N.M. Oil Cons. DIV-Dist. 2

Form 3160-3 (July 1992)

UNITED STATES 1301 W. Grange Average Company of the Internation of the

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

	DEPARIMENTO	- IHPINIH	RIUBOIA, IVIVI			,	
	BUREAU OF LAND		•	OOE 19	5. LEASE DESIGNATION AN NM 10521		
APPLIC	CATION FOR PERM	IIT TO DR	ILL OR DEEPEN	l	6. IF INDIAN, ALLOTTEE OR	TRIBE NAME	
1a. TYPE OF WORK	DRILL 🛛	DEEPEN [7. UNIT AGREEMENT NAME		
b. TYPE OF WELL	040		CINCL F	A## 700 C			
MELL	GAS WELL OTHER		SINGLE ZONE	MULTIPLE	8. FARM OR LEASE NAME,	W ELL NO.	
2. NAME OF OPERATOR			ZONE 345678	9 10173	Red Cloud 4 Fed	eral #1	
Nearburg Produc	ing Company		\(\gamma^3\)	(\$)	9. API WELL NO.		
3. ADDRESS AND TELEPHO	ONE NO.		// *	[iv	30 -015	<u>- 32191</u>	
3300 North "A" S	treet, Bldg 2, Ste120, Midla	and, TX 79705	(915) <u>6</u>86-8235 , 10 N	13 <u>E</u>	10. FIELD AND POOL, OR W	/ILDCAT	
4. LOCATION OF WELL (Rej	port location clearly and in accordance		(915) 686-8235 NG W	FD . OI	Lusk Morrow; West (Gas)		
•	10' FSL and 660' FWL		ments OS RECEIVE OCD A	S S S S S S S S S S S S S S S S S S S	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
At proposed prod. zone			23.24.25.000 L	160	Section 4-19S-31E		
14. DIST ANCE IN MILES AN	D DIRECTION FROM NEAREST TOW	N OR POST OFFICE	· /60,	(1)	12. COUNTY OR PARISH	13. STATE	
9 miles northwes	t of Halfway, New Mexico		232425	22/20	Eddy	NM	
15. DISTANCE FROM PROP			16. NO. OF ACRES IN LEASE	17. NO. OF	ACRES ASSIGNED	·	
LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig. unit i		60'	320	ТОТН	THIS WELL 320		
18. DIST ANCE FROM PROP	OSED LOCATION*		19. PROPOSED DEPTH	20. ROTAF	ROTARY OR CABLE TOOLS		
TO NEAREST WELL, DRI OR APPLIED FOR, ON TI			12.500'		Rotary		
21. ELEVATIONS (Show whe	ether DF, RT, GR, etc.)				22. APPROX. DATE WORK	WILL START	
3554' GR		TER BASIN	09/01/2003				
23.		PROPOSED CAS	ING AND CEMENTING PR	OGRAM			
SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT			OOT SETTING DEP	тн	QUANTITY OF CEMENT		
17-1/2"	17-1/2" 13-3/8"- J55 H4D 48# 650' 1300' WIIN					urface	
12-1/4"	8-5/8" J55,HCK	24# & 32#	3600'		1500 sx cmt, circ to surface		
7-7/8"	5-1/2" J55,N80	17# & 20#	12,500'		1500 sx cmt		
	1						

Propose to drill the well to sufficient depth to evaluate the Morrow formation. After reaching TD, logs will be run and casing set if the evaluation is positive. Perforate, test and stimulate as necessary to establish production.

Acreage dedication 320; S/2 of Section 4

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

i ABOVE SPACE DE sepen directionally, g	ESCRIBE PROGRAM: If proposal is to do	sepen, give data on present productive zone and proposed no as and measured and true vertical depths. Give blowo ut preve	ew productive zone. If proposal is to drill or enter program. If any.
4.	Sanah Jona	2c3 On trice Production Analyst	DATE 07/17/2003
(This space for Fed	eral or State office use		
PERMIT NO.		APPROVAL DATE	
Application approval do CONDITIONS OF APP	pes not warrant or certify that the applicant holds PROVAL, IF A NY:	legal or equitable title to those rights in the subject lease which would e ${f ACTING}$	entitle the applicant to conduct operations the reon.
APPROVED BY	/s/ Joe G. Lara	TITLE FIELD MANAGER	DATE 1 JUL 2003
	*Se	e Instruction's 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 of agency Foothe 1 YEAR United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

