

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI  
(Other instructions on  
reverse side)

FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>LC-065478-A</b>	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>ARCO Permian</b>		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. <b>P.O. Box 1610, Midland, TX 79702</b>		8. FARM OR LEASE NAME, WELL NO. <b>WEST RED LAKE "4" 3</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface <b>990' FNL, 2310' FWL</b>		9. API WELL NO. <b>30-015-30134</b>	
At proposed prod. zone <b>SAME</b>		10. FIELD AND POOL, OR WILDCAT <b>RED LAKE (Q-GB-SA)</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>10 MILES SE FROM ARTESIA, NM</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>4.T18S. 27E</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>990'</b>		12. COUNTY OR PARISH <b>EDDY</b>	
16. NO. OF ACRES IN LEASE <b>80</b>		13. STATE <b>NM</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>3800'</b>		17. NO. OF ACRES ASSIGNED TO THIS WELL	
20. ROTARY OR CABLE TOOLS <b>ROTARY</b>		21. APPROX. DATE WORK WILL START* <b>2/98</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>3575' GR</b>			

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11	8-5/8	24	1100'	700 FT <sup>3</sup>
7-7/8	5-1/2	15.5	3800'	1300 FT <sup>3</sup>

SUBJECT WELL IS PLANNED AS A 3800' STRAIGHT HOLE.  
3,000 PSI BOPE WILL BE USED FROM 1100' TO TD.

ATTACHMENTS ARE AS FOLLOWS:  
1. CERTIFIED LOCATION PLAT.  
2. DRILLING PLAN WITH ATTACHMENTS.  
3. SURFACE USE PLAN WITH ATTACHMENTS.

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

24. SIGNED Elizbeth H. Asher TITLE REGULATORY COMPLIANCE DATE 2-3-98  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY (ORIG. SCD.) ARMANDO A. LOPEZ TITLE Acting ADM. MINERALS DATE 3-3-98  
\*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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV  
P.O. Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name <b>RED LAKE (Q-GB-SA)</b>
Property Code	Property Name <b>WEST RED LAKE "4" FEDERAL</b>	Well Number <b>3</b>
OGRD No.	Operator Name <b>ARCO PERMIAN</b>	Elevation <b>3540</b>

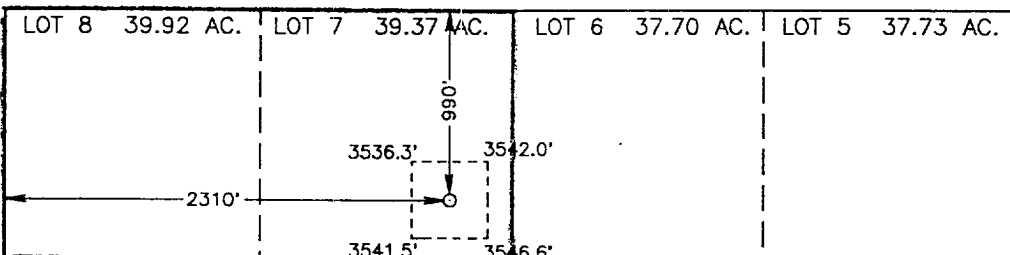
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>7</b>	<b>4</b>	<b>18 S</b>	<b>27 E</b>		<b>990</b>	<b>NORTH</b>	<b>2310</b>	<b>WEST</b>	<b>EDDY</b>

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 8 39.92 AC.	LOT 7 39.37 AC.	LOT 6 37.70 AC.	LOT 5 37.73 AC.
		NAD27 SPC NME X=515129=E Y=647705=N	
LOT 9 38.93 AC.	LOT 10 38.43 AC.	LOT 11 37.23 AC.	LOT 12 37.28 AC.
LOT 16 38.85 AC.	LOT 15 38.64 AC.	LOT 14 37.82 AC.	LOT 13 37.61 AC.
LOT 17 38.64 AC.	LOT 18 38.43 AC.	LOT 19 38.01 AC.	LOT 20 37.80 AC.

