 \text{ sx } (89 \text{ ft}^3)$ 7 5/8" 26.4#/ft 143' Class B w 3% CaClo KB 4 1/2" 3/4"  $300 \text{ sx} \text{ (618 ft}^3\text{) Class B}$ /2% Econolite 3907' 0.5&11.6#/ft KB 6 1/4# celeflake/sx; 125 sx  $(158 \text{ ft}^3) 50/50$ 1/4# celeflake/ pozmix w/2% gel, 10% salt 29. TUBING RECORD LINER RECORD 30. SCREEN (MD) SIZE DEPTH SET (MD) PACKER BET (MD) SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* 1 1/2" 3743' none 31. PERFORATION RECORD (Interval, size and number) ACID. SHOT. FRACTURE, CEMENT SQUEEZE, ETG. P.C. w/3-1/8" gun - 2 JSPF AMOUNT AND KIND OF MATERIAL USED DEPTH INTERVAL (MD) 7½% DI weighted HCL 3760-3766 - 13 holes 500 gal. 3716-3726 - 21 holes 3716-3790 3774-3783 - 19 holes 3736-3738 -5 holes <u>acid w/140 1.1 s.g. RCN ball</u> 3786-3790 -9 holes 3744-3752 - 17 holes sealers; 64,750 gal 70 quality (.34" diameter) <u>3754</u>-3758 -9 holes foam w/79.500# 20-40 sand PRODUCTION 713,313 SCF nitrogen DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) WELL STATUS (Producing of ahut-in) 4/21/88 flowing producing PROD'N. FOR TEST PERIOD HOURS TESTED CHOKE SIZE OIL-BBL. GAS - MCF WATER-BBL. GAR-OIL BATIO 0 329 N/A 4/21/88 3 3/4 OIL GRAVITY-API (CORR.) GAS-MCF WATER--HBL. CASING PRESSURE CALCULATED OIL --- BBL. 24-HOUR RATE 0 0 2633 N/A 625 TEST WITNESHED BY

DATE OF TEST FLOW. TUBING PRESS. 34. DIRPOSITION OF GAS (Sold, used for fuel, vented, etc.) 7.77 David Ball Vented 35. LIBT OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Kevin

₽ ( ¢2, Petroleum Engineer TITLE

DATE 4/25/88

*(See Instructions and Spaces for Additional Data on Reverse Side)

FORMATION         TOP         BOTTOM         DES           Ojo Alamo         3135         3371         water           Kirtland         3371         3400         water           Fruitland         3400         3713         water, natu           Pictured Cliffs         3713         4077         water, natu	3371 3400 3713	3371 3400 3713 4077	water water water water, natural gas water, natural gas	NAME Ojo Alamo Kirtland Fruitland Pictured Cliffs	тор 3135 3371 3400 3713	VERT. DEPTH Same Same Same Same
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Form C-122 Revised 10-1-78 4/22/88

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Form 3160-5 (November 1983) (Formerly 9-331)	UNITED ST PARTMENT OF T BUREAU OF LAND N	HE INTERIO	SUBMIT IN TRIPLIC (Other Instructions of verse aids)	CATHO Exp	DESIGNATION	fo. 1004—0135 31, 1985
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WELL GAR	07888				· <u>· · · · · · · · · · · · · · · · · · </u>	
NAME OF OPERATOR	, .				OR LEASE NAME	
Robert L. Bayles	SS			9. <del></del>	arilla 45	
P.O. Box 168, Fa	armington, NM 8	37499			3	
See also space 17 below.)	ocation clearly and in accor	rdader with any Sta	te requirements.*	[	AND POOL, OR	WILDCAT
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NOTICE	OF INTENTION TO:	ļ	*0	BERQUENT REPORT	r o <b>r</b> :	
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Title 18 U.S.C. Section 1001, makes it a crime for any personal of the United States any false formations as to any matter within its jurisdiction.

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

RECEIVED BLM MAIL ROOM

88 APR 14 PH 12: 57

Jicarilla 458 #3

DAILY REPORT

FARMINGTON RESCHEEE AREA FARMINGTON, NEV MEXICO

3/15/88 (Continued)

Centralizers at: 3885, 3819, 3777, 3734, 3692, and 3649. Rigged up the Western Company. Cemented longstring casing with 300 sx (618 ft.3) Class B cement with 2% Econolite and 1/4# celeflake/sx tailed by 125 sx (158 ft.3) 50/50 pozmix with 2% gel, 10% salt and 1/4# celeflake/sx. Good circulation throughout job. Circulated cement to the surface. Bumped plug to 2000 psi-held OK. Plug down at 7:00 PM 3/14/88. Rig down. Release rig. Wait on completion.