Nearburg Producing Company 3300 North "A" Street, Building 2, Suite 120 Midland, Texas 79705

The undersigned accepts all applicable terms, conditions, stipulations and restrictions covering operations conducted on the leased land or portion thereof, as described below:

Lease No:

NM 105217

Legal Description of Land:

Unit M, 810' FSL & 660' FWL

Section 4, T19S, R31E Eddy County, New Mexico

Formation(s) (if applicable): Morrow

Bond Coverage:

\$25,000 statewide bond of Nearburg Producing Company

BLM Bond File No:

NM1307

Drilling Manager

ATTACHMENT TO FORM 3160-3 RED CLOUD 4 FEDERAL COM #1 SECTION 4, T19S, R31E EDDY COUNTY, NEW MEXICO

DRILLING PROGRAM

1. GEOLOGIC NAME OF SURFACE FORMATION

Red Bed

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Rustles	750'	Wolfcamp	9900'
Yates	2700'	Strawn	10,850'
Queen	3350'	Atoka	11,200'
Delaware	4920'	Morrow	11,400'
Bone Spring	6500'	TD	12,300'
T/1 st Bone Spring	7950'		

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL, OR GAS

Bone Spring Oil 8000' Morrow Gas 12,000'

4. CASING AND CEMENTING PROGRAM

Casing Size	From To	Weight	<u>Grade</u>	<u>Joint</u>
13-3/8"	0'-650'	48#	H40	STC
8-5/8"	0'-3,600'	32#	J55	STC
5-1/2"	0' - 12,500'	17#	K55,N80	LTC&BTC

Equivalent or adequate grades and weights of casing may be substituted at time casing is run, depending on availability.

650

We plan to drill a 17-1/2" hole to equal 1300. 13-3/8" casing will be cemented with 800 sxs Class "C" or volume necessary to bring cement back to surface.

12-1/4" hole will be drilled to 3,600' and 8-5/8" casing will be cemented with 1,500 sxs Class "C" or volume necessary to bring cement back to surface.

7-7/8" hole will be drilled to 12,500' and 5-1/2" production casing will be cemented with approximately 1000 sxs of Class "H" cement covering productive zones.

Red Cloud 4 Federal Com #1 Page 2

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

The BOP stack will consist of a 5,000 psi working pressure, dual ram type preventer and annular.

A BOP sketch is attached.

6. TYPES AND CHARACTERTICS OF THE PROPOSED MUD SYSTEM

Spud and drill to 650' with fresh water mud for surface string. The intermediate section will be drilled with 10 ppg Brine water mud to 3,200'. Intermediate casing will be run at this depth. The production section from 3,200' to 12,500' will be 9.2 - 9.6 ppg cut Brine system with mud weight sufficient to control formation pressures.

7. AUXILLARY WELL CONTROL AND MONITORING EQUIPMENT

None required.

8. LOGGING, TESTING, AND CORING PROGRAM

DLL/CNL/LDT/CAL/GR logging is planned. Drill stem tests, cores and sidewall cores are possible.

9. <u>ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES & POTENTIAL HAZARDS</u>

None anticipated.

BHP expected to be 3,500 psi.

10. ANTICAPATED STARTING DATE:

Is planned that operations will commence on September 1, 2003 with drilling and completion operation lasting about 45 day.

SURFACE USE AND OPERATIONS PLAN FOR

DRILLING, COMPLETION, AND PRODUCING

NEARBURG PRODUCING COMPANY RED CLOUD 4 FEDERAL COM #1 SECTION 4-T19S-R31E LEA COUNTY, NEW MEXICO

LOCATED

9 miles Northwest of Halfway, New Mexico

OIL & GAS LEASE

NM 105217

RECORD LESSEE

Yates Petroleum Corp.

