30-015-25729

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Form 3160-3 (November 1983) (formeriy 9-331C) UNITED STATE DEPARTMENT OF THE BUREAU OF LAND MANA APPLICATION FOR PERMIT TO DRILL,			IENT	uctions on side)	 Form approved. (1/1)7 Budget Bureau No. 1004-0136 Expires August 31, 1985 5. LEASE DESIGNATION AND SEBIAL NO. LC -029389-a 6. IF INDIAN, ALLOTTER OR TRIBE NAME 		
14. TTPE OF WORK				ľ	7. UNIT AGESEMENT	-	
_		DEEPEN	PLUG BA			•	
b. TIPE OF WELL			SINGLE MULTI		8. FARM OR LEASE	fam#	
A NAME OF OPERATOR	WELL OTHER			7-7-	Baish Fed	leral	
ARCO Oil and			RECEIVED B		9. WELL NO.		
ARCO OII and			108	7	#3		
	0, Midland, TX		FEB 19 198	,	10. FIELD AND FOOL, OR WILDCAT		
4. LOCATION OF WELL (Report location clearly an	d in accordance with an	o, C. D.		<u> </u>	•	
660' FNL & 1980' FWL (Unit letter C) ARTESIA. OFFICE					11. SBC., T., R., M., OB BLE. AND SURVEY OB AREA		
At proposed prod. 30	**************************************	and the second	ARTESIA, C		0 100	0.1 m	
	(Same as At				Sec. 9-18S-	-	
	AND DIRECTION FROM NE.				12. COUNTY OB PARI		
	theast of Loco	-			Eddy	NM	
15. DISTANCE FROM PROM LOCATION TO NEARER PROPERTY OF LEASE (Also to Respect of	it /	560' FNL	. NO. OF ACRES IN LEASE 440	TO TI	HIS WELL 40		
19. DISTANCE FROM FRO TO NEAREST WELL, OR APPLING FOR, ON TI	POSED LOCATION®	19	. FROPOSED DEPTE 8900 1	20. BOTA	Rotary		
21. ELEVATIONS (Show w GR 3713.6'	tether DF, RT, GR, etc.)				22. APPROX. DATE ASAI	WORE WILL START®	
23.		PROPOSED CASING	AND CEMENTING PROGI	RAM			
	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CE	MBNI	
17-1/2	13-3/8"	54.5# K-55	680'	650	sx Circ		
11"	8-5/8"	K−55	2150'	800	sx Circ		
7-7/8"	5-1/2"	17# K-55	8900'	1700	sx TOC @ 19	500'	
	1	17# N-80	I	I			

Propose to drill a North Shugart (Bone Springs) development well and test for commercial production.

Blowout preventor program attached.

IN ABOVE SPACE DESCRIPE PROFESS PROFESAM : If proposal is to deepen or plug back, give data on present productive some and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

STONED Sent Day	Drilling Engine	er 2-5-87
(This space for Federal or State office use)		
PERMIT NO.		
Torig. Sad. Land of the state		2-17-57

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001. makes it a crime for any person knowingly and willfully to make to any department or agency of the sector of the

