Form 3160-3 (September 2081)

UNITED STATES

FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004

DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

OCD-ARTESIA

5. Lease Serial No.

LC-029395-A

APPLICATION FOR PERMIT TO DR	ILL OR F	REENTER		6. If Indian, Allotte or T	<i>(2)</i>	
la. Type of Work: DRILL REENTER		· · · · · · · · · · · · · · · · · · ·		7. If Unit or Agreeme	ent. Name and No. \$	
1b. Type of Well:	☑ s	ingle Zone	ple Zone	8. Lease Name and Well N Tony Federal #30	23629	
2. Name of Operator				9. API Well Na	00	
Marbob Energy Corporation 14049				50-015 32	3506 3 000	
3a. Address	3b. Phone N	o. (include area code)		10. Field and Pool, or Expl	Statery CCC	
P.O. Box 227, Artesia, NM 88211-0227	505-748-33	303		Cedar Lake Yeso		
4. Location of Well (Report location clearly and in accordance with a	ny State requ	irements. *)	ė.	11. Sec., T., R., M., or Blk	and Survey or Area	
At surface 1850' FNL & 2360' FEL		Subject t				
At proposed prod. zone BHL: 2290' FNL & 340' FWL		Like App		Sec 10 T179 P31E		
14. Distance in miles and direction from nearest town or post office*		27 State	·	Sec 19, T17S - R31E		
The Distance in minor and ances from mean action of the processing				Eddy County	NM	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of .	Acres in lease	17. Spacin 80	g Unit dedicated to this well		
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Propose	ed Depth	20. BLM/E	BIA Bond No. on file		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)		cimate date work will s		23. Estimated duration		
8639'	7/26/06			20 Days		
7	24. Atta	chments				
The following, completed in accordance with the requirements of Onshor	e Oil and Ga	s Order No.1, shall be at	tached to thi	s form:		
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System I SUPO shall be filed with the appropriate Forest Service Office). 	Lands, the	Item 20 above). 5. Operator certific	ation.	s unless covered by an exis	-	
25 Signature BUCOVI	1	e (Printed Typed) cy T. Bratcher		Da 6/2	te 26/06	
Title Land Department						
Approved by (Signature) /s/ Tony J. Herrell	Nam	e (Printed Typed) /s/ Tony	J. Her	Dai	JUL 3 0 200	
Title FIFI D MANAGER	Offic			IFID OFFICE		

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 APPROVAL FOR 1 YEAR operations thereon.

Conditions of approval, if any, are attached

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

*(Instructions on reverse)

TIMESS 1338" SURPACE DEMENTING

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

If earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

State of New Mexico

DISTRICT [
1626 M. PRENCE DR., BOBBS, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 66210

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505 Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION DIAT

DISTRICT IV 1820 S. ST. FRANCES DR., SANTA FR. NM 87506	WELL LOCATION AND AC	REAGE DEDICATION	PLAT	□ AMENDED	REPORT
API Number	Pool Code	Pool Name			
	96831	CEDAR	LAKE; YESO)	
Property Code	Property Name			Well Number	
23629	TONY FE	DERAL		30	
OGRID No.	0perato:			Elevation	
14041	MARBOB ENERGY	CORPORATION		3639'	

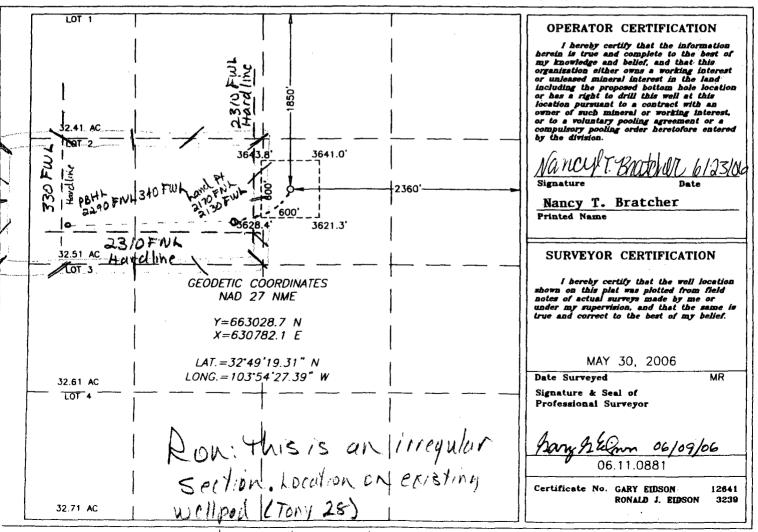
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Bast/West line	County
G	19	17-S	31-E		1850	NORTH	2360	EAST	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
E	19	17-S	31-E		2290	North	340	West	Eddy
Dedicated Acres	Joint o	r Infill	Consolidation	Code Or	der No.				
90	1	i		}					

