

Submit to Appropriate District Office
 State Lease - 6 copies
 Fee Lease - 5 copies

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-101
 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)
30-025-31581

5. Indicate Type of Lease
 STATE FEE

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL RE-ENTER DEEPEN PLUG BACK

b. Type of Well:

OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

7. Lease Name or Unit Agreement Name

McNeill

2. Name of Operator

ARCO OIL AND GAS COMPANY

8. Well No.

1

3. Address of Operator

Box 1610, Midland, Texas 79702

9. Pool name or Wildcat

wildcat
 Nadine West Abo

4. Well Location

Unit Letter K : 1980 Feet From The South Line and 1980 Feet From The West Line
 Section 33 Township 19S Range 38E NMPM Lea County

10. Proposed Depth

7200

11. Formation

ABO

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

3588 GR

14. Kind & Status Plug. Bond

State Wide Blanket

15. Drilling Contractor

Not assigned

16. Approx. Date Work will start

4-25-92

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24	500	260	Surf
7 7/8	5 1/2	15.5	7200	600	1500
			DVT at 5000		

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.

SIGNATURE Ken W. Gosnell TITLE Engr. Tech. DATE 4-13-92

TYPE OR PRINT NAME Ken W. Gosnell TELEPHONE NO. 915/688-5672

(This space for State Use)

Orig. Signed by
Paul Kautz
 Geologist

APR 16 '92

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

Submit to Appropriate District Office
 State Lease - 4 copies
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State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 Revised 1-1-89

OIL CONSERVATION DIVISION
 P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

DISTRICT I
 P.O. Box 1960, Hobbs, NM 88240

DISTRICT II
 P.O. Drawer 80, Artesia, NM 88210

DISTRICT III
 100 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

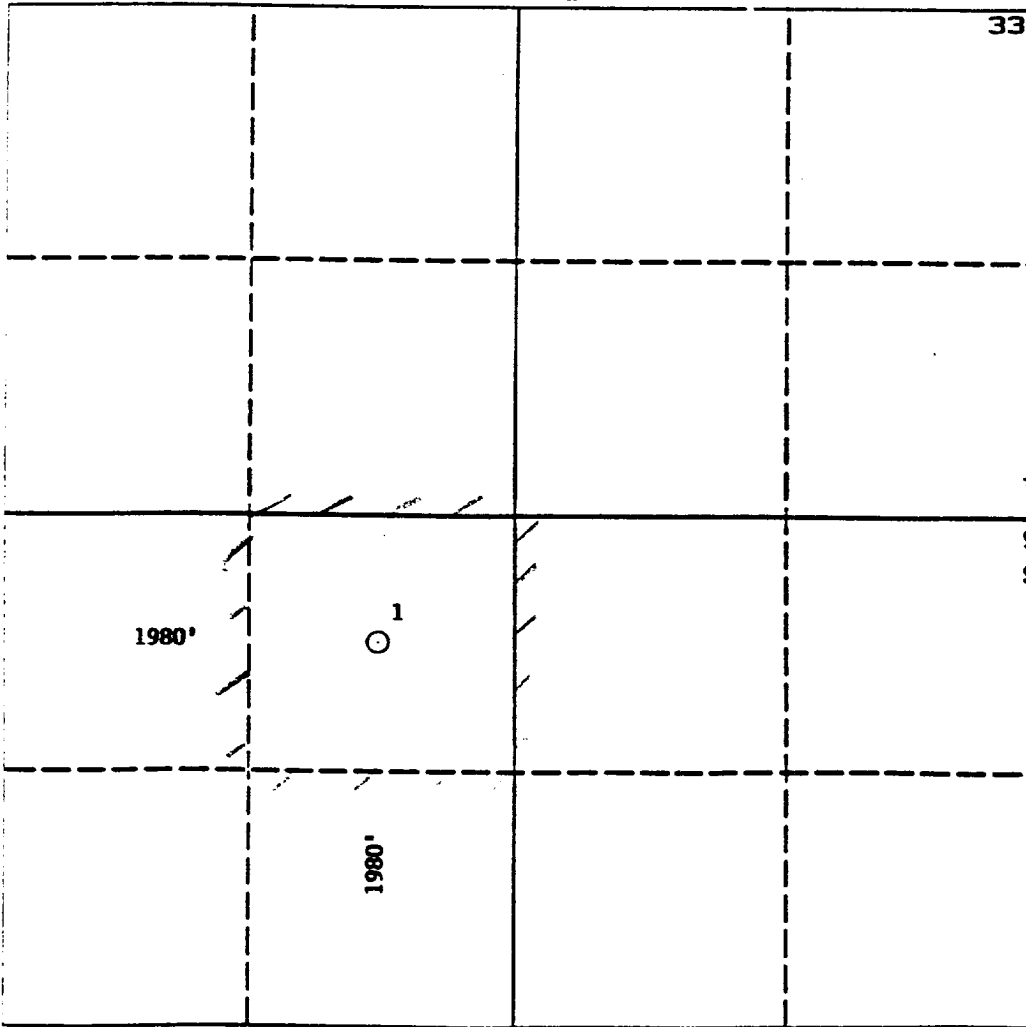
Operator ARCO OIL AND GAS COMPANY		Lease Mc Neill		Well No. 1	
Unit Letter K	Section 33	Township 19S	Range 38E	County NMPM Lea	
Actual Footage Location of Well:					
1980 feet from the West line and		1980 feet from the South line			
Ground level Elev. 3588'	Producing Formation Abo	Pool Nadine West	Dedicated Acreage: 40 Acres		
<i>wildcat</i>					

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unization, force-pooling, etc.?
 Yes No If answer is "yes" type of consolidation _____

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, unization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

H 38 E



OPERATOR CERTIFICATION

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

Signature
Ken W. Gosnell

Printed Name
Ken W. Gosnell

Position
Regulatory Coordinator

Company
ARCO Oil & Gas Company

Date
4-13-92

SURVEYOR CERTIFICATION

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.

