Mallon Oil Company

Denver/Colorado ♦ Carlsbad/New Mexico

NSL 10/20/97

a Mallon Resources subsidiary



September 26, 1997

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

Attn:

Mr. Mike Stogner

Re:

Jicarilla 459 No. 3

Sec. 18, T30N-R03W

Rio Arriba County, New Mexico

Dear Mr. Stogner:

Mallon Oil Company became the designated operator of the above referenced well effective January 1, 1997. There is Non Standard Location approval (no. 2575) for the Pictured Cliffs formation.

In August 1997, Mallon Oil Company temporarily abandoned the Pictured Cliffs formation and recompleted the well into the Ojo Alamo formation which is also a non standard location.

Mallon Oil Company would like to apply for Non Standard Location approval for the Ojo Alamo at the existing wellbore location. Mallon Oil Company is the sole operator within a half mile radius of this location.

Please find enclosed a copy of Mallon Oil Company's C-102 which was sent August 27, 1997 and an approved copy of the completion report (3160-4).

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

1 linkler

Sincerely,

MALLON OIL COMPANY

Duane C. Winkler Operations Manager

Mense

Enclosures

District I PO Box 1980, Hobbs, NM 88241-1980 District II 150 Drawer DD, Artesia, NM 88211-0719 District III

1000 Rio Brazos Rd., Aziec, NM 87410

PO Box 2088, Santa Fe, NM 87504-2088

District IV

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

		W	ELL LO	CAT	ION	I AND ACE	REAGE DEDI	CATION P	LAT		
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UUNTIUEN IIAL

Form 3160-4 (July 1992) • •

UNITED ATES DEPARTMENT O: HE INTERIOR

SUBMIT IN DUPLICATE*

FORM APPROVED OMB NO 1004-0137

BUREAU OF LAND MANAGEMENT Expires. February 28, 1995 on reverse side) 5 LEASE DESIGNATION AND SERIAL NO WELL COMPLETION OR RECOMPLETION REPORT AND LOG * JIC459 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 1a TYPE OF WELL OIL GAS WELL X Jicarilla Apache WELL b. TYPE OF COMPLETION 7. UNIT AGREEMENT NAME N/A NEW WORK DEEP PLUG 8. FARM OR LEASE NAME, WELL NO OVER X RESVR OTHER BACK WELL Jicarilla 459 No. 3 2 NAME OF OPERATOR Mallon Oil Company 9. API WELL NO 3. ADDRESS AND TELEPHONE NO 30-039-24306 P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596 10. FIELD AND POOL, OR WILDCAT E. Blanco, Oio Alamo 4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements*) 1658' FNL and 1901' FEL (SW NE) Unit G 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 1658' FNL and 1901' FEL (SW NE) Unit G At top prod, interval reported below Sec. 18, T30N-R3W At total depth 1658' FNL and 1901' FEL 14 PERMIT NO DATE ISSUED 12. COUNTY OR PARISH 13. STATE (SW NE) Unit G N/A N/A Rio Arriba New Mexico 15. DATE SPUDDED 16. DATE TO REACHED 17. DATE COMP (Ready to Prod.) 18. ELEVATION (DF, RKB, RT, GR, ETC+) 19. ELEV. CASINGHEAD 7075' 10/17/88 10/21/88 08/16/97 7074' GL TOTAL DEPTH, MD & TVD PLUGBACK TD, MD & TVD IF MULTIPLE COMP INTERVALS CABLE TOOLS HOW MANY DRILLED SY 4040' KB 3942' KB N/A Yes Nο 24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) 25 WAS DIRECTIONAL SURVEY MADE 3124'-3160' Ojo Alamo Ne 25 TYPE ELECTRIC AND OTHER LOGS RUN 27 WAS WELL CORED N/A No CASING RECORD (Report all strings set in well) CASING SIZE/GRADE TOP OF CEMENT, CEMENTING RECORD WEIGHT LB/F DEPTH SET (MD) -CLE SIZE AMOUNT PULLED 24# 8-5/8' 137 12-1/4 150 sks N/A 4-1/2 10.5# 4012' KB 6-3/4" 550 sks N/A LINER RECORD TUBING RECORD TOP (ME BOTTOM (MD) SACKS CEMENT * SCREEN (MD) DEPTH SET (MD) PACKER SET (M N/A N/A N/A N/A N/A 2-3/8 3058 3060 PERFORATION RECORD ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC (Interval, size, and number) DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 3124'-3128' 5 holes 5 holes 3137'-3141' 3124'-3160' 500 gls 7-1/2% acid 9 holes 3145'-3153' 3156'-3160' 5 holes 33.* PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) DATE FIRST PRODUCTION WELL STATUS (Producing or Shut In) 08/19/97 Flowing Producing DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N FOR OIL - BBL GAS - MCF WATER - BBL GAS-OIL RATIO TEST PERIOD 24 1/2" 08/15/97 Ω 953 0 CASING PRESSURE FLOW TBG PRESS CALCULATED OIL - BBL GAS - MCF WATER - BBL OIL GRAVITY - API (CORR.) 24-HOUR RATE 155 0 0 953 0 N/A 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY Sold T. Lindeman 35. LIST OF ATTACHMENTS N/A 36. I hereby certify that the foregoing and attached information is mple(e,and correct as determined from all available records SIGNED TITLE Operations Manager DATE

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

Title 18 U.S.C. 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

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

September 14, 1988

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

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

Attention: Price M. Bayless

Administrative Order NSL-2575

Dear Mr. Bayless:

Reference is made to your application of July 20, 1988 for a non-standard well location for your Jicarilla 459 Well No. 3 to be located 1658 feet from the North line and 1901 feet from the East line of Section 18, Township 30 North, Range 3 West, NMPM, East Blanco Pictured Cliffs Pool, Rio Arriba County, New Mexico. The NE/4 of said Section 18 shall be dedicated to the well.

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

Sincerely,

William J. LeMay

Director

WJL/DRC/ag

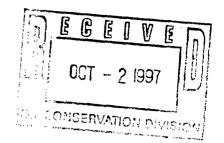
cc: Oil Conservation Division - Aztec

New Mexico Oil & Gas Engineering Committee - Hobbs

US Bureau of Land Management - Farmington

Mallon Oil Company

Denver/Colorado ♦ Carlsbad/New Mexico



October 1, 1997

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

Attn:

Mr. Mike Stogner

Re:

Additional information to process an exception to Rule 104.

Dear Mr. Stogner:

Enclosed please fine the additional information required to process an exception to Rule 104 under the guidelines of Section (F), Paragraph (1). We are requesting the exception for the following wells:

Jicarilla 459 No. 5 Sec. 19, T30N-R3W Rio Arriba County, New Mexico

NSL: 2518

Present exception for Picture Cliff Formation. Requested exception for Ojo Alamo Formation.

Jicarilla 459 No. 8 Sec. 20, T30N-R3W Rio Arriba County, New Mexico

NSL: 2576

Present exception for Picture Cliff Formation. Requested exception for Ojo Alamo Formation. Mr. Mike Stogner State of New Mexico Oil Conservation Division Page 2.

Jicarilla 459 No. 3 Sec. 18, T30N-R3W

Rio Arriba County, New Mexico

NSL: 2575

Present exception for Picture Cliff Formation.

Requested exception for Ojo Alamo Formation.

Attached is a map showing the Leases held by Mallon Oil Company and how they offset the wells in question. I appreciate the assistance you have given us on this matter should you require additional information please contact me at (505) 885-4596.

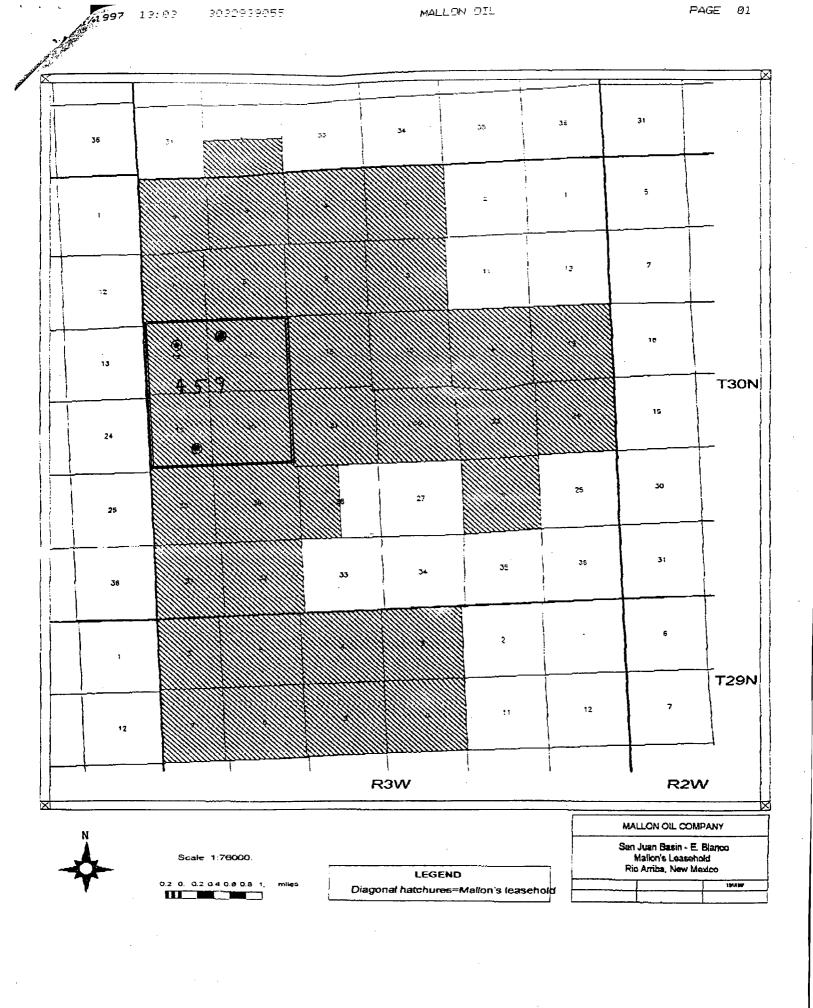
Sincerely,

MALLON OIL COMPANY

Terry Lindeman

Exploration/Production Superintendent

Enclosures



District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV

PO Box 2088, 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-10; Revised February 10, 199.

Instructions on bac

Submit to Appropriate District Office State Lease - 4 Copie

Fee Lease - 3 Copie

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

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

PO Drawer DD, Artesia District III	ia, NM 88211-0719		PO Box 2088 5 Coples Santa Fe, NM 87504-2088						
1000 Rio Brazos Rd.,	Aztec, NM 87410								AMENDED REPORT
District IV PO Box 2088, Santa F	Fe, NM 67504-2088								
1.				FOR ALLOW	ABLE AND A	UTHORIZAT	ION TO TE	RANSPORT	2. OGRID Number
}	M.II 01 0		1, Operator	Name and Address					013925
	Mallon Oil C								Reason for Filing Code
	P.O. Box 32								
	Carlsbad, N	M 88220	(505) 885-4	1596					CH Effective 1/1/97
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	30-039-243	06	,		Undes. Ojo A				
	7. Property Code	,				perty Name			9. Well Number
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40.	Choka Size		i1. Oli	42.	Water	43. 0	ies	44. AOF	45. Test Method
46 Thereby cer	tify that the rules of t	he Oil Conservation	on Division have be	en complied					
1	e information given a	bove is true and o	complete to the bes	t of my		OIL C	ONSERVA	ATION DIVISION	ON
knowledge and Signature:	belief.				Approved By:				
	Jues M	Austra	A		1			- 3	
Printed Name:	uccus-108	-CANCELLE	<i>∨</i> √		Title:	,		P. S R DISTRIC	
	Theresa A. I	VicAndrews	;		#	SUPE	RVISO	A DISTRIC	T #3
Title:					Approval Date				
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/		•	OODID 244		- medurading			Title	Date
	Robert L. B	ayıess	OGRID 019	9410					

State of New Mexico

Energy, Minerals & Natural Resources Departmen

Form C-104 Revised February 10, 1994 Instructions on back Submit to Appropriate District Office 5 Copies

OIL CONSERVATION DIVISION Submit to Appropriate District Office District # PO Box 2088 Santa Fe, NM 87504-2088 District III AMENDED REPORT District IV REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT 013925 Mallon Oil Company P.O. Box 3256 СН Carlsbad, NM 88220 (505) 885-4596 Effective 1/1/97 4 API Number 72400 30-039-24306 E. Blanco, Pictured Cliffs 001849- 301/63 Jicarilla 459 3 10. Surface Location Ut or lot no. B 18 30N **3W** N/A 1000 North 1785 East Rio Arriba County 11. Bottom Hole Location UL or lot no Lotion Feet From the Feet From the В 18 30N **3W** N/A 1000 North 1785 East Rio Arriba County F 01/19/89 F Oil and Gas Transporters III. 21. O/G 22. POD ULSTR Location OGRID and Description Mallon Oil Company B-18-30N-3W 37193 G 521520 P.O. Box 3256 Carlsbad, NM 88220 **Produced Water** 24 POD ULSTR Location and Descrip B-18-30N-3W **Well Completion Data** 30. Hole Stae 31. Casing & Tubing Size 32. Depth Set 33. Sacks Cement VI. Well Test Data 35. Gas Delivery Date 36. Test Date 37. Test Length 38. Tbg. Pressure 39. Csg. Pressure 40. Choke Size 41. Ol 45. Test Method 42. Water 44. ACF 48 I hereby certify that the rules of the Oil Conservation Division have been complied OIL CONSERVATION DIVISION with and that the inform knowledge and bellef. Dures a. McGudreus 478 Printed Name SUPERVISOR DISTRICT #3 Theresa A. McAndrews Approval Date Title Office Manager MAR 1 0 1997 02/10/97 (505) 885-4596