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



MARBOB ENERGY CORPORATION DRILLING AND OPERATIONS PROGRAM

Tony Federal No. 30 1850' FNL and 2360' FEL BHL: 2290' FNL & 340' FWL Section 19-T17S-R31E 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:

Yates	1225'
Seven Rivers	1340′
Queen	2430'
Grayburg	2804′
San Andres	3134′
Glorieta	4524'

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

Yates	1225'	Water
Seven Rivers	1340'	Oil
Queen	2430'	
Grayburg	2804'	Gas
San Andres	3134′	
Glorieta	4524'	

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 300' 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 – 300′	13 3/8"	48#	H-40	
12 1/4"	0 - 1400'	8 5/8"	36#	J-55	
8 3/4"	0 - 7141'	5 1/2"	17#	J-55	

Proposed Cement Program:

13 3/8" Surface Casing:

Cement w/ 250 sx cmt. Circulate to surface.

8 5/8" Intermediate Casing: Cement w/ 800 sx cmt. Circulate to surface.

5 1/2" Production Casing:

Cement w/ 800 sx cmt. 200' above all oil & gas zones.

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 – 300′	Fresh Wtr	8.4 – 9.2	32 – 36	N.C.
300 - 1400'	Brine	9.9 - 10.2	28 – 32	N.C.
1400 - 7141'	Cut Brine	8.4 - 8.6	28 – 32	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

Tony Federal No. 30 1850' FNL and 2360' FEL BHL: 2290' FNL & 340' FWL Section 19-T17S-R31E 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 U.S. HWY #82 and Co. Rd. #221 (Skelly Rd.), go North on Skelly Rd. approx. 0.2 miles. Turn right and go East approx. 450 feet. Turn left and go North approx. 200 feet at road intersection. Turn right and go East approx. 0.2 miles. Veer right and go Southeast approx. 350 feet. Veer left and go East approx. 0.2 feet. This location is approx. 125 feet North.

2. PLANNED ACCESS ROAD:

An access road is already in place.

- A. The maximum width of the running surface will be 10'. The road will be crowned and ditched and constructed of 6" of rolled and compacted caliche. Ditches will be at 3:1 slope and 4 feet wide. Water will be diverted where necessary to avoid ponding, prevent erosion, maintain good drainage, and to be consistent with local drainage patterns. BLM may specify any additions or changes during the onsite inspection.
- B. The average grade will be less than 1%.
- C. No turnouts are planned.
- D. No culverts, cattleguard, gates, low-water crossings, or fence cuts are necessary.

- E. Surfacing material will consist of native caliche. Caliche will be obtained from the nearest BLM-approved caliche pit. Any additional materials that are required will be purchased from the dirt contractor.
- F. The proposed access road as shown in Exhibit 2 has been centerline flagged by John West Engineering.

3. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. Marbob Energy Corporation proposes a collection facility, if well is productive, to be located on Tony Federal #30 well pad.

4. 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.

5. 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.

6. 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.

7. SURFACE OWNERSHIP:

The well site and lease are located on federal surface.

8. 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.

9. 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

10. 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 filing of a false statement.

Date

Nancy T. Bratcher Land Department

Marbob Energy Corporation

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:

Choke manifold.

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

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 H₂S circulated to the surface.

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

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:

June 26, 2006

Lease #:

LC-029395-A

Tony Federal #30

Legal Description:

