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#### (SUBMIT IN TRIPLICATE)

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4. Approval expires 12-31-60.
Indian Agency
Mearilla Tribal
Allottee
Loano No. Figarilla Tribal Contract 146

### SUNDRY NOTICES AND REPORTS ON WELLS

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program is pr						
of 7500' with completion wi	retary to	ale te evalue	ste Bekets pro reaching tet	meets. Sti	miletion a	M
No propose to	deill Jie	mg points, and the	et 146 No. 19	to an appro	ximate tet	al depth
(State names of and expe	ected denths to obje	active cander show size	LS OF WORK	of proposed casings; in	dicate mudding jo	bs, cement-
The elevation of t	he derrick floo			TA NA TANALA	Manage	
(Field)				•		ON. COM.
Basin Johnta		kie Arriba	r Subdivision)	(State	or Territory)	Z ISOL
(14 Sec. and Sec.		(Twp.)	(Range)	(Meridian)	أ اللحملية	2 1961
mu/L sz/L et			· · ·	.P.M.	"/RLL	
Well No. 13	is located	1650 ft. fror	$m \left\{ S \right\}$ line and $S$	ft. from	line of ed	11/2
Jieurilla Com	tract 146	Ţ	armington, Is	W MOXICO	hely 10	19
	(INDICATE ABO					40.49
			IATURE OF REPORT, NOT		: r. crologii - g. crologii	HELL PER CLOSE
NOTICE OF INTERPO		i				VT-013/E
NOTICE OF INTENTION		CASING	li .	RT OF ABANDONMENT. ELL HISTORY	<u></u>	
NOTICE OF INTENTION	TO PULL OR ALTER	L				4 * * 1
	TO SHOOT OR ACID TO PULL OR ALTER	IZE	11			
NOTICE OF INTENTION '	TO TEST WATER SH TO REDRILL OR RE TO SHOOT OR ACID TO PULL OR ALTER	UT-OFFPAIR WELL	SUBSEQUENT REPOR	RT OF ALTERING CASIN	BEPAIR	

U. S. GOVERNMENT PRINTING OFFICE 16-8437b-8

Section A.

Date . . .

Operator PAN ANTICAN ENTROLEGY CORPORED No. 13 Unit Letter J Section Located 1550 Feet From the SOUTH County FLO ARRIBA G. L. Florestion Name of Producing Formation  1. Is the Operator the only owner in the dedicated Yes No. No. 2. If the answer to question one is "not yes agreement or otherwise? Yes Section of the South Section Sec	9 Lose 1550 o Proport Scor consider cultimed on the consider of the consider	the standard type of C	I flower 5 WEST, the EAST 320 our selectived by commence Consolitation.	NMPS Total As re-
			JUL1 2 1961 DIL CON. COM. DIST. 3	
Section B.	Note: All listances	must be from ourer bo	undaries of section.	1
This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.  In American Petroleum Jorp.  (Operator)  (Representative)  (CX 4.0, Frming to r. 100 fexico (Address)				
			arilla Tribul ract No. 146	
Ref: GLO plat dated 4 November 1882			/550'- 05	
	, light 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	65. 1560 2319 2640 2000 Cale 1 shokes equal 1		r j



Farmington, New Mexico

This is to a consequent the above and was prepared from field notes of actual surveys made by me or with any expersison and that the same are true and correct to the best of my knowledge sent below

5 July 1961 Date surveyed (Regidere I Professional Engineer and or Loud Serveror James P. Leess N. Mex. Reg. No. 1463
San Juan Engine Sting Company

	(A	pril 19	52)	
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#### (SUBMIT IN TRIPLICATE)

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4. Approval expires 12-31-60.	,
Indian Agency	
Jicarilla Tribal	
Allottee	
	1

Contract 146

SUNDRY N	OTICES AND	REPORTS ON	WELLS	
NOTICE OF INTENTION TO DRILL	SII	BSEQUENT REPORT OF WATER	8-5/8*	<b>T</b>
NOTICE OF INTENTION TO CHANGE PLAN	i ii	BSEQUENT REPORT OF SHOOTI		
NOTICE OF INTENTION TO TEST WATER		BSEQUENT REPORT OF ALTERI		市區川州尼
NOTICE OF INTENTION TO REDRILL OR F		BSEQUENT REPORT OF REDRIL		-th-=
NOTICE OF INTENTION TO SHOOT OR ACI	IDIZE SU	BSEQUENT REPORT OF ABANDO	9 1 3 3	
NOTICE OF INTENTION TO PULL OR ALTE	R CASINGSU	PPLEMENTARY WELL HISTORY.		1001
NOTICE OF INTENTION TO ABANDON WEL	<u> </u>			
(INDICATE AS	BOVE BY CHECK MARK NATURE (	OF REPORT, NOTICE, OR OTHER	DATA)	A DATE OF THE STATE OF THE STAT
Jicarilla Contract 146	Farm	ington, New Mexic	Muguet 2	19.61
Well No. 13 is locate	d 1650 ft. from S	line and 1550 ft. fr	om Eline of sec.	9
WW/4 SE/4 of Section 9	T-25-N R-5-W	N.M.P.M.	(**)	
(14 Sec. and Sec. No.)	(Twp.) (Range)	(Meridian)		
Basin Dakota	Rio Arriba	***********	New Mexico	
(Field)	(County or Subdivi	sion)	(State or Territory)	•••
The elevation of the derrick flo	or above sea level is _5  DETAILS OF			
(State names of and expected depths to obje			tdt 111	
Spudded 12-1/4" hele July sement, Circulated Come held with no indication of	y 19, 1961. Set 8 Mt. Tested sasing of pressure drep.	-5/8" casing at ; with 500 pai for	503' with 375 at 20 minutes, w	neks nich
Resumed drilling speration	ms.	REC	EIVED	
		AUG 7	N. COM.	
		DIS	ST. 3	
I understand that this plan of work mus	t receive approval in writing by	the Geological Survey before	operations may be comme	onced.
Company Pan American Pe	troleum Corperati	OS.		
Address P. O. Box 480				
Farmington, New	Mexico		nal signed <b>by</b> M. Bauer, Jr.	
Attn: L. O. Sp	eer, Jr.	Title Senior Pe	troleum Enginee	7

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#### (SUBMIT IN TRIPLICATE)

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	_
Indian Agency	
Mosrille Tubbal	
Allottee	
Contract 146	1

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NOTICE OF INTENTION TO DRILL		SUBSEQ	UENT REPORT OF WATE	R SHUT-OFF	4-1/2" E
NOTICE OF INTENTION TO CHANGE		SUBSEQ	UENT REPORT OF SHOO	TING OR ACIDIZIN	G
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NOTICE OF INTENTION TO PULL O		SUPPLE	MENTARY WELL HISTOR	Y{f}}-	
(INDI	CATE ABOVE BY CHECK M	IARK NATURE OF R	EPORT, NOTICE, OR OTHE	R DATA)	AUG 15 196
Jicarilla Contract 1	146	Parming	ton, New Mexi	oo Augus	GEOLOGICAL SUR
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	located 1650 ft.	from (S) line		rom line	POTITIVE
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(Field)		unty or Subdivision)	************	(State or Tarri	-DIL CON C
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#### (SUBMIT IN TRIPLICATE)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR

Budget Bureau No. 42-R359.4. Approval expires 12-31-60.