Penn H. Manl

Pet Engineer 2/13/97

47. If this is a change of operator fill in OGRID number and name of the previous operator

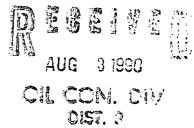
OGRID 019418

Previous Operator Signature

Robert L. Bayless

State of New Mexico Form C-102 PO Box 1980, Hobbs, NM 88241-1980 Znergy, Minerals & Natural Resources Department Revised October 18, 1994 District II Instructions on back 811 South First, Artesia, NM 88210 OIL CONSERVATION DIVISION Submit to Appropriate District Office District III 2040 South Pacheco State Lease - 4 Copies 1000 Rie Brazos Rd., Azioc, NM 87410 Santa Fe, NM 87505 Fee Lease - 3 Copies District IV 2046 South Pacheco, Santa Fe, NM 87505 AMENDED REPORT 496 MB - 24 BM 8 52 WELL LOCATION AND ACREAGE DEDICATION PLAT API Number 30-039-24306 30N3W18G, OTO ALAMO CO 4 Property Code Well Number OGRID No. 70 34 Range Lot Ida Feet from the North/South line UL or lot no. Feet from the East/West line Section Township County ON 8 1658 NORTH 1501 LE A 57 سو) 11 Bottom Hole Location If Different From Surface Lot Ida Feet from the Township North/South line Feet from the East/West line UL or lot no. Section Range County 12 Dedicated Acres 13 Joint or Infill ¹⁴ Consolidation Code 160 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 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Robert L. Bayless Printed Name Operator Title <u> April</u>23. "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 Seal of Professional Surveyer: Certificate Number

Ferm 3160-5 (November 1983) (Formerly 9-331)	DEPARTM	. INITED STATES ENT OF THE INT OF LAND MANAGEM		Jicavilla Contract 459
	this form for proposal Use "APPLICAT	ES AND REPORT	S ON WELLS Plug back to a different fewervolr. RECEVED	Jicarilla Apache Tribe
3. ADDRESS OF OPER	. Bayless	'90 AUG	7 AN 8 56	S. FERM OR LEASE NAME Jicarilla 459 S. VELL NO. 3 10. FIELD AND POOL OR WILDCAT
See also space 17 At surface	658 FNL & 19		and State requirements.	East Blanco P.C. 11. SEC., T., E., M., OR BLE. AND BURVEY OR AREA Sec. 18, T30N, R3W
14. PERMIT NO.	Chark Apr	7074 GL; 70		12. COUNTY OR PARISH 13. STATE Rio Arriba NM
	NOTICE OF INTENT			EQUENT REPORT OF:
TEST WATER SH FRACTURE TREAT SHOOT OR ACIDIA REPAIR WELL (Other) 17. DESCRIBE PROPOS Proposed work nent to this wo	ZE. AB X CH FD OR COMPLETED OPERA C. If well is direction	CLL OR ALTER CASING LITIPLE COMPLETE DANDON* (ANGE PLANS ATIONS (Clearly State all per ally drilled, give subsurface	Completion or Recon	REFAIRING WELL X ALTERING CASING ABANDONMENT* lts of multiple completion on Well apletion Report and Log form.) es, including estimated date of starting any titcal depths for all markers and zones perti-
7-11-90	Class B ceme gamma ray tr	nt containing 5 acer log and fou	d Cementers, Inc. Pump mc radioactive tracer of nd bottom of cement at job. (gamma ray tracer	down the bradenhead. Ran 505 ft. Cement from
Please r	efer to your	letter dated Sep	tember 12, 1989 to Robe	ert L. Bayless.

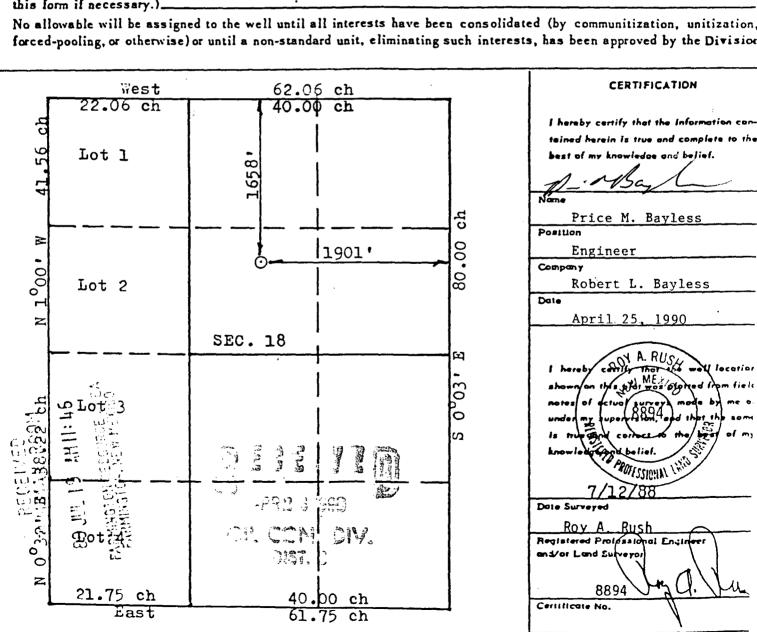


18.	SIGNED Kevin H. McCord		Petroleum Engineer	DATE 7-19-90
•	(This space for Federal or State office use) APPROVED BY	TITLE _		ACCEPTED FOR RECORD
	CONDITIONS OF APPROVAL, IF ANY:		NMOCD	JUL 26 1990
	* S	ee Instruct	ions on Reverse Side	FARMINGTON RESOURCE AREA BY

P. O. BOX 2088

Form C-102

ENERGY MO MIN	ERALS DEPARTM	ENT	SANTA F	FE, NEW ME	XICO 87501	, D	Revised 10-1-
•		All dist	ences must be	from the outer bo	underles of the Beeston.		•
Operator Robe:	rt L. Bay	less		Lease	Jicarilla 45	9	Well No.
Unit Letter . G	Section Sign	12 Tombie	, <u>2</u> 3	Range 3	County	io Arriba	
1658	tion of Well;	North	line and	1901		Post	line
Ground Level Elev. 7034	Producing 010	Formation Alamo		P∞1 Undes	signated Ojo Al		ited Acreoge;
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No allowat	le will be assi	~			ve been consolidat ating such interest	•	
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Form 3160-5 November 1983) Formerly 9-331)	UNITED STA	IE INTERIO	81'BMIT IN TRIPLIC (Other lastructions of verse side)	S. LEASE DESIGNATION AND SERIAL	₽0 .
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23 - 171	m for proposals to drill or to d Jee "APPLICATION FOR PERMI	T— for such prop	ocals.)	Jicarilla Apache Tri	i be
2. HAME OF UPRRATUR				8. FARM OR LEASE NAME	
Robert I	Bayless			Jicarilla 459 9. WBLL NO.	
P.O. Box 1	68, Farmington, NM	87499	ate requirements	10. FIELD AND POOL, OR WILDCAT	
See also space 17 below.	FNL & 1901' FEL	dente una aby ou		East Blanco Pictured 11. SPC., T., R., M., OR BLK. AND SURVEY OR ARRA	<u>d</u> C1
14. PERMIT NO.	15. BLEVATIONS (Show whether DF, RT	r, GR, etc.)	Section 18, T30N, F	R3W
	70.74		' RKB	Rio Arriba NM	
16.	Check Appropriate Box T	o Indicate Nat	ure of Notice, Report,	or Other Data	_
707	TICE OF INTENTION TO:	!	2	UBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CAS	ING	WATER SECT-OFF	REPAIRING WELL	
PRACTURE TREAT	MULTIPLE COMPLETE	-	PRACTURE TREATMENT	ALTERING CASING	
RHOOT OR ACIDIZE	ABANDON* CHANGE PLANS	<u></u> ! !	SHOOTING OR ACIDIZIN (Other) Cemen	t bond log X	
				results of multiple completion on Well	
17. DESCRIBE PROPRISED OF CO proposed work. If we nent to this work; *	log performed on	subsurface location	Completion or Rietalls, and give pertinent and measured and true	ecompletion Report and Log form.) dates, including estimated date of starting vertical depths for all markers and sones p	any perti-
17. DESCRIBE PROPRIED OR CO proposed work. If we nent to this work.; *	log performed on	subsurface location	retails, and give pertinent is and measured and true howing top of c	ecompletion Report and Log form.) dates, including estimated date of starting vertical depths for all markers and sones p	; any perti-
17. DESCRIBE PROPOSED OR CO Proposed work. If we nent to this work.;* Cement bond (Log attache)	log performed on ed) foregoing is true and correct Bayless or State office use)	TITLE	etalls, and give pertinent is and measured and true howing top of c	dates including estimated date of starting vertical depths for all markers and somes prement at 1000'.	×rti-
Cement bond (Log attache In I bereby certify that the SIGNED Price (This space for Federal APPROVED BY	log performed on ed) foregoing is true and correct M. Bayless or State office use)	TITLE	etalls, and give pertinent is and measured and true howing top of c	ement at 1000'. DATE 10/23/89 ACCEPTED FOR REC	ORI

Torm 3160-5 November 1983) Formerly 9-331)	UNITED STATES DEPARTMENT OF THE I	NTERIO	SUBMIT IN TRIPLICATES (Other instructions on reverse aids)	Form approved. Budget Bureau No. 1004-0135 Expires August 31, 1085 5. Lease Designation and SERIAL NO. Jicarilla Contract 459
SUNDI	NOTICES AND REPORT OF THE POPULATION FOR PERMIT	DIC ON	WELLS to a different reservoir.	6. IF IMPIAN, ALLOTTES OR TRIBS NAME Jicarilla Apache Tribe
ott 433	- 100 tan		`	7. UNIT AGREEMENT NAME
WELL WELL X	OTHER			S. FARM OR LEASE NAME
Robert L.	Bayless			Jicarilla 459
ADDRESS OF OPERATUR	40 P	4.00		9. WELL NO.
LOCATION OF WELL (Repo	68, Farmington, NM 87 rt location clearly and in accordance		te requirements.*	10. FIELD AND POOL, OR WILDCAT
See also space 17 below. At surface 1658 f	FNL & 1901' FEL		·	Undes. Ojo Alamo 11. EBC, T., E., M., OR BLE, AND SURVEY OR AREA
. PERMIT NO.	15. ELEVATIONS (Show)	vhether OF, RT.	CR. etc.)	Section 18, T30N, R3W
Taketta po.	7074' GL		!	Rio Arriba NM
•	Check Appropriate Box To Inc	licaie Nati	re of Notice, Report, or O	
NOT	ICE OF INTENTION TO:	!		ENT REPORT OF:
. TEST WATER SHUT-OFF	PULL OR ALTER CASING		WATER SHUT-OFF	REPAIRING WELL
PRACTURE TREAT	MULTIPLE COMPLETE	_	PRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON®	-	(Other) productio	n info
(Other)		!	(Note: Report results	of multiple completion on Well tion Report and Log form.)
Date of Hours Te Choke si Tubing P Casing P	tted 4/21/89: Test - 4/19/89 to 4/2 sted - 7 days ze - 1/2" ressure - 92 ressure - 695 c. 24-hr. rate) - 553			JUL 2 5 1988 COM DAY DOTE 0
I bereby certify that the SIGNED Kevin H (This space for Federal of APPROVED BY CONDITIONS OF APPRO	foregoing is to be and correct		DENTIAL etroleum Engineer	
	-	NMOCD)	JUL 2 C 1989
			Revene Side	EARMINGTON RESOURCE AREA

Title 15 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 faise, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

			i	Form appro	ved. reau No. 1004-0135
Form 3160-5 November 1983)	UNITED STATI		TRIPLICATE*	Expires Au	gust 31, 1985
Formerly 9-331)	DEPARTMENT OF THE	,	ı		
	BUREAU OF LAND MAN				Contract 459
SUN	IDRY NOTICES AND REP	ORIS ON WELLS	reservoir		
The not the this	Corm for proposate to drill gritte desponse "APPLICATION DOR PERMIT	for such proposals	VED	Jicarilla	Apache Tribe
010 - 648		ا / است ک است ژ	7 <u>- U</u>	7. UNIT AGREEMEN	IT NAME
WELL WELL	XI OTHER	JUN I 3	1020	8. FARM OR LEASE	NAME
-	Bayless	2014 1 2	1303	Jicarilla	
3. ADDRESS OF OPERATO		BUREAU OF LAND N	JANAGEMENT	9. WHLL NO.	437
P.O. Box	c 168, Farmington, NM 8	7499 FARMINGTON RESC	· · · · · · · - ·	3	
4. LOCATION OF WELL () See also space 17 bei	Report location clearly and in accordance (ow.)	e with any State requirements	•	10. FIELD AND POO	DL, OR WILDCAT
At surface 165	58' FNL & 1901' FEL)jo Alamo
				11. aBC., T., R., M., SURVEY OR	OR BLK. AND ARMA
				Cantian :	10 TON DOLL
14. PERMIT NO.	15. BLEVATIONS (Show	whether DF, RT, GR, etc.)		12. COUNTY OF PA	18, T30N, R3W
	7074' G	L 7086' RKB		Rio Arril	oa NM
16.	Check Appropriate Box To I	ndicate Nature of Notice	Report or Ot		
	NOTICE OF INTENTION TO:	indicate regione of resince	•	NT REPORT OF:	
				AT ESPORT OF	
TEST WATER SHUT-O	: i	WATER SHU			NG WELL
PRACTURE TREAT SHOOT OR ACIDIZE	MULTIPLE COMPLETE ABANDON®	FRACTURE T	· · · ·	ABANDO	NG CABING
REPAIR WELL	CHANGE PLANS	(Other)			
(Other) Gas	venting extension	X (Note	: Report results o	f multiple completed to Report and Lo	tion on Well g form.)
(Verbal ap	de-day extension to vent oproval was received from whole assemblies in thi We anticipate this w	om Errol Becher on s well which will	6/12/89). require mo	We wish tre flaring	o change of Ojo
			. The state of the		•
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		•		· · · · · · · · · · · · · · · · · · ·	
			\$. *		
		•			
8. I hereby certify that SIGNED	mH. M Coux TI	rLE Petroleum En	gineer	. DATE	6/12/89
(This space for Feder	n H. McCord				.,
				•	
CONDITIONS OF AP		TLE		DATE	
		DNFIDENTIAL			
	*See In	structions on Reverse Side	:	47.1	

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.

