| (July 1992)  | UNIT   | (Other Inst<br>reverse                           | ructions on<br>e side)           | FORM APPROVED<br>OMB NO. 1004-0136<br>Expires: February 28, 1995 |   |                             |  |
|--|--|--|----------------------------------|--|---|-----------------------------|--|
|  |  | RTMENT OF THE INTERIOR  IREAU OF LAND MANAGEMENT |                                  |  | 5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-2199                              |                             |  |
| APPLI  | CATION FOR PE  | RMIT TO DI                                       | RILL OR DEEPEN                   | 6  | . IF INDIAN, ALLOTTER C   | Navajo                      |  |
| b. TYPE OF WELL  | LL 🗹   | DEEPEN [   |                                  |  | UNIT AGREEMENT NAME   |                             |  |
| OIL GA<br>WELL WI<br>2. NAME OF OPERATOR   | S OTHER  |  | SINGLE MUL' ZONE ZONE            | 8 E  | NV Navajo   | °22 #3                      |  |
| Richardson O   | perating Co.   |  | (303) 830-8                      |  | 30-045-310  | \\\\                        |  |
| 1700 Lincoln   | St., Suite 17  | 00, Denve  | r, Co. 80203                     | 10   | Fruit Coal & V  | WILDCAT                     |  |
| 4. LOCATION OF WELL (Re<br>At surface  | 1455' FSL  | in accordance with                               | any State requirements.*)        |  | 1. SBC., T., B., M., OR BL<br>AND SURVEY OR ARE                                 | ж.                          |  |
| At proposed prod. zone   | Same   |  |                                  | 1  | -22-29n-14w   | v NMPM                      |  |
|  | ND DIRECTION FROM NEAR                                 |  | OFFICE*                          | 12   | San Juan  | 13. STATEM                  |  |
| 5 air miles St.  15. DISTANCE FROM PROPOLOCATION TO NEAREST PROPERTY OR LEASE L. |  |  | 6. NO. OF ACRES IN LEASE         |  | ACRES ASSIGNED  | 5W/4PC                      |  |
| (Also to nearest drig<br>18. DISTANCE FROM PROPO<br>TO NEAREST WELL, DR          | unit line, if any) OSED LOCATION® RILLING, COMPLETED,  | 1,455'   | 1.632<br>9. PROPOSED DEPTH       | 20. ROTARY   | WILF 320  | <u>&amp;</u> 160 '          |  |
| OR APPLIED FOR, ON THE   |  | 771'   | 1,360'                           | 1  | 22. APPROX. DATE WORK   | Rotary                      |  |
|  | 5,   | 625' ungr  | aded                             |  | Upon Ap   | proval                      |  |
| 23.  | 1  | PROPOSED CASING                                  | AND CEMENTING PROGE              | RAM  |   |                             |  |
| SIZE OF HOLE   | GRADE, SIZE OF CASING                                  | WEIGHT PER FOO                                   | T SETTING DEPTH                  |  | QUANTITY OF CEMENT  |                             |  |
| 8-3/4"   | K-55 7"  | 20   | 120'                             |  | ≈36 cu. ft. & to surface  |                             |  |
| his action is subject to rocedural review pursuant to well name &                | rant to 43 CFR 3166.3<br>43 CFR 3165.4.<br>number have | changed f  | "GEN<br>rom Notice of            | ERAL REQUI   | ~~245 cu. ft. & t<br>©ONS AUTHORIZE<br>PLIANCE WITH A<br>REMENTS''<br>(NaVajo 2 | D ARE<br>TTACHED<br>22 #3") |  |
| etc. to corres   | spond with Ri  | chardson's                                       | new nomencl                      | ature ("N  | IV Navajo 2   | .'2 #3")                    |  |
|  |  |  |                                  |  |   |                             |  |
|  |  |  |                                  |  |   |                             |  |
| IN ABOVE SPACE DESCRIBE  | E PROPOSED∳ROGRAM- ##                                  | proposal is to deepen air                        | CC: BIA, BLM, NAP                |  |   |                             |  |
| deepen directionally, give pentir  | ent data on subsurface location                        | s and measured and true                          | vertical depths. Give blowout pr | eventer program, if a  | ny.   | positi is to utili of       |  |
| SIGNED C   | - Edel   | TITI.E   | Consultant (505                  | ) 466-8120   | ) 3   | -18-02                      |  |
| (This space for Feder  | al or State office use)                                | ======================================           |                                  |  |   |                             |  |

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: SEF -5

/s/ Charlie Beecham

\_\_ DATE \_

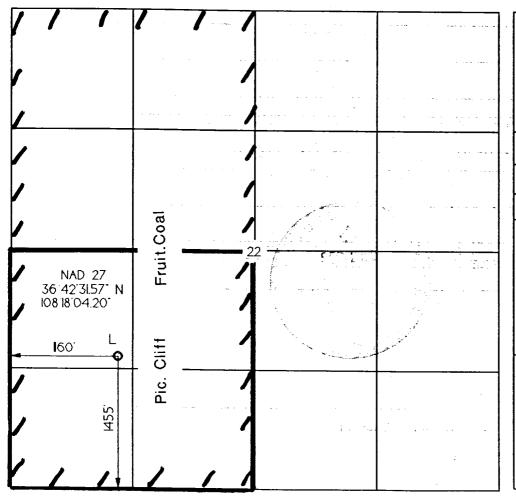
## State of New Mexico Energy. Minerals & Mining Resources Department OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

MENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT APA Number Pool Code Pool Name -045-31046 BASIN FRUIT. COAL & WEST KUTZ PC 71629 & 79680 Property Name Well Number 0504 NV NAVAJO 22 3 OCRID No. Operator Name **Bevation** 019219 RICHARDSON OPERATING COMPANY 5625

Surface Location UL or Lot Sec. Tър, Rge. Lat lan. Feet from> North/South | Feet from> East/West County L 22 29 N. 14 W. 1455 SOUTH 160 WEST SAN JUAN Bottom Hole Location If Different From Surface UL or Lot Tup. Rgs. Feet from> North/South | Feet from> County East/West Dedication Joint ? Comolidation Order No.

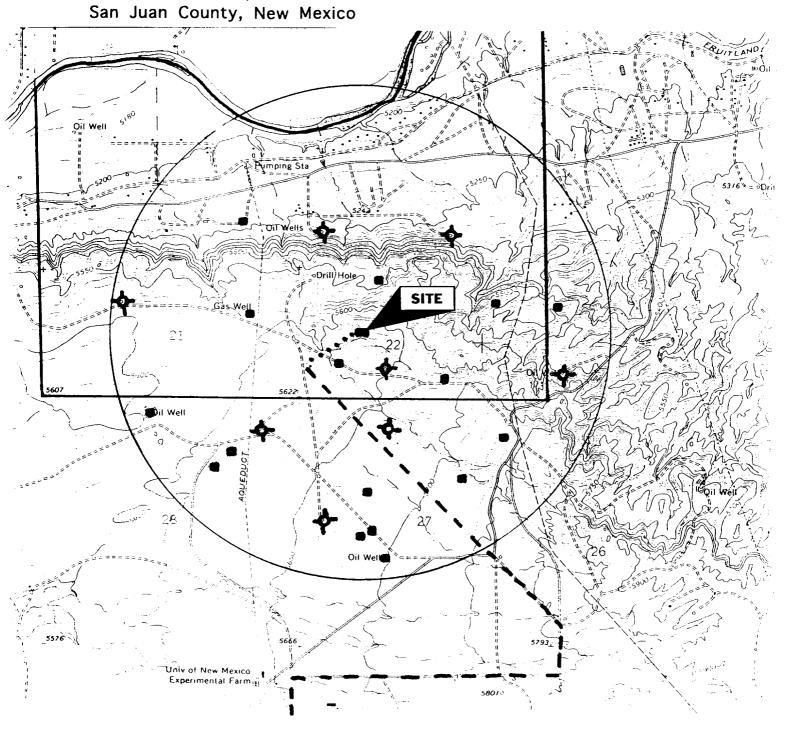
NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



## OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belef. Signature Printed Name **BRIAN WOOD** Title CONSULTANT MAR. 18, 2002 SURVEYOR CERTIFICATION I hereby certify that the well location on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the some is true and correct to the best of my belief. Date of Survey Signatur,

ERED LAHO

Richardson Operating Co. NV Navajo 22 #3 1455' FSL & 1160' FWL Sec. 22, T. 29 N., R. 14 W. PAGE 11



PROPOSED WELL: 

EXISTING WELL:

NEW ROAD & PIPELINE: •••

EXISTING ROAD: ••

P & A WELL:

LEASE:



Richardson Operating Co. NV Navajo 22 #3 1455' FSL & 1160' FWL Sec. 22, T. 29 N., R. 14 W. San Juan County, New Mexico

Blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi. Maximum expected pressure is  $\approx 350$  psi.

## 4. CASING & CEMENT

| <u>Hole Size</u> | <u>Q. D.</u> | Weight (lb/ft) | <u>Grade</u> | <u>Age</u> | <b>GL Setting Depth</b> |
|------------------|--------------|----------------|--------------|------------|-------------------------|
| 8-3/4"           | 7"           | 20             | K-55         | New        | 120'                    |
| 6-1/4"           | 4-1/2"       | 10.5           | K-55         | New        | 1,360'                  |

Surface casing will be cemented to surface with  $\approx 36$  cubic feet ( $\approx 30$  sacks) Class B + 2% CaCl<sub>2</sub>. Volume is based on 100% excess, yield of 1.18 cubic feet per sack, and a slurry weight of 15.6 pounds per gallon. WOC = 12 hours. Pressure test surface casing to 600 psi for 30 minutes.

Production casing hole will first be cleaned of rock chips by circulating at least 150% of hole volume with mud to the surface. Thirty barrels of fresh water will next be circulated. Lead with  $\approx 155$  cubic feet ( $\approx 75$  sacks) Class B with 2% metasilicate (yield = 2.06 cubic feet per sack, slurry weight = 12.5 pounds per gallon). Tail with  $\approx 90$  cubic feet ( $\approx 76$  sacks) of Class B with 2% CaCl<sub>2</sub> (yield = 1.18 cubic feet per sack, slurry weight = 15.6 pounds per gallon). Total cement volume is  $\approx 245$  cubic feet based on 75% excess and circulating to surface.

Production casing will have 4-1/2" cement guide shoe and self fill float collar. Float will be placed one joint above the shoe. Five centralizers will be spaced on every other joint starting above the shoe. Five turbolizers will be placed on every other joint starting from the top of the well.