4/01/88 Move in and rig up Bayless Rig 4. Nipple up wellhead. Nipple up BOP. Pick up 3 7/8" bit and 1 1/2" tubing. Tag cement at 3857 ft. RKB (5' of cement fill). Shut down for night.

4/02/88 to 4/03/88 Shut down--Easter weekend.

4/04/88 Rigged up the Western Company. Pressure tested casing to 3500 psi-held OK. Circulated the hole clean with 2% KCL water. Moved tubing to 3790 ft. RKB. Spotted 250 gallons of 7 1/2% DI HCL acic across perforation interval. Tripped tubing out of hole Rigged up Basin Perforators. Ran GR-CLL from PBTD of 3741 ft. to 3500 ft. Perforated Pictured Cliffs interval with 3 1/8" casing gun and 2 JSPF as follows:

3716	_	3726	Τſ	) *	21	notes		
3736	-	3738	6	2,	5	holes		
3744	_	3752		3,	17	holes		
3754	-	3758	4	1'	9	holes		
3760	-	3766	6	3'	13	holes		
3774	-	3783	9	€,	19	holes		
3786	-	3790		<u>,</u>	9	holes		
			43		93	holes	(.34"	diameter)

Broke down the Pictured Cliffs interval @ 1800 psi. Established an injection rate of 7.0 BPM @ 400 psi, ISIP = 250 psi. Acidized the Pictured Cliffs interval with 500 gallons of 7 1/2% DI weighted HCL acid containing 140 1.1 s.g. RCN ball sealers. 7.0 BPM @ 350 psi. Saw some ball action. Balled off casing to 3500 psi. Surged balls off perforations. Final injection rate of 7.0 BPM @ 350 psi, ISIP = 250 psi. Ran junk basket to retrieve ball sealers. Recovered 138 hill sealers. Fracture stimulated Pictured Cliffs interval with 64,750 gallons of 70 quality foam containing 79,500 lbs. of 20-40 sand as follows:

15,000 gal.	of 70 quality foam pad	30 BPM @ 1950 psi
20,000 gal.	of 1 ppg 20-40 sand	30 BPM @ 2000-1900 psi
29.750 gal.	of 2 ppg 20-40 sand	30 BPM @ 1900-2200 psi

P. O. BOX 168 FARMINGTON, NEW MEXICO 87499

RECEIVED BLM MAIL ROOM

(505) 326-2659

88 APR 14 PM 12: 57

Jicarilla 458 #3

DAILY REPORT

Page 3
FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

4/04/88 (Continued)

Well screened off to 3500 psi.

ISIP = 3500 psi 5 min. = 3200 psi 10 min. = 3100 psi 15 min. = 3050 psi

Average rate - 30 BPM. Average pressure - 2000 psi. Maximum pressure - 3500 psi. Minimum pressure - 1900 psi. Nitrogen pump rate - 13,900-14,700 SCF/min. Total nitrogen pumped - 713,313 SCF. Total fluid to recover - 637 bbls. All water contained 2% KCL and 1/2 gal/1000 day stabilization agent. Left well shut in overnight. Shut down for night.

- 4/05/88 Overnight pressure was 2500 psi. Trip in the hole with a notched collar on 1 1/2" tubing. Tagged sand at 2711 ft. RKB. Circulated 30 ft. sand bridge. Tagged sand at 2877 ft. Cleaned out 721 ft. of sand to 3598 ft. Shut down for night.
- 4/06/88 Circulated 166 ft. of sand out of hole to 3764 ft. Lost circulation. Trip tubing out of hole. Trip in hole with hydrostatic bailer on tubing. Cleaned out 74 ft. of sand with bailer to 3838 ft. RKB. Total sand cleaned--991 ft. Trip tubing and bailer out of hole. Trip in hole with tubing. Tagged sand fill at 3760 ft. RKB. Trip out of hole with tubing. Shut down for night.
- 4/07/88 Trip in hole with hydrostatic bailer on tubing. Tagged sand fill at 3742 ft. Cleaned out 115 ft. of sand to 3857 ft. Trip tubing and bailer out of hole. Trip in hole with 1 1/2" tubing. Tagged sand fill at 3791 ft. Moved tubing to 3742 ft. RKB. Rigged to swab. Made 9 swab runs. Well making sand. Well kicked off. Well flowed for 45 minutes and died. Made 4 more swab runs. Well making lots of sand. Annulus pressure was 700 psi. Shut well in. Shut down for night.
- 4/08/88 Overnight pressures: tubing 150 psi, annulus 900 psi. Tubing blew down immediately. Rigged to swab. Made 3 swab runs and well started flowing. Left well flowing. Shut down for night.

