2071	OCD-ARTESIA		
Form 3160-3	- OD THEILDIN	FORM APPRO	
(August 1999) UNITED ST	ATES	OMB No. 1004 Expires November	
DEPARTMENT OF T	THE INTERIOR (-16)		
BUREAU OF LAND M	THE INTERIOR A-05-26	5. Lease Serial No. NMNM108025	
E W ADVIOLEGE PERMIT	TO DOUL OF PENTEROFIVED	6. If Indian, Allottee or Tribe	Name
APPLICATION FOR PERMIT	TO DRILL OR REENTER CEIVED	o. If Indian, Another of Tribe	T anie
1a. Type of Work: ☑ DRILL ☐ REENTER	FEB 0 2 2005	7. If Unit or CA Agreement, N	Name and No.
16. 1)po 01o.m.	OCUMENTESIA		
		Lease Name and Well No. DOUBLE TROUBLE FEL	DEPAL COM 1:
1b. Type of Well: Oil Well Gas Well Oth			DEIVAL COW !
2. Name of Operator Contact: MARBOB ENERGY CORPORATION	MELANIE J PARKER E-Mail: LAND2@MARBOB.COM	9. API Well No.	~ 3393
3a. Address	3b. Phone No. (include area code)	10. Field and Pool, or Explora	
P O BOX 227 ARTESIA, NM 88211-0227	Ph: 505-748-3303 Undes	SPRINGS MORROW	•
ARTESIA, NIVI 60211-0227	Fx: 505-746-2523		
4. Location of Well (Report location clearly and in accorded	ance with any State requirements.*)	11. Sec., T., R., M., or Blk. ar	nd Survey or Area
At surface NENE Lot 1 940FNL 791Fl	EL	Sec 3 T21S R25E Me	r NMP
At proposed prod. zone NENW Lot 3 660FNL 1980	FWL	SME: BLM	a (
14. Distance in miles and direction from nearest town or post		12. County or Parish	I 13. State
14. Distance in times and direction from nearest own or post	onice	EDDY	NM
15. Distance from proposed location to nearest property or	16. No. of Acres in Lease	17. Spacing Unit dedicated to	this well
lease line, ft. (Also to nearest drig. unit line, if any)		298.00	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. on fi	ile
• • • •	11050 MD TVS 10575 TVD MN		
21. Elevations (Show whether DF, KB, RT, GL, etc.	22. Approximate date work will start	23. Estimated duration	
3298 GL	12/01/2004	21 DAYS	
	24. Attachments CARLER	AD COMPOSITED W.	TD D
The Call and a completed in a complete distribution with the		SAD CONTROLLED WAT	EK BASIN
The following, completed in accordance with the requirements of			
 Well plat certified by a registered surveyor. A Drilling Plan. 	4. Bond to cover the operation Item 20 above).	ons unless covered by an existing	s bond on file (see
3. A Surface Use Plan (if the location is on National Forest Syst	em Lands, the 5. Operator certification	formation and/or plans as may be	a magninad by the
SUPO shall be filed with the appropriate Forest Service Of	authorized officer.	formation and/or plans as may be	e required by the
25. Signature	Name (Printed/Typed)		Date
(Electronic Submission)	MELANIE J PARKER Ph: 505-748-330	3	10/22/2004
Title LAND DEPARTMENT			
Approved by (Signature)	Name (Printed/Typed) /s/ Tony J. He	rrell	FEB - 1 201
/s/ Tony J. Herrell		'- 4 VAI	FEB - 1 200
Title TITLE	Office CADI CDAD FIFE	T TO	

Application approval does not warrant or certify 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, are attached.