		TITLE			TED FOR RECORD
(This space for Federal APPROVED BY	l or State office use)			ACCEP	
SIGNEDPrice.	M. Bayless	TITLE	Engineer	DATE	6/30/89
I hereby certify that th	e foregoing is true and co	orrect			······································
	•		FIDENTAL	1	DIST. 3
			× ,	 · 	ON. DIV.
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<u></u>	•				•
attached gas open, Pictur off Ojo Alam	analysis shee ed Cliffs close o perforations	ts). Run tub ed. Clean up . Open Pictu	rations varying ing as shown in a Ojo Alamo. Closered Cliffs. Cleamo shut in for fu	Attachment "A" se sliding slean zone to pit	with Ojo Alamo eve to shut . Put Pictured
proposed work. If nent to this work;* Well was com	med is directionally drilled in the (d. give subsurface locat Ojo Alamo fori	mation and teste	d. Gas analys	is confirms
(Other)	COMPLETED OPERATIONS (C)	early state all pertinen	Completion or F	results of multiple comp Recompletion Report and t dates, including estimat	Log form.)
REPAIR WILL	CHANGE PLA	NF		iple completion	
PRACTURE TREAT	MULTIPLE CO	OMPLETE	PRACTURE TREATMENT	i :	RING CASING
TEST WATER SHUT-OF	PULL OR ALT	ER CASING	WATER SHUT-OFF	BEPA	RING WELL
No	OTICE OF INTENTION TO:		!	SUBSEQUENT EMPORT OF:	
	Check Appropriate	Box To Indicate N	lature of Notice, Report	t, or Other Data	
		7074' GL 708	36' RKB	Rio Arr	iba NM
PERMIT NO.	15. ELEVA	TIONS (Show whether or	, RT, GR. etc.)		18, T3ON, R3W
See also space 17 below At aurface 1658	".) 5' FNL & 1901' F.	EL	}	Undes.	Ojo Alamo
LOCATION OF WELL (Re	168, Farmington port location clearly and t	, NM 87499 n accordance with any	State requirements.*	10. FIELD AND	3 POOL, OR WILDCAT
Robert L.	bayless			Jicarill 9. WELL NO.	a_419
NAME OF OPERATOR	Paulana		. /	8. FARM OR LEA	
WELL WELL _	X. OTHER	30 III I	7 25 Hr 9/27		
The nut like this t	Use "APPLICATION FOR	PERMIT— for such p	9 25 0 5 65		a Apache Tribe
	DRY NOTICES A			''	LLOTTEE OR TRIBE NAME
	BUREAU OF LA	ND MANAGEMEN			a Contract 459
ovember 1983) ormerly 9–331)	DEPARTMENT C) STATES)F THE INTER!	SI'BMIT IN TRIPLI (Other instructions IOR verse aids)	on / res	August 31, 1985

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 faise, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Note: Only undersize cups will go through sliding sleeve.

333 E. Main St.

Farmington, NM 87401

DATE: 3-31-89

** GAS ANALYSIS **

Company name: R.L. Bayless Production

Well Name: JIC. 459 43 Formation:

Well Location : County, state :RIO ARRIBA/NM

Leace Fo. : Sample Source:

Entw sampled: 3-30-89 Collings Mo.:

Tapan (Et): Sample temp. (deg F):

Dan. Production Rate (MCFD): Sample Pressure (PSIG):

Analysis date: 3-31-89 Samples py:

Cas	Mole 3	E.1.J.	C.V.M.	Sp. Gr.
3. Met 4. CO2 5. Eth 5. Pro 7. Iso 8. But 9. i-F	rocen 0.000 hane 93.252 0.023 ane 5.647 pane 0.376 butane 0.291 ane 0.136 entane 0.089 atane 0.027 anes 0.159	0.000 941.360 0.000 99.870 9.460 9.460 6.430 3.553 1.080 7.560 0.000	0.000 0.000 0.000 0.000 0.103 0.095 0.006 0.033 0.010 0.065 0.000	0.0000 0.0000 0.5165 0.0003 0.0586 0.0057 0.0058 0.0027 0.0022 0.0006 0.0047 0.0000
Totals	100.000	1076.970	0.348	.0.5971

Net (dry) heating value per cu. ft. 6 14.696 PSIA.

Note: B.T.U, G.P.M., and Sp. Gr. are calculated values based on ideal gas constants in the Engineering Data Book of the GPSA, 1981. Saturated gross heatimalue @ 14.696 PSIA may be determined by multiplying by 0.9826.

DATE: April 4 1989

Gas Analysis

Company name: R. L. Bayless

Well Name: Jicarilla 459-3 Formation:

Well Location : County/state : Rio Arriba NM

Lease No. : Sample Source: Well head

Submitted by: Kevin McCord Field:

Date sampled: 3-31-1939 Cylinder No.:

Depth (ft): Sample temp. (deg F):

Est. Production Rate (MCFD): Sample Pressure (PSIG):

Analysis date: 3-03-1989 Sampled by:

Gas	Mole %	3.T.U.	G.F.M.	Sp. Gr.
1. Oxygen	0.000	0.00 0	0.000	0.0000
2. Nitrogen	0.075	0.000		0.0007
3. Methane	92.210	931.040	0.000	0.5107
4. CO2	0.073	0.000	0.000	0.0011
5. Ethane	5.928	104.840	0.000	0.0615
6. Propane	0.838	21.090	0.230	0.0127
7. Isobutane	0.316	19.279	0.103	0.0063
3. Butane	0.137	4.469	0.043	0.0027
3. i-Pentane 10. Pentane	0.094	3.750 1.160	0.034 0.010	0.0023 0.0007
11. Hexanes	0.160	7.600	0.066	0.0047
12. H2S	0.140	0.980	0.000	0.0016
Totals	100.000	1034.230	0.487	0.6050

Net (dry) heating value per cu. ft. @ 14.636 PSIA.

Note: B.T.U, G.P.M., and Sp. Gr. are calculated values based on ideal gas constants in the Engineering Data Book of the GPSA, 1981. Saturated gross heating value @ 14.696 PSIA may be determined by multiplying by 0.3826.

TECH INC.

333 E. Main St.

Farmington, NM 87401

DATE: 4-26-89

** GAS ANALYSIS **

Company name: R.L. Bayless Production

Well Name: JICARILLA 459 #3 Formation: OJO ALAMO

Well Location : SW4 NE4 SEC 18 T30N R3WCounty/state :RIO ARRIBA/NEW MEXICO

Lease No. : Sample Source:

Submitted by : T. JONES Field:

Date sampled: 4-25-39 Cylinder No.:

Depth (ft): Sample temp. (deg F):

Est. Production Rate (MCFD): Sample Pressure (PSIG): 650

Analysis date: 4-26-39 Sampled by: T.JONES

Ga	s	Mole %	B.T.U.	G.P.M.	Sp. Gr.
2. 3. 4. 5. 6. 7. 8.	CO2 Ethane Propane Isobutane Butane i-Pentane Pentane Hexanes	0.000 0.000 93.811 0.064 4.839 0.672 0.249 0.108 0.078 0.019 0.130 0.030	0.900 0.000 947.200 0.000 85.580 16.910 8.090 3.520 3.110 0.760 6.180 0.010	0.000 0.000 0.000 0.000 0.000 0.185 0.081 0.005 0.028 0.007 0.053 0.000	0.0000 0.0000 0.5196 0.0009 0.0502 0.0102 0.0049 0.0031 0.0019 0.0038 0.0038
Tota	als	100.000	1071.360	0.388	0.5943

Net (dry) heating value per cu. ft. @ 14.696 PSIA.

Note: B.T.U, G.P.M., and Sp. Gr. are calculated values based on ideal gas constants in the Engineering Data Book of the GPSA, 1981. Saturated gross heating value @ 14.696 PSIA may be determined by multiplying by 0.9826.

DATE: 5-11-89

GAS ANALYSIS

Company name: R.L. Bayless Production

TECH, Inc. 333 East Main

Well Name: J!CARILLA 459 #

Formation:

Lamington

Well Location: SW4 NE4 SEC18 T30N R3W County/state:RIO ARRIBA/NM 87401

New Merco

Lease No. :

Sample Source:

505/327 3311

Submitted by : KEVIN MCCORD

Field:

Date sampled: 5-10-89

Cylinder No.:

Depth (ft):

Sample temp. (deg F):

Est. Production Rate (MCFD):

Sample Pressure (PSIG):

Analysis date: 5-10-89

Sampled by: KEVIN MCCORD

Gas	Mole %	B.T.U.	G.P.M.	Sp. Gr.
l. Oxygen	0.000	0.000	0.000	0.0000
2. Nitrogen	0.000	0.000	0.000	0.0000
 Methane 	92.396	932.920	0.000	0.5117
4. CO2	0.104	0.000	0.000	0.0015
5. Ethane	6.023	106.520	0.000	0.0625
Propane	0.833	20.960	0.229	0.0126
7. Isobutane	● 0.304	9.880	0.099	0.0061
8. Butane	0.133	4.330	0.006	0.0026
9. i-Pentane	e 0.091	3.630	0.033	0.0022
10. Pentane	0.023	0.920	0.008	0.0005
ll. Hexanes	0.093	4.420	0.038	0.0027
12. H2S	0.000	0.000	0.000	0.0000
Totals	100.000	1083.580	0.449	0.6024
IOCAIS	100.000	1083.280	U.449	0.60

Net (dry) heating value per cu. ft. @ 14.696 PSIA.

NOTE: B.T.U., G.P.M., and Sp. Gr. are calculated values based on ideal gas constants in the Engineering Data Book of the GPSA, 1981. Saturated gross heating value @ 14.696 PSIA may be determined by multiplying by 0.9826.

DATE: 12 MAY 1989

GAS ANALYSIS

TECH, Inc. 333 East Main Farmington New Mexico 87401

505/327-3311

Company name: R.L. Bayless Production

Well Name: JICARILLA 459 #3

Well Location :

Lease No. :

Submitted by :

Date sampled: 5-12-89

Depth (ft):

Est. Production Rate (MCFD):

Analysis date: 5-12-89

Formation:

County/state :

Sample Source:

Field:

Cylinder No.:

Sample temp. (deg F):

Sample Pressure (PSIG):

Sampled by:

Gas	5	Mole %	B.T.U.	G.P.M.	Sp. Gr.
1.	Oxygen	0.000	0.000	0.000	0.0000
	Nitrogen	0.000	0.000	0.000	0.0000
	Methane	92.275	931.700	0.000	0.5111
	CO2	0.085	0.000	0.000	0.0012
	Ethane	5.892	104.210	0.000	0.0611
	Propane	0.827	20.810	0.227	0.0125
	Isobutane	0.309	10.050	0.101	0.0062
8.	Butane	0.138	4.500	0.006	0.0027
9.	i-Pentane	0.094	3.750	0.034	0.0023
	Pentane	0.031	1.240	0.011	0.0007
11.	Hexanes	0.207	9.840	0.085	0.0061
12.	H2S	0.142	0.090	0.000	0.0016
Tota	als	100.000	1086.190	0.502	0.6055

Net (dry) heating value per cu. ft. @ 14.696 PSIA.

B.T.U., G.P.M., and Sp. Gr. are calculated values based on ideal gas constants in the Engineering Data Book of the GPSA, 1981. Saturated gross heating value @ 14.696 PSIA may be determined by multiplying by 0.9826.

H2S Public Protection Plan

ROBERT L. BAYLESS P.O. BOX 168 Farmington, New Mexico 87499

ACTION PLAN FOR ACCIDENTAL RELEASE OF H2S from a Producing Well

Jicarilla 459 #3

1658' FNL & 1901' FEL

Section 18-T30N-R3W

Rio Arriba County, New Mexico

I. PURPOSE:

The purpose of this plan is to safeguard the lives of the public, contract personnel, and company personnel in the event of equipment failures or disaster while producing gas from formations which may contain Hydrogen Sulfide Gas (H2S).

ROBERT L. BAYLESS has specified materials and practices for producing this well to protect the safety of all concerned. However, as a precautionary measure this contingency and evacuation plan has been prepared to further assist the safety of all concerned.

