Fornia 9-331 C (May 1963)	DEPARTMENT			COPT SUBMIT IN TH (Other instru- reverse 8	ctions c	30 015- 5. LEASE DESIGNATION	NO. 92-R1425. 22111 AND SERIAL NO.
	ION FOR PERMIT T	DRILL DEF	PFN O	R PILIG F	ACK	0. IF INDIAN, ALLOTTE	
Ia. TYPE OF WORK			<u>1 EIN, O</u>			7. UNIT AGREEMENT N	AME
<b>b. TYPE OF WELL</b>		DEEPEN		PLUG BA		OLD INDIAN I	
2. NAME OF OPERAT	GAS WELL OTHER		SINGLE ZONE	MULTIP ZONE	·I.E	S. FARM OR LEASE NA. OLD INDIAN (	SRAW UNIT
$\overline{\Lambda}$ (	RODUCTION COM	PANY				9. WELL NO.	5
3. ADDRESS OF OPER	ATOR A		ac 7	9336	1. {	31 10. FIELD AND POOL, C	DR WILDCAT
4. LOCATION OF WE At surface	LL (Report location clearly and i			irements.*)		INDIAN DRA	W - DELAWARE
.8 <del>30'</del> -∓₩ At proposed pro	L X 2321' FNL d. zone 730' FWL	SEC 7 (UNA	TE AL V	y way	<i>•</i>	11. SEC., T., B., M., OR AND SURVEY OR AN	
	ILES AND DIRECTION FROM NEARI	OT TAWN OF DAST AFT		<del>ĕ 1977</del> -		7-22-28 12. COUNTY OR PARISH	NM PMI
9 MILES	<u> </u>	AS, NM		-		EDDY	NM1
15. DISTANCE FROM LOCATION TO NI PROPERTY OR LI	PROPOSED* EAREST	16.	1000 C	ES.IL LEASE		OF ACRES ASSIGNED HIS WELL 26 11	1
18. DISTANCE FROM	st drlg. unit line, if any) FROPOSED LOCATION <sup>®</sup> ELL, DRILLING, COMPLETED,		PROPOSED D	ЕРТН	20. ROTA	35.4	<u> </u>
OR APPLIED FOR,	on THIS LEASE, FT.		5900	)		KOTARY	DRK WILL START*
3118							
23.	PF	OPOSED CASING A	ND CEMEN	NTING PROGR.	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT		TING DEPTH	PIRA	QUANTITY OF CEME	NT
77/8"	5 1/2"	14-15.5	F 5	900'		ICIENT TO T SURFACE PI	
and or sy	ling well, logs timulating as ne GRAM: O-SCP	,	attem	pting co	mmen	made, perf cin product RECE	
		BRINE				MAR 24	1977
BOP PROC	GRAM: ATTACHED					U.S. GEOLOGIC ARTESIA, NEV	AL SURVEY V Mexico
	SCRIEE PROPOSED PROGRAM : If pi is to drill or deepen directional if any.						
BIGNED	n V. Stendley	TITLE	STAFE	ASSISTI	ANT C	56] DATE 3-2	-3-77
(This space for	r Federal or State officionse)					2	
PERMIT NO.		· · · · · · · · · · · · · · · · · · ·	A PEROVA	L DATE			
APPROVED BY			·	191		DATE	
E 4- USGS - AR	THE ANY CHEANY		. <b>J</b>	UL			
1- DIV 1- SUSP	in the	. ₹ <sup>20</sup> <b>#C : 1</b>		C· 1		,	
I-RC Z-BASS	A STAR FORT	*See Instructio	ns Un Ke	verse Jide			

## NEW MEXICO OIL CONSERVATION COMMISSION WELL CATION AND ACREAGE DEDICATION AT

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	All distan	ces must be from the order bo	andaries of the Sec	1.cn	
	oduction Company		Indian Draw	init	31
E	7 22 Sout	th Parate 28 E	ast	Eddy	
Actual Fortage Lar alter 830 te	et from the West	line and 2321	lort train	North	line
Ground Lyvel Elev. 3118.4	DELAWARE	Paul INDIAN	DRAW DE	LAWARE	Deducated Acreages 35,46 Acres
1. Outline the a	creage dedicated to the				e plat below.
interest and r	oyalty).				ereof (both as to working Manager consoli-
dated by comr	autrization, anti-zation,	torre pooring, etc.			
Yes [	-	res," type of consolidation			24 1977
If answer is " this form if ne	'no.'' list the owners and cessary.)	tract descriptions whin	h have actually	been ARTESIA,	GIGARISHAVEYErse side of NEW MEXICO
No allowable	will be assigned to the w	ell until all interests ha	ve been consol	lidated (by com	nunitization, unitization, approved by the Commis-
	1				CERTIFICATION
	   			toined her	ertify that the information con- ein is true and complete to the rknowledge and belief.
2321'		 		Position	ay w. Cox
	ł	1		Company	istrative Assistant
830'	<b>{</b>			Date	RODUCTION COMPANY
830 - 20		1		M	ARCH 7, 1977
		ON FINGINEE	OF SURVEY	snown on nates of under my is true a	certify that the well location this plat was platted from field actual surveys made by me or supervision, and that the same nd correct to the best of my cond belief.
		TRIV ME	WEST W		ry 12, 1977
0 330 650 VD	1320 1650 1640 2110 24	EC 2000 1500	1000 822		675

