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NEW MEXICO OIL CONSERVATION COMMISSION

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MAY 7 1979

30-015-22919

Form C-101
Revised 1-4-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. 647-364	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name Empire Abo Pressure Maintenance Project	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Empire Abo Unit "F"	
2. Name of Operator ARCO Oil & Gas Company Division of Atlantic Richfield Company		9. Well No. 336	
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat Empire Abo	
4. Location of Well UNIT LETTER <u>E</u> LOCATED <u>2000</u> FEET FROM THE <u>North</u> LINE AND <u>1000</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>34</u> TWP. <u>17</u> RGE. <u>28E</u> NMPM		12. County Eddy	
19. Proposed Depth 6350'		19A. Formation Abo Reef	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3668.1' GR	
21A. Kind & Status Plug. Bond GCA #8		21B. Drilling Contractor Hondo Drilling Company	
22. Approx. Date Work will start 5-7-79			

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11"	8-5/8" OD	24# K-55	750'	600	Circ to surf
7-7/8"	5-1/2" OD	15.5# K-55	6350'	1475	Circ to surf

Propose to drill a development well in the Empire Abo Pressure Maintenance Project to more economically recover remaining reserves. Approval to drill above location approved by Order # NSL 999. Blowout Preventer Program attached.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED.
EXPIRES 8-7-79

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed [Signature] Title Dist. Drlg. Supt. Date 5-7-79

Verbal (This space for State Use)
5-7-79
APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE MAY 11 1979

CONDITIONS OF APPROVAL, IF ANY:

NE EXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-12H
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator ARCO Oil & Gas Co.		Lease Empire Abo Unit "F"		Acres 336
Section E	Range 34	Township 17 South	Range 28 East	County Eddy
Abo Reef Unit Dedication of Well				
2000 feet from the North		1000 feet from the West		
Section 3668.1	Abo Reef		Empire Abo	Estimated Acreage 40

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Unitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

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MAY 11 1979
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

[Signature]

Dist. Drlg. Supt.

ARCO Oil & Gas Company

5-7-79

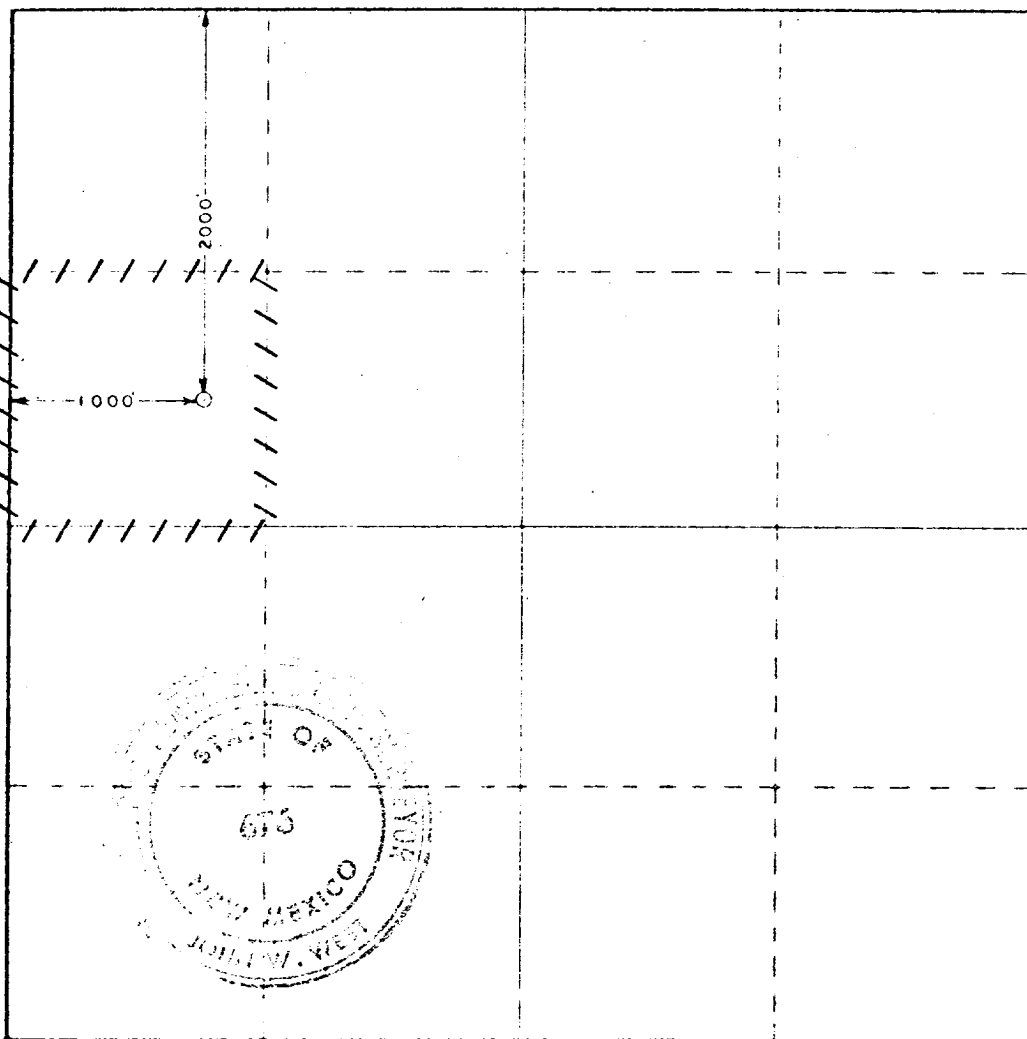
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
April 20, 1979

