		•		reverse side)	Expires: Feb	ruary 28, 1995
	UN	IITED STATES				<u>.</u>
	DEPARTME	ENT OF THE INTER	IOR		5. LEASE DESIGNATION	ON AND SERIAL NO.
		OF LAND MANAGEMENT			N00-C-	14-20-3
_	APPLICATION FOR		OR DEEPEN		6. IF INDIAN, ALLOTTI	
TYPE OF WORK			<u> </u>		L	lavajo
	DRILL X	DEEPEN			7. UNIT AGREEMENT	NAME ファフ ぐ
TYPE OF WELL					}	3003
OIL	GAS X OTHE	R SING		TIPLE	8. FARM OR LEASE N	AME, WELL NO.
NAME OF OPERATOR		2011	<u> </u>	SINE	- Navai	G18 -#12
NAME OF OPERATOR					9. API WELL NO.	
ADDRESS AND TELEPHONE NO.	Pu	re Resources	THE STATE OF THE S		130-045	-30935
ADDRESS AND TELEPHONE NO.	202		2610010112	3	10. FIELD AND POOL O	
LOCATION OF WELL (Report location	P.U. BOX 850 on clearly and in accordance with any), Bloomfield New Mexico		(`` \	_	
At surface	or closify and in accordance wereing	/^	APR 2003		11, SEC., T.,R.,M., OR BLI	n Dakota
At proposed prodizone		1985' FNL and 1913' FEL	1 1 2003	27	AND SURVEY OR ARE	
At proposed produzone —		Same as Surface)	<u> </u>	6 Sec. 18. T	-25-N, R-10-W
DISTANCE IN MILES AND DIRECTI	ON FROM NEAREST TOWN OR POS		3 3 3 3 3		12. COUNTY OR PARIS	
	94 miles	a south Dissembald NA	By Living	22)	Son luon	
DISTANCE FROM PROPOSED*	∠¹ miles	s south Bloomfield NM \\;	<u>∂ </u>	CITY NO. OF ACRE	San Juan	NM NM
LOCATION TO NEAREST PROPERTY OR LEASE LINE FT (Also to	1913'		32070 700 - 500	THIS WELL	31600 220	NA
nearest drig. Unit line, if any) DISTANCE FROM PROPOSED' LOCATIO	ON TO	19. PROPOSED DEPT	H (40) (7) (7) (7)	20. ROTARY OF	R CABLE TOOLS	7
NEAREST WELL, DRILLING, COMPLETE OR APPLIED FOR, ON THIS LEASE	²⁵ 2500'	is. The occurrent		20. KODAKI O	_	
ELEVATIONS (Show whether DF, R		<u> </u>	6315'		Rotary [22. APPROX.DATE WO	DV VAN I STARTS
ELEVATIONS (SHOW WHEELER DE, P	it, Gr.,	6484' GR	}		22. AFFROX.DATE WC	RK WILL START
					Decembe	er 15, 2001
		PROPOSED CASING AND	"' 	<u> </u>		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMI	
12-1/4"	H-40 9-5/8"	32.3#	350'		5 SACKS "B" TOC @	
8-3/4"	K-55 7*	20#	3000		300 SACKS TYPE III TOC @ SURFACE	
6-1/4"	N-80 4-1/2"	11.6#	6315'	SACKS 65	/35 POZ TYPE III TOO	TIED INTO 7" CAS [
BOP- One double gate BC will hydraulically operate E	ajo G18-#10, and complete OP with 3-1/2" pipe and bline SOP with 1 1/2 times the ne ed during the drilling of the	d rams, one choke manifol cessary capacity to close t	•	nimum of 200 ps	si above recharge.	
(Ochematics are attached)					PERATIONS AUTH	
ın.	Drocedies	ubject to technical and	\$) COMPLIANCE W	ITH ATTACHED
3	and appeal pure	ubject to technical and ow pursuant to 43 CFF ount to 43 CFP and	3 3185 9	'GENERAL	REQUIREMENTS"	
		want to 43 CFR 3185.	4,			
	·					
Ö.						
F. 60 .	. :	4				
CSI CSI	t kao					
	()					
ABOVE SPACE DESCRIBED PR	OGRAM: If proposal is to deep todata on subsurface locations	en, give data on present prod	uctive zone and proposed n	ew productive zor	ne. If proposal is to d	rill or
peri directionally, give perunen	T GALA OIL SUDSUMACE TOCAUGIIS	and measured and true ventca	depins. Give blowout prev	enter program, it	any.	
SIGNED TIL X	MIKE C. PHILLIPS	TITLE	San Juan Basin Area Drlg/P	rod Foreman	DATE	11/22/01
(This space for Federal or State	office use)			·		
PERMIT NO.			APPROVAL DATE			
Application approval does not war	rant or certify that the applicant ho	olds legal or equitable title to those	rights in the subject lease wh	ich would entitle the	e application to conduct of	perations thereon
CONDITIONS OF APPROVAL, IF A		_ ,			.,	
APPROVED BY	oevid J. Mankiewi	CZ TITLE			DATEAPR	- 7 2003
- 78/ t	TOAK! A. MAR MACAN				——————————————————————————————————————	

*See Instructions On Reverse Side

Title18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious of fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Artesia, N.M. 88210