4/09/88 to 4/10/88 Well flowing to clean up after frac.

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

RECEIVED BLM MAIL ROOM

88 APR 14 PM 12: 57

Jicarilla 458 #3

DAILY REPORT

FARMINGTON RESCURCE AREA 4
FARMINGTON, NEW MEXICO

4/11/88 Killed well. Tagged sand fill at 3785 ft. RKB. Tripped tubing out of hole. Picked up hydrostatic bailer. Tripped in hole. Cleaned out 15 ft. of sand with bailer. Bailer quit working. Tripped out of hole. Redressed bailer. Trip in hole. Cleaned out 72 ft. of sand with bailer to PBTD of 3857 ft. RKB. Trip tubing and bailer out of hole. Trip 1 1/2" tubing in hole and land as follows:

Description	Length	Depth
KB to landing point 113 jts. 1 1/2" 2.9#/ft J-55 EUE tubing 1 seating nipple 1 jt. 1 1/2" 2.9#/ft J-55 EUE tubing	. 75	0- 10 10-3708 3708-3709 3709-3 <b>7</b> 43

Nipple down BOP. Nipple up wellhead. Rigged to swab. Made 5 swab runs. Well did not kick off. Shut down for night.

- 4/12/88 Kicked well off flowing. Rigged down and released rig. Well cleaning up for AOF.
- 4/13/88 Shut in well for 7-day buildup for AOF test.

Form 3160-5	UNI	TED STATES	SUBMIT IN TRIPLICAT	Budget Bureau No. 1004-0135 Expires August 31,-1985
November 1983) Formerly 9—331)	DEPARTMEN	T OF THE INTE	RIOR rerse alde)	5. LEARS DESIGNATION AND SERIAL NO.
	BUREAU OF	LAND MANAGEME	NT	Jicarilla Contract 45
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werr in werr 13	07888			S. PARM OR LEADE NAME
NAME OF UPRATOR	-			/
Robert L. Bay	less			Jićarilla 458
ADDRESS OF OPERATOR	_			
P.O. Box 168,			State control of	10./FIBLD AND POOL, OR WILDCAT
See also space 17 below.		and in accordance with a	and affre LedonLementr.	
1815'	FNL & 230'	FEL	·	/Wildcat
		•		SURVEY OR AREA
				/ Section 7, T30N, R3W
PERMIT NO.	<del></del>	ELEVATIONS (Show whether	and the control of th	/12, COUNTY OR PARISH 13, STATE
			7107' RKB	Rio Arriba NM
		7089' GL	/10/ - RKB	RIO AIIIDA   NH
	Check Appropr	rate Box To Indicate	Nature of Notice, Report, or	Other Data
NOT	ICE OF INTENTION TO	o :	j ausai	EQUENT REPORT OF:
				REPAIRING WELL
TEST WATER SHUT-OFF	<u>;</u> ;	R ALTER CASING	WATER SHUT-OFF	ALTERING CARING
PRACTURE TREAT		LE COMPLETE	PRACTURE TREATMENT SHOOTING OR ACIDIZING	ABANDONMENT°
SHOUT OR ACIDIZE	ABANDO	·	Con and	sing: cement X
REPAIR WELL	CHANGE	PLANS	(Norm: Report resul	its of multiple completion on Well
(Other)		<u>i</u>		apletion Report and Log form.) es, including estimated date of starting an
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Kevin H	McCord	TITLE	recreate mildringer	DATE 3/15/88
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CONDITIONS OF APPR	OVAL, IF ANY:	TITLE	· · · · · · · · · · · · · · · · · · ·	
				the same process

*See Instructions on Reverse Side

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

JICARILLA 458 #3
Section 7, T30N, R3W
1815' FNL & 230' FEL
Rio Arriba County, New Mexico