Indian J	fearch	 
	arilla	
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				Contract	
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ompany of C	betator	Das cl	THO THE C	ORIGINAL A	AND 4 CO	PIES WITH T	HE APPROPRIATE OF Lease Jicarilla Cont		Well No.
nit Letter	n Americ	Section	Township	· · · · · · · · · · · · · · · · · · ·	Range	<u> </u>	County Rio Arribe		
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LTOCE	au, Inc	• 	Is Gas	Actually C	onnected		No		
uthorized tr	ansporter of	casing head	gas or dry ga		Con-	Address (give	address to which approved	copy of this for	n is to be sent)
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## NEW MEXICO OIL CONSERVATION COMMISSION Santa Se. New Mexico

N (Form C-104)
Revised 7/1/57

## REQUEST FOR KOKKS - (GAS) ALLOWAPLE

New Well

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar able will be assigned effective 7:00 A.M. on date of completion or recompletion are shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15:025 one at 60° Fahrenheit.

	EREBY RE	QUESTIN	the reported on 15 (12) osiz at 60° Fahrenheit.  Farmington, New Mexico September 7, 1961  (Place)  (Oate)  (Oate)  (Oate)  (AN ALLOWARIE FON A WELL KNOWN AS:  ation-Jicarilla Contract, Well No. 13 in NW 1/4,  (Lease) 146
( Cor	npany or Ope	rator)	25H 5W NMPM Basin laketa Foot
um La Rio Arri	, Sec		County Date Specided July 19, 1961 Date Drilling Completed August 7, 1961  Elevation 6749 (GL) Total Depth 7295 PBTD 7256
Pleas	e indicate lo	cation:	7171 Name of Prod. Form. Dakota
D	C B	A	PRODUCING INTERVAL - Perforated Graneres with 6 shots per 100t 7191-7196' and 7210-7215'.
E	F G	H	Perforations Depth Depth Casing Shoe 7295 Tubing 7190
L	K J	I	OIL WELL TEST Choke  Natural Prod. Test:   Nois. oil.   bbls water in   hrs, min. Size    Natural Prod. Test:   Exacture Treatment (atter recovery of volume of oil equal to volume of Choke
M	N O	P	load oit used): bbls.oil, bbls water in brs. Con.
stion 9	and 1550 (FOOTAGE) T	-25-W H	( to the superiors of C.):
50° F3L stion 9 Fubing ,Ci	Feet	25-W Honting Read	Method of Testing (pitot, back pressure, etc.):  Test After Acid or Fracture Treatment: 1400 MCF/Day; Hours flowed 3 hour  Choke Size 3/4* Method of Testing: Pitot Tube Kassurement
Sure	Feet	enting Reco	Method of Testing (pitot, back pressure, etc.):  Test After Acid or Fracture Treatment: 1400 MCF/Day; Hours flowed 3 hour  Choke Size 3/4 Method of Testing: Pitot Tube Kassurement  Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 33,700 gallons water and 30,000 pounds sand. (30 gallons)
Eubling ,C	Feet 4961	Sax	Method of Testing (pitot, back pressure, etc.):  Test After Acid or Fracture Treatment:  Choke Size 3/4 Method of Testing: Pitot Tube Kassurament  Acid or Fracture Treatment (Give amounts of materials used, such as acid water, oil, and sand): 33 / 10 gallons water and 3 / 100 pounds asid.  Casing Tubing Date first new oil run to tanks
8-5/8* 4-1/2*	Feet 4961 73251 71901	SAX 375	Test After Acid or Fracture Treatment: 1400 MCF/Day; Hours flowed 3 hour  Choke Size 3/4 Method of Testing: Pitot Tube Kassirement  Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 33.700 gallons water and 30.000 pounds sand.  Casing Tubing Date first new oil run to tanks  Press: Press: Oil Transporter Plateau, Inc.  Gas Transporter El Paso Natural Gas Company  Gas Transporter El Paso Natural Gas Company
8-5/8* 4-1/2* 2-3/8* Remarks	Feet 4961 73251 71901 Completed	375 \$00 Septem	Test After Acid or Fracture Treatment: 1400 MCF/Day; Hours flowed 3 hour Choke Size 3/4 Method of Testing: Pitot Tube Kazaurement  Choke Size 3/4 Method of Testing: Pitot Tube Kazaurement  Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 3/4 Method of Testing: Pitot Tube Kazaurement  Casing Tubing Date first new oil run to tanks  Cil Transporter Plateau, Inc.  Cas Transporter El Paso Natural Cas Company  Gas Transporter El Paso Natural Gas Company  1961, as Shut In Basin Dukota Field Gas Well. Preliminary  1962 Acid One McF per day, tubing pressure flowing 120 psi, casing lowed 1400 McF per day, tubing pressure flowing 120 psi, casing
8-5/8* 4-1/2* 2-3/8* Remarks	Feet 4961 73251 71901 Completed	375 \$00 Septem	Test After Acid or Fracture Treatment: 1400 MCF/Day; Hours flowed 3 hour Choke Size 3/4 Method of Testing: Pitot Tube Kazsurament  Choke Size 1/4 Method of Testing: Pitot Tube Kazsurament  Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and gallons water and 3,000 pounds sand. (300 gallons)  Casing Tubing Date first new oil run to tanks  Cil Transporter Plateau, Inc.  Gas Transporter El Paso Natural Gas Company  Ser 5, 1961, as Shut In Basin Dakota Field Gas Well. Preliminary  flowed 1400 MCF per day, tubing pressure flowing 120 pai, casing  flowed 1400 MCF per day, tubing pressure flowing 120 pai, casing  flowed 1400 MCF per day, tubing pressure flowing 120 pai, casing  flowed 1400 MCF per day, tubing pressure flowing 120 pai, casing  flowed 1400 MCF per day, tubing pressure flowing 120 pai, casing  flowed 1400 MCF per day, tubing pressure flowing 120 pai, casing  flowed 1400 MCF per day, tubing pressure flowing 120 pai, casing  flowed 1400 MCF per day, tubing pressure flowing 120 pai, casing  flowed 1400 MCF per day, tubing pressure flowing 120 pai, casing  flowed 1400 MCF per day, tubing pressure flowing 120 pai, casing
Remarks test Sepressur  I he	Feet  496  7325  7325  7190  Completed  ptember 5  ereby certify  d	375 300 Septeman 410 pm	Test After Acid or Fracture Treatment: 1400 MCF/Day; Hours flowed 3 hour Choke Size 3/4 Method of Testing: Pitot Tube Kazaurement  Choke Size 3/4 Method of Testing: Pitot Tube Kazaurement  Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 3/4 Method of Testing: Pitot Tube Kazaurement  Casing Tubing Date first new oil run to tanks  Cil Transporter Plateau, Inc.  Cas Transporter El Paso Natural Cas Company  Gas Transporter El Paso Natural Gas Company  1961, as Shut In Basin Dukota Field Gas Well. Preliminary  1962 Acid One McF per day, tubing pressure flowing 120 psi, casing lowed 1400 McF per day, tubing pressure flowing 120 psi, casing

Budget Bureau No. 42-R355.4. Approval expires 12-31-60.