DISTRICT III 1000 Rio Braxes Rd., Astec, N.M. 87410

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

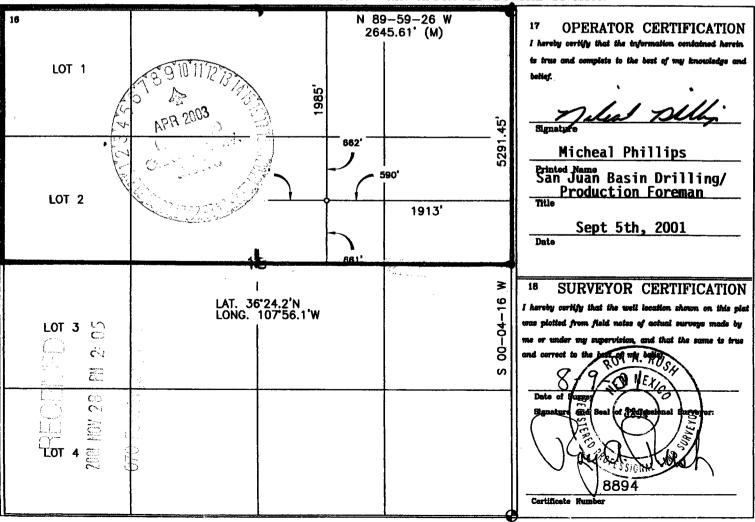
2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT *Pool Code API Number *Pool Name 30-045- *30935* 71599 Basin Dakota Property Code Well Number Property Name Navajo 2252 G18 12 OGRID No. *Operator Name • Elevation 189071 **PURE RESOURCES** 6484'

¹⁰ Surface Location UL or lot no. Section Feet from the North/South line Township Range Lot Idn Feet from the Bast/West line County G 18 25-N 10-W **NORTH** 1985' **EAST** 1913' SAN JUAN ¹¹ Bottom Hole Location If Different From Surface Lot Idn Feet from the North/South line UL or lot no. Section Township Feet from the East/West line County Dedicated Acres ¹³ Joint or Infill 14 Consolidation Code ¹⁵Order No. 318,99

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



PURE RESOURCES NAVAJO 18G-12 1985' FNL, 1,913' FEL, SEC. 18, T-25-N, R-10-W SAN JUAN CO. NEW MEXICO

8 POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS

FORMATION NAME	DEPTH FROM GL		
Pictured Cliffs	1,445'		
Cliff House	3,080'		
Point Lookout	3,735		
Mancos	4,180'		
Gallup	4,960'		
X-Marker	6,075'		
Dakota	6,095'		
Y-Marker	6,255'		
Burro Canyon	6,315'		

2. OIL, GAS, WATER, OR OTHER MINERAL BEARING ZONES

EXPECTED GAS ZONES	DEPTH FROM GL
Dakota	6075-6315'
EXPECTED WATER ZONES	DEPTH FROM GL
Cliff House	3080'

Possible water zones will be protected by 7" intermediate casing and/or 4-1/2" production strings, 7" cemented to surface, and 4-1/2" casing cement tied in to 7".

2. PRESSURE CONTROL BOP'S AND RELATED EQUIPMENT

Casing Head: 7" x 11" - 3000 psi W.P.

BOP Stack and Related Equipment: (See Attachment No. 1 &2).

NAVAJO 18G-12 DRILLING PROGRAM – PAGE 2

One double-gate BOP with 4-1/2" and then 3-1/2" pipe and blind rams.

One choke manifold with adjustable and positive chokes.

An accumulator will hydraulically operate the BOP with 1-1/2 times the necessary capacity to close the rams and retain a minimum of 200psi above recharge. The remote unit will be located in the bottom "dog house" or on the ground between the "dog house" and the toolpushers trailer. A rotating head on top of the BOP stack will be utilized when necessary.

Testing Procedure:

The BOP and related equipment will be tested in accordance with the provisions of Onshore Oil and Gas Order No. 2.

BOP's will be operationally tested daily and each test will be logged in the IADC Daily Drilling Report.

Blooie Line:

The blooie line and related equipment will meet all requirements of Onshore Oil and Gas Order No. 2.

4. CASING AND CEMENTINNG PROGRAM

read &C							
&C							
INTERMEDIATE CASING (FW Mud)							
read							
&C							
PRODUCTION CASING (Air Dusting)							
read							
&C							

MINIMUM SAFETY FACTORS

Collapse: 1.125 Tension: 1.8 Burst: 1.0

NAVAJO 18G-12 DRILLING PROGRAM – PAGE 3

Cementing Program

- 1. The 9-5/8" surface casing will be cemented to the surface with 200 sacks of class Type III "B" cement + 2 Cacl2 and 1/4# per cello flake. (1.39 cu/ft) 14.5ppg
- 2. The 7" intermediate casing will be cemented to surface with; 325 sacks of type III (35:65) Poz cement + 8% gel + 2% CACL2, + 6.25#/sack Gilsonite, .25 lbs/sk Cello Flakè @ (2.11 CU/FT) 12.1 ppg, Followed by 80 sacks class "B" cement + 2% CACL2 + ½ #/sack cello-flake. @ (1.39 CU/FT) 14.5 ppg.
- 3. The 4-1/2" production casing will be cemented and tied into the intermediate casing with 600 sacks 65/35 Poz Type III cement + 1/4 #/sack CF, 6% gel, 10#/sack CSE + 2% KCL, FL-62 + .2% CD-32, @ (2.06 CU/FT) 12.5 ppg. 100 min overlass

Casing hardware for the production string to include guide shoe, float collar, centralized shoe joint and next five joints. Centralizers across producing zones.

Auxiliary Equipment

A kelly cock will be used with handle available. A full opening safety valve will be used when Kelly is out of string. Rotating head while air drilling. Will have vacuum diversion on blooie line.

5. **DRILLING FLUID PROGRAM**

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Vis</u>	<u>W.L.</u>
0-350'	Spud Mud			N.C.
350-3300'	Fresh Water Gel	8.3-8.6	30-35	N.C
3300'-TD	Air	N.C.	N.C.	N.C.