#### DAILY REPORT

- 3/08/88 Spud well at 4:00 PM on 3/7/88. Drilled 148 ft. of 9 7/8" surface hole. Ran 3 jts. (130.14 ft.) of 7 5/8" 26.4#/ft S-95 LTC used casing and landed at 143 ft. RKB. Rigged up Comenters. Inc. Cemented surface casing with 75 sacks (89 ft.3) of Class B cement with 3% CaClz. Good circulation throughout job. Circulated cement to the surface. Wait on cement.
- 3/09/88 Drilling ahead at 1348'.
- 3/10/88 Drilling ahead at 2150'.
- 3/11/88 Drilling ahead at 3045'.
- 3/12/88 Drilling ahead at 3519'.
- 3/13/88 TD well at 4077 ft. at 4:00 AM 3/13/88. Circulate for 1 hour. Short trip. Trip out of hole for logs.
- 3/14/88 Finish trip out of hole for logs. Rigged up Welex. Ran IEL, FDC, CNL logs from TD to 1664 ft. Logs stuck in hole in tight spot. Work to free logging tools. Pull free at rope socket. Top of tool at 1589 ft. RKB. Wait on overshot. Trip in hole with 3 21/32" overshot. Work logging tool to bottom of hole. Circulate fill from top of fish. Trip out of hole. Did not recover fish. Trip in hole with 3 1/2" overshot. Work on fish. Trip out of hole.
- 3/15/88 Finish trip out of hole. Recovered logging tool. Trip in hole. Lay down drill pipe and collars. Ran 4 1/2" casing as follows:

<u>Description</u>	Length	Depth
KB to landing point 81 jts. 4 1/2" 10.5#/ft	12.00	0- 12
J-55 new casing (Maverick) 9 jts. 4 1/2" 11.6#/ft	3466.71	12-3479
J-55 new casing (Meridian)	383.07	3479-3862
1 differential fill float collar	1.70	3862-3863
1 jt. 4 1/2" 11.6#/ft J-55 shoe joint	42.68	3863-3906
1 cement filled guide shoe	. 85	3906-3907
	3907.01	

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

Jicarilla 458 #3

DAILY REPORT

Page 2

3/15/88 (Continued)

Centralizers at: 3885, 3819, 3777, 3734, 3692, and 3649. Rigged up the Western Company. Cemented longstring casing with 300 sx (618 ft.3) Class B cement with 2% Econolite and 1/4# celeflake/sx tailed by 125 sx (158 ft.3) 50/50 pozmix with 2% gel, 10% salt and 1/4# celeflake/sx. Good circulation throughout job. Circulated cement to the surface. Bumped plug to 2000 psi-held OK. Plug down at 7:00 PM 3/14/88. Rig down. Release rig. Wait on completion.



Form 3160-5 (November 1983)	UNITED	STATES	SUBMIT IN TRIPLICATES (Other Instructions on re	CAPITOS NEEDS JE, 1763
(Formerly 9-331)	DEPARTMENT OF		RIOR rerse alde)	5. LEASE DEGIC NATION AND SECIAL NO.
	BUREAU OF LANG			Jicarilla Contract 458
SUND	RY NOTICES AN	D REPORTS	ON WELLS	
(De not use this fo	irm for proposals to drill or Use "APPLICATION FOR PI	to deepen or plug ERMIT—" for such	back to a different recervoir.	Jicarilla Apache Tribe
i.				7. UNITY AGREEMENT HAME
MELL CAS	07855			
2. HAME OF OPERATOR	_			S. PARM OR LEASE HAMB
Robert L. Bay	rless			Jicarilla 458
	Parmington W	97400		3
4. LOCATION OF WELL ( Rep	Farmington, NM port location clearly and in a		y State requirements.*	10. FIELD AND POOL, OR WILDCAT
See also space 17 below At surface 12151	.i FNL & 230' FEL			Wildcat
1015	THE G 150 TEE		/	11. SBC., T., R., M., OR BLK. AND SURVEY OR AREA
•			/	
				Section 7, T30N, R3W
14. PERMIT NO.		NS (Show whether o		
		7089' GL '	7107' RKB	Rio Arriba   NM
16.	Check Appropriate Bo	ox To Indicate I	Nature of Notice, Report, or C	Other Data
NOT	FICE OF INTENTION TO:		BURRANGE	CENT REPORT OF:
TEST WATER SHCT-OFF	PELL OR ALTER	CASING	WATER SHUT-OFF	REPAIRING WELL
PRICTURE TREAT	MULTIPLE COMP	.ETE	PRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ARANDON*		SECOTING OR ACIDIZING	ARANDONMENT ^o
REPAIR WELL (Other)	CHANGE PLANS		(Other) Spud not:	of multiple completion on Well
SEE ATTACI	HED DAILY REPORT			
	·			
57 65	Sign Sign			Association of the Control of the Co
	70/V			
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n 2 59				Want
60 1.00 10 1.0				A STATE OF THE STA
<b>高</b> 尼			*	Comment
N. I hereby certify/that the	foregoing is true and corre	er t		N
SIGNED WY KEVIN H	J.Myorl McCord	TITLE	Petroleum Engineer	3/8/88
(This space for Federal	or State office see)			g graph and state the control of the
APPROVED BY		TITLE		DATE
CONDITIONS OF APPR	OVAL IF ANY:			