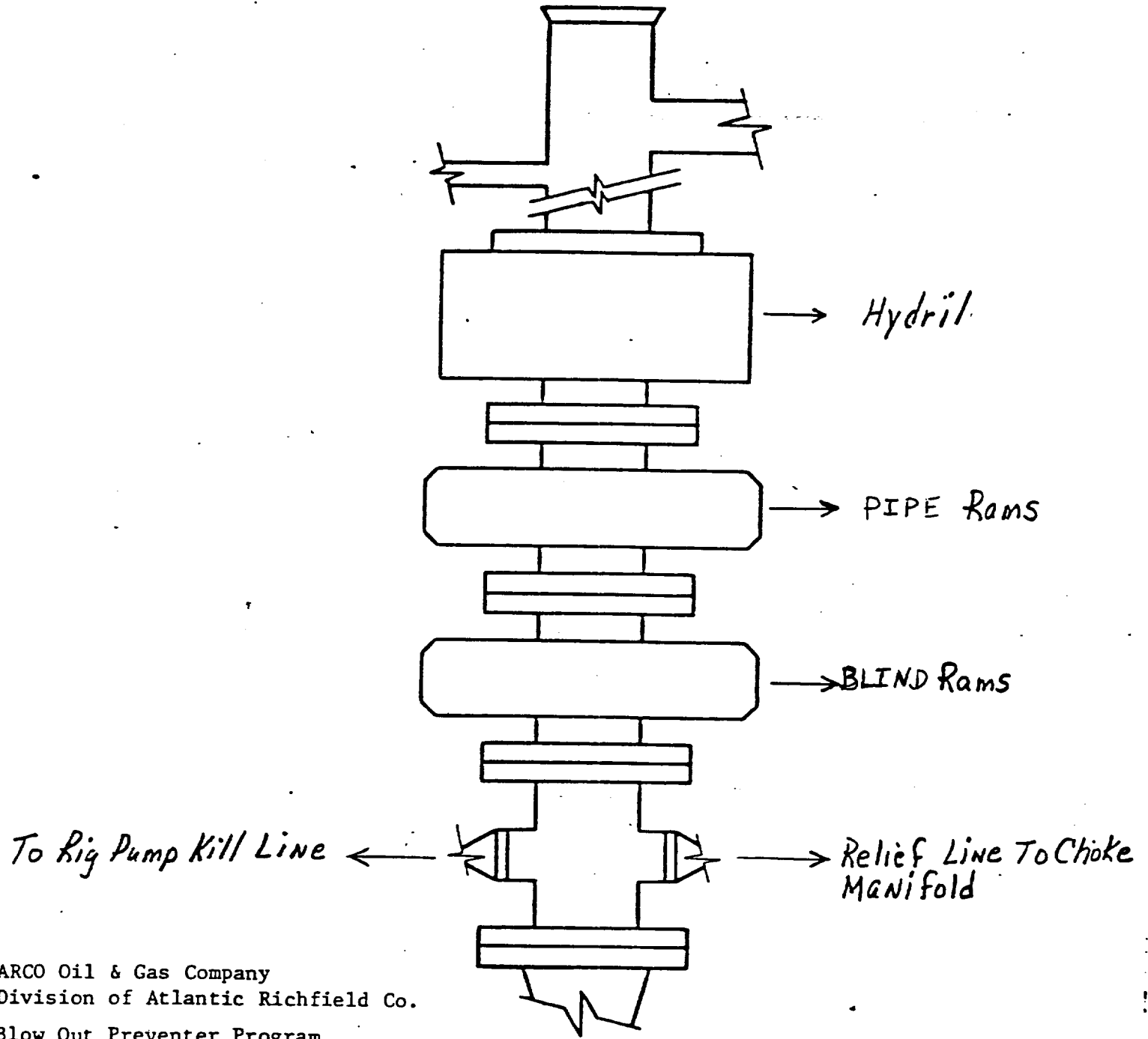
March 31, 1992

Date Surveyed

Signature & Seal of Professional Surveyor

Sam E. Saunders

Certificate No.
648



ARCO Oil & Gas Company
 Division of Atlantic Richfield Co.
 Blow Out Preventer Program

Lease Name: McNiell

Well No: 1

Location: Unit Letter K
sec. 33 - 19S - 38E

BOP to be tested when 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.

Rec'd 8/27/92

ELF

RECEIVED

Aug 27 1992

U.S. DEPARTMENT OF JUSTICE