BOND COVERAGE

\$25,000 statewide bond of Nearburg Producing Company

ACRES IN LEASE

320.00 acres

GRAZING LEASE

Wayne Hardin 799 S. Roosevelt Road 8 Portales, NM 88130

POOL

Lusk; Morrow West (Gas) (80840)

EXHIBITS

- A. Area Road Map
- B. Drilling Rig Layout
- C. Vicinity Oil & Gas Map
- D. Topographic & Location Verification Map
- E. Well Location & Acreage Dedication Map

This well will be drilled to a depth of approximately 12,500'.

Red Cloud 4 Federal Com #1 Page 2

1. EXISTING ROADS

- A. Exhibit A is a portion of a section map showing the location of the proposed well as staked.
- B. Exhibit C is a plat showing existing roads in the vicinity of the proposed well site.

2. ACCESS ROADS

A. Length and Width

The access road will be built and is shown on Exhibit D.

B. Surface Material

Existing.

C. Maximum Grade

Less than five percent

D. Turnouts

None necessary.

E. Drainage Design

Existing.

F. Culverts

None necessary.

G. Gates and Cattle Guards

None needed.

3. LOCATION OF EXISTING WELLS

Existing wells in the immediate area are shown in Exhibit C.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Necessary production facilities for this well will be located on the well pad.

5. LOCATION AND TYPE OF WATER SUPPLY

It is not contemplated that a water well will be drilled. Water necessary for drilling will be purchased and hauled to the site over existing roads shown on Exhibit D.

6. METHODS OF HANDLING WASTE DISPOSAL

- A. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
- B. Water produced during tests will be disposed of in the drilling pits.
- C. Oil produced during tests will be stored in test tanks.
- D. Trash will be contained in a trash trailer and removed from well site.
- E. All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

7. ANCILLARY FACILITIES

None required.

8. WELL SITE LAYOUT

Exhibit B shows the relative location and dimensions of the well pad, mud pits, reserve pit, and trash pit, and the location of major rig components.

9. PLANS FOR RESTORATION OF THE SURFACE

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. The well site will be cleaned of all trash and junk to leave the site in an as aesthetically pleasing condition as possible.
- B. After abandonment, all equipment, trash, and junk will be removed and the site will be clean.

10. OTHER INFORMATION

A. Topography

The land surface at the well site is rolling native grass with a regional slope being to the east.

B. Soil

Topsoil at the well site is sandy soil.

Red Cloud 4 Federal Com #1 Page 4

C. Flora and Fauna

The location is in an area sparsely covered with mesquite and range grasses.

D. Ponds and Streams

There are no rivers, lakes, ponds, or streams in the area.

E. Residences and Other Structures

There are no residences within a mile of the proposed well site.

F. Archaeological, Historical, and Cultural Sites

None observed on this area.