*See Instructions on Reverse Side

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

JICARILLA 458 #3
Section 7, T30N. R3W
1815' FNL & 230' FEL
Rio Arriba County, New Mexico

#### DAILY REPORT

3/08/88 Spud well at 4:00 PM on 3/7/88. Drilled 148 ft. of 9 7/8" surface hole. Ran 3 its. (130.14 ft.) of 7 5/8" 26.4#/ft S-95 LTC used casing and landed at 143 ft. RKB. Rigged up Cementers, Inc. Cemented surface casing with 75 sacks (89 ft.3) of Class B cement with 3% CaCl2. Good circulation throughout job. Circulated cement to the surface.

Wait on cement.

### SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0136

November 1983) formerly 9-331C)		TED STATES		teacise a		Expires August	31, 1985
	DEPARTMEN	T OF THE I	NTEF	RIOR		5. LEASE DESIGNATION	AND SERIAL NO.
•	BUREAU O	LAND MANA	SEMEN	VEIVED		Jicarilla Con	tract 458
APPLICATION	N FOR PERMIT	TO DRILL	DEEPI	ÉN, OR PLUG E	BACK	6. IF INDIAN, ALLOTTE	
. TYPE OF WORK	<b>3</b>					Jicarilla Apa	
DR		DEEPEN Z	5 7 1 7 S			7. UNIT AGREEMENT N	AMB
	al value of the second	C13 MM	naig	METS TERCE ADMINITIE	La 🔲	8. FARM OR LEASE NA	M D
NAME OF OPERATOR	lar-	FAR	MINUT	LITTLE WITE ALCO		Jicarilla 458	
Robert L. Ba	ayless	OCT - 5198	31			9. WELL NO.	
ADDRESS OF OPERATOR	JIJI	7.01	TOTAL	กับกั	*	3 10. FIELD AND POOL, O	D WITDCAR
P.O. Box 168	B. Farmington,	NM c874/99 1.11	h any S	tate requirements.*)	<del></del>		WILDCAL
At surface	Farmington  eport location clenitation  FNL & 230'FEL	SANTA	<u> </u>			Wildcat PC	BLE.
At proposed prod. zon				<b>7</b>		AND SURVEY OR AS	LBA
ne proposed prod. 201	Same &					Sec. 7-T30N-R	3W
. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POS	T OFFICE	•		12. COUNTY OR PARISH	13. STATE
				· ·		Rio Arriba	NM
LOCATION TO NEAREST	r		16. NO Appr	ON ACRES IN LEASE ON . 2560		OF ACRES ASSIGNED HIS WELL	
PROPERTY OR LEASE I (Also to nearest drig	g. unit line, if any)		irre	qular sections	1460	73 160	
DISTANCE FROM PROF TO NEAREST WELL, D	RILLING, COMPLETED.		19. rk	OPOSED DEPTH .	20. ROTA	RY OR CABLE TOOLS	
OR APPLIED FOR, ON TH				1080 °	1 (	)-T.D.   22. APPROX. DATE WO	BK WIII. 271078
	ether DF, RT, GR, etc.)	RILLING OPERATION BIECT TO COMPI				A. AIINOA. DAIS WO	THE WINE DIED!
7089 (	SL 7101 RKB 30	CENERAL DECIME	FMENT	WITH ATTACHED	This ac	tion is subject to tec	hnical and
<u> </u>		- Korozed (389)	*** FE W.	CEMENTING PROGRA	"procedu	ral review pursuant	to 43 CFR 318
SIZE OF ROLE	SIZE OF CASING	WEIGHT PER FO	ю <del>т</del>	SETTING DEPTH	1	in Ethodo ineuxang laec	
9-7/8"	7-5/8"	26.4#		125'		Class "B" - 71 50/50 pozmix	
6-3/4"	4-1/2"	11.6#		4080'	200 S	C 50/50 POZMIX	- 252 10
			<u> </u>		İ		
71 ft ³ , Class run 4080' of 4 2% gel and 10% loss control a	"B" cement, ci 4-1/2", 11.6#/f & salt. Circul additives. No	rculated to t, J55 casi ating mediu abnormal pr	surf ng an m wil essur	-5/8", 26.4#/ft face. Will dri nd cement with nd be clear wate es or temperate eventer schemat	11 6-3, 252 ft er, nat ures a	/4" hole to 408 3 50/50 pozmix cural mud and w ce anticipated. attached. The	0' and with ater
this formation	n is not dedica	ted to a ga	s con	itract.			9 85 4
ECULMANDO MODO	7. 0 71	- 3137					IVEN
ESTIMATED TOPS	S: Ojo Alamo Kirtland	- 3137 - 3364				SED 5	
	Fruitland	- 3493				96721	1987
•		iffs - 3696	1			Sil Congr	\$D.
	T.D.	- 4080	1				
ABOVE SPACE DESCRIBE	drill or deepen directions	proposal is to deep	en or p	lug back, give data on pin subsurface locations an	resent production of the second measure	luctive sone and propose d and true vertical depth	d new productive is. Give blowout
SIGNED KOVIN H	m H. M	Youl TIT	∟∎ <u>Pe</u> t	croleum Enginee	r	DATE July 2	29, 1987
tann space for Feder	ral or State office use)						
PERMIT NO				APPROVAL DATE	<del></del>	A DOD.	مات دن
APPROVED BY		TIT	LE.			/**	5- V1704
CONDITIONS OF APPROV	AL, IF ANY:	TIT					