U. S. LAND OFFICE SERIAL NUMBER Contract 116

16--48094-4

LEASE OR PERMIT TO PROSPECT
Jicarilla Tribal

UNITED STATES

oil care com/ DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

X

### LOG OF OIL OR GAS WELL

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U. S. Land Office Seman Nuabon <u>Jakating</u>

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Constituted States
UNITED STATES

SEPARTMENT OF THE INTERIOR

GECLOGICAL SURVEY

### LOG OF OIL OR GAS WELL

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If is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the easing, state fully, and it any easing was "singetracked" or left in the well, give head location. If the well has been dynamited, give date, size, position, and manner of shorts. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

#### HISLOKK OF OIL OR CAS WELL 10-43004-2 0. S. GOVERHMENT PRINTING OFFICE MUDDING AND CEMENTENS RECORD Method used Mud gravity Amount of wind used Number sicks of cement PLUGS AND ADAPTERS Longith Dopth set SHOOTING RECORD TOOLS USED Retary tools were used from \_\_\_\_\_\_feet to \_\_\_\_\_\_feet, and from \_\_\_\_\_\_feet to \_\_\_\_\_\_feet fable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet to \_\_\_\_ feet to DATES Put toppeducing this constant of the constant The production for the first 24 hours was emulsion; .... 6 water; and .... 6 sediment Gravnty, °Bé. If gas well, carft, per 24 hours LEGE Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, ibs. per sq. in. EMPLOYEES .... Driller

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#### (SUBMIT IN TRIPLICATE)

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4 Approval expires 12-31-60.
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		a Pulled

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Losso No. Jigarilla Tribal Contract 146

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.	SUBSEQUENT REPORT OF ALTERING CASING.
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING.	SUPPLEMENTARY WELL HISTORY.
NOTICE OF INTENTION TO ABANDON WELL	Report of Potential Tost X
(INDICATE ABOVE BY CHECK MARK N	ATURE OF REPORT, NOTICE, OR OTHER DATA)
Well No. 13 is located 1650 ft. from	${\mathbb{S}}$ line and 1550 ft. from ${\mathbb{E}}$ line of sec. 9
/14 Goo and Goo No.)	(Bange) (Meridian)
Basin Dekota Rio Arriba	Heat Marriage
(Field) (County or	Subdivision) (State or Territory)
This is to report the following potent Potential test September 27, 1961, fla	weights, and lengths of proposed casings; indicate mudding jobs, comenter important proposed work) Lial test:  wed 1297 MCF per day through 3/4" cheke Lential 1357 MCF per day. Shut is easing
	OCT4 1961 OIL CO
I understand that this plan of work must receive approval in wri	
	tung by the Geological Survey Boore operations may be commenced.
Company Pen American Potroleum Corp	
Company Pen American Petroleum Corp Address P. O. Ben A60	eration
Company Pen American Potroleum Corp	ORIGINAL SIGNED BY
Company Pan American Petroleum Corp Address P. O. Box A60	eration

#### MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poc	ol Basin	akota		Formation	n Unico	rta		County_	lio ∧r	riba
Ini	tialX	A	nnual		Spec	ial		Date of	Test 😉	tember 27, 196
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#### INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

#### NOMENCLATURE

- Q I Actual rate of flow at end of flow period at W. H. working pressure  $(P_W)$ . MCF/da. @ 15.025 psia and 60° F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- $F_{R}$ I Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{\rm DV}$  Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If  $P_W$  cannot be taken because of manner of completion or condition of well, then  $P_W$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_t$ .

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LAND OFFICE		<u> </u>	
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OPERATOR	1		

## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-104

SINTAFE			REQUEST F	FOR ALLOWABLE	Supersedes Old C-104 and C-110 Effective 1-1-65
v.3.2 v.s.c.5.		AUTHORIZA	TION TO TRA	AND NSPORT OIL AND NATURA	AL GAS
LAND OFFICE		70,1101121		, , , , , , , , , , , , , , , , , , , ,	
I RANSPORTER -	OIL /				
OPERATOR					
PROBATION OFFI	E				
	OCO PRODUC	CTION COMPANY			
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If change of ownersh and address of previous					Dian
II. DESCRIPTION OF	WELL AND I	LEASE		nemation Kind of	Lease No.
Jicarilla Con		Well No. Pool!	Name, Including Fo	State, F	rederal or Fee Jic. Contract 146
(Josanon			740311		
Unit Letter <b>J</b>	:16	50 Feet From The	South Cin	e and <u>1550</u> Feet 3	From The <b>Fast</b>
Line of Section	9 Tov	waship 25N	Range	5W , NMPM,	Rio Arriba County
L			N'ACTIDAT CA	c	
III. I) ESIGNATION OF	TRANSPORT	or Condens	NATURAL GA	Address (Give address to which	approved copy of this form is to be sent)
Plateau, Inc.	•		Para Oraș	P. O. Box 108, Far	approved copy of this form is to be sent)
Northwest Pi			Dry Gas 🗽	1	Farmington, New Mexico 8740
f well produces oil c		Unit Sec.	Twp. P.ge.	Is gas actually connected?	When
give location of tanks		J 9	25N 5W	· · · · · · · · · · · · · · · · · · ·	1-25-62
If this production is IV. COMPLETION DA				give commingling order number	2 2 1 2 4 2 4
Designate Typ		on - (X)	Gas Wel.	New Well Workover Deepe	en prag Bask Same 1.65 W
Date Spudded		Date Compl. Ready	to Prod.	Total Depth	P.B.T.D.
		Name of Producing !	Committee	Top Oil/Gas Pay	Tuping Depth
illevations (DF, RKB	. RT, GR, etc.)	Name of Froducing			
Ser'orditons					Depth Casing Shoe
		TUBIN	IG, CASING, AN	D CEMENTING RECORD	
HOLE	SIZE	CASING & T	JBING SIZE	DEPTH SET	SACKS CEMENT
	DEATHER F	CP AT LOWARIE	(Test must be c	after recovery of total volume of io	ad oil and must be equal to or exceed top allow-
V. TEST DATA AND			able for this d	epth or be for full 24 hours) Producing Method (Flow, pump,	
Cate First New Oil F	un To Tanks	Date of Test		Producing Method (1 1997)	
Length of Test		Tubing Pressure		Casing Pressure	Choke Size
73.44	7	O11-3b.s.		Water - Bbls.	Gda - MCF
Actual Prod. During	. 40/				
					_
GAS WELL	ACF/D	Length of Test		Bbls. Condensate/MMCF	Gravity of Condensate
			2-4 (- )	Casing Pressure (Shut-in)	Choke Size
Testing Method (pito	t, back pr.)	Tubing Pressure (8	nut-in j		
VI. CERTIFICATE C	F COMPLIAN	ICE		11	ERVATION COMMISSION
			31 Consequation	LADDDAVED	FEB 7 1974 . 19
		regulations of the C with and that the i			med by A. R. Kendrick
nbove is frue end	complete to th	e best of my know	eage and petter.	PETROLEU	M ENGINEER DIST. NO 3
	A	. 3 4		TITLE	ed in compliance with RULE 1104.
	Original St. <b>G.</b> L. F.V.			If this is a request fo	or allowable for a newly drilled or deepened
The second designation of the second	(Sign	noture)		well, this form must be ac	accordance with RULE 111.
Area Ac	ministrati /T	i <mark>ve Superviso:</mark> Tite)	• •	his on new and recomple	orm must be filled out completely for allow sted wells.
314	,			}}	ns I, II, III, and VI for changes of owner ansporter, or other such change of condition
	comber 28	Jaie)		well name or number, or the	

#### OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

:: )	.,			
** ** Ceris* ***				
CHIMINUTE				
BANTAFE				
FILP				
U.S.U.S.	U.1.U.1.			
LAND OFFICE				
TRANSPORTER	OIL			
	GAS			
GPERATOR				
PROBATION OF		لبا	L	

1.	CAND OFFICE  TRANSPORTER  OLL  OAS  OPERATOR  PROBATION OFFICE		R ALLOWABLE ND PORT OIL AND NATURAL	. GAS		
	Amoco Production Compa	any				
	Address 501 Airport Drive, Far	sminaton NM 87401				
	Reason(s) for filing (Check proper box)		Other (Please exp	lain)		
	New Well	Change in Transporter of:		•		
	Recompletion Change in Ownership	Oil Dry Ga Casinghead Gas Conder				
	If change of ownership give name and address of previous owner					
n.	DESCRIPTION OF WELL AND I	Well No. Pool Name, Including Fo	ormation   Kin	d of Lease		Lease No.
	Jicarilla Contract 146	_	Stat	e, Federal or Fe	• Federal	Jicarill Con. 146
	Unit Letter;16	550 Feet From The South Lin	e and 1550 Fe	eet From The	East	
	Line of Section 9 Tow	mship 25N Range	5W <b>, ммрм,</b>	Rio Arri	ba :	County
· 1,	DESIGNATION OF TRANSPORT Name of Authorized Transporter of Oil Ciant Industries, Inc.	or Condensate 🔀	Address (Give address to wh			o be sent)
	Name of Authorized Transporter of Cas	inghead Gas or Dry Gas 🔀	Address (Give address to wh	ich approved cop	y of this form is t	o be sent)
	Northwest Pipeline Cor		P.O. Box 90, Farm	ington, NM	87401	
	If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge.  J 9 25N 5W	is qualification, considered	1		
	If this production is commingled with COMPLETION DATA			<u> </u>		
	Designate Type of Completion	n - (X) Gas Well	New Well Workover D	eepen Plug	Back Same Res	'v. Diff. Res'
	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.	r.D.	
	Elevations (DF, RKB, RT, GR, etc.)	Name of Producting Formation	Top Oil/Gas Pay	Tubir	ng Depth	
	Perforations			Depti	n Casing Shoe	
		TUBING, CASING, AND	CEMENTING RECORD			
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET		SACKS CEM	IENT
Ψ.	TEST DATA AND REQUEST FO		fer recovery of total volume of pth or be for full 24 hours)	load oll and mu.	it be equal to or e	xceed top allo
i	OIL WELL Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pur	np, gas lift, etc.)		
			Casing Pressure	Chok	• Siz•	
	Length of Twal	Tubing Pressure	ACTIV.	Gas		
	Actual Prod. During Test	Off-Bble.	Water-Bbls.	ITD /	MCI	· · · · · · · · · · · · · · · · · · ·
•			OCT 30	1981		
į	GAS WELL Actual Prod. Test-MCF/D	Longth of Tost	Bbla. Cond. Cold CON.	COM. Inan	ity of Condensate	
	Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressur (Shut-IB)	Chok	• Size	
.T.	CERTIFICATE OF COMPLIANC	E	OIL CONS	SERVATION	DIVISION	n 1001
	hereby certify that the rules and regulations of the Oil Conservation bivision have been complied with and that the information given		APPROVED	LLY FRANK T C		19 1301
	Division have been compiled with above is true and complete to the	best of my knowledge and belief.	BYSIGNAL SIGNAL		SUPERVISOR DISTRI	ICT # 3
			TITLE			
	Original film in E. E. SVC		This form is to be f If this is a request:	for allowable for	or a nawly drille	ed or deepens
-	(Signot	(we)	well, this form must be tests taken on the well	accompanied by	v a tabulation o	I the deviation
	District Admini	strative Supervisor	All sections of this able on new and recomp	form must be f	llisd out comple	taly for allow
	;		Fill out only 3-ctic	on* 1, 11, 111, tren+porter, or o	ther auch chang	e or constition

Form 9-331 (May 1963)

16.

## UNITED STATES SUBMIT IN TRIPLICATE\* DEPARTMENT OF THE INTERIOR (Other instructions on reverse side)

6761' RDB, 6749' GL

Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.

GEOLOGICAL SURVEY	Jicarilla Contract 146
SUNDRY NOTICES AND REPORTS ON WELLS  (I) o not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME  Jicarilla Apache
1.  OIL GAS WELL X OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	8. FARM OR LEASE NAME
AMOCO PRODUCTION COMPANY	Jicarilla Contract 146
3. ADDRESS OF OPERATOR	9. WELL NO.
501 Airport Drive, Farmington, New Mexico 87401	13
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface	10. FIELD AND POOL, OR WILDCAT  Basin Dakota  11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
1650' FSL & 1550' FEL	NW/4 SE/4 Section 9,
14. PERMIT NO.   15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OF PARISH 13. STATE

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:				
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE		PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON*		WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING	REPAIRING WELL ALTERING CASING ABANDONMENT*	
REPAIR WELL (Other)		CHANGE PLANS		(Note: Report results of	sent Status of multiple completion on Wel tion Report and Log form.)	X

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The reservoir pressure of Jicarilla Contract 146 No. 13 has decreased to the point where it will not flow against line pressure. The well is opened to line pressure monthly. Amoco Production Company is now reviewing the possibility of completing in the Mesaverde or Pictured Cliffs.