G. Land Use

Grazing

H. Surface Ownership

Bureau of Land Management

11. OPERATOR'S REPRESENTATIVE

H. R. Willis 3300 North "A" Street, Bldg 2, Suite 120 Midland, Texas 79705

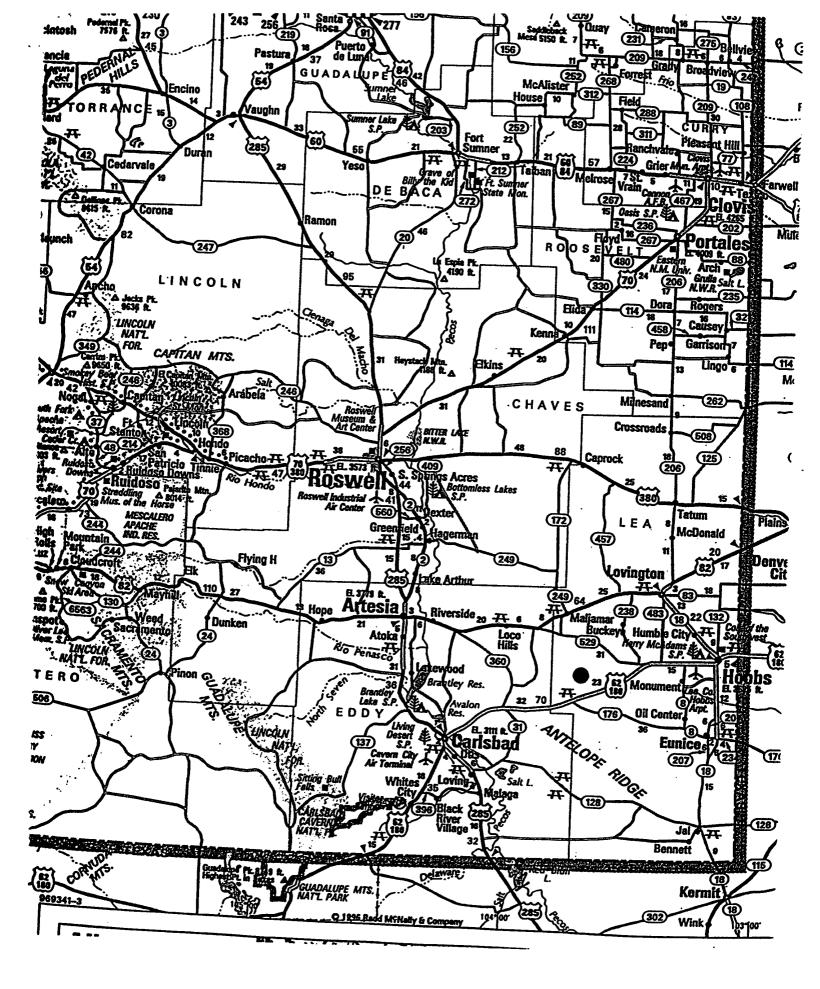
Office: (915) 686-8235 Home: (915) 697-2484

12. <u>CERTIFICATION</u>

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Nearburg Producing Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved

Date

Drilling Manager



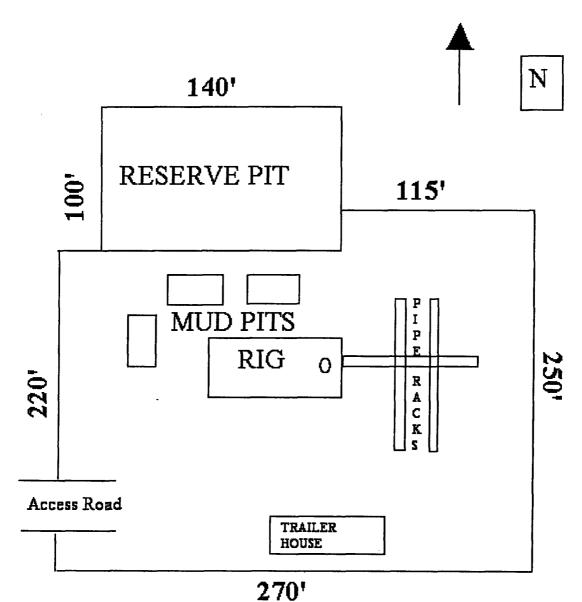
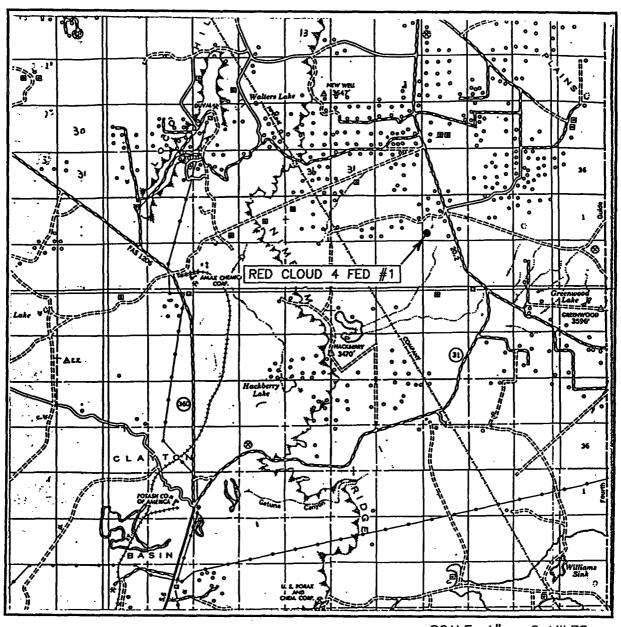