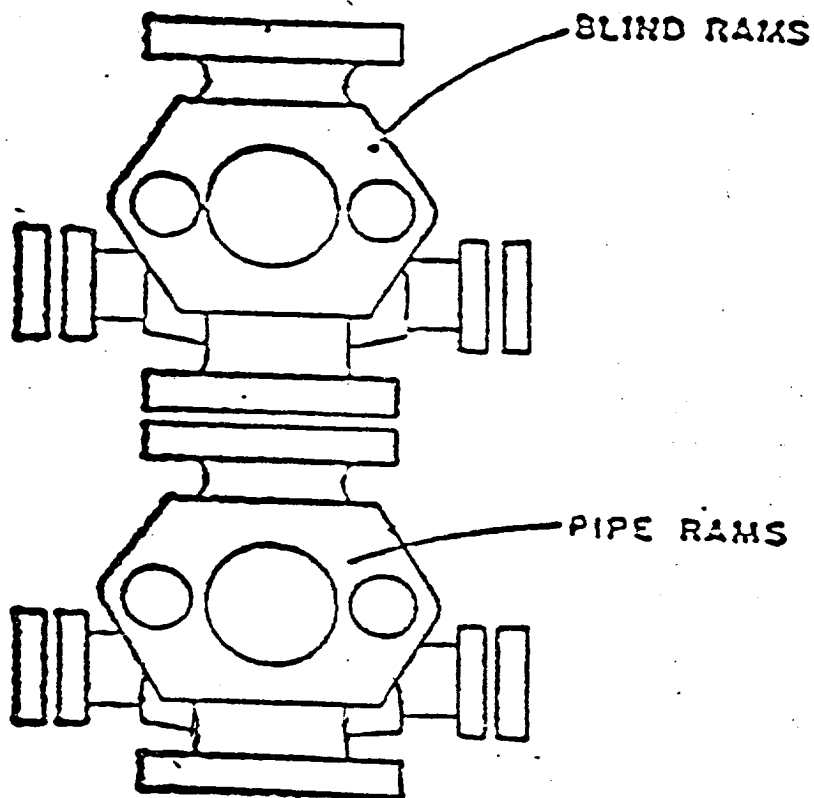
Registered Professional Engineer
and Land Surveyor

[Signature]

Certificate No. **John W. West 676**
Ronald J. Eidsen 3230



330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900



ATLANTIC RICHFIELD COMPANY
Blow Out Preventer Program

Lease Name Empire Abo Unit "F"

Well No. 336

Location 2000 FNL & 1000 FWL, Section 34,
T-18-S, R-28-E

BOP to be tested before installed on well and will be maintained in good working condition during drilling. All wellhead fittings to be of sufficient pressure to operate in a safe manner.