**OPERATOR CERTIFICATION**

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

*Elizabeth A. Casebeer*  
Signature  
**ELIZABETH A. CASEBEER**  
Printed Name  
**REG. / COMP. ANALYST**  
Title  
**2/3/98**  
Date

**SURVEYOR CERTIFICATION**

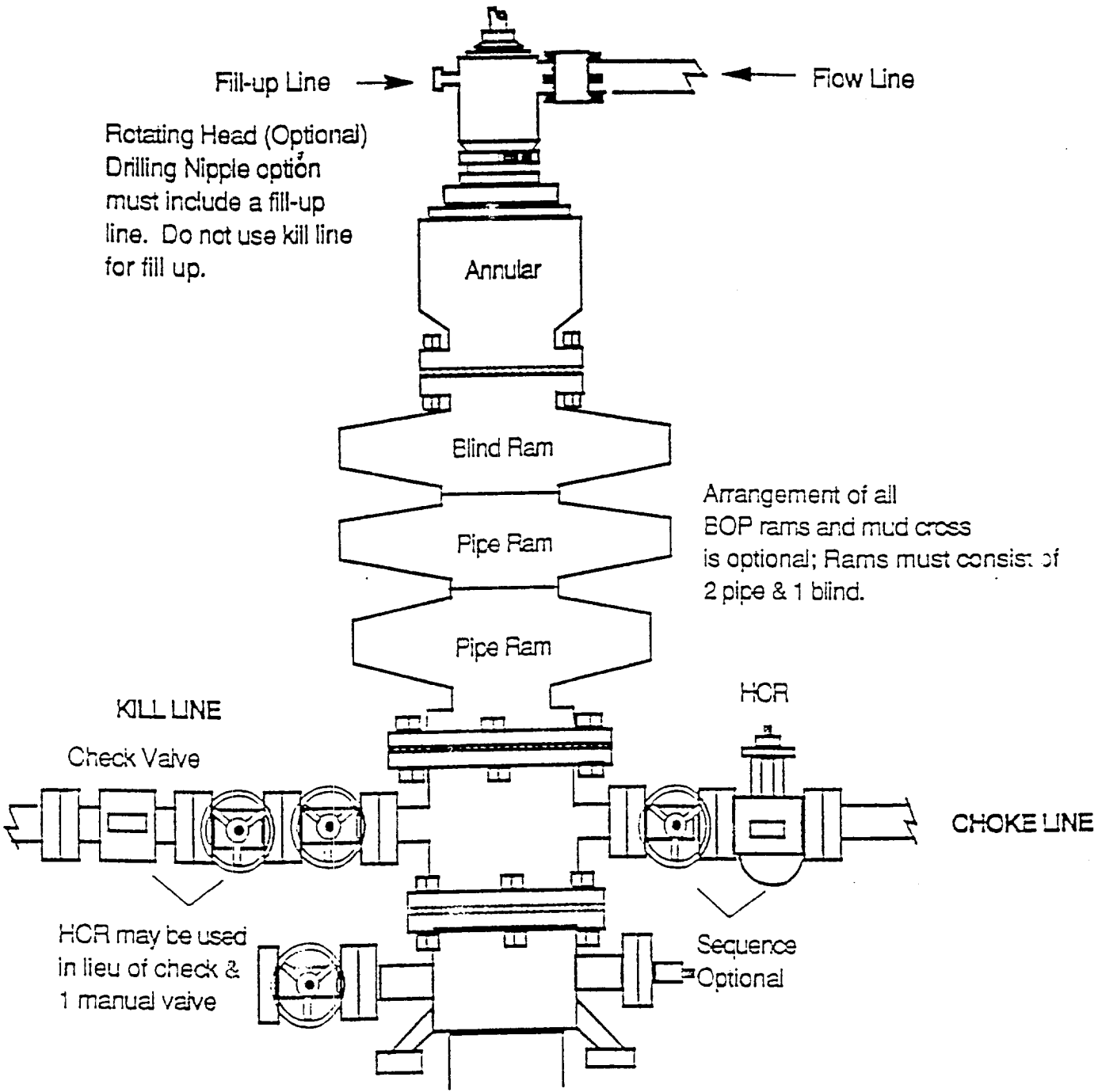
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