II. DESCRIPTION OF HYDROGEN SULFIDE GAS:

H2S is a colorless gas which smells similar to rotten eggs in low concentrations. In large concentrations however, the sense of smell may be paralyzed rapidly. H2S is an extremely toxic gas that must be treated with extreme care to prevent injury to people. H2S is heavier than air (specific gravity = 1.19) and on still days tends to accumulate in low places. This accumulation could build up and lead to dangerous concentrations. However, if the H2S gas is warmer than air, it will tend to rise until cooled off and could affect workers above the escaping source.

The toxicity of H2S is as follows:

Period of Exposure:

Prolonged exposure - no adverse effects	10 PPM
Over 1 hour could be hazardous	150 PPM
Possibly fatal in less than 1/2 hour	300 PPM
Fatal in a few minutes	700 PPM

III. TREATMENT OF HYDROGEN SULFIDE POISONING:

- A. Remove the patient to fresh air, call physician or ambulance if possible.
- B. If breathing is labored or has ceased, give artificial resuscitation immediately. Continue until physician is available, even if person appears to be not breathing. Should disaster conditions make it impossible to move to fresh air, keep on your mask and use resuscitator on patient.

Condition: Red - EXTREME DANGER

Cause for Condition:

- 1. Uncontrolled Well
- 2. Poison gas present above threshold levels

Emergency Procedures:

Condition Yellow:

- 1. Check safety equipment and keep it with you
- 2. Be alert for a change in condition warning sign
- 3. Follow instructions

Condition Red:

Upon release of potentially hazardous volume of hydrogen sulfide gas, this program shall be initiated immediately.

- 1. Evacuate all persons off location to "safe briefing area" that is crosswind. Check that all persons are present. If not, proceed with evacuation from hazardous area in the following manner:
 - a. Two persons, re-enter hazardous area with air packs and each attached to an assistant via safety line. The assistant shall also be wearing respiratory equipment but outside of the hazard area.
 - b. Locate and evacuate all other persons in hazardous area to safety briefing area.
 - c. Proceed with emergency first aid to all injured. Call for ambulance and alert hospital that victim is being transported, giving estimated time of arrival.

MEDICAL PERSONNEL

Hospital, San Juan Regional Medical Center Farmington, New Mexico	505-325-5011
AMBULANCE	505-325-3501
Public Health Service, Dulce, New Mexico	505-759-3291

- 2. Locate. define problem, and proceed with emergency shut-in procedures at wellhead.
- 3. Stay in "Safe Briefing Area" unless instructed to do otherwise. Continuously monitor air quality in briefing area.
- 4. Only enter hazardous area with adequate air supply and attended by someone with a safety rope.
- 5. Call Company personnel in the following order, until one is contacted. Inform him of the problem and what actions have been taken.

<u>NAME</u>	<u>OFFICE</u>	<u>RESIDENCE</u>
David E. Ball	505-326-2659	505-632-2025
Kevin H. McCord	505-325-6900	505-327-3162
Tucker Bayless	505-327-7214	505-325-8154
A. V. (Sonny) Green	505-327-7214	505-632-2861
Robert L. Bayless	505-326-2659	505-325-8985

NOTE: Radio Number for all above is 505-327-0880

6. Notify the appropriate agencies and law officers that an emergency situation exists and help is needed.

LAW ENFORCEMENT AGENCIES

Dulce	e Police			505-334-6107
POL _I O	CE:			
	Jicarilla	Apache	Tribal	Police505-325-0422

New Mexico State Police-----505-325-7547

OIL & GAS CONSERVATION COMMISSION

New Mexico Oil & Gas Cons Aztec, New Mexico	servation Commission	(505)	334-6178
	BUREAU OF LAND MANAGEMENT		
BLM (Oil & Gas Operations Farmington, New Mexico	s) 	505-32	27-5344
	FIRE DEPARTMENT		
Bloomfield, New Mexico Dulce, New Mexico		505-6: 505-75	32-8011 59-3463
	JICARILLA APACHE TRIBE		
Realty Division Dulce, New Mexico		505-73	59- <i>3485</i>
	BUREAU OF INDIAN AFFAIRS		
Jicarilla Agency Dulce, New Mexico	· 	505-75	59-3676

- 7. If warranted, roads with 100 PPM radius will be closed to general traffic.
- 8. In the event that a blowout should occur, the decision regarding ignition of the escaping gas will be made by the RLB representative on location after consultation.
- 9. Meet with appropriate agencies and law officers as soon as practical to brief them on the situation and coordinate evacuation efforts.

Form 3160-5 November 1983)	UNITED ST DEPARTMENT OF T		SUBMIT IN TRIPLICATE	
Formerly 9=331;	BUREAU OF LAND			Jicarilla Contract 459
CLINIC	ORY NOTICES AND		WELKS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Do not upor this fo	orm for proposals to drill or to Use "APPLICATION FOR PERS	deepen or plug back	to a different reservoir.	
	OW APPLICATION FOR PERS	III — IBF suca propos		Jicarilla Apache Tribe
OP: GAN				
2. NAME OF OPERATOR				S, FARM OR LEASE NAME
Robert L.	Bayless			Jicarilla 459
	168, Farmington, NM	97/00		3
1. LOCATION OF WELL (Re	port location clearly and in acco	rdance with any Stat	e requirements.*	10. FIELD AND POOL, OR WILDCAT
See also space 17 below At surface 1658	' FNL & 1901' FEL			Undesignated Ojo Alamo
				11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
				Carrier 10 T20N P2U
14. esimir so	15. ELEVATIONS	Show whether DF, RT,	GR. etc.)	Section 18, T30N, R3W 12. COUNTY OR PARISH 13. STATE
	7074	'GL 7086'	RKB	Rio Arriba NM
16.	Check Appropriate Box	To Indicate Natur	re of Notice, Report, or	
No	TICE OF INTENTION TO:	!		QUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER UN	RING	WATER SHUT-OFF	REPAIRING WELL
FRATTURE TREAT	MULTIPLE COMPLET	;	PRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*		SHOUTING OR ACIDIZING	ABANDON MENT°
REPAIR WILL	CHANGE PLANT	See	, , , , , , , , , , , , , , , , , , , ,	nd tubing X ts of multiple completion on Well
((the+)			Completion or Recom	pietion Report and Log form.
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	-		Canal Canal Canal	
是 场 §	15. (-		JUL 17 1989	
	Colors National Colors National Colors	,		MAYI Grego
	212 1 1	· •	OIL CONSERVATION DIV. SANTA FE	(a) (a)
	Marie Control of the		evertit E	DIL COM DIV
	5 (A) 			
	er			
	to see			
• • •	· Cit			
NOTE: Tigh	t hole information.	CON	ELDENTIAL	
h. I hereby certify that th	r forgaling is true and oprrect			
SIGNED	H. McCord	TITLE Petr	oleum Engineer	ACCEPTED FOR RECORD
(This space for Federal	or State office use)			ъ щ АУ 15 1989
APPROVED BYCONDITIONS OF APP	ROVAL, IF ANY:	TITLE		DAMAY 15 1989
		NMOC	C	FARMINGTUN RESOURCE AREA
	*S.	e Instructions on	Reverse Side	BY

ROBERT L. BAYLESS

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

Jicarilla 459 #3

DAILY REPORT

Page 4

- 3/29/89 Tubing pressure = 0. Casing pressure = 30 psi. Make 5 swab runs. Well began flowing (see Swab Report). At 3:30 PM tubing pressure = 100 psi through 3/4" choke, casing pressure = 390 psi. Total fluid recovery today = 63 bbls. Remaining fluid = 51 bbls.
- 3/30/89 Tubing pressure = 50 psi. Casing pressure = 290 psi. Well flowed 36 bbls. water overnight. Rig up recording orifice meter and fluid to frac tank. Catch gas sample and water sample. Leave well flowing to tank. Total remaining load water = 15 bbls.
- 3/31/89 Tubing pressure = 28 psi. Casing pressure = 300 psi. Well produced 34 bbls. water from 10:00 AM on 3/30 to 8:00 AM on 3/31. Well flowing to test.
- 4/01/89 Well flowing to test. Run 24 hr. BHP bomb in hole. Flow well for 4 hours. Shut in well for buildup.
- 4/02/89 Well shut in for buildup. Wireline broken while pulling BHP bombs (operator error). Fish for BHP bombs. Latched onto wire. Fishing tool hung up in hole. Shut in well. Shut down for night.
- 4/03/89 Well shut in. Wait on orders.
- 4/04/89 Well shut in. Wait on orders.
- 4/05/89 Blow down well. Kill well with 184 bbls. of water. Pull 5 stands of tubing and strip out wireline. Recover BHP bombs. Land tubing in wellhead as follows:

<u>Description</u>	Length	<u>Depth</u>
KB to landing point 95 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		0- 11 11-3145 3145-3146 3146-3178
	2711.10	

Rigged to swab. Made 6 swab runs. Well kicked off flowing. Well died. Kicked well off. Well flowed until 10:00 PM. Shut well in. Shut down for night.

- 4/06/89 Overnight pressures: tubing = 850 psi, annulus = 800 psi. Opened well to flow. Flow testing well.
- 4/07/89 Flow testing well.



ROBERT L. BAYLESS

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

Jicarilla 459 #3

DAILY REPORT

Page 5

- 4/08/89 Flow testing well. Shut in well for 9-day buildup.
- 4/09/89 to 4/16/89 Well shut in for buildup.
- 4/17/89 Pulled bottomhole pressure bombs from well. Wait on orders.
- 4/18/89 Wait on orders.
- 4/19/89 Run bottomhole pressure somb to 3278' RKB. Start 7-day flow test.
- 4/20/89 to 4/25/89 Well flowing 7-day flow test.
- 4/26/89 Well flowing. End of 7-day flow test. Pull bottomhole pressure bomb. Run in bottomhole pressure bomb for buildup test.
- 4/27/89 to 4/28/89 Well shut in. Pressure bomb in hole for pressure buildup.
- 4/29/89 Pull bottomhole pressure bomb. Leave well shut in. Wait on orders.