EXHIBIT B
DRILLING RIG LAYOUT
NEARBURG PRODUCING COMPANY
RED CLOUD 4 FEDERAL COM #1

VICINITY MAP



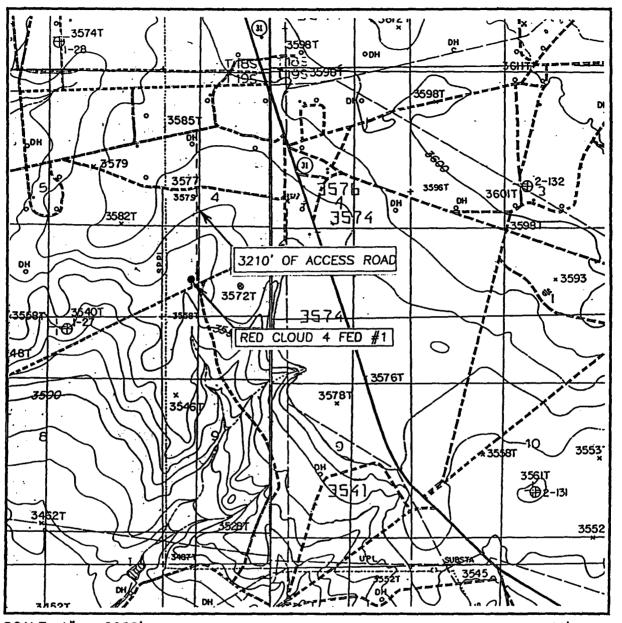
SCALE: 1" = 2 MILES

SEC. 4 TWP. 19-S RGE. 31-E
SURVEYN.M.P.M.
COUNTYEDDY
DESCRIPTION 810' FSL & 660' FWL
ELEVATION 3554'
OPERATOR NEARBURG PRODUCING COMPANY
LEASERED_CLOUD 4 FEDERAL

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

SEC. 4 TWP. 19-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 810' FSL & 660' FWL

ELEVATION 3554'

OPERATOR NEARBURG PRODUCING COMPANY

LEASE RED CLOUD 4 FEDERAL

U.S.G.S. TOPOGRAPHIC MAP HACKBERRY LAKE & GREENWOOD LAKE, N.M. CONTOUR INTERVAL: 10.' HACKBERRY LAKE & GREENWOOD LAKE, N.M.

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117 DISTRICT I P.O. Box 1980, Hobbe, NM 88241-1980

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994

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

OIL CONSERVATION DIVISION P.O. Box 2088

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

DISTRICT III 1000 Rio Brazos Rd., Axtec, NM 87410 Santa Fe, New Mexico 87504-2088

DISTRICT IV P.O. BOX 2088, SANTA FR. N.M. 8750	WELL LOCATION AND	ACREAGE DEDICATION PLAT	□ AMENDED REPORT
API Number	Pool Code	Pool Name	
	80840	Lusk Morrow; West	(Gas)
Property Code	•	erty Name D 4 FEDERAL	Well Number
OGRID No.	Oper	ator Name	Elevation
015742	NEARBURG P	RODUCING CO.	3554'

Surface Location

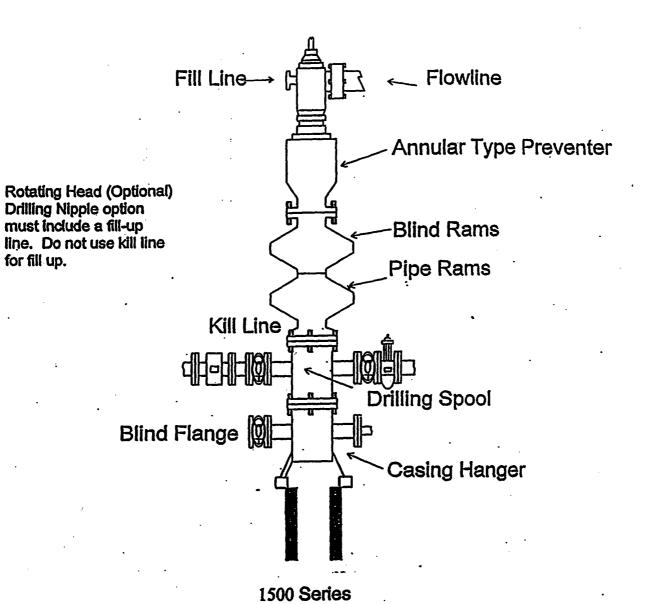
1	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	M	4	19-S	31-E		810	SOUTH	660	WEST	EDDY

