COPY TO O. C. QUBMIT IN T. CICATE*

Form approved. Budget Bireau No. 42-R1425.

UNITED STATES

(Other instru ns on reverse side)

	DEPARTMENT	OF THE I	VIERIOR			5. LEASE DI	ESIGNATION	AND SERI	AL NO.
	GEOLO	GICAL SURVE	ΕΥ			NM 08			
APPLICATION	I FOR PERMIT 1	O DRILL, [DEEPEN, OR	PLUG BA	CK_	6. IF INDIA	N, ALLOTTEE	OR TRIBE) NAME
	LL 🗌 Re-enter	DEEPEN [<u>X</u> P	LUG BACK		7. UNIT AG	REEMENT N	ME	
b. TYPE OF WELL OIL GA	PIT I OTHER	SWDW	SINGLE ZONE	MULTIPLE ZONE		S. FARM OF	R LEASE NAM	i E	
2. NAME OF OPERATOR	ARCO Oil and Ga	is Campany				Fletche	er A DE	Fede	ral
	Division of Atlantic Rich	field Company		· · · · · · · · · · · · · · · · · · ·	12	9. WELL N	0.		
3. ADDRESS OF OPERATOR				37 m	<i>\\)</i>		4		
Box 1710, Hot	bs, New Mexico	88240		Vi j		10. FIELD A	AND POOL, O	R WILDC	AT
4. LOCATION OF WELL (Re	port location clearly and	in accordance wit	h any State requires	mię́pats.♥)	0	Lynch	Yates	7R Qn	
At surface 1980' I	FSL & 1980' FEL	(Unit lett	er J)	D	" CURN	M. SEC., T. AND SU	., R., M., OR E JRVET OR AR	LK.	
At proposed prod. zon	as above			WED SK	ALMEXIC	27–20s	S-34E	155 931	
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAR	REST TOWN OR POS	r OFFICE*	CEOL ME	A	12. COUNTY	OR PARISH	13. st	TE
Approx 27 mil	les west Hobbs,	N.M.		5. abs.		Lea		N.M	
10. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig	SED* INE, FT.		240	m 40 8e	17. NO. OF TO THE	ACRES ASS S WELL	40		·
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED 4000				H	9. WELL NO. 4 10. FIELD AND POOL, OR WILDCAT Lynch Yates 7R Qn M. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 27-20S-34E 12. COUNTY OR PARISH 13. STATE Lea N.M. 17. NO. OF ACRES ASSIGNED TO THIS WELL 40 20. ROTARY OR CABLE TOOLS W.O. Rig				
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)				- '	22. APPR	OX. DATE WO	RK WILL	START*
3696.6' GR							4/15/8	0 .	
23.	I	PROPOSED CASI	NG AND CEMENTI	NG PROGRAM			∯ ; f		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	OOT SETTIN	G DEPTH	<u> : : : : : : : : : : : : : : : : : : :</u>	QUANTI	TY OF CEMEN	(T	
16"	13-3/8" OD	48# H−40		65'	50_	sx			- ' ' '
12" to 706'					· · · · · · · · · · · · · · · · · · ·			 	
10" to 1230'					: '*				
8" to 3644'	5½'' OD	115.5# J-55	i 1 36	43'	1825	sx in	3 stage	s ·	-
5" to 3681' TD						• .			
Above csg left Propose to re- Yates 7R Qn for 1. Rig up, rem 2. Drill out c	enter & convert	a previous following marker, dig o	sly P&A well nanner: out cellar,	install W	тн & во	Ρ.			

- original TD. Press test csg, squeeze cmt csg if necessary.
- 3. Deepen to 4000'. Run logs.
- 4. RIH w/pkr, set @ approx 3500' & acidize w/4500 gals 15% NEA acid.
- 5. POH w/pkr & tbg. RIH w/pkr on internally PC tbg, circ corrosion inhibited wtr, set pkr. Install press gauge in tbg/csg annulus. Run SWD injectivity test and complete as a SWDW in the Lynch Pool.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone 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.