(formerly 9-330)		UI	NITED	STAT	TES	SUBM	T IN DUI	PLICATE*	Budge	appro et Bur es Au	ved. eau No. 1004-0137 gust 31, 1985
(Idiabily 5-000)	DEPAR					TERIOR	₹	(Secother structions reverse sid	on E LEVER D		TION AND SERIAL NO.
	BL	JREAL	JOF KAN	ND MANA	AGEME	NT .		it verse su	1.	illa	Contract 459
WELL CC	MPLETION	OR	RÉCO	MPLETI	ON F	EPORT	AND L	_OG *			OTTER OR TRIBE NAME
1a. TYPE OF WE	FFR 25 A	Mr. 80	_/_			Other			Jicar		Apache Tribe
b. TYPE OF COM	MPLETION: WORK (マ) DE	er- 🗇	/ <u> </u>	DIFF	vn. X	Other Tes	ting z	one	S. FARM OR	LEASE	E NAME
2. NAME OF OPERA		` 7	J BACK L	RENV	VR. LA		CIUE Z	one	Jicar		
	ert L. Bayl	less							9. WELL NO).	
3. ADDRESS OF OP			_				4 14	持指	10 81870	3	DL, OR WILDCAT
4. LOCATION OF W	. Box 168, ELL (Report locat	Farm	ington,	NM 8	37499 with an	State requi			<u>. </u>		lamo
At surface	1658' FN		1901' H	FEL	ira		1 1989	* '		R., M.,	OR BLOCK AND SURVEY
At top prod. in	iterval reported b	elow	same			and a little of the					
At total depth			same			an 8 329 - 111 - 1 151 € 2	to e				8, T30N, R3W
•				14. PEI	RMIT NO.		DATE 188U	ED	12. COUNTY PARISH Rio A		a NM
15. DATE SPUDDED	16. DATE T.D.	REACHE	D 17. DAT	E COMPL. (Ready to		ELEVATIO	NS (DF, RK	B, RT, GR, ETC.)*		ELEV. CASINGHEAD
10/17/88	10/21,		<u> </u>	4/5/8			7074		086' RKB	_	
20. TOTAL DEPTH, MD 4040 KB	A TVD 21. PL		K T.D., MD A	TVB 22.	HOW M.	TIPLE COMPL.	23.	DRILLED B			CABLE TOOLS
24. PRODUCING INTE	RVAL(S), OF THIS			P, BOTTOM,	NAME (M	D AND TVD)	<u> </u>	>	1 0 1		25. WAS DIRECTIONAL SURVEY MADE
0:0 110	mo 3124'-	_ 316	:01								No
Ojo Alai							· :			1 27. 1	WAS WELL CORED
Do. III DDCIME	AND UTHER DOUG	K. II									No
28.						ort all string	set in wel			·	
CABING SIZE	WEIGHT, LB.	./FT.	DEPTH SE	T (MD)	ног	E SIZE		CEMENTI	NG RECORD		AMOUNT PULLED
				•			1		- 3	_	1000 0 01
8-5/8"	24.0#		I———	' KB	I	3/4"					w/2% CaClo
8-5/8" 4-1/2"	24.0#		4012		I	3/4"	550 sx	(1133 locele	8 ft ³) Cla e/sx; 175	ss B sx (w/2% Econolit 221 ft ³) 50/50
4-1/2"		/ft_	4012	' KB	I		550 sx 1/4# f pozmix	(1133 locele	8 ft ³) Cla e/sx; 175 gel, 10%	ss B sx (salt	w/2% Econolit 221 ft ³) 50/50
4-1/2"	10.5#	/ft LINE	4012	' KB	6-	3/4"	550 sx 1/4# f pozmix 30.	(1133 locele w/2%	3 ft ³) Cla e/sx; 175 gel, 10% TUBING REC	ss B sx (salt	w/2% Econolit 21 ft ³) 50/50 1/4# flocele
4-1/2"		/ft LINE	4012	' KB	6-		550 sx 1/4# f pozmix 30.	(1133 flocele (w/2%	g ft ³) Clase/sx; 175 gel, 10% TUBING REC	ss B sx (salt	w/2% Econolit 221 ft ³) 50/50
29.	10.5#	LINE	4012 R RECORD	' KB	6-	3/4"	550 sx 1/4# f pozmix 30.	(1133 Flocele (w/2% SIZE -1/2"	3 ft ³) Clase/sx; 175 gel, 10% TUBING REC DEPTH SET (1)	ss B sx (salt corp MD)	w/2% Econolity 221 ft ³) 50/50 1/4# flocele PACKER SET (MD) none
29. 812E	10.5#	LINE	4012 R RECORD OM (MD)	SACKS CE	6-	3/4" SCREEN (M	550 SX 1/4# f pozmix 30.	x (1133 Flocele x w/2% size L-1/2"	3 ft ³) Clase/sx; 175 gel, 10% TUBING REC DEPTH SET (1) 3178'	ss B sx (salt cord MD) KB	W/2% Econolit 221 ft ³) 50/50 1/4# flocele PACKER SET (MD) none
29. 81ZE 31. PERFORATION RE Ojo Alamo 3124-31	10.5# TOP (MD) ECORD (Interval, a W/3-1/8" (28 - 5 hold	LINE BOTT	4012 R RECORD OM (MD)	SACKS CE	6-	SCREEN (M	550 SX 1/4# f pozmix 30. 1	(1133 Flocele (w/2% SIZE 1-1/2"	s ft ³) Clase/sx; 175 gel, 10% TUBING REC DEPTH SET (1) 3178' ACTURE, CEMEN	ss B sx (salt cord Md) KB	W/2% Econolit 221 ft ³) 50/50 1/4# flocele PACKER SET (MD) none JEEZE, ETC. MATERIAL USED
29. SIZE 31. PERFORATION RE Ojo Alamo 3124-31 3137-31	10.5# TOP (MD) ECORD (Interval, a W/3-1/8" (28 - 5 hold 41 - 5 hold	LINES BOTT BOTT BOTT CHARGE AND COMMENT OF THE	R RECORD OM (MD) number) 1 JSP	SACRS CE	6-	SCREEN (M	550 SX 1/4# f pozmix 30.	(1133 Flocele (w/2% SIZE L-1/2" PHOT. FRA	gel, 10% TUBING REC DEPTH SET (1 3178' CCTURE CEMEN AMOUNT AND KI D gal. 7½%	ss B sx (salt cord MD) KB	W/2% Econolity 221 ft ³) 50/50 1/4# flocele PACKER SET (MD) none JEEZE, ETC. MATERIAL USED ghted HCL acid
29. 31. PERFORATION RE O jo Alamo	10.5# TOP (MD) ECORD (Interval, a W/3-1/8" (28 - 5 hold	LINE BOTT BOTT BOTT BESE SES	R RECORD OM (MD) number) 1 JSP	SACRS CE	6-	SCREEN (M	550 SX 1/4# f pozmix 30. 1	(1133 Flocele (w/2% SIZE L-1/2" PHOT. FRA	gel, 10% TUBING REC DEPTH SET (1 3178' CCTURE CEMEN AMOUNT AND KI D gal. 7½%	ss B sx (salt cord MD) KB	W/2% Econolity 221 ft ³) 50/50 1/4# flocele PACKER SET (MD) none JEEZE, ETC. MATERIAL USED ghted HCL acid
29. 31. PERFORATION RE O jo Alamo	TOP (MD) CORD (Interval, a W/3-1/8" (28 - 5 hold 41 - 5 hold 53 - 9 hold 53 - 9 hold 53 - 9 hold 54 - 5 hold 54 - 5 hold 55 - 9 hold 55 -	LINE BOTT BOTT BOTT BESE SES	R RECORD OM (MD) number) 1 JSP	SACRS CE	6-	SCREEN (M	550 SX 1/4# f pozmix 30. 1	(1133 Flocele (w/2% SIZE L-1/2" PHOT. FRA	gel, 10% TUBING REC DEPTH SET (1 3178' CCTURE CEMEN AMOUNT AND KI D gal. 7½%	ss B sx (salt cord MD) KB	W/2% Econolity 221 ft ³) 50/50 1/4# flocele PACKER SET (MD) none JEEZE, ETC. MATERIAL USED ghted HCL acid
29. 812E 31. PERFORATION RE O jo Alamo 3124-31 3137-31 3145-31 3156-31	TOP (MD) CCORD (Interval, a w/3-1/8" g 28 - 5 hold 41 - 5 hold 53 - 9 hold 60 - 5 hold	LINE BOTT BOTT BOTT BOTT BOTT CONTROL BOTT CONTROL BOTT CONTROL BOTT CONTROL BOTT CONTROL BOTT BOTT	A012 R RECORD OM (MD) (number) - 1 JSP) (.34" d:	SACKS CE	ment*	3/4" SCREEN (M 32. DEPTH INT 3124	550 SX 1/4# f pozmix 30. 1 ACID. S SERVAL (MI	(1133) Elocele (w/2%) SIZE L-1/2" CHOT. FRA (w/3)	3 ft ³) Clase/sx; 175 gel, 10% TUBING REC DEPTH SET (1) 3178' ACTURE, CEMEN AMOUNT AND KI 36 1.1 s.g	ss B sx (salt ord MD) KB T squ wci . RC	W/2% Econolit 221 ft ³) 50/50 1/4# flocele PACKER SET (MD) none JEEZE, ETC. MATERIAL USED ghted HCL acid
29. SIZE	TOP (MD) CCORD (Interval, a w/3-1/8" g 28 - 5 hold 41 - 5 hold 53 - 9 hold 60 - 5 hold	LINE BOTT BOTT BOTT BES ES ES ES ES FINA FINA LINE BOTT BOTT BOTT BOTT BOTT BOTT BOTT BOT	R RECORD OM (MD) number) 1 JSP1	SACKS CE	PROD	SCREEN (M SCREEN (M 32. DEPTH INT 3124	550 SX 1/4# f pozmix 30. 1 ACID. S SERVAL (MI -3160	(1133) Elocele (w/2%) SIZE L-1/2" CHOT. FRA (w/3)	3 ft ³) Clase/sx; 175 gel, 10% TUBING REC DEPTH SET (1) 3178' ACTURE, CEMEN AMOUNT AND KI 36 1.1 s.g	ss B sx (salt ord MD) KB T SQU ND OF WCi . RC	W/2% Econolit 221 ft 3) 50/50 1/4# flocele PACKER SET (MD) none JEEZE, ETC. MATERIAL USED ghted HCL acid N ball sealers
29. SIZE	TOP (MD) SCORD (Interval, 8 W/3-1/8" 8 28 - 5 hold 60 - 5 hold 60 - 5 hold from ting HOURS TESTED 24 / 2	LINES BOTT BOTT es es es fill condition fill condi	R RECORD OM (MD) number) - 1 JSP1 (.34" d: METHOD (I) LOWING HOKE SIZE	SACKS CE	PROD	SCREEN (M SCREEN (M 32. DEPTH INT 3124 OUCTION mping—size OIL—BBL.	550 SX 1/4# f pozmix 30. 1 ACID. S SERVAL (MI -3160	((1133) Elocele (w/2% SIZE L-1/2" CHOT. FRA (w/3) Framp) S-MCF.	3 ft ³) Clase/sx; 175 gel, 10% TUBING REC DEPTH SET (1) 3178' ACTURE CEMEN AMOUNT AND KI D gal. 7½% 36 l.l s.g	SS B SX (SALT ORD MD) KB OT SQU ND OF WCi . KC	W/2% Econolity 221 ft ³) 50/50 1/4# flocele PACKER SET (MD) none JEEZE, ETC. MATERIAL USED ghted HCL acid N ball sealers US (Producing or sting GAS-OIL RATIO
29. SIZE 31. PERFORATION RE O jo Alamo	TOP (MD) ECORD (Interval, a w/3-1/8" g 28 - 5 hold 41 - 5 hold 53 - 9 hold 60 - 5 hold TION PROT	LINE BOTT BOTT es es es (es f]	R RECORD OM (MD) (number) - 1 JSP) (.34" d:	Finameter	PROD	SCREEN (M SCREEN (M SCREEN (M 32. DEPTH INT 3124 OIL—BBL. GAS—	550 SX 1/4# f pozmix 30. 1 ACID. S SERVAL (MI -3160	(1133) Flocele (W/2%) SIZE L-1/2" CHOT. FRA (D) (W/3) (F pump) S-MCF.	3 ft ³) Clase/sx; 175 gel, 10% TUBING REC DEPTH SET (1) 3178' ACTURE, CEMEN AMOUNT AND KI D gal. 7½% 36 l.l s.g	SS B SX (SALT ORD MD) KB OT SQU ND OF WCi . KC	W/2% Econolit 221 ft 3) 50/50 1/4# flocele PACKER SET (MD) none JEEZE, ETC. MATERIAL USED ghted HCL acid N ball sealers US (Producing or esting)
29. SIZE	TOP (MD) ECORD (Interval, a w/3-1/8" g 28 - 5 hold 41 - 5 hold 53 - 9 hold 60 - 5 hold TION PROT TION PROT CASING PRESSI (95)	LINES BOTT BOTT SEE GRA GUA CT CT CT CT CT CT CT CT CT C	METHOD (I) Owing HOKE SIZE ALCULATED 4-HOUR RAT	SACKS CE	PROD	SCREEN (M SCREEN (M SCREEN (M 32. DEPTH INT 3124 OIL—BBL. GAS—	550 sx 1/4# f pozmix 30. 1 ACID. S SERVAL (MI -3160	(1133) Flocele (W/2%) SIZE L-1/2" CHOT. FRA (D) (W/3) (F pump) S-MCF.	S ft ³) Clase /sx; 175 gel, 10% TUBING REC DEPTH SET () 3178' ACTURE, CEMEN AMOUNT AND KI D gal. 7½% 36 1.1 s.g	SS B SX (Salt CORD MD) KB IT SQU ND OF WCi . KC	W/2% Econolity 221 ft ³) 50/50 1/4# flocele PACKER SET (MD) none DIEZE, ETC. MATERIAL USED ghted HCL acid N ball sealers CB (Producing or sting GAB-OIL BATIO CRAVITY-API (CORE.)
29. SIZE	TOP (MD) TOP (MD) TOP (MD) W/3-1/8" (28 - 5 hold 41 - 5 hold 53 - 9 hold 60 - 5 hold TION PROTEING HOURS TESTED CASING PRESSI (75) GAS (Sold, used for december 1) GAS (Sold, used for december 2)	LINE: BOTT BOTT es es es (es) CT / (es) FIRE C2 or fuel, 1	METHOD (A. CULATED 4-HOUR RAT	SACKS CE	PROD FROM FROM	SCREEN (M SCREEN (M 32. DEPTH INT 3124 OIL—BBL. GAS— * duction	550 sx 1/4# f pozmix 30. 1 ACID. S SERVAL (MI -3160 GAS MCF. 725	((1133) Elocele (W/2% SIZE L-1/2" CHOT. FRA (W/3) F pump) S-MCF. WATE	S ft ³) Clase /sx; 175 gel, 10% TUBING REC DEPTH SET (1) 3178' CCTURE CEMEN AMOUNT AND KI D gal. 7½% 36 l.l s.g WELL Sh WATER—BB CR—HBL. CTURE WITNE	SS B SX (SALT ORD MD) KB OT SQU WCi . KC	W/2% Econolity 221 ft 3) 50/50 1/4# flocele PACKER SET (MD) none JEEZE, ETC. MATERIAL USED ghted HCL acid N ball sealers US (Producing or sting GAS-OIL RATIO GRAVITY-API (CORE.) O G 4000 time. Well in
29. 31. PERFORATION RE O JO Alamo 3124-31 3137-31 3145-31 3156-31 33.* DATE FIRST PRODUCT None - test DATE OF TEST FLOW. TURING PRESS. 7 34. DISPOSITION OF vente 35, LIST OF ATTACE Well 1 15 C currently	TOP (MD) CORD (Interval, s W/3-1/8" { 28 - 5 hole 41 - 5 hole 53 - 9 hole 60 - 5 hole ting HOURS TESTED CASING PRESSI (75) CAS (Sold, used for d interval, s Apable of being flow	LINE: BOTT BOTT BOTT BOTT BOTT BOTT BOTT BOT	METHOD (I Cowing Hoke Size Dented, etc.)	SACKS CE	PRODUCTION OF THE PERIOD SEEL.	SCREEN (M SCREEN (M 32. DEPTH INT. 3124 OIL—BBL. GAS— * QUCTION GAS— * QUCTION GAS— * AUCTION GAS— Th	550 sx 1/4# f pozmix 30. ACID. S SERVAL (MI -3160 GAS MCF. 725	(1133) Elocele (W/2%) SIZE L-1/2" CHOT. FRA (W/3) Framp) S-MCF. WATE	S ft ³) Clase /sx; 175 gel, 10% TUBING REC DEPTH SET (1) 3178' ACTURE CEMEN AMOUNT AND KI D gal. 7½% 36 l.l s.g WELL Sh WATER—BB OFT PETIOD TEST WITNE	SS B SX (Salt ORD MD) KB OT SQU ND OF WCi . RC	W/2% Econolity 221 ft 3) 50/50 1/4# flocele PACKER SET (MD) none JEEZE, ETC. MATERIAL USED ghted HCL acid N ball sealers US (Producing or sting GAS-OIL BATIO GRAVITY-API (CORE.) O G 1000 time. Well i
29. 31. PERFORATION RE O JO Alamo 3124-31 3137-31 3145-31 3156-31 33.* DATE FIRST PRODUCT None - test DATE OF TEST FLOW. TURING PRESS. 7 34. DISPOSITION OF vente 35, LIST OF ATTACE Well 1 15 C currently	TOP (MD) CORD (Interval, s W/3-1/8" { 28 - 5 hole 41 - 5 hole 53 - 9 hole 60 - 5 hole ting HOURS TESTED CASING PRESSI (75) CAS (Sold, used for d interval, s Apable of being flow	LINE: BOTT BOTT BOTT BOTT BOTT BOTT BOTT BOT	METHOD (I Cowing Hoke Size Dented, etc.)	Flowing, go	PRODUCTION OF THE PERIOD SEEL.	SCREEN (M SCREEN (M 32. DEPTH INT. 3124 OIL—BBL. GAS— * QUCTION GAS— * QUCTION GAS— * AUCTION GAS— Th	550 sx 1/4# f pozmix 30. ACID. S SERVAL (MI -3160 GAS MCF. 725	(1133) Flocele (W/2% SIZE L-1/2" HOT. FRA (W/3) FPUMP) S-MCF. WATE Ver should from the will remined from	S ft ³) Clase /sx; 175 gel, 10% TUBING REC DEPTH SET (1) 3178' ACTURE CEMEN AMOUNT AND KI D gal. 7½% 36 l.l s.g WELL Sh WATER—BB OFT PETIOD TEST WITNE	SS B SX (SALT ORD MD) KB T SQU ND OF WCi . RC	W/2% Econolity 221 ft 3) 50/50 1/4# flocele PACKER SET (MD) none JEEZE, ETC. MATERIAL USED ghted HCL acid N ball sealers US (Producing or sting GAS-OIL RATIO GRAVITY-API (CORE.) F G 10/20 time. Well is at a later date