NE MEXICO OIL CONSERVATION COMMISSI WELL LOCATION AND ACREAGE DEDICATION PLAT

ator AR COLOTIL AND GAS COMPANY BAISH FEDERAL 3 Detter Section Township Pange Townsy C 9 18 SOUTH 31 EAST EDDY C 9 18 SOUTH 31 EAST EDDY South Contraction of Well: 5 5 5 South Contraction of Well: 5 5 5 South Contraction of Well: 5 1980 feet time the WEST South Contraction Pool A Contraction of Well: 5			All diste		en the outer bound	aries of the S		
Image: Image: <th>Lerator ARCO UIT.</th> <th>AND GAS</th> <th>COMPANY</th> <th>1</th> <th></th> <th>H FEDERA</th> <th>L</th> <th>*•1. ***. 3</th>	Lerator ARCO UIT.	AND GAS	COMPANY	1		H FEDERA	L	*• 1. ***. 3
1.1 1				A	Pange	r ~ _		
Applie for the res NORTH Instance 1980 Test the based to make and the set of the set			18	SOUTH	<u>31 EA</u>	ST	EDDY	
The indicate planting The indicate planting The indicate planting All indicates planting Outline the accreage dedicated to the abject well by colored pencil of bachare marks on the plat below. All indicates planting All indicates planting If more than one lease is dedicated to the well, outline "RECEIVED BY If more than one lease of different ownership is dedicated EEB 19/1909 the platests of all owners been consuld dated by communitation, unitation, force-pooling tree? O. C. D. If more than one lease of different ownership is dedicated descriptions which have actually been consolidated. The reverse sole this form if necessary is in the owners and tract descriptions which have actually been consolidated. The reverse sole this form if necessary is not selected on the well until all interests have been consolidated to communitization, unitization, Sion. CERTIFICATION If answer is "not" list the owners and tract descriptions which have actually been consolidated. The reverse sole this form if necessary is not selected on the well until all interests have been consolidated to communitization, unitization, son. CERTIFICATION If any is the communitization of the selected on the selecte			ייסמיי	i	1980	innt in-	VEST.	
Bone Springs [V. North Shugart _ 40					Pqol À		<u>. ne nuor</u>	
b. If more than one lease is dedicated to the well, out in energy the starting the ownership thereof (both as to work in interest and rowalty). 3. If more than one lease of different ownership is dedicated EEB 19 11/9997 the interests of all owners been consuldated to communitization, unitization, force-pooling tr? O. C. D. Yes No. If answer is "yes!" type of consultability of consultability of the ownership interests and tract descriptions which have actually been consolidated. "I series reverse note this form if necessary." Yes No. If answer is "yes!" type of consultability of the ownership interests, has been approved by the Communitization, unitization force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Communitization force-dopoiling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Communitization force-dopoiling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Communitization of the ord marked and beleft. If any how ledge and beleft is the ownership interest is the ownership thereof that the cell least of any how ledge and beleft. If any how ledge and beleft is the ownership interest. If any how ledge and beleft is the ownership interest. If any how ledge and beleft is the owner of the base of the ownership interest. If any how ledge and beleft. If any how le	3713.6'					ugart	ĩ	<u>40 A re</u>
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1980' 1980' 1980' 1 and herein is true and complete to the best of my knowledge and belief 1 and 1 and Gas Co. 1 thereby certify that the well location 1 hereby certify that the set of 1 hereby certify that the s	If more than or dated by comm Yes If answer is " this form if new forced-pooling.	ne lease of unitization, No If no.' list the cessary.)	different ov unitization answer is " owners an uned to the v	vnership is d , force-poolin 'yes,'' type of d tract descr vell until all	ed cated EEBe g. etc? O. conversionalion of the iptions which the interests have	LOIIJOB7 C. D. A. OFFICE nave actual been cons	the interests	s of all owners been consol olidated. I se reverse side communitization, unitizatio peen approved by the Commi
ARCO 011 and Gas Co. The 2-5-87 I hereby certify that the well locate shown on this plat was platted from fin notes of actual surveys made by me under my supervision, and that the sa is true and correct to the best of knowledge and belief. Date Surveyed JANUARY 15,1986 Peqiatured Protessional Engineer and of Lond Surveyor Marking Surveyor Marking Surveyor	 :980'				 		taine best	ed herein is true and complete to t
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To supplement USGS Form 3160-3 " Application for Permit to Drill, Deepen or Plugback", the following additional information is submitted to comply with USGS Order NTL-6. Operator: ARCO Oil and Gas Company 5 Lease & Well No: Baish Federal #3 Location: Unit Letter C Section 9, T-18-S, R-31-E Eddy County, New Mexico Lease, New Mexico LC - 029389-a Development well _X Exploratory well ____ 1. See Well Location and Acreage Dedication Plat Form C-102. 2. See Form 3160-3 for elevation above sea level of unprepared location. 3. The geologic name of the surface formation is: Querecho Plains Aeolian material with loose sandy loams and commonly harbor calcareous gravels. 4. The type of drilling tools and associated equipment to be utilized will be: Rotary 5. The proposed drilling depth will be _ 8900' 6. The estimated tops of important geologic markers are: 3170' 690**'** Queen TOS San Andres 4200' 2000' BOS Bone Springs 5500' 2100' Yates 7. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are:

Bone Springs Sand 7900' Gil

- 8. The proposed casing program including the size, grade and weight-per-foot of each string has been indicated on Form 3160-3. All strings of casing will be: New _____ Used _____.
- 9. See Form 3160-3 for amount of cement.