Bottom Hole Location If Different From Surface

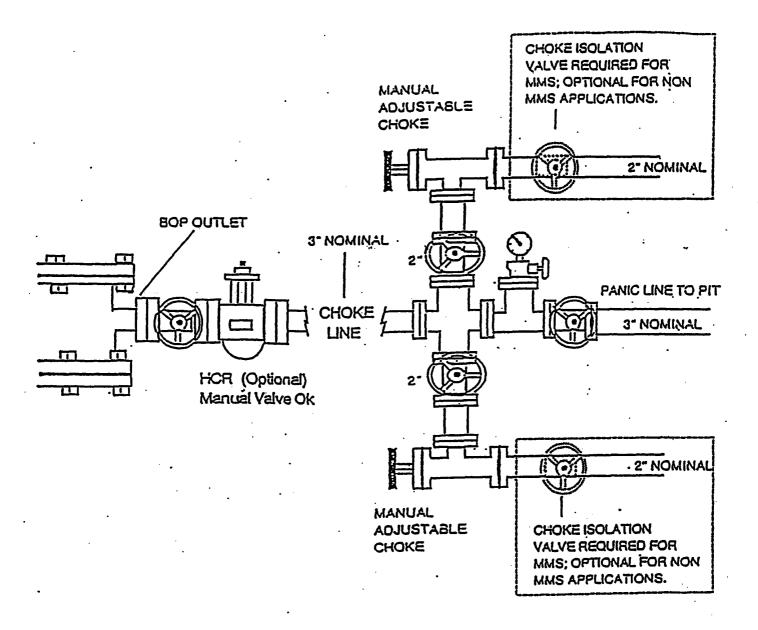
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Or	der No.				
320	N								

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

	OR A NON-STANDA	ARD UNIT HAS BE	EN APPROVED BY TH	HE DIVISION
LOT 4	LOT 3	LOT 2	LOT 1	OPERATOR CERTIFICATION
	1			I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
39.52 AC	39.63 AC	39.63 AC	39.64 AC	Kim Slawart Signature
1				Kim Stewart Printed Name
				Regulatory Analyst
				December 28,2001
L +	-+++	_\	17 7 - 1	SURVEYOR CERTIFICATION
1				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
٠.;				supervison, and that the same is true and correct to the best of my belief.
	1		1	DECEMBER 18, 2001
7555 6' 7555 1'	<u> </u>			Date Surveyed William AWB Signature & Best of () Professional Surveyer
3555.6' 3556.1'				Genald Lordon #2/19/01
3553.6' 3556.9'				Certificate No. RONALD & EEDSON 3239
				PROFESSION 12641



NEARBURG PRODUCING COMPANY CHOKE MANIFOLD 5M SERVICE



HYDROGEN SULFIDE DRILLING OPERATIONS PLANS NEARBURG PRODUCING COMPANY RED CLOUD 4 FEDERAL #1

1. HYDROGEN SULFIDE TRAINING

- A. All regularly assigned personnel, contracted or employed by Nearburg Producing Company, will receive training from a qualified instructor in the following areas prior to commencing drilling potential hydrogen sulfide bearing formations in this well:
 - 1. The hazards and characteristics of hydrogen sulfide (H2S).
 - 2. The proper use and maintenance of personal protective equipment and life support systems.
 - 3. The proper use of H2S detectors, alarms, warning systems, briefing areas, evacuation procedures and prevailing winds.
 - 4. The proper techniques for first aid and rescue procedures.
- B. In addition, supervisory personnel will be trained in the following areas:
 - 1. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
 - 2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
 - 3. The contents and requirements of the H2S Drilling Operations Plan.
- C. There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

HYDROGEN SULFIDE DRILLING OPERATIONS PLANS PAGE 2

2. H2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H2S safety equipment and systems will be installed, tested and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S.