FORMATION .	TOP	BOTTOM	FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC.		T	TOP
. ,				NAME	MEAS, DEPTH	TRUE VERT. DEPTH
Ojo Alamo	3086	3336	natural gas			
Kirtland	3336	3605	water	Ojo Alamo	3086	same
Fruitland Coal	3605	3654	natural gas, water	Kirtland	3336	same
Pictured Cliffs	3654	4040	natural gas	Fruitland Coal	3605	same
				Pictured Cliffs	3654	same

Form 3160-5 (November 1983) UNITED S	ILITEP INSTRUCTIONS OF	Expires nugust 31, 1903
	THE INTERIOR verse side)	5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 459
BUREAU OF LAND		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND (Do not use this form for proposals to drill or use "APPLICATION FOR PE	to deepen or plug back to a different reservoir.	Jicarilla Apache Tribe
I. OIL GAS T		7. UNIT AGREEMENT NAME
WELL WELL X OTHER 2. NAME OF OPERATOR		8. PARM OR LEASE NAME
Robert L. Bayless		Jicarilla 459
3. ADDRESS OF OPERATOR		9. WBLL NO.
P.O. Box 168 Farmington, NM 8 i. LOCATION OF WELL (Report location clearly and in ac		10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface		Undesignated Ojo Alamo
1658' FNL & 1901' FEI		11. SHC., T., R., M., OR BLK. AND SURVEY OR ARMA
14. PERMIT NO. 15. ELEVATION	(Show whether DF, RT, GR, etc.)	Section 18, T30N,R3W
7074'		Rio Arriba NM
16. Charle A appropriate Ro	x To Indicate Nature of Notice, Report, or	Other Data
NOTICE OF INTENTION TO:		EQUENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER		REPAIRING WELL
FRACTURE TREAT MULTIPLE COMP		ALTERING CASING
SHOOT OR ACIDIZE ABANDON®	SHOOTING OR ACIDIZING	X ABANDONMENT*
REPAIR WELL CHANGE PLANS	(Other)(Norm: Report result	ts of multiple completion on Well
(Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clear)	Completion or Recon	ipletion Report and Log form.)
This well was perforated and acceptance of the second seco		
18. I hereby certify that the foregoing is true of core SIGNED	TIGHT HOLE INFORMATION TITLE Petroleum Engineer TITLE	DATE 4/04/89 ACCEPTED FOR RECORD DATE APR 05 1989
•	See Instructions on Reverse Side	FARMINGTON RESOLUTION AREA

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

ROBERT L. BAYLESS

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

JICARILLA 459 #3
Section 18, T30N, R3W
1658' FNL & 1901' FEL
Rio Arriba County, New Mexico

DAILY REPORT

03/27/89 Move in completion rig and pump. Rig up equipment. Mix 100 bbl of 2% KCL water.

03/28/89 Blow well down and kill w/ KCL water. Nipple up BOP. Trip out of Nole with tabing. Set wireline bridge plug at 3500 ft KB. Dump 15 gallons of Sand on retrievable plug. Trip tubing in hole to 3460 ft. Roll hole. Move cubing to 3170 ft and spot 150 gallons of 7 1/2% HCL acid. Trip tubing out of hole. Pressure test casing to 3000 PSI for 3 minutes. Perforate Ojo Alamo with 1 JSPF (.340" diameter) as follows:

3124 -	3128	4	5	holes
3137 -	3141	. 4	5	holes
3145 -	3153	8	9	holes
3156 -	3160	4	5	holes
		20'	24	holes

Break down perfs at 1350 PSI. Pump into zone at 5.0 BPM with 1200 PSI. ISIP = 900 PSI. Acidize perfs with 500 gallons 7 1/2% HCL weighted acid. Drop 36 1.1 sq RCN ball sealers. Pump 3.5 BPM @ 1010 PSI while dropping balls. Increase rate to 5.2 BPM @ 1100 PSI. ISIP = 900 PSI, 1 min = 350 PSI, 2 min = 180 PSI, 3 min = 90 PSI, 4 min = 40 PSI, 5 min = 0. Casing on vacuum. Total fluid to recover = 137.5 bbls. Run 1 1/2" tubing, land at 3178 ft. Make 8 swab runs, recover 23.5 bbls. Remaining load = 114 bbls. Shut well in over night.

03/29/89 Currently swabbing and testing on Ojo Alamo formation in this well.



**************************************	UNITED S DEPARTMENT OF	THE INTERIO		5. LEASE I	res August 31, 1985
SUNE	BUREAU OF LAND ORY NOTICES AND OTHER for proposals to drill or	REPORTS C	N WELLS		illa Contract 459 N. ALLOTTEE OB TRIBE NAME
ot:	Use "APPLICATION FOR PE	RMIT for such pr	MAAL KOOM	Jicar 7. UNIT AG	illa Apache Tribe
2. NAME OF OPERATOR		- J 7	AR 15 AH 11:23		LEASE NAME
Robert L.	Bayless	TADAU	MERCHAND AREA	9. WELL M	illa 459 o.
P.O. Box	168, Farmington, l	NM 0/499	GTON, HEW MEXICO	10. PIELD	3 AND POOL, OR WILDCAT
See also space 17 below	' FNL & 1901' FEL		•	Eas	st Blanco P.C.
1030	THE G TOOL TEE			11. SBC., T	, E., M., OR BLK. AND BY OR ARMA
				Sect	ion 18, T30N, R3W
14. PERMIT NO		rs (Show whether DF. 74 GL 708)	rt, GR. etc.) 5' RKB		OR PARISH 13. STATE
i 6.					Arriba NM
	• •	x to Indicate No	ature of Notice, Report,	or Other Data	OP :
. 90	TICE OF INTENTION TO:			BEEQUENT ESPOSE	
TEST WATER SHUT-OFF			WATER SHUT-OFF PRACTURE TREATMENT		REPAIRING WELL ALTERING CASING
FRANTIME TREAT	X: MULTIPLE COMP		SHOOTING OR ACIDIZING	 !	ABANDONMENT*
HERVIN VILLI	PHANGE PLANT		(Other)	newice of multiple	completion on Well
	test	X	Completion or Rec	completion Report	and Log form.
	OIL CONST	3 1989 L		MAR 2 0 1931 12 0 1931 12 0 1931 12 0 1931	
SIGNED Price 1 (This space for Federa	1. Bayless or State office use)		Engineer	DATE	3/15/89 PDO()/TO
CONDITIONS OF APP	ROVAL, IF ANY:			7 (1	المستقاسمة الأستحادة والما
	N			1	Dollar.

Title 18 U.S.C. Section 1301, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any talse, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCO

OIL CONSERVATION DIVISION

Hobbs P.O. Box 1980 Hobbs, NM 88240

Artesia P.O. Drawer DD Artesia, NM 88210

Aztec 1000 Rio Brazos Aztec, NM 87410

NOTICE OF GAS WELL -	CONNECTION / I	ECONNECTION	V DISCO	ONNECTION
This is to notify the Oil (Conservation D	ivision of	the foll	lowing:
Connection X Fi	irst Delivery	1/19/89	1500	MCFD
		Date		Potential
Reconnection Fi	irst Delivery		Initial	Potential
Disconnection				
for delivery of gas from th	ne <u>Ro</u>	bert L. Bayle Operator	ss	
	Ji	carilla 459 Lease		
Meter Code Site Code	$\frac{3}{\text{Well No.}}$	nit Letter		8-T30N-R3W 5-T-R
	East_Bl	anco Pictured Pool		
as made on 1/19/89 1015	GJajtW15			
date 3184 MCFD AOF	MAR 10.1934			
J#L	VSERVATION DIVISION DIVISIONI DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISIONI DIVISION) M hert I Bayle	D.C.	্ৰা বিশ্বস্থা না ১০০০ চুক্তি বিশ্ব ১৮৮৪ চুক্তিশালা তথ্য
Choke	SANTAFE	Transport		-
OCD use only County // /-	Repre	vin H. McCord sentative N ease type o	ame/Titl	е
Lig. Transporter	Rep	VM H / resentative	Now Signatu	re

Submit in duplicate to the appropriate district office.

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

State of New Mexico Energy, Minerals and Natural Resources Department Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

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

OIL CONSERVATION DIVISION P.O. Box 2088

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

Santa Fe, New Mexico 87504-2088

I.	REQ					BLE AND L AND NA						
Operator										API No.		
Robert L. Bayl	ess									30-039	-24306	
Address					0.0							
P.O. Box 168, Reason(s) for Filing (Check proper box		ton, NI	1 8	749	99	Oth	er (Plea	se expla	in) ()	}}}{}	2/11	
New Well	,	Change in	n Trans	sport	ter of:				mix 11			
Recompletion	Oil		Dry	-					FEB	1 5 1933	1 111 11	
Change in Operator	Casinghe	ad Gas	Conc	dens	ate 🗌			111				
f change of operator give name and address of previous operator								Oil	ONSERV	ATION D	Vision	
II. DESCRIPTION OF WEL	LANDIE	ACE							SAC	ITA FE		
Lease Name	L AND LE		Pool	Nar	me, Includ	ling Formation			Kind	of Lease		ease No.
Jicarilla 459		3	E	ast	t Blaı	nco Picty	ured	Clif	fs State,	Federal or Fe	Jic.	Cont.459
Location										Indian		
Unit LetterG	:165	58	_ Feet	Fro	m The 🛄	north Lin	e and	190	1F	eet From The	<u>east</u>	Line
Section 18 Town	ship 301	1	Rang	ge	3W_	, N	мрм,		Rio	Arriba		County
III. DESIGNATION OF TRA	NSPORTI	ER OF O	II. A	ND	NATI	IRAL GAS						
Name of Authorized Transporter of Oil		or Conde		<u> </u>	7		e addre	s to wh	ich approved	copy of this	form is so be s	ent)
N												
Name of Authorized Transporter of Cas	-		or D	ry G	as X	1					form is to be s	
Robert L. Bayless If well produces oil or liquids,	Unit	Sec.	Twp.		Roe	Is gas actuall			, rarmi When		NM 8749	99
give location of tanks.	02			i	1 1.50.	yes	-		''		19/89	
f this production is commingled with th	at from any ot	her lease or	pool, s	give	comming							
V. COMPLETION DATA												
Designate Type of Completion		Oil Well	<u>i</u> _		x Well	New Well	Work	over	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Com	pl. Ready to				Total Depth				P.B.T.D.		
10/17/88	Nome of I	1/7/8				Top Oil/Gas	1040 '				3942'	
Elevations (DF, RKB, RT, GR, etc.) 7074 GL; 7086 RKB	1	Producing For				'	3657'			Tubing Dep	ահ 3700 '	
Perforations	1100	ureu o	<u> </u>	13			<u> </u>			Depth Casin		
		TIDNG	CAS	TAT	C AND	CEMENTI	NC DE	CODI				
HOLE SIZE		SING & TI				CEMENTI	DEPTH			T	SACKS CEM	IENT
12 1/4"		8 5/8						' KB			Class 1	
6 3/4"		4 1/2				1		' KB			Class I	
. TEST DATA AND REQUI	EST FOR A	ALLOW	ABLI	E		<u> </u>			· · · · · · · · · · · · · · · · · · ·		VI	To Wall
OIL WELL (Test must be after			of load	d oil	and musi						for full 24 hou	ors.)
Date First New Oil Run To Tank	Date of Te	est				Producing Me	ethod (F	low, pur	np, gas lift, e	tc.)		A service of
Length of Test	Tubing Pr	essure				Casing Pressa	ire			Choke Size	11 11 17 17	C3 x 28
										C- MOE		1, 11, 17
Actual Prod. During Test	Oil - Bbis	•				Water - Bbls.				Gas- MCF	N	٠.
CAC TIPE I										5 y - 5	100 A	1
GAS WELL Actual Prod. Test - MCF/D	Length of	Test				Bbls. Conden	sate/MN	ICF -		Gravity of C	ondensate	
2539	Longui or		rs.			1	-0-			Clavily of C	-0-	İ
esting Method (pitot, back pr.)	Tubing Pr	essure (Shu				Casing Press		-in)		Choke Size		
Back Pressure Test		890				ξε	90			1	3/4"	
VI. OPERATOR CERTIFI I hereby certify that the rules and reg	CE .		OIL C	ON	SERV	ATION	DIVISIO	N				
Division have been complied with an is true and complete to the best of m	d that the info	rmation giv	en abo	ve	·,	/- 30			ı	JAN	3 n 191	Rg .
Clim H. M. You												
Signature Was Carrel	7		-; ···		.	∥ By_			' 	\		
Kevin H. McCord Printed Name	,	leum E	Title	nee	er	Title SUPERVISOR DISTRICT M :						
1/24/89	505/3	26-265		> 7				·····				
Date		Tele	phone	No.		11						

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.