8. I hereby certify that the foregoing is true and correct Original Council by			
SIGNED	TITLE	Area Engineer	DATE October 31, 1974
(This space for Federal or State office use)		The second secon	
APPROVED BY	TITLE _		DATE

## Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions. Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

G.P.O.: 1973-780-622 /VIII-148

DISTRIBUTION
SANTA FE

### OIL CONSERVATION DIVISION P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

## REQUEST FOR ALLOWABLE

U.S.U.S.	REQUEST FOR	ALLOWABLE		
TRANSPORTER OIL OAS	AND  AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS			
PROPATION OFFICE				
Amoco Production Company	•		and the second s	
501 Airport Drive, Farmi	ngton, N.M. 87401	Other (Picore expla	in /	
Reason(s) for filing (Check proper box) New Well	Change in Transporter of:			
Recompletion	OII Dry Gas Contents			
Change in Ownership	Casinghead Gas Condens			
If change of ownership give name and address of previous owner		en conference against the contract the second and contract and contrac		
DESCRIPTION OF WELL AND I	EASE. Well No. Pool Name, Including For	7,1-21.0.1	of Lease Lease No.	
Jicarilla Contract 146	13 Basin Dakota		Gontrac Rast 14	
Unit Letter J : 1650	Feet From The South Line	and 1550 Fe	et From the gase	
Line of Section 9 Tow	nship 25N Range 51	, NEPM,	Rjo Arriba County	
DESIGNATION OF TRANSPORT	ER OF OIL AND NATURAL GAS	Address (Give address to wh	ich approved copy of this form is to be sent)	
Name of Authorized Transporter of Oil	,	n - 400 P1	comfield, N.M. 87413	
Plateau, Inc. Name of Authorized Transporter of Cas Northwest Pipeline Co	Ingheod Gas or Dry Gas r	P. O. Box 90	configurations (opy of this familiary)	
If well produces oil or liquids,	Unit Sec. Twp. Rge.	Farminglion, New	Mexico 87401	
give location of tanks.  If this production is commingled wit		give commingling order num	nber:	
. COMPLETION DATA	Oil Well Gas Well	New Well Workover D	eepen   Plug Back   Same Resty, Diff. Res	
Designate Type of Completion		Total Depth	P.B.T.D.	
Date Spudded	Date Compl. Ready to Prod.	16:di Deptii		
Elevations (D) 3, RT, CR, etc.;	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth	
Perforations			Depth Casing Shoe	
	TUDING CASING AND	CEMENTING RECORD		
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMERT	
	OD ATTOWART TO THE MUST be a	fter recovery of total valums	of load oil and muss be equal to as exceed for al	
TEST DATA AND REQUEST F	able for this de	pth or be for full 24 hours)   Producing Method (Flow, pr		
Date First New Oil Run To Tanks	Date of Test		Choke Size	
Length of Test	Tubing Pressure	Casing Pressure	DECENT	
Actual Prod. During Test	OII-Bbls.	Water - Bble.	IN SERVICE	
			A legitivity of Condentate	
GAS WELL Actual Prod. Test-MCF/D	Length of Test	Bble. Condensate/AbdCF	Off landy by of Condens of	
Teeting Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Cosing Pressure (Shut-ix		
CERTIFICATE OF COMPLIAN	CE	OIL CON	ISLINVATION DIVISION	
		APPROVED	. 19	
I hereby certify that the rules and Division have been complied wit above is true and complete to the	regulations of the Oll Conservation h and that the information given he best of my knowledge and belief.	BY_ Shank J.		
		TITLE	a filed in compliance with not F 1446.	
		of this is a reque	at for allowance by a tehnistica of the dev	
- Sau (5)	Inalwe)	there texastions of	tille form most be filled and provide	
		Il white our tiers will	into form mother amplies of for the come of mothers to the first product to the come of the control of the cont	
September 28, 198	(finte)	sometimes verter	• •/	

Form 3160-5 (November 1983) (Formerly 9-331)

16.

## UNITED STATES BUBMIT IN TRIPLICATE\* Other Instructions on reverse mide)

Budget Bureau No. 1004-0135 Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

∕Sicarilla Contract 146 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

BUREAU OF	LAND	MANAGEMEN	4T	
SUNDRY NOTICES	AND	REPORTS	ON	WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPI	LICATION FOR PERMIT for such proposals.)	Jicarilla Ap	oache
OIL GAS X OTHE	Я	7. UNIT AGREEMENT NA	ME
NAME OF OPERATOR		8. FARM OR LEASE NAM	ž .
Amoco Production Con	npany	Jicarilla Co	ontract 146
ADDRESS OF OPERATOR		9. WELL NO.	
501 Airport Drive,	Farmington, NM 87401	13	
	on clearly and in accordance with any State requirements.	Basin Dakota	
1650' FSL X 1550' F	RECEIVED	11. SEC., T., E., M., OR B SURVEY OR ARMA	LK. AND
	### D	NW/SE Sect S	
4. PERMIT NO.	15. ELEVATIONS (Show whether De, RT, CR, etc.)	12. COUNTY OR PARISH	13. STATE
	676 EURDB	Rio Arriba	NM

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
[-	
TEST WATER SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETE	FRACTURE TREATMENT ALTERING CASING
SHOOT OR ACIDIZE ABANDON*	SHOOTING OR ACIDIZING ABANDONMENT*
REPAIR WELL CHANGE PLANS	(Other)
(Other) Open new pay zone & stimulate	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.).

Amoco Production Company requests approval to rework the above referenced well according to the attached procedure.