FIELD MANAGER

APPROVAL FOR 1 YEAR

CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

Electronic Submission #50293 verified by the BLM Well Information System
For MARBOB ENERGY CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by LINDA ASKWIG on 10/25/2004 (05LA0040AE)

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS **ATTACHED**

State of New Mexico

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 60210

DISTRICT III 1000 Rie Brazos Rd., Aztec, NM 87410 OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Form C-102 Revised JUNE 10, 2003 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

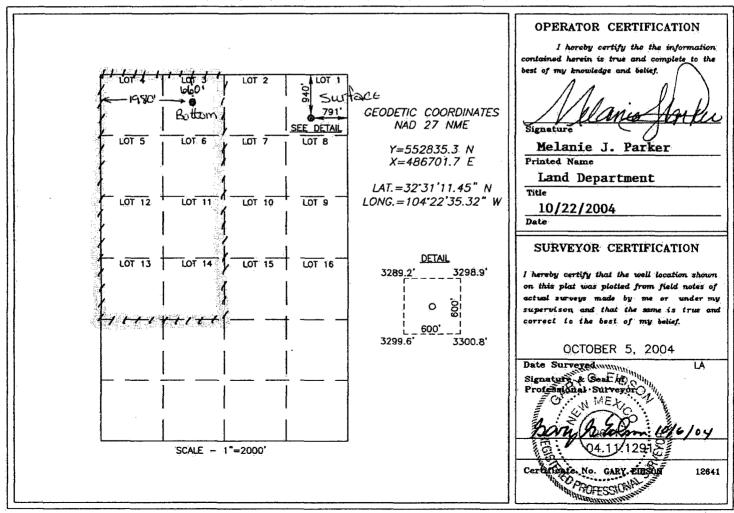
DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FR. NW 87	well location and a	CREAGE DEDICATION PLAT	□ AMENDED REPORT
API Number	Pool Code	Pool Name	
	85635	SPRINGS MORROW	
Property Code	Proper	ty Name	Well Number
	DOUBLE TRO	UBLE FEDERAL	1
OGRID No.	Gpera!	or Name	Elevation
14049	MARBOB ENERG	Y CORPORATION	3298'

Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line UL or lot No. County 791 **EAST EDDY** 1 3 21-S 25-E 940 "NORTH Bottom Hole Location If Different From Surface

Surface Location

bottom note bottled in billerene i total bullion									
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
3	3	21S	25E		660	North	1980	West	Eddy
Dedicated Acres	Dedicated Acres Joint or Infill Consolidation Code Order No.								
298									

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





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

February 9, 2005 Marbob Energy Corporation P.O. Box 227 Artesia, NM 88210 Attn: Melanie Parker

RE: Marbob Energy Corporation: Double Trouble Com. # 1, located in Lot 1

(940' FNL & 791' FEL, surface location) of Section 3, Township 21 South Range 25 East

Eddy County, New Mexico.

Dear Mrs. Parker,

In regards to conditions for approval of the above captioned well, the New Mexico Oil Conservation Division (NMOCD) will require the following only if the drilling of the surface hole of said well is not drilled with an air/mist system.

This is for Marbob Energy Corporation to take samples from the flow line of the drilling mud every 100' in order to determine the chloride levels from the surface to a depth of @ 1700'.

The results of this data are to be submitted to the NMOCD and the Bureau of Land Management. Please call our office if you have any questions regarding this matter.

Respectfully yours,

Bryan G. Arrant PES

CC:

Tim Gum-District Supervisor-Artesia

Bureau of Land Management

Well File

MARBOB ENERGY CORPORATION DRILLING AND OPERATIONS PROGRAM

Double Trouble Federal No. 1 940' FNL and 791' FEL, Lot 1 Section 3-T21S-R25E Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Marbob Energy Corporation submits the following ten items of pertinent information in accordance with BLM requirements.

- 1. The geological surface formation is Permian:
- 2. The estimated tops of geologic markers are as follows:

Queen	750′	Cisco-Canyon	8050'
San Andres	1000'	Strawn	9350'
Delaware	1750′	Atoka	9800'
Bone Spring	2600'	Morrow	9800'
		TD	10100'

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Permian	Surface	Fresh Water	
Wolfcamp	7700'	Oil	
Cisco-Canyon	8050	Gas	
Strawn	9350'	Gas	
Atoka	9800'	Gas	
Morrow	10100'	Gas	

No other formations are expected to give up oil, gas, or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 13 3/8" casing at 330' and circulating cement back to surface. Any shallower zones above TD which contain commercial quantities of oil and/or gas will have cement circulated across them by inserting a float shoe joint into the 5 1/2" production casing which will be run at TD to sufficiently cover all known oil and gas horizons above 200'.