/orm 3160-4 (November 1983) (formerly 9-330)

UNITED STATES

SUBMIT IN DUPLICATE.

Form approved. Budget Bureau No. 1004-0137 Expires August 31, 1985

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

(See other In-structions on reverse side)

5 TEAME DESIGNATION AND SERIAL NO.

	Jicari	<u>lla Cont</u>	ract 459
43	IF INDIAN.	ALLOTTES OF	TRING NAME

WELL CO	MPLETIO	N OR	RECO	MPLETIC	I NC	REPOR	TAN	ND LO	G'*	6 IF INDIAN	. ALLO	TTRE OR TRING NA	MR
In. TYPE OF WE	LL:	WELL	0.18 WELL		())) (aa	·	1012	Jicar:		Apache Tri	<u>.b</u> e
L TYPE OF COM		··	W F. (.)		' -	74.5		·	7 9:14	5			
WELL X	OVER	EN	Buck [DIFF	, []	Other	MAGTE		in the	L'ARM UR	LEASE	NAME	
2. NAME OF OPERA	TOR						** 77.73 ;	UM, MEW	MEXIC	Jicar	<u>111a</u>	459	
Robe	rt L. Bay	less								9. WELL NO.			
		7		NM 07		مستقد میشور است. مجود داده کاران	31151	7/55277	<u> </u>	10. FIELD AN	3 D POOL	. OS WILDCAT	
4. LOCATION OF WI	Box 168,	rarmi ation clca	ngton,	accordance	uith an	v State ze	quicome	the second	11			co Pictured	Cliffs
At surface	1658'	FNL 8	1901'	FEL	M	ггр	4 1	esa 📗				OR BLOCK AND BURY	
At top prod. in	terval reported	below	same			FEB	T D I	soc II.	;)	OR SKEA			4
At total depth				(6 /4 "F" () ""4 V	N DIVISI	्र ४ अनुस्	Section	on 18	3, T3ON, R3	W
m was deput			same	14. PER		<u>INSERV</u>	DATE	Sissi ED		12. COUNTY	Ja	13. STATE	
						€°	1	••		Rio Ar			
15. DATE SPUDDED	16. DATE TO	. REACHEL	17. DAT	E COMPL. (F	Ready to	o prod.)	18. ELI	EVATIONS (I	F. RKB, I	RT, GR, ETC.)*		LEV. CABINGHEAD	 ,
10/17/88		21/88		1/7/89			70	74' GL		6' RKB		<u> </u>	_ ·
20. TOTAL DEPTH, MD			T.D., MD &	TVD 22.	HOW M	TIPLE COM	PL.,	23. INT	LED BY	ROTARY TOO		CABLE TOOLS	_
4040 '			KB	P ROTTON N	AME ()	AD AND TV	1131	E A		7 +0 = TI		. WAS DIRECTIONAL	
an inobicing in a		115 (0.11)	2110,1 101	, BOILTIM, A	· A (-						-	SCRVET MADE	•
Picture	d Cliffs	3657'	- 375	1'			_	JAN3	disaba			No	
26. TYPE ELECTRIC	AND OTHER LOG	S RUN							- \200	- 	27. W	AS WELL CORED	_
IEL-GR-	CLL-CBL-C	NL-FDC					Oll			MA /		No	
29.	l waters :	- /		ING RECOR			ings set		ENTING	P.F.CORD	·	 _	.
CASING SIZE	WEIGHT, I		DEPTH SE			LE SIZE						AMOUNT PULLED	_
8-5/8" 4-1/2"	24.0			' KB		$\frac{2-1/4"}{2-1/4"}$		0 sx (t ³) Class		1/2% CaCl2	_
4-1/2	10.5	#/IC	4012	' KB		6-3/4"		<u>0 sx (</u> 4# flo		ft ³) Clas		<u>w/2% Econo</u> 221 ft ³) 50	
												1/4# floc	
29.		LINER	RECORD					30.		CUBING RECO			<u> </u>
SIZE	TOP (MD)	BOTTO	M (MD)	SACKS CEM	ENT*	SCREEN	(MD)	SIZE		DEPTH SET (M	D)	PACKER SET (MD	<u>) </u>
		[1-1/	2"	3700' KE	<u>-</u> [-	none	_
31. PERFORATION RE				<u> </u>	•	32.		CID. SHOT	FRACT	URE. CEMENT	SOUF	FZE ETC	-
Pic. Clif:	fs w/3 l/ 57 - 21 h	8" gun	- 2 J	SPF			INTERVA			OUNT AND KINI			-
	79 - 11 h	oles					7 - 3		500			hted HCL a	 cid
3684-368 3695-376	38 - 9 h 35 - 21 h	oles	(.34"	diamete	r)				w/12		_	N ball sea	
3729-37	36 - 15 h	oles										uality foa	
3747-37	51 - 9 h	oles										mesh sand	_
33.º DATE FIRST PRODUCT	1 5-					OUCTION						· · ·	
1/19/89	PR		METHOD () lowing	flowing, gas	ajr, pu	ım pıng—es	ice una	•уре ој рип	וקי	shul	-in)	(Producing or leading)	
DATE OF TEST	HOURS TESTS		IONE BIZE	PROD'N.	FOR	OIL BBI	L.	GAR- M	Ŧ.	WATER—BBL.		GAS-OIL BATIO	_
1/16/89	3		3/4"	TEST PE	RIOD -	-0-	_	31	7	-0-	- 1	N/A	
FLOW. TUBING PRESS.	CABING PRES		LCULATED	OH, - BB	1	GAS	9— МСР.	 -	WATER-	HBL.	OIL GR	AVITY-API (CORE.)	_
151	890	27	-HOI K EA1		0-	1 2	2539	_	-	0-		N/A	
34. DISPOSITION OF		for fuel, v	ented, etc.)							TEST WITNES	NED BY		_
Vented										Dav	id B	all	_
OU. LIBI UP ATTACH	21 S.C. 1 S									Voc	FPTE	ED FOR REG	าดลก
36. I hereby certify	that the foreg	oing and	strached in	formation i	comp	lete and co	errect a	a determine	d from			-C 1 Q 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- -
	Ori I	1/1/	4-1	//								NEW ALTON	
SIGNED	Win H M	COLD	NUL	_ TITL	E	etrole	eum E	nginee	r	DATE	1	/23/89 ⁻ .59	

, 1															
ТОР	TRUE VERT. DEPTH	same	same	same	same	·									
ΤC	MEAS, DEPTH	3086	3336	3605	3654										
	NAME	Ojo Alamo	Kirtland	Fruitland Coal	Pictured Cliffs										•
FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC.	water	water	natural gas, water	natural gas											
BOTTOM	3336	3605	3654	4040			- 1-Ta-					 	 		
ТОР	3086	3336	3605	3654											
FORMATION	Ojo Alamo	Kirtland	Fruitland Coal	Pictured Cliffs					,						

· .

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P 0/80X 2088 SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78
1/18/89