## Attachment to "Application for Permit to Drill" Form 9-331 C

	Old Indian Draw Unit Well No. 31, Unit E, 830' FWL and 2321' FNL, Section 7,
-	Township 22 South, Range 28 East, Eddy County, New Mexico
1	Location (See Attached Form C-102)
	Elevation (See Attached Form C-102)
(	Geologic name of surface formation Unknown
(	Type of drilling tools and associated equipment to be utilized. (See Form 9-331 C)
	Proposed drilling depth. (See Form 9-331 C)
	Proposed drilling depth. (See Form 9-331 C) Estimated tops of important geologic markers. Base Salt - 2300' RECEIVED MAR 24 1977 U.S. GEOLOGIC
	Base Salt - 2300'U.S. GEOLOGICAL SURVEYDelaware Sand - 2400'ARTESIA, NEW MEXICOOld Indian Draw Sand - 3260'.
	Old Indian Draw Sand - 3260'
	Bone Springs - 5820'
1	Estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered. Indian Draw Sanc - 3260'
	Bone Springs - 5820'
F	Proposed casing program including size, grade, and weight of each string and whether it is new or used. (See Form 9-331 C)
F	Proposed setting depth of each casing string and the amount and type of cement (inclu additives)to be used. (See Form 9-331 C)
-	
	· · · · ·

- 10. Operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, presssure ratings (or API series) and the testing procedures and testing frequency. (See Attached BOP Program)
- \_\_\_\_\_ Type and characteristics of the proposed circulating medium or mediums to be 11. employed for rotary drilling and the quantities and types of mud and weighting material to be maintained. O to Surface Casing Point -- Water x Native Mud SCP to Total Depth -- Brine x Native Mud . \_\_\_\_\_ · · · · · 12. Testing, logging and coring programs to be followed with provisions made for required flexibility. Dual Laterolog Micro - SFL Borehole Compensated Sonic Log Any anticipated abnormal pressures or temperatures expected to be encountered or 13. potential hazards such as hydrogen sulfide gas, along with plans for mitigating such hazards. . None Anticipated starting date and duration of operation. 14. ASAP \_\_\_\_\_
- 15. Other facets of the proposed operation, operator wishes to point out for the Geological Survey's consideration of the application.

None

## ATTACHMENT TO FORM 9-331C

APPLICATION FOR PERMIT TO DRILL

LEASE OLD INDIAN DRAW UNIT FED.	WELL NO. 31
LEASE OLD INDIAN CHILD LOCATION UNITE, SEC. 7, T-22-5,	R-28-E
POOL INDIAN DRAW DELAWARE	
COUNTY EOOY STA	ATE NM

The undersigned hereby states that Amoco's representative, Mr. <u>J.H.HANKINS</u>, personally contacted  $M\underline{R}$ . HENRY H. GLANDI, CARLSGAD, the owner/leesee of the surface land where the proposed work is to be conducted and advised him of the proposed work, the construction site and pertinent roads included in the project. It is further stated that, upon being fully advised of the extent of the work and the effect upon the surface, said owner has consented to the said work and that and the effect upon the surface, surface has consented to the sara work and that agreement as to the compensation for damages to the surface estate has been reached.

Ray W. Cox

Administrative Assistant

- 1. Blow-out prevente and master value to be fluid operat and all fittings must be in good condition, 3,000# W.P. (0,000 p.s.i. test), minimum.
- 2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
- 3. Nipple above blow-out preventer shall be same size as casing being drilled through.
- 4. Kelly cock required, 3,000# W.P. (6,000 p.s.i. test), minimum.
- OMSCO or comparable safety value must be available on rig floor at all times with proper connection or sub, 3,000# W.P. (6,000 p.s.i. test), minimum.
- 6. Blow-out preventers and master valve while drilling intermediate hole to 6,000' may be 2,000- W.P. (4,000 p.s.i. test), minimum.
- 7. Choke assembly, beyond second valve from cross, may be positioned (Optional) outside of derrick foundation.
- 8. Spool or cross may be climinated if connections are available in the lower part of the blow-out preventer body.
- 9. Plug valves gate valves are optional. Valves snown as 2" are minimum size. 10. Casing head and casing head spool, including attached valves, to be fur-
- nished by Pan American. 11. Rams in preventers will be installed as follows:
- When drilling, use: When

Top Preventer - Drill pipe rams Bottom Preventer - Blind rams or master valve When running casing, use: Top Preventer - Casing rams Bottom Preventer - Blind rams or master valve.



BLOWOUT PREVENTER HOOK-UP PAN AMERICAN PETROLEUM CORP.

FYHIRIT D-I MODIFIED

## OLD INDIAN DRAW UNIT FEDERAL WELL NO. 31

Surface Use Plan ----- See info. attached to Well No. 23, Unit L, NW/4 SW/4 Sec. 7, T-22-S, R-28-E.

Exhibits A, B, C, & E ------ See info. attached to Well No.23, Unit L, NW/4 SW/4 Sec. 7, T-22-S, R-28-E.

Archaeological Report ----- See info. attached to Well No. 23, Unit L, NW/4 SW/4 Sec. 7, T-22-S, R-28-E.

LEASE & WELL NUMBER 31 LOCATION

ATTACHMENT TO PROPOSED DEVELOPMENT PLAN FOR SURFACE USE, AND FORM 9-331C

13. <u>Certification</u>: The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the cperations proposed herein will be performed by: <u>Amoco Production Company</u> and its contractors and subcontractors in comformity with this plan and the terms and conditions under which it is approved.

<u>3-23-77</u> DATE

NAME AND TITLE



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