131 AMER 8. Hiner

WS 6-2377

See Instructions On Reverse Side

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.

#### NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 14-65

All distances must be from the outer boundaries of the Section.										
Operator ROBERT	L. BAYLFSS	L•	JICARILLA	458	Well No.					
Unit Letter	Section	Township	Range	County						
) н	7	30 N	3 W .	Rio Arriba						
Actual Footage Loc	cation of Well:		· · · · · · · · · · · · · · · · · · ·	<u> </u>						
1815	feet from the	North line and	230 fee	ot from the Sas	it line					
Ground Level Elev:	Producing For	mation Po	ol	· · · · · · · · · · · · · · · · · · ·	Dedicated Acreager					
7039		d Cliffs	Wildcat	·	250 146173 Acres					
	1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.									
2	2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).									
1		ifferent ownership is dec initization, force-pooling		, have the interests of	f all owners been consoli-					
☐ Yes	☐ No If an	nswer is "yes;" type of c	onsolidation							
		owners and tract descrip		ctually been consolid	lated. (Use reverse side of					
	·•			consolidated (by con	nmunitization, unitization,					
	_			•	n approved by the Commis-					
	S 88°0.	5'W 61.6	4cx.		CERTIFICATION					
	21.64cm.	5'W 61.6 40!000	4.							
				I hereby	certify that the information con-					
			1,3	tained h	erein is true and complete to the					
¥	<i>3</i>		) \$	best of	ny knowledge and belief. , ,					
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9		1.	ັທ	3 /	vm M. M. Cow					
4			78	M Name						
			7	· · ·	H. McCord					
				Position						
				Petrol	Leum Engineer					
,3		[	1	Company						
610	4		230	Robert	L. Bayless, Producer					
0	4		230 - 3	Date						
>	C		9.0	July 2	29, 1987					
1	<i>SE</i> c. ≈- ∰=		·~							
<del> </del>	<b>□</b> < <del>Ţ</del>		Fd.	l hereby	certify that the well location					
<del> </del>	<u> </u>	17		shown or	this plat was plotted from field					
	<b>=</b> 3≥		1. 643 W.N. S	1 1	octual surveys made by me or					
	3			under my	supervision, and that the same					
				is true	and correct to the best of my					
<b>\$</b> .7				3 knowledg	ge and bellaf.					
2	/ JUL 3U AM II: INGTON RGSOURCE YMINGTON, NEV NEX	SEHO	1987	<u> </u>						
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