4. Proposed Casing Program:

Hole Size	Interval	OD Casing	Wt	Grade	
 17 1/2"	0 - 330'	13 3/8"	48#	H-40	
12 1/4"	0 - 2800'	1700' 9 5/8"	36#	J - 55	
8 3/4"	0 - 11050'	5 1/2"	17#	S95-P110	
		320			

Proposed Cement Program:

13 3/8" Surface Casing:

Cement w/ 330 sx Class C. Circulate to surface.

WITNESS9 5/8" Intermediate Casing: Cement w/650 sx Class C. Circulate to surface.

5 1/2"" Production Casing:

Cement w/ 800 sx Class C. TOC to cover 200' above all oil

and gas horizons to tie into surface.

5. Pressure Control Equipment: See Exhibit 1.

6. Mud Program: The applicable depths and properties of this system are as follows:

		Weight	Viscosity	Waterloss
Depth	Type	(ppg)	(sec)	(cc)
0 - 330'	Fresh Water	8.4 - 9.2	32 - 34	N.C.
330 - 2800'	Brine	10.0	28	
2800 – 10100′	Cut Brine	9.8 - 10.2	40 -45	N.C.

- 7. Auxiliary Equipment: Kelly Cock; Sub with full opening valve on floor; and drill pipe connections.
- 8. Testing, Logging and Coring Program:

No drillstem tests are anticipated.

The electric logging program will consist of Dual Laterolog Micro SFL, Spectral Density Dual Spaced Neutron Csng Log, and Depth Control Log. No conventional coring is anticipated.

- 9. No abnormal pressures or temperatures are anticipated.
- 10. Anticipated starting date: As soon as possible after approval.

MARBOB ENERGY CORPORATION MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Double Trouble Federal No. 1 940' FNL and 791' FEL, Lot 1 Section 3-T21S-R25E Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

1. EXISTING ROADS:

Exhibit 2 is a portion of a topo map showing the well and roads in the vicinity of the proposed location. The proposed wellsite and the access route to the location are indicated in red on Exhibit 2.

DIRECTIONS:

From the intersection of US 283 and County Road 30 go north on County Road 30 approximately 0.2 miles to a lease road on the right. Turn right and go east 0.26 miles. Turn left and go north approximately 0.34 miles to existing Marbob – Dry Land Shiner Federal Com #1 location. This well is 150' west of existing well.

2. PLANNED ACCESS ROAD:

3. No new access road of will be necessary.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. Marbob Energy Corporation proposes a collection facility, if well is productive, to be located on the Double Trouble Federal #1 well pad.

5. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the lined pit.
- B. Drilling fluids will be allowed to evaporate in the lined pit until the pit is dry.
- C. Water produced during completion may be disposed into the lined reserve pit.
- D. All trash and debris will be removed from the wellsite within 30 days after finishing drilling and/or completion operations. All waste material will be contained to prevent scattering by the wind.

6. WELLSITE LAYOUT:

- A. Exhibit 3 shows the relative location and dimensions of the well pad, the pit.
- B. The reserve pit will be lined with high quality plastic sheeting.

7. PLANS FOR RESTORATION:

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Reserve pit will be fenced until they have dried and been leveled.
- C. All rehabitation and/or vegetation requirements of the BLM will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level within 90 days after abandonment.

8. SURFACE OWNERSHIP:

The well site and lease are located on Federal surface

- A. The area around the well site is grassland and the top soil is sandy. The vegetation is native scrub grasses with abundant oakbrush, sagebrush, yucca, and prickly pear.
- B. A Cultural Resources Examination has been requested and will be forwarded to your office in the near future.

9. OTHER INFORMATION:

A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.

10. OPERATOR'S REPRESENTATIVE:

A. Through A.P.D. Approval:

Dean Chumbley, Landman Marbob Energy Corporation P. O. Box 227 Artesia, NM 88211-0227 Phone (505)748-3303 Cell (505)748-5988 B. Through Drilling Operations

Sheryl Baker, Drilling Supervisor Marbob Energy Corporation P. O. Box 227 Artesia, NM 88211-0227 Phone (505)748-3303 Cell (505)748-5489

11. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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 Marbob Energy Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filling of a false statement.