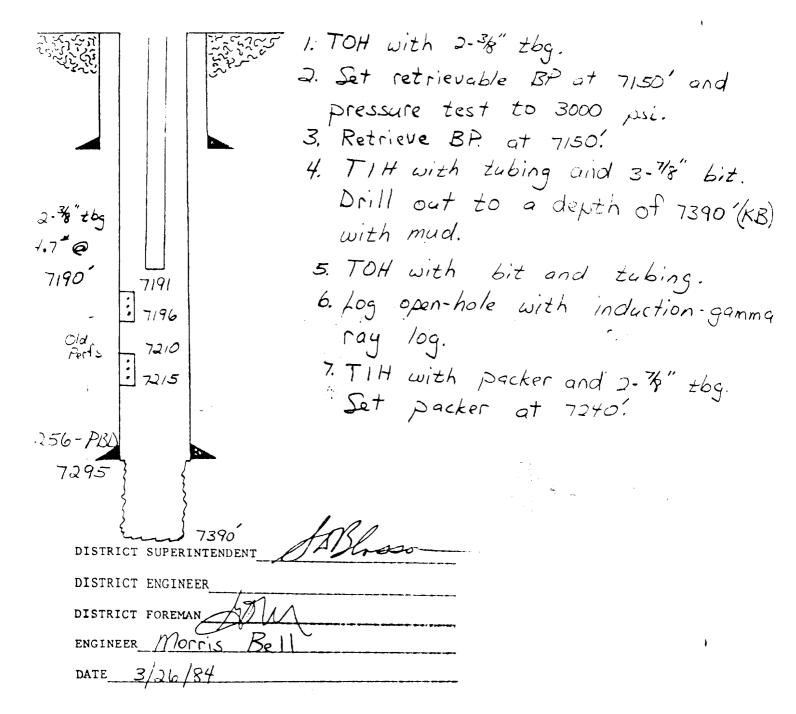
S. I hereby certify that the foregoing is true and correct SIGNED	A
	M. Millenbach ACL CON DEC
completing the wor	rk, PPROVED

\*See Instructions on Reverse Side

OPERATIONS TO BE PERFORMED: (Circle One)	Recompletion Repair Service
LEASE AND WELL Jicarilla Contract 146#13	FIELD Busin Dakota
FORMATION Dake ta	LOGS ILSP, GR, Sonic
LOCATION Sec. 9, 725 N, R5W	GR Correlation Log
COMP. DATE 8/7/6/ EL: 676/(KB)	TD: 7295 PBD: 7256
csc: <u>8-8"</u> 22.4 " 0 503":	4-1/2" 9.5 11 J-55 @ 7299'
COMP. INT. 7191-7196, 7210-7215	ORIG. STIM. 33 700 gs/S x 30,000 "Sc/10
IP 1297 MCFD	CURRENT PROD. INT. 7/9/-96, 72/0-15
PURPOSE: Deepen to Main Dakota	and stimulate.
SDB DHS GOM 5/PERMITTING DESK (TWE,	RWO, 2FF) ENGR FILE

#### WELLBORE SKETCH

#### PROCEDURE



7. Frac Main Dakota down 2-78" tubing with 90,000 gullons of 20 pound gelled water with 2% KCI containing I gallon surfactant per 1000 gallons and 120,000 pounds of 20-40 mesh sand at 25 BPM as follows:

A. Pump 15,000 gals. pad.

E. Pump 30,000 gals. @ 100,779

C. Pump 45,000 gals. @ 2.0,799.

D. Underflush with 43 66/2 of 2% KCI water.

8. Release packer and TOH to 7150'. Shut well in overnight.

9. TOH with 2-78" they and packer.
12 TIH with 2-8" production string and clean up frac.
11 Land they @ 7290' and setuin to production.

#### Notes:

- 1. Max treating pressure on tog is 7500 psi.
- 2. During frac, pressure up backside to 1800 psi. Do not exceed 1 BPM down backside.
- 3. Do not exceed TD of 7390'(KB). The Lower Dakota is water productive.

Form approved. Form 3150-5 (November 1983) UNITED STATES Budget Bureau No. 1004-0135 UNITED STATES

SUBMIT IN TRIPLICATED

Other instructions on recognition of the instructions on recognition of the instruction o Expires August 31, 1985 (Formerly 9-331) 5. LEASE DESIGNATION AND SERIAL NO. BUREAU OF LAND MANAGEMENT Jicarilla Contract 146 SUNDRY NOTICES AND REPORTS ON WELLS 6. IF INDIAN, ALLOTTEE OR TRIBE NAME (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT" for such proposals.) Jicarilla Apache WELL 7. UNIT AGREEMENT NAME WELL X OTHER NAME OF OPERATOR 8. PARM OR LEASE NAME Amoco Production Company Jicarilla Contract 146 3. ADDRESS OF OPERATOR 9. WBLL NO. 501 Airport Drive, Farmington, NM 87401 13 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*

At surface 10. FIELD AND POOL, OR WILDCAT <u>Basin Dakota</u> 1650' FSL X 1550' FEL 11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA 14. PERMIT NO NW/SE Sec. 9, 12. COUNTY OR PARISH 15. ELEVATIONS (Show whether of RT, GR, etc.) T25N, R5W Rio Arriba NM 16 Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF PRACTURE TREAT REPAIRING WELL MULTIPLE COMPLETE FRACTURE TREATMENT X ALTERING CASING SHOOT OF ACIDIZE ABANDON\* SHOOTING OR ACIDIZING REPAIR WELL ABANDONMENT\* CHANGE PLANS (Other) (Nork: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 17. LESCRIB: TROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any nent to this work.) • Amoco Production Company request approval to P X A the subject well according to the attached procedure. JUL3 0 1984 OIL CON. DIV. DIST. 3 18. I hereby cean gine Signed the and correct B. D. Shaw Administrative Supervisor PROVED, 1984

AS AMENDED SIGNED \_ TITLE (This space for Federal or State office use) APPROVED BY CONDITIONS OF APPROVAL, IF ANY: TITLE

\*See Instructions on Reverse Side

LIST Stan McKee

LIST Stan McKee

MM. MILLENBACH

AREA MANAGER

FAMILIAGION DIST	RICI WURKUVER
	DATE: 7/19/84
OPERATIONS TO BE PERFORMED: (CIRCLE ONE)	RECOMPLETION REPAIR SERVICE
LEASE AND WELL Jicarilla Contract 146 No. 13	FIELD Rasia Nata
FURMATION Dakota	LOGS // Soic GR SP GP N /
LOCATION SE/4, Sec 9, T25N, RSW	Pin Araba Cart No m:
	70
CSG: 0-18 " 22.4 # 0 503 1: 4	1-5 " 95 # KES A 7:00.
COMP. INT. 7/9/-96, 72/0-15	ORIG. SIIM 33.700 / 72.79
IP 1297 MCFD	CURRENT PROD. INT. None
PURPOSE: PXA	None
BVD GMK	OCEDURE
1. MIRUSU	. , , , , , , , , , , , , , , , , , , ,
The wit	h 2-3/8" tubing and cement Set retainer at 6890' and
set ainer.	Set retainer at 6890' and
cement so	queeze with 100 sx of
C1921 D	NeaT.
0js Alamo 2575 Snot 60	2-3/8" tubing to 5400' and
3,000 60	SX of Class B Neat.
7. 10H WILH	2-3/8 tubing to 4050 and
P.C. 3020 Spot 25 S	X of Class B Neat.
Chacra 3942 5. TOH WIE.	A 2-38" tubing to 3100' and
Spot 15	SX of Class & Neat with
Mesaverda 5343	. 10H with tubing.
ment 6. Kun Cemu	ent bond log from 2700-2200
+ 6890 // //ake Zwo	(d) log runs. One log run is
LO made	without casing pressured
THE SECOND	(BL run is to be made
. With Casin	pressured to 1500 psi.
	,