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Ty	pe Test								Test Date				
		🚺 Initio	al	☐ Annual ☐ Special 1/16/89						/89	ŀ		
C۵	whaula					Connecti	on		******				
	Robert	L. B	ayles	ss		ı	Robert	L. Bayles	S				
Po	ol					Fermatic					Unit		
I	East Bla	nco P	ictur	ed Cli	ffs		Pictur	ed Cliffs					
Co	mpletion Dat	e		Total Depti			Flug bac		Elevation		1	Lease No	
1	1/7/89			4(040'	40' 3942' 7046' RKB					Jicarilla 459		
Cso	g. Size	WI.		ď	- 1	LAL	Perloratio				Well No.	-	
	4 1/2"	10.	5#	4.052		4012'			• 3751 '			3	
The		•	1	d		1 A1	Perloration		_		Unii	Sec.	Twp. Rye.
<u></u>	1 1/2"			1.610'		3700'	From		·•		G	18	30N. 3W
1, 1,			sennead	- G.G. or C	3.0. M	ultiple		Pocker Set At		- 1	County	5.	
<u> </u>		gle						1	ne			Rio Ar	riba
1 1.10	ducing Thru	Į.	Meserv	oir Temp. *	F	Mean Annu	al Temp. "I	Baro. Press	_	İ	State		
├	tubing	ا ــــــــــــــــــــــــــــــــــــ		·			1 2 3		(est.)	1	Meter i	New Me	XiCO
	١,	н		Cq		% CO ₂	% N 2	% H ₂ S	Pro	A-01	Meter	nun	lups
		L		.65 (<u> </u>		I
<u> </u>	Frover			OW DAT			T	TUBING	7		SING D		Duration
ΝО.	Line	x '	Orifice Size	Press.		Diff.	Temp.	Press. p.s.i.g.	Temp.	Pres p.s.i.	· 1	Temp.	ol Flow
SI	Size			ļ 		hw	<u> </u>		-				
1.	9 days		7			W/15/	N. C.	890	600	89			
2.	2 inch	x ./	50 50	<u> </u>	- Cib c	1/11/201		151	60°	42	4		3 hrs.
3.				100	-	1000							
4.				JAI	730	1983			1				
5.			- 1		2 1 2 5 2	<u> </u>	1 /						
3.			- 34	; -				CALCUL ATU					
						MAIL	FFLON	CALCULATION	J113				
	Flow Temp. Gravity Super Bate of Flow												
	Coellic	ient		7/h P	-	Pressure	Flow			ı	•	В	ate of Flow
NO.	Coeffic		_	$\sqrt{h_{\mathbf{w}}P_{\mathbf{m}}}$	-	Pressure P _m	Flow	Temp.	Gravity Factor Fq	Com	uper or, Fpv	R	Q, McId
NO.	(24 Ho	our)		$\sqrt{h_{\mathbf{w}}P_{\mathbf{m}}}$	-	P _m	Flow	Ft.	Factor Fq	Com	or, Fpv	R	Q, McId
NO. 1 2.		our)		$\sqrt{h_{\mathbf{w}}P_{\mathbf{m}}}$	-		Flow	Ft.	Factor	Com	or, Fpv		1.15%
1	(24 Ho	our)		√h _w P _m		P _m	Flow	Ft.	Factor Fq	Factor 1.0	or, Fpv		Q, McId
1 2.	(24 Ho	our)		√h _w P _m	-	P _m	Flow	Ft.	Factor Fq	Facto	or, Fpv		Q. McId 2539
1 2. 3. 4.	(24 Ho	our)		√h _w P _m		P _m	Flow	Ft.	Factor Fq	Company Factor 1.0	or, Fpv		Q. McId 2539
1 2. 3. 4. 5.	(24 Ho	5				P _m 163	Flow F.	Ft.	Factor Fa .240	Compared 1.0	or, Fpv		Q. McId 2539
1 2. 3. 4.	(24 Ho	our)	*R	√h _w P _m		P _m 163	Flow F. 1.	000 1	Factor Fq .240	Factor 1.0	or, Fpv		Q. Mcfd 2539
1 2. 3. 4. 5. NO.	(24 Ho	5	•8		.96	P _m 163 Z Gai	Flow For 1. Liquid Hyce Liquid Hyce J.I. Grovity	octor Ft. 000 1	Factor Fq .240	Factor 1.0	or, Fpv		Q. Mcfd 2539
1 2. 3. 4. 5. NO.	(24 Ho 12.36	5	*A	T _r		P _m 163 Z Gai A.F	Flow Final Liquid Hyce Liquid Hyce Cific Gravity	octor Ft. 000 1 irocarbon Ratio	Factor Fq .240	Compression 1.0	or, Fpv		Q. Mcfd 2539 Mcf/bblDeq.
1 2. 3. 4. 5. NO. 1. 2. 3.	(24 Ho 12.36	5	*A	T _r		Pm 163 Z Gai A.F 69 Spe Spe Critical	Liquid Hye 2.1. Gravity cific Gravity cific Gravity	irocarbon Ratio	Factor Fq .240	Compactor 1.0	P.S.I.A.	x x x	Q. Mcfd 2539 Mcf/bblDeq.
1 2. 3. 4. 5. NO. 1. 2. 3. 4.	(24 Ho 12.36	5	*R	T _r		Pm 163 Z Gai A.F 69 Spe Spe Critical	Liquid Hye 2.1. Gravity cific Gravity cific Gravity	octor Ft. 000 1 irocarbon Ratio of Liquid Hydroc r Separator Gas r Flowing Fluid	Factor Fq .240	Compactor 1.0	P.S.I.A.	x x x	O. Mcfd 2539 Mcf/bbl. Deg. X X X X X X
1 2. 3. 4. 5. NO. 1. 2. 3. 4. 5.	12.36 	Temp.		т _г	.96	Pm 163 Z Gai A.F Spe Spe Crift	Liquid Hycol. Cravity of Citic Gravity of Citic Gravity of Citic Gravity of Citical Pressurfical Temper	irocarbon Ratio . of Liquid Hydroc , Separator Gas , Flowing Fluid re	Factor Fq .240	Compracted 1.0	P.S.I.A.	XXX	O. McId 2539 McI/bbl. Deq. X X X X X
1 2. 3. 4. 5. NO. 1. 2. 3. 4. 5. Pc_	12.36 PA .243	Temp.	*A 813,6	τ, 1.39	.96	Pm 163 Z Gai A.F Spe Spe Crift	Liquid Hycol. Cravity of Citic Gravity of Citic Gravity of Citic Gravity of Citical Pressurfical Temper	irocarbon Ratio . of Liquid Hydroc , Separator Gas , Flowing Fluid re	Factor Fq .240	Compracted 1.0	P.S.I.A.	XXX	O. McId 2539 McI/bbl. Deq. X X X X X
1 2. 3. 4. 55. NO. 1. 2. 3. 4. 55. P _c NO I	12.36 	Temp.	813,6	T _r 1.39	.96	Pm 163 Z Gai A.F 69 Spe Criti	Liquid Hycol. Cravity of Citic Gravity of Citic Gravity of Citic Gravity of Citical Pressurfical Temper	irocarbon Ratio . of Liquid Hydroc , Separator Gas , Flowing Fluid re	Factor Fq .240	Compracted 1.0	P.S.I.A.	XXX	O. McId 2539 McI/bbl. Deq. X X X X X
1 2. 3. 4. 5. NO. 1. 2. 3. 4. 5. Pc. NO. 1.	12.36 PA .243	Temp.	813,6	T _r 1.39	.96	Pm 163 Z Gai A.F 69 Spe Criti	Liquid Hycol. Cravity of Citic Gravity of Citic Gravity of Citic Gravity of Citical Pressurfical Temper	irocarbon Ratio	Factor Fq .240	Compracted 1.0	P.S.I.A.	XXX	O. McId 2539 McI/bbl. Deq. X X X X X
1 2. 3. 4. 5. NO. 1. 2. 3. 4. 55. VO. 1. 2. VO	12.36 PA .243	Temp.	813,6	T _r 1.39	.96	Pm 163 Z Gai A.F 69 Spe Criti	Liquid Hye Liquid Hye Li Gravity of the Gravity o	irocarbon Ratio of Liquid Hydroc y Separator Gas y Flowing Fluid re ature = 1.30	Factor Fq .240 arbons x	Compared 1.0 1.0	P.S.I.A.	XXX	O. McId 2539 McI/bbl. Deq. X X X X X
1 2. 3. 4. 5. 1. 2. 3. 4. 5. Pe 10 1	12.36 PA .243	Temp.	813,6	T _r 1.39	.96	Pm 163 Z Gai A.F 69 Spe Criti	Liquid Hye Liquid Hye Li Gravity of the Gravity o	irocarbon Ratio of Liquid Hydroc y Separator Gas y Flowing Fluid re ature = 1.30	Factor Fq .240 arbons x	Compared 1.0 1.0	P.S.I.A.	XXX	O. McId 2539 McI/bbl. Deq. X X X X X
1 2. 3. 4. 5. 1. 2. 3. 4. 5. P _e 10 1 1 2 2 3 3 1 1	12.36 PA .243	Temp.	813,6	T _r 1.39	.96	Pm 163 Z Gai A.F 69 Spe Criti	Liquid Hye Liquid Hye Li Gravity of the Gravity o	irocarbon Ratio . of Liquid Hydroc , Separator Gas , Flowing Fluid re	Factor Fq .240 arbons x	Compared 1.0 1.0	P.S.I.A.	XXX	O. McId 2539 McI/bbl. Deq. X X X X X
1 2. 3. 4. 5. NO. 1. 2. 3. 4. 55. PcNO! 1	Pa . 243	P _c ² P _w 436	813,6	T _f 1.39 504 R _g ² 90.096	.96	Pm 163 Z Gai A.F 69 Spe Criti	Liquid Hye Liquid Hye Liquid Hye Li Gravity of the Gravity of t	rocarbon Ratio of Liquid Hydroc responsible Fluid regarder Gas responsible fluid responsible for the first respectation for the first responsible for the first responsible fo	Factor Fq .240 arbons x 49	Compactor 1.0	P.S.I.A.	x x x	O. Meld 2539 Mel/bbl. Deq. X X X X X X P.S.I.A. R 1,2538
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November 1983)	UNITED STATES		Other Instructions on	. /re-	Expires Aug		
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ADDRESS OF UPERATOR		5377.35	Immeron		BLL NO.	<i></i>	***************************************
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See also space 17 belo	Report location clearly and in accordance witow.)	th any State	requirements.*	10.	TELD AND POOL		
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					ection 1	8 T30	N R3W
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	NOTICE OF INTENTION TO	:	SUE	BSEQUENT E	PORT OF:		
TEST WATER SHUT-0	PF PULL OR ALTER CASING	•	WATER SHCT-OFF		REPAIRIN	G WELL	
FRACTURE TREAT	MULTIPLE COMPLETE	:	FRACTUBE TREATMENT		ALTREING	CASING	
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I hereby certify that	the foregoing is true and correct						
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	*See Instruc		leverse Side		y rt		
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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.

ROBERT L. BAYLESS

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

Section 18, T30N, R3W 1658' FNL & 1901' FEL Rio Arriba County, New Mexico

DAILY REPORT

10/17/88 Spud well at 12:30 AM on 10/17/88. Drilled 140' of 12 1/4" surface hole. Ran 3 its. of 8 5/8" 24#/ft J-55 casing (124.04 ft.) and set at 137' RKB. Rig up Gementers, Inc. Gemented surface with 150 sx of Class B cement with 2% CaCla. Good circulation throughout job. Circulated cement to surface. Plug down at 5:15 AM on 10/17/88. Wait on cement.

10/18/88 Drilling ahead at 1452'.

10/19/88 Drilling ahead at 2555'.

10/20/88 Drilling ahead at 3400'.

10/21/88 Drilling ahead at 3975'.

10/22/88 TD well at 4040' RKB at 9:30 AM on 10/21/88. Circulate bottoms up. Short trip. Trip out of hole for logs. Rigged up Welex. Ran IEL, CNL, FDC logs from TD of 4025 ft. (fill). Trip in hole with drillpipe. Lay down drillpipe and collars. Ran 94 jts. of 4 1/2" 10.5#/ft J-55 new casing as follows:

<u>Description</u>	Length	<u>Depth</u>
KB to landing point 93 jts. 4 1/2" 10.5#/ft J-55 new casing	11.00	0- 11
(Domestic-Maverick) 1 DFFC 1 jt. 4 1/2" 10.5#/ft csg. for shoe jt. 1 cement filled guide shoe	3957.69 1.65 40.53 .85 4011.72	11-3969 3969-3970 3970-4011 4011-4012

Centralizers at 3992, 3756, 3713, 3671, 3628 and 3594. Rigged up Halliburton. Cemented longstring with 550 sx Class B cement with 2% Econolite and 1/4# flocele/sx, tailed by 175 sx of 50/50 pozmix with 2% gel, 10% salt and 1/4# flocele/sx. Lost circulation 34 bbls. into flush. Lost 29 bbls. of cement into formation. Pressure climbing to 900 psi at end of job. Acting like lifting cement. Bumped plug-held OK. Plug down at 3:30 AM 10/22/88. Set slips. Released rig. Wait on completion.

Form 3160-5 November 1983) Formerly 9-331)	UNI DEPARTMEN	TED STATES T OF THE INTER	SUBMIT IN TRIPLICAT	E* Expires August 31, 1985 5. LEASE DESIGNATION AND SERIAL NO.
· · · · · · · · · · · · · · · · · · ·		LAND MANAGEMEN		Jicarilla Contract 459
SU	NDRY NOTICES	AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not use th	ts form for proposais to Use "APPLICATION	FOR PERMITAL CO.	pact M. S. Glasrenz reservoir.	Jicarilla Apache Tribe
WELL WELL NAME OF OPERATOR	X OTHER	—₩ <u>ост 2</u>	5 1989	S. FARM OR LEASE NAME
-	L. Bayless	777	2000	Jicarilla_459
3. ADDRESS OF OPERAT		CIE CONSERVA	TON DIVISION	9. WELL NO.
	x 168, Farming	ton, NM 87499		10. FIELD AND POOL, OR WILDCAT
See also space 17 b	elow.)		y State requirements.	East Blanco P.C.
16	58' FNL & 1901	FEL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
14. PERMIT SO	15	ELEVATIONS (Show whether	DF, RT. GR. etc.)	Section 18, T30N, R3W 12. COUNTY OR PARISH 13. STATE
-			086' RKB	Rio Arriba NM
: d.	Check Appropr	rate Box To Indicare	Nature of Notice, Report, or	
	NOTICE OF INTENTION T			EQUENT REPORT OF:
TEST WATER SHUT	-0FF P!'LL 0	R ALTER SASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIP	LE COMPLETE	. FBACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDO	s• . <u></u> ;	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WOLL (Other)	CHASGE	C PLANT		otice: surface casing X lits of multiple completion on Well appletion Report and Log form.
17. DESCRIBE PROPOSED	OR COMPLETED OPERATION	s (Clearly state all pertine	est details, and give pertinent dat	es, including estimated date of starting any tical depths for all markers and zones perti-
SEE ATT	R RESELVING ANEXA	PORT OF 10/17/88		DEGET 1988 OCT 21 1988 OIL CON. DIV OIST. 0
SIGNED Kevi (This space for Fed	derai or State office use)	TITLE	Petroleum Engineer	
COMPLICATIONS OF 1	AUTAL, IF ANI:		MADO	ť

*See Instructions on Reverse Side

ROBERT L. BAYLESS

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

JICARILLA 459 #3
Section 18, T30N, R3W
1658' FNL & 1901' FEL
Rio Arriba County, New Mexico

DAILY REPORT

10/17/88 Spud well at 12:30 AM on 10/17/88. Drilled 140' of 12 1/4" surface hole. Ran 3 jts. of 8 5/8" 24#/ft J-55 casing (124.04 ft.) and set at 137' RKB. Rig up Cementers, Inc. Cemented surface with 150 sx of Class B cement with 2% CaCl2. Good circulation throughout job. Circulated cement to surface. Plug down at 5:15 AM on 10/17/88. Wait on cement.

OCT 21/1988 OIL CON. DIV.J DIST. 3 "Form 3160-3 (November 1983) (formerly 9-331C)

UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLICATE. (Other instructions on reverse side)

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

RECEIVED 5. LEASE DESIGNATION AND SERIAL NO.
ELM MAIL ROOM licarilla Contract 459 BUREAU OF LAND MANAGEMENT

A DDI ICA TION	J COD DEDLAIT T	OBDILL	TICEDENI C	ND -DL.I.II = 1	1 A CV	6. IF INDIAN, ALLUTTER OR TRIBE NAME		
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	LL X	DEEPEN	h -	RLUG BA	K - □	7. UNIT AGREEMENT NAME		
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OIL O			BINGLE ZONE	MULTIP	حيل الساء يهم	S. FARM OR LEASE NAME		
. NAME OF OPERATOR	CILE CITE	mornes establis		2011		Jicarilla 459		
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At proposed prod. some	e same					G		
						Section 18, T30N, R3W		
4. DISTANCE IN MILES A	ND DIRECTION FROM NEAR	EST TOWN OR PO	ST OFFICE.			12. COUNTY OR PARISE 13. STATE		
						Rio Arriba NM		
DISTANCE FROM PROPU LOCATION TO NEAREST			16. NO. OF ACT			17. NO. OF ACRES ASSIGNED TO THIS WELL		
PROPERTY OR LEASE LI	INE, FT.		Approx. 2	2267	160			
(Also to nearest drig. B. DISTANCE FROM PROPO			19 PROPOSED	r sections	20. ROTAL	T OR CABLE TOOLS		
TO NEAREST WELL, DR OR APPLIED FOR, ON THE	HLLING, COMPLETED,		4015	_	0 - TD			
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		S11912	OT TO COMPLIA					
7034' GL	7046' RKB	11.051		THE S		allan is cubi ASAP inchnical and		
3.	1	PROPOSED CAS	ING AND CEMEN	TING PROGRAM	4 proced	lural review pursuant to 45 CPA		
						ppeal surguent to 43 CFR 3165.4		
SIZE OF ROLE	SIZE OF CASING	WEIGHT PER I	700T SEI					
9-7/8"	7-5/8"	26.4#		125'		Class B - 71 ft		
6-3/4"	4-1/2"	11.6#	4015'		200 sx 50/50 pozmix - 252 ft			
71 ft Class B run 4015' of 4 2% gel and 10%	cement, circul -1/2" 11.6#/ft salt. Circula	ated to su J-55 casin ting mediu	urface. Wing and ceme um will be	ill drill (ent with 2; clear wat	5-3/4" 52 ft er, nat	asing, cementing with hole to 4015' and 50/50 pozmix with ural mud and water		
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Registered Professional Engineer

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and/or Land Surveyor

Certificate No.

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