SIGNED HOS Lee	TITLE Dist. Drlg. Supt	ратв 3/25/80
(This space for Federal or State office use)		
PERMIT NO. APPROVED -: APPROVED BY	APPROVAL DATE	DATE
CONTITIONS ON AUR 2 8 1980		
DISTRICT SUPERVISOR	*See Instructions On Reverse Side	

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION OF THE PROPERTY OF

		All distances mu	ist be from the out	ter hounderies cf	the Section.		Well No.
Operator ARCC	Oil and Ga	Company	Lease				4
Pivis	ion of Atlantic Richfi			etcher A DI	County		
Unit Letter	Section	Township	Rane	34E	Lea		
J	27	208	L	745	1 200		
Actual Footage Loc		0 +1-	ne and 1980) (c)	of from the	East	1!00
1980	feet from the Fire fulfility		Peol			Ded	Icated Acreage:
Ground Level Elev.		s 7Rivers	Lyne	ch			40 47008
3696.6'	Tate	icated to the subje	act well by co	lored pencil	or hachure m	arks on the pl	at below.
2. If more t	han one lease and royalty).	is dedicated to th	e well, outlin	e each and id	entify the ow	vnership there	of (both as to working
3. If more the dated by	communitizatio	n, unitization, force	e-pooting. etc:				owners been consoli-
☐ Yes		I answer is "yes,"					
this form No allowa forced-po	if necessary.)_	• 1 • • • • • • • • • • • • • • • • • •	atil all interes	ts have been	consolidate	d (by commun	(Use reverse side of itization, unitization, preved by the Commis-
sion.							ERTIFICATION
	ŀ			1		(,)	EKIMICKION
	1					tained herein	fy that the information con- is true and complete to the ow edge and belief.
	i +			i -i		Name	
	 						g Supt. In A Cas Consulary Into Walmold Consulary
	1			1		3/25/80	
	 		O<	1980		shown on this notes of acti under my sup	rtify that the well location is plat was platted from field ual surveys made by me or pervision, and that the same correct to the best of my add belief.
	+ 					Date Surveyed	
	 		1980	1		Projectors Fred and/or Land Cu	to, storal taspineer arveyer
312 67	65 1320 103	1 10HU 2012 2643	2000 15	10 N.CC	*(0 0	vertiff ite W.	

To supplement USGS Form 9-331C "Application for Permit to Drill, Deepen or Plugback", the following additional information is submitted to comply with USGS Order NTL-6.

ARCO Oil & Gas Company - Division of Atlantic Richfield Company

Operator:

Lease & Hell No: Location:

4 Fletcher A DE Federal Unit Letter J

Section 27-20S-34E, Lea

County, N.M.

Lease, New Mexico 0897

Davelopment well

Exploratory Well

Re-enter P&A well - Convert to SWDW

- See Well Location and Acreage Dedication Plat Form C-102. 1.
- See Form 9-331C for elevation above sea level of unprepared location. 2.
- The geologic name of the surface formation is: Unknown 3.
- The type of drilling tools and associated equipment to be utilized Workover rig with reverse circ equipment. will be:
- The proposed deepening depth will be 4000'. 5.
- The estimated tops of important geologic markers are:

1568' Anhydrite 35321 Yates

17751 Top Salt 36571 Seven Rivers

33551 Base Salt

The estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are:

895 - 920' Water

3544 - 3564* 0il

3580 - 3586' 011

3610 - 3620° 0i1

3657 - 3674' 0i1

- The proposed casing program including the size, grade and weight-per-8. foot of each string has been indicated on Form 9-331C. All strings of casing will be New Used X and are intact in hole.
- 9. See Form 9-331C for amount of cmt.

This is a re-entry into old P&A well and casing was left intact when plugged. No cmtg will be required with the exception of a possible cement squeeze job and amount and kind of cmt to be used will be determined from logs.

10. The pressure control diagram is attached to Form 9-331C. The following additional information of the pressure control equipment is as follows: $5\frac{1}{2}$ " OD Csg: Size: 10"-Series 900 Dbl Ram & Hyd.

Pressure Ratings: 3000# WP, 6000# T

Westing Procedure: Pressure up to 1500# before drilling out of casing.

Testing Frequency: Upon installation, daily and on all trips the kill lines

to be flushed.

11. The type and characteristics of the proposed circulating medium or mediums to be employed for reversedrilling and the quantities and types of mud and weighting material to be maintained will be as follows:

Drilling fluids to be used will be 10# salt gel mud necessary to reenter old well, drill cement plugs and deepen from 3681-4000' (319').

12. The testing, logging and coring programs will be:

Drill Stem Test

Logs

Coring

None

None

Density Neutron Gamma Ray CBL/CCL

13. There are no abnormal pressures or temperatures expected to be encountered.

14. The anticipated starting date will be 4/15/80 and completed approx 5/1/80.

15. The auxiliary equipment to be used will consist of: Kelly cocks & a sub on floor w/full opening valve to be used when needed. Mud logging will not be necessary for re-entry.

District Drilling Supt.