Section 19: SWNE

Township 17S - Range 31E Eddy County, New Mexico

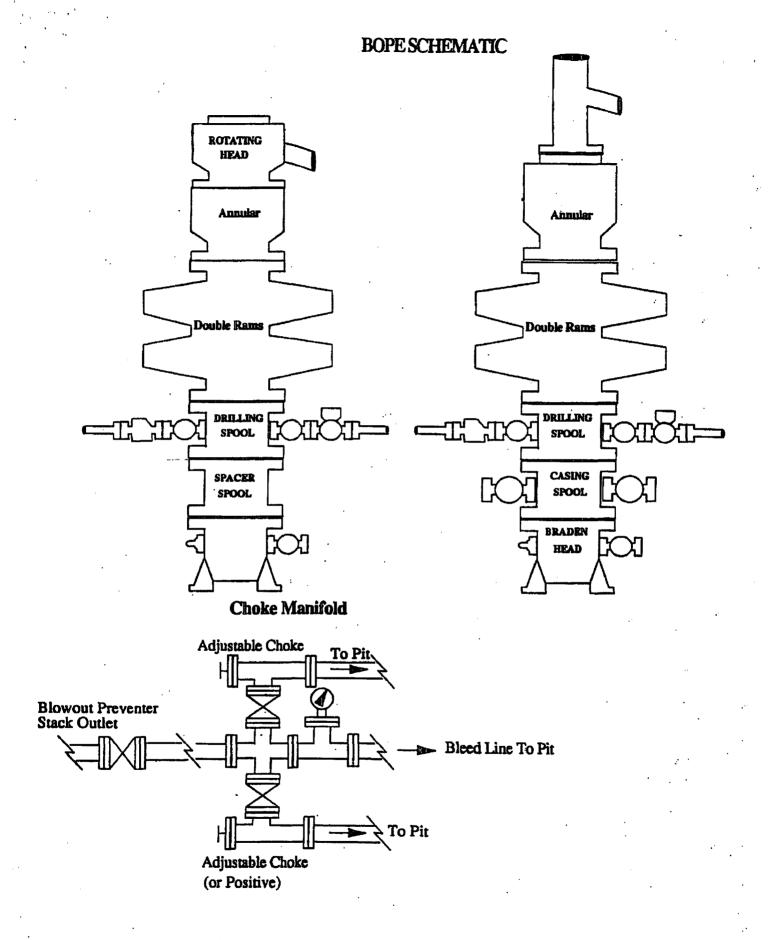
Formation(s): Morrow

Bond Coverage: Statewide

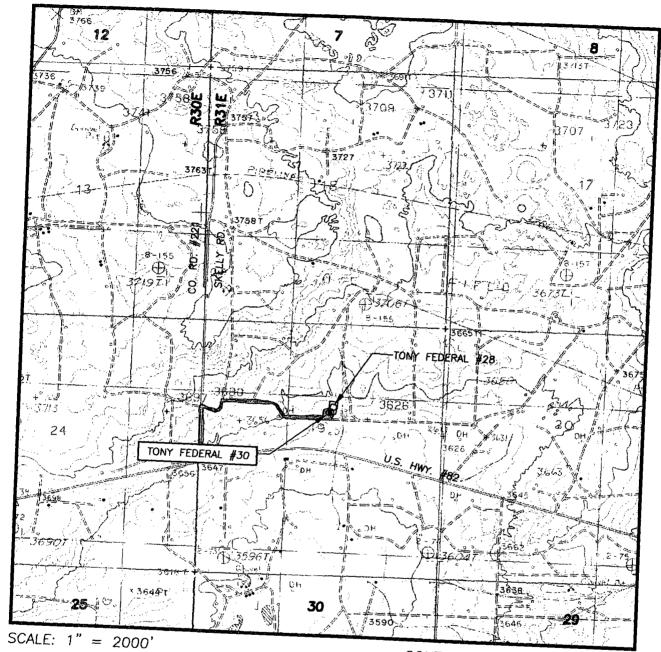
BLM Bond File #: NM 2056

Marbob Energy Corporation

Nancy T. Bratcher Land Department



LOCATION VERIFICATION MAP



CONTOUR INTERVAL: LOCO HILLS, N.M. - 10'

SEC. 19 TWP. 17—S RGE. 31—E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 1850' FNL & 2360' FEL

ELEVATION 3639'

OPERATOR CORPORATION

LEASE TONY FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

LOCO HILLS, N.M.

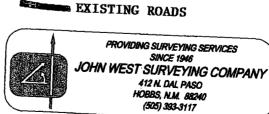


EXHIBIT "2"

CONDITIONS OF APPROVAL - DRILLING

Operator's Name: Marbob Energy Corporation

Well Name & No: Tony Federal No 030

Location: Surface 1850' FNL & 2360' FEL, Sec.19, T. 17 S., R. 31E.

Lease: NMLC 029395 Eddy County, New Mexico

Location: BHL 2290' FNL & 340' FWL, Sec. 19, T.17S., R.31E.

I. DRILLING OPERATIONS REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell, NM 88201, (505) 627-0272 for wells in Chaves and Roosevelt Counties; the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822 for wells in Eddy County; and the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612 for wells in Lea County, in sufficient time for a representative to witness:

- A. Spudding
- B. Cementing casing: 13 % inch; 8 % inch; 5 ½ inch.
- C. BOP Tests
- 2. A Hydrogen Sulfide (H2S) Drilling Plan is not required for this well bore.
- 3. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- 4. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.
- 5. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.

II. CASING:

- 1. The 13 % inch shall be set at 300 Feet with cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.
- 2. The minimum required fill of cement behind the 8 % inch Intermