IN

SUBMIT IN TRIPLICATE.

FORM APPROVED

(July 1992)		UNITED STATES			OMB NO. 1004-0136 Expires: February 28, 1995
	DEPARTMENT BUREAU OF		11 1 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-2168
	LICATION FOR PE	RMIT TO	DRILL OR DEEPEN	ী	6. IF INDIAN, ALLOTTEE OF TRIBE NAME NAME
b. TYPE OF WELL	ORILL 🗹	DEEPEN [		162773	7. UNIT AGREEMENT NAME N/A
WELL	WELL OTHER		SINGLE MULTIP		8. FARM OR LEAS: NAME WELL 127 #3
3. ADDRESS AND TELEPHONE			(303) 830-800	00	9. API WELL NO. 30-045-30520
1700 Lincol 4. LOCATION OF WELL At SHITAGE	n St., Suite 170 Report location clearly and 1278' FSL 8	n accordance wit	th any State requirements.*)	·	10. FW. KUCZ PCILDERT.  11. SEC., T., E., M., OR BLK.
	At proposed prod. zone Same				
6 air miles	ES AND DIRECTION FROM NEARI	ST TOWN OR POS	T OFFICE*		San Juan 13. BTATE
	REST SE LINE, FT. drlg. unit line, if any)	1211'	16. NO. OF ACRES IN LEASE  1,440	то т	OF ACEES ASSIGNED HIS WELL SF 4160
OR APPLIED FOR, ON	L, DRILLING, COMPLETED. THIS LEASE, FT.	150'	19. PROPOSED DEPTH 1,360'	20. ROTA	RY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show	whether DF, RT, GR, etc.)	770' ung	raded		July 1, 2001
23.	Į	PROPOSED CASI	NG AND CEMENTING PROGRAM	м	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F			QUANTITY OF CEMENT
8-3/4"	K-55 7"	20	120'		≈36 cu. ft. & to surface
6-1/4"	K-55 4-1/2"	10.5	1,360'		≈244 cu. ft. & to surface
			s   D	RILLING D UBJECT RE	PERMITTI A CHORVED ARE CONTRACTED WITH ATTACKED

This section is a section of the section and great section of the and appeal personn is 45 OPR \$155.4-

/s/ Charlie Beecham

cc: BIA, BLM, Colby, NAPI, OCD (via BLM), Sirgo, Tribe

"RENERAL STOLLOUS STOL

R. X by	Consultant (505) 466-8120	1-19-01
SIGNED SIGNED	TITLE DA	TE
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	

\*See Instructions On Reverse Side

# State of New Mexico Energy. Minerals & Mining Resources Department

## OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

MENDED REPORT

Pool Name

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

WEST KUTZ PC EXT

Pool Code

79680

APA Number

5-30520

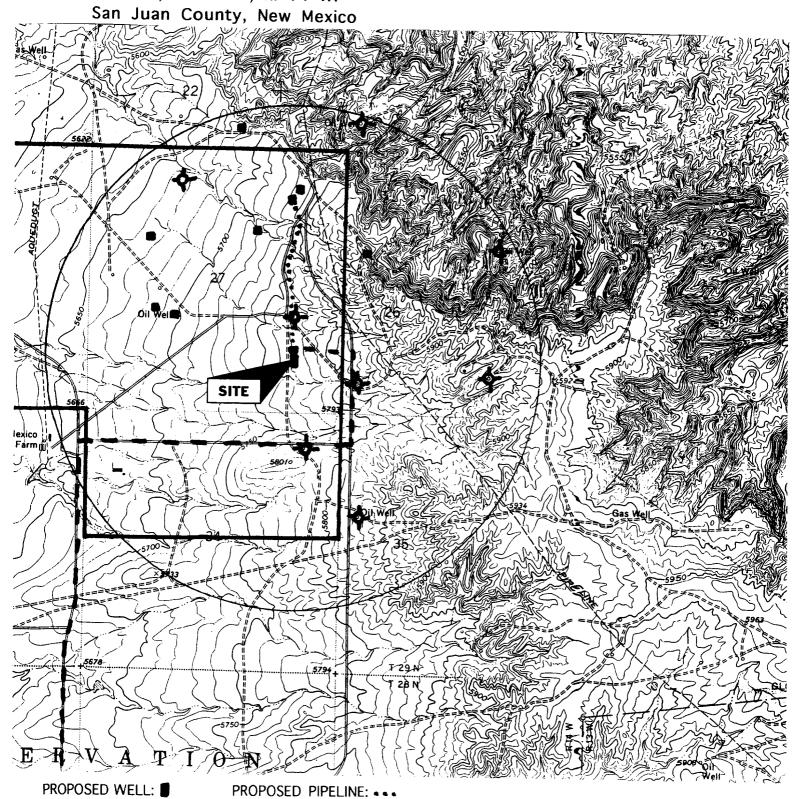
Property (	Code	Property Name							Well Number
.25%	54	NAVAJO 27							3
QGRID No	ð.	Operator Name							Elevation
019	219	RICHARDSON OPERATING COMPANY						5770 <sup>.</sup>	
Surface Location									
UL or Lot	Sec.	Twp.	Rge.	Lat kin.		North/South	Feet from>	East/West	County
Р	27	29 N.	14 W.		1278	SOUTH	1211	EAST	SAN JUAN
Battom Hole Location If Different Fram Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from>	North/South	Feet from>	East/West	County
Dedication	Jo	int?	Consolida	tion	<u> </u>	<u> </u>	Ord	er No.	
	NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION								
				- 27				Print Title  Date	ed Name BRIAN WOOD  CONSULTANT
						1278.	12II'	same of in Date	e is true and correct to the best my belief. e of Survey 10 0 BARD 2000

EXISTING WELL:

P&A WELL:

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PROVIDING PE RMITS for LAND US ERS



EXISTING ROAD: ---

LEASE:

Richardson Operating Co. Navajo 27 #3 1278' FSL & 1211' FEL Sec. 27, T. 29 N., R. 14 W. San Juan County, New Mexico

# Drilling Program

### 1. ESTIMATED FORMATION TOPS

Formation Name	GL Depth	<u>KB Depth</u>	Subsea Elevation
Kirtland Sh	000'	5'	+5,770'
Fruitland Fm	825'	830'	+4,945'
Pictured Cliffs Ss	1,225'	1,240'	+4,545'
Total Depth (TD)*	1,360'	1,365'	+4,410'
	·		

<sup>\*</sup> all elevations reflect the ungraded ground level of 5,770'

## 2. NOTABLE ZONES

<u>Gas Zones</u>	Water Zones	<u>Coal Zones</u>
Fruitland Fm (825')	Fruitland Fm (825')	Kirtland Sh (000')
Pictured Cliffs (1,225')		Fruitland Fm (825')

Water zones will be protected with casing, cement, and weighted mud. Fresh water encountered during drilling will be recorded by depth, cased, and cemented. Oil and gas shows will be tested for commercial potential based on the well site geologist's recommendations.

## 3. PRESSURE CONTROL

The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. (A typical 2,000 psi model is on PAGE 3.) Double ram or annular system with a rotating head will be used. All ram preventers and related equipment will be hydraulically tested at nipple up and after any use under pressure to 1000 psi.



Richardson Operating Co.
Navajo 27 #3
1278' FSL & 1211' FEL
Sec. 27, 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>O.D.</u>	Weight (lb/ft)	<u>Grade</u>	<u>Age</u>	GL Setting Depth
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  $\approx 36$  cu. ft. ( $\approx 30$  sx) Class B + 2% CaCl<sub>2</sub>. Volume is based on 100% excess, yield of 1.18 cu. ft./sk, and slurry weight of 15.6 PPG. 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  $\approx 155$  cu. ft. ( $\approx 75$  sx) of Class B with 2% metasilicate (yield = 2.06 cu. ft./sk, slurry weight = 12.5 PPG). Tail with  $\approx 89$  cu. ft. ( $\approx 75$  sx) of Class B with 2% CaCl<sub>2</sub> (yield = 1.18 cu. ft./sk, slurry weight = 15.6 PPG). Total cement volume is  $\approx 244$  cu. ft. 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.