**OCTOBER 30, 1997**

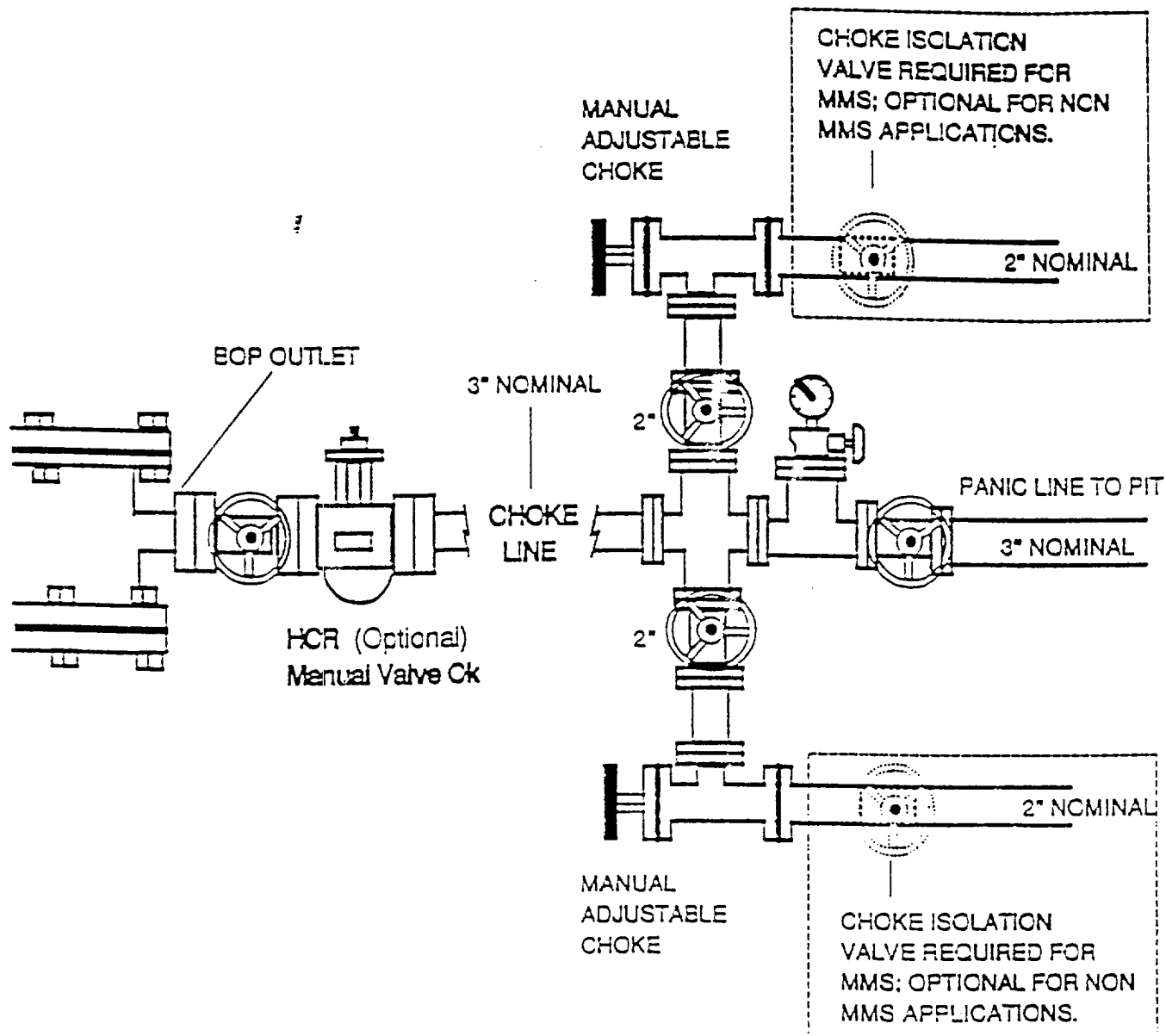
Date Surveyed  
Signature & Seal of Professional Surveyor  
*Ronald J. Edson*  
W.O. Num. 97-11-1761  
Certificate No. **JOHN W. WEST, 676**  
**RONALD J. EDSON, 3239**  
**GARY G. EIDSON, 12641**

EXHIBIT 1

DRILLING OPERATIONS  
CLASS -1: NORMAL PRESSURE < 10PPG  
OPTION - 2: MMS STANDARD; SINGLE SIZE DRILL STRING



DRILLING OPERATING  
CHOKE MANIFOLD  
2M AND 3M SERVICE



### **BLOWOUT PREVENTION EQUIPMENT SPECIFICATIONS**

1. All BOP equipment shall be fluid and/or mechanically operated.
2. BOP's and all fittings will be in good working condition.
3. Equipment through which the bit must pass shall be at least as large as the casing size being drilled.
4. The nipple above the BOP shall be at least the same size as the last casing set.
5. The upper kelly cock with handle and lower kelly cock shall be rated at the BOP working pressure.
6. A floor safety valve (full opening) or drill string BOP with appropriate pressure ratings shall be available on the rig floor with connections or subs to fit any tool joint in the string.
7. The minimum size choke line shall be 3 inches nominal diameter, with a minimum size for vent lines downstream of chokes of 2 inches nominal, and vent lines which by-pass shall be a minimum of 3 inches nominal and as straight as possible.
8. All valves, fittings and lines between the closing unit and the blowout preventer stack should be of steel construction with rated working pressure at least equal to working pressure rating of the stack. Lines shall be bundled and protected from damage.
9. Minimum size for kill line is 2 inches nominal.
10. Ram type preventers shall be equipped with extension hand wheels or hydraulic locks.