DISTRICT N	MANAGER A A A COMPANIENT OF THE STATE OF THE
DISTRICT 8	ENGINEER Fin Stlender
DISTRICT F	FOREMAN The Sun
ENGINEER	Morris Bell
<b>5</b> 572	7/12/24

7. If CBL indicates good cement from 2575-2405, TIH with 2-38" tubing to 2650' and spot 22 SX of Class B Weat. If CBL indicates no cement from 2575-2405; perforate with 1 JSPF at 2600' and perforate with I JSPF at 2370' TIH with. 2-38" tubing and cement retainer. Set retainer at 2395 and establish circulation around retainer. Cement with 90 sx of Class B Neat. 8. TOH to 550' and spot 22 SX of Class B New 9. TOH with 2-38 tubing. 10 | Cut-off well and install DXA marker 11. Release-Rig.

#### EURLAU OF LAND MANAGEMENT Caller Service 4104 Farmington, New Mexico 87499

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

Well: 13 Jic. Contr. 146

#### CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."

- 2. The Farmington office (telephone (505) 325-4572) is to be notified in sufficient time for a representative to witness all plugging operations.
- 3. Blowout prevention equipment is required.
- 4. In addition to normal filling of pits and cleanup of location, additional surface restoration work <u>may</u> be required, i.e. ripping of pad and/or access road, reseeding, etc. We have asked the Surface Management Agency for the surface restoration requirements for this well and we should be able to furnish you these requirements within 30 days. After plugging the well and before making final clean-up, you should contact this office unless you have already been advised as to what additional surface restoration work is required.
- 5. The following modifications to your plugging program are to be made (when applicable):

Place Cement outside of the 45" casing from 550' to 450', either by braden head squeet or through perforations at 550'.

You are further advised that any instructions, orders or decisions issued by the Fureau of Land Management are subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

Office Hours: 7:45 A.M. to 4:30 P.M.

Form 3160-5 (November 1983)  (Formerly 9-331)  DEPARTMENT OF BUREAU OF LAN	THE INTERIOR (Other instructions on re	Budget Bureau No. 1004-0135 Expires August 31, 1985  5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 146	
SUNDRY NOTICES AN	D REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
(Do not use this form for proposals to drill o Use "APPLICATION FOR P	Jicarilla Apache		
OIL CAS OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR  Amoco Production Company		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR	Jicarilla Contract 146		
501 Airport Drive, Farming to 4. Location of Well (Report location clearly and in a See also space 17 below.)	on, NM 87401 accordance with any State requirements.*	13 10. FIELD AND POOL, OR WILDCAT	
At surface		Basin Dakota	
1650' FSL X 1550' FEL	RECEIVED	11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA	
14. PERMIT NO.	NS (Show whether pr. RT, gr. etc.)	NW/SE Sec. 9, T25N, R5W	
į.	(Shiply whether Dr. RT. GR. etc.)	12. COUNTY OR PARISH 13. STATE	
	ox To Indicate Nature of Notice, Report, or C	The Data	
NOTICE OF INTENTION TO:		TENT REPORT OF:	
TEST WATER SHUT-OFF FRACTURE TREAT  PULL OR ALTER MULTIPLE COMP	Walla Shut-Off	REPAIRING WELL	
SHOOT OR ACIDIZE ABANDON*	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ALTERING CASING ABANDONMENT*	
(Other)	X. (Other) Report regular	of multiple completion on Well etion Report and Log form.)	
	restate all perfinent details, and give perfinent dates, ive subsurface locations and measured and true vertical uests approval to revise the PXA. See attached revisions.		
I hereby Complinate State office use)  SIGNED B. D. Shaw  (This space for Federal or State office use)  APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE Administrative Supervisor	AUG 1 5 1984  AUG 1 5 1984	
12	1919 JUG	JOHN S. MCKEE	

JOHN S. MCKEE M. MILLENBACH AREA MANAGER 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.

\*See Instructions on Reverse Side

## FARMINGTON DISTRICT WORKDYER

DATE: 8/9/84
OPERATIONS TO BE PERFORMED: (CIRCLE ONE) RECOMPLETION REPAIR SERVICE
LEASE AND WELL Jicavilla Contract 146 No. 13 FIELD Basin Dakota
FORMATION Dakota 1005 // Sovie CR CR CR
LOCATION SE/4, Sec 9, 725 N, R5W Ric Arriba County, New Mexico
COM. DATE 3/1/6/ EL: 676/ (K/3) TO: 7)GG/ DDD 7)-//
6.36: 8 - 18 = 22.4 = 6.503 = 4 - 12 = 9.5 = 12.501
COMP. INT. 7/9/-96, 72/0-15' CRIS. STIM. 33 200 SC/LX 30 000#
CURPENT PRODUINT ADD
PURPOSE: PXA
MUH TKA TWE GOM MCH RWO 5/GERMITTING DESK 2DF RIGHT BYD BYD GMK
MELLBORE SKETCH PROCEDURE AUG 2 1 1984
OIL CON. DIV
Please revised procedure dated
7/19/84 to reflect the following changes: Step 6 - Run cement band log
from 2700-3200' and 550-450'. Make
two log runs. One log " to be made
without casing pressured. The 2nd log
will be made will casing pressured
$p_{3c}$
Step 8 - If CBL indicates good coment
from 550-450, TIH with tubing to
and spot 22 sx of Class
D Neat. It CBL indicates as come to
380-450 Dertorate with 1 Tons
- Color with I JSAF at was
with with tubing and cement notation
Country at 465 and extellight in 10
DISTRICT MANAGER  around retainer. Cement with 50 SX Class B Neot.
DISTRICT ENGINEER Sim (Mindely)
ENGINEER Morris Bell
DATE 8-9-84