A. Well Control Equipment:

- 1. Flare line with continuous pilot.
- 2. Choke manifold with a minimum of one remote choke.
- 3. Blind rams and pipe rams to accommodate all sizes with properly sized closing unit.
- 4. Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head and flare gun with flares as needed.

B. Protective Equipment for Essential Personnel:

Mark II Surviveair 30-minute units located in the dog house and at briefing areas, as indicated on well site diagram.

C. H2S Detection and Monitoring Equipment:

- 1. Two portable H2S monitors positioned and location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.
- 2. One portable SO2 monitor positioned near flare line.

D. Visual Warning systems:

- 1. Wind direction indicators as shown on well site diagram.
- 2. Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used when appropriate. See example attached.

HYDROGEN SULFIDE DRILLING OPERATIONS PLANS PAGE 3

E. Mud Program

- 1. The Mud Program has been designed to minimize the volume of H2S circulated to the surface. Proper mud weights, safe drilling practices and the use of H2S scavengers will minimize hazards when penetrating H2S bearing zones.
- 2. A mud-gas separator will be utilized as needed.

F. Metallurgy

All drill strings, casing, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and line and valves shall be suitable for H2S service.

G. Communication

- 1. Cellular telephone communications in company vehicles and mud logging trailer.
- 2. Land line (telephone) communications at area office.

H. Well Testing

Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safely and adequately conduct the test. The drill stem testing in an H2S environment will be conducted during the daylight hours.

WARNING

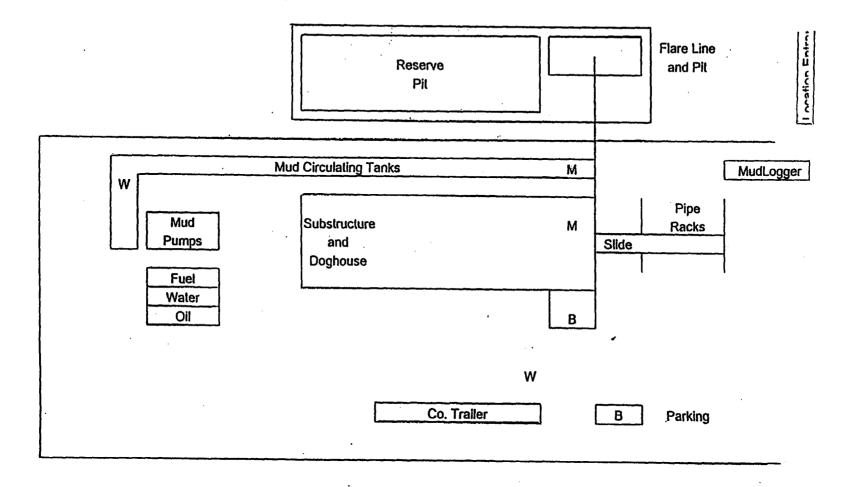
YOU ARE ENTERING A H2S AREA AUTHORIZED PERSONNEL ONLY

- 1. BEARDS OR CONTACT LENSES NOT ALLOWED
- 2. HARD HATS REQUIRED
- 3. SMOKING IN DESIGNATED AREAS ONLY
- 4. BE WIND CONSCIOUS AT ALL TIMES
- 5. CHECK WITH NEARBURG SUPERINTENDENT AT MAIN OFFICE

NEARBURG PRODUCING COMPANY

(432) 686-8235

NEARBURG PRODUCING COMPANY HYDROGEN SULFIDE DRILLING OPERATIONS LOCATION PLAN



- M H2S Monitors with alarms at bell nipple and shale shaker
- W Wind Direction Indicators
- B Sale Briefing areas with caution signs and protective breathing equipment. Minimum 150' from wellhead.

Prevailing Wind Directions: Summer - South/Southwest Winter - North/Northwest