Date

Melanie J. Parker Land Department

MARBOB ENERGY CORPORATION

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

I. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- A. The hazards and characteristics of hydrogen sulfide (H_2S) .
- B. The proper use and maintenance of personal protective equipment and life support systems.
- C. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- D. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- A. The effects of H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- B. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- C. The contents and requirements of the H₂S Drilling Operations Plan and the Public Protection Plan.

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 and the Public Protection 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.

II. 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:

Flare line.

Choke manifold.

Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.

Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.

B. Protective equipment for essential personnel:

Mark II Surviveair 30-minute units located in the dog house and at briefing areas.

C. H₂S detection and monitoring equipment:

2 - portable H₂S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H₂S levels of 20 ppm are reached.

D. Visual warning systems:

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.

E. Mud Program:

The mud program has been designed to minimize the volume of H_2S circulated to the surface.

A mud-gas separator will be utilized.

F. Metallurgy:

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

G. Communication:

Company vehicles equipped with cellular telephone and 2-way radio.

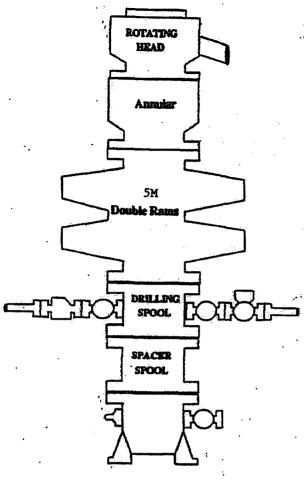
WARNING

YOU ARE ENTERING AN H₂S AREA AUTHORIZED PERSONNEL ONLY

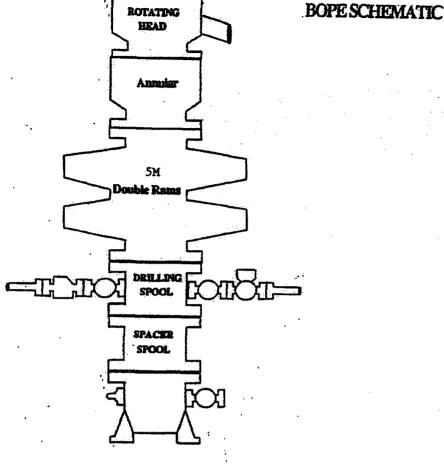
- 1. BEARDS OR CONTACT LENSES NOT ALLOWED
- 2. HARD HATS REQUIRED
- 3. SMOKING IN DESIGNATED AREAS ONLY
- 4. BE WIND CONSCIOUS AT ALL TIMES
- 5. CK WITH MARBOB FOREMAN AT MAIN OFFICE

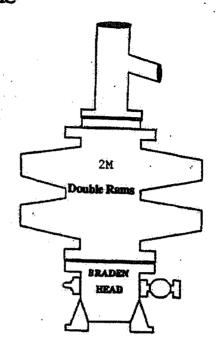
MARBOB ENERGY CORPORATION

1-505-748-3303



ONSHORE OIL AND GAS ORDER NO. 2





2M system:

—Annular preventer, or, double ram, or two rams with one being blind and one being a pipe ram *

-Kill line (2 inch minimum)
-1 kill line velve (2 inch minimum)

-1 choke line valve

-2 chokes (refer to diagram in

Attachment 1)

-Upper kelly cock valve with handle available

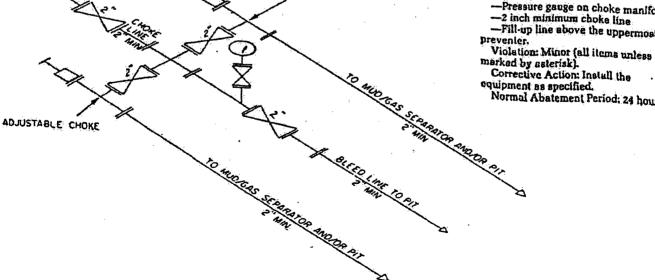
-Safety valve and subs to fit all drill strings in use

-Pressure gauge on choke manifold

-2 inch minimum choke line

-Fill-up line above the uppermost

equipment as specified. Normal Abatement Period: 24 hours.