Form 3100-5	
(November 1983) (Formerly 9–331)  DEPARTMENT OF THE INTERIO  BUREAU OF LAND MANAGEMENT	All de la faction de la factio
DEPARTMENT OF THE INTERIO	R TEMPERATURE Expires August 31 1004-01.15
BUREAU OF LAND MANAGEMENT	Corrello Solver 10004-01.15  Corrello Solver 10004-01.15  Expires August 31, 1985  Discourse 111-0004-01.15
CHINDRY MOTISTS	Jearilla Contract 146
SUNDRY NOTICES AND REPORTS OF The Proposale to drill or to decimal or plants	J WELLEN DAS
(Do not use this form for proposals to drill or to deepen or plur back  Use "APPLICATION FOR PERMIT—" for such proposals.  1.	WELLSE OR TRIBE NAME
I. for such prop	osala.)
WELL 1 200 X	The state of the s
2. NAME OF OPERATOR	CONTRACTOR OF THE PROPERTY NAME
	30338
Amoco Production Company 8. ADDRESS OF OPERATOR	KRT X A STREET OF LOADS WAVE
	Jicarilla Contract 146
501 Airport Drive, Farmington, NM 874	01 - WELL NO.
4. LOCATION OF WELL (Report location clearly and in accordance with any Stat At surface	13
at surface	e requirements.* 10. FIRED AND POOL, OR WILDCAT
1650' FSL X 1550' FEL	Basin Dakota
	11. BBC., T., R., M., OR BLK. AND SURVEY OR ARMA
14. PERMIT NO.	1 MI / Om
15. ELEVATIONS (Show whether Dr. RT. O	
1 0761 RDB	12. COUNTY OR PARISH 12 STATE
Check A	Rio Arriba NM
Appropriate Box To Indicate Nature	of Notice D
Check Appropriate Box To Indicate Nature	of Profice, Report, or Other Data
TEAT Witten away -	SUBSEQUENT REPORT OF:
PRACTURE TREAT	WATER SHUT-OFF
BHOOT OR ACIDIZE	PRACTURE TREATMENT
REPAIR WELL	
(Other)	ABANDONMENTO Y
	(Other)
proposed work. If well is directionally drilled, give subsurface locations and	Completion or Recompletion Report and Tender on Well
drined, give subsurface locations and	S. and give pertinent dates, including estimated date.
T. Control of the con	tive vertical depths for all markers and sones perti-
MOVER in and ma	
and set at:6880! and service unit on 8/9	9/84 Tring 1 .
Moved in and rigged up service unit on 8/9 and set at 6880'. Squeezed 118 cu. ft. Cl plugs across the following intervals: 5400 2650' - 2360'. Pressure tested to 1500 ps	ass R
2650' - 2360'. Pressure tested to 1500 ps 2 jspf, .38" in diameter, for a total of 4	then spotted
2 dans 2000. Pressure tested to 1500 no	3720' - 3720' - 3720' - 3900'
2 jspf, .38" in diameter, for a total of 4 465' and squeezed with 59 cu. ft. Class B Installed dry hole marker and market	Perforated 451' - 450' 551' - 550'
465' and squeezed with 59 cu. ft. Class B Installed dry hole marker and release the	hodes. Set a cement retainer at
installed dry hole marker and release	through perforations to 55All
Installed dry hole marker and release the	rig on 8/14/84.
	~ *
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D 8 6 2 1 1 1 -	
DEGEIVEM	<b>-</b>
	RECEIVED
שו	TOEIVED
DEC 1 8 1984	SEP 181984
	181984
OIL CON. DIV.	BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA
•	MANAGEMENT
DIST. 3	FARMINGTON RESOURCE AREA
hereby certify that the foregoing is true and correct	
Original Signed By Correct	
B. D. Shaw TITLE Administra	tive Supervisor ADDROVED
bis space for Federal or State office use)	APPROSYST LAPPROSYST
<del></del>	AMENDED
PROVED BY	AS AWILL
NDITIONS OF APPROVAL IF ANY:	
proved as to plugging of the well bore.	DATE DEC. 1 11984
proved as to plugging of the more pl	Il Musit
ability under bond is recurred.	Viallatos
riace restoration is companiesons on Revene	Side M. MILLENBACH
o U.S.C. Section 1001	ADEA MANAGER
States any false, fictitious or fraudulent statements or services of the statements of the statement of the state	Side M. MILLENDAGER AREA MANAGER
"" Surrent Statements - """ 410 W	HIIIIII to mate.

U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any denaments or representations.

Form 3160-5 (November 1983) (Formerly 9-331)		UNITED STA MENT OF TH AU OF LAND MA	IE INTERI	SUBMIT IN TRIPLI OR (Other Instructions OR verse side)	CATE*	Budget Bureau Expires August 5. LEASE DESIGNATION Jicarilla Con	31, 1985	
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)					6. IF INDIAN, ALLOTTEE OR TRIBE NAME  Jicarilla Apache			
OIL GAS (	X OTHER					7. UNIT AGREEMENT NA		
						8. FARM OR LEASE NAME Jicarilla Contract 146 9. WELL NO. #13		
501 Airport Drive, Farmington, NM 87401  Location of Well (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1650' FSL X 1550' FEL								
					10. FIELD AND POOL, OF	WILDCAT		
					Basin Dakota  11. sec., T., R., M., OR BLK. AND BURYET OF ARMA  NW/SE Sec. 9, T25N, R5W			
14. PERNIT NO.		15. ELEVATIONS (S		tt, GR, etc.)	- 1	12. COUNTY OR PARISE		
		6761' 1	RDB			Rio Arriba	NM	
16.	Check A	opropriate Box To	Indicate No	ture of Notice, Report	, or Ot	her Data		
NO	TICE OF INTE	TION TO:			UBBEQUE	NT EMPORT OF:		
TEST WATER SHUT-OFF		PULL OR ALTER CASIN	G	WATER SHUT-OFF		REPAIRING W	BLL	
FRACTURE TREAT		MULTIPLE COMPLETE		FRACTURE TREATMENT	·	ALTERING CA	BING	
SHOOT OR ACIDIZE		ABANDON®		SHOOTING OR ACIDIZIN	ic	ABANDONMEN	T* XX	
REPAIR WELL, (Other)		THANGE PLANS		(Other)	results of	f multiple completion of ion Report and Log for		
and set a plugs acr 2650' - 2 2 jspf, . 465' and	t'6880'. oss the 360'. I 38" in d squeezed	Squeezed l following in ressure test iameter, for with 59 cu.	18 cu. ft tervals: ed to 150 a total ft. Clas	8/9/84. Trippe. Class B cement 5400' - 4600', 4 0 psi. Perforat of 4 holes. Set s B through perf the rig on 8/14/	belo 050' ed 45 a ce orati	w 6880', then - 3720', 3100' 1' - 450', 553 ment retainer	spotted' - 2900',	
		J.		5	BURF	ECEIV SEP 181984 AU OF LAND MANA INGTON RESOURCE	1	
I hereby certify that the HIGH	. D. Sha	ad By <sup>∞rrect</sup> ₩	Langer, 3	nistrative Super	visor	APPRO AS AME	VED NDED	
APPROVED BYCONDITIONS OF APPRO	VAL, IF AN	P .	ITLE			DATEDEC 11	1984	
	-1 acin	, of the Wel-	l bore. ntil				NBACH	
Approved as to Liability under surface restora				D C: 1		M. MILLI AREA M.	ANAGER	
surface restora	161011 13	<b></b>	dis Off	Reverse Side		AREA M	( ) ( ) ( )	

---- Side