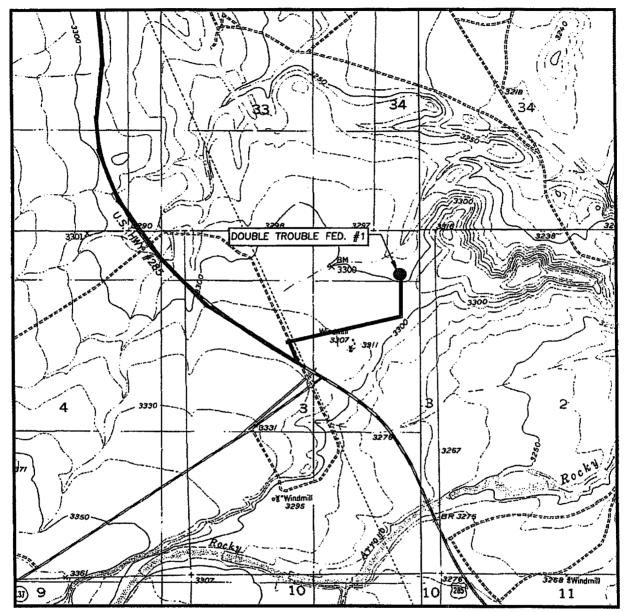


ADJUSTABLE CHOKE

2M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES

Exhibit One

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

SEC. 3 TWP. 21-S RGE. 25-E

SURVEY N.M.P.M.

COUNTY_____EDDY

DESCRIPTION 940' FNL & 791' FEL

ELEVATION 3298'

OPERATOR MARBOB ENERGY CORPORATION

LEASE DOUBLE TROUBLE FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

SEVEN RIVERS, LAKE MCMILLAN SOUTH, N.M.

CONTOUR INTERVAL: SEVEN RIVERS, N.M. - 10' LAKE MCMILLAN SOUTH, N.M. - 10'

---- Road

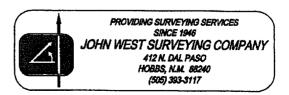
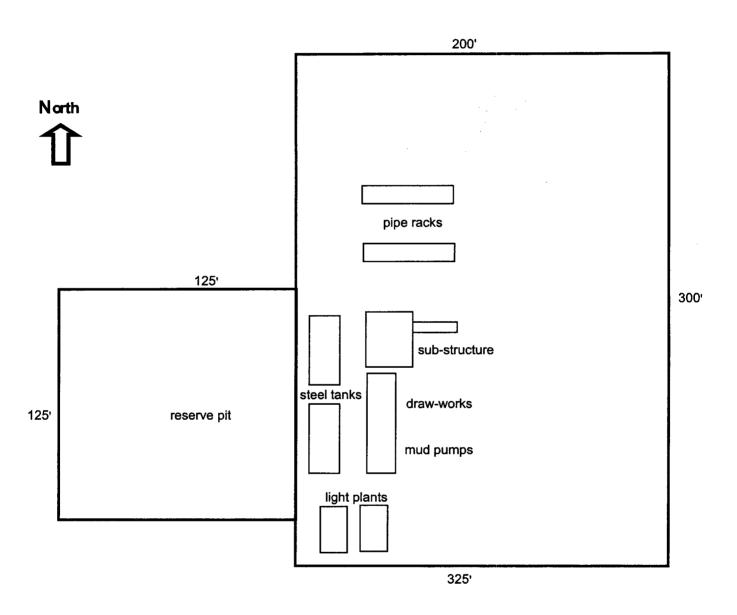


EXHIBIT TWO

Well Site Lay-Out Plat



Double Trouble Federal Com #I 940' FNL & 791' FEL Surface 660' FNL & 1980' FWL Bottom Hole Section 3-T2IS-R25E Eddy County, New Mexico

EXHIBIT THREE

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

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

Date:

October 22, 2004

Lease #:

NM-108025

Double Trouble Federal

Legal Description: Lots 3, 4, 5, 6, 11, 12, 13, 14 Sec. 3-T21S-R25E

Eddy County, New Mexico

Formation(s): Morrow

Bond Coverage: Statewide

BLM Bond File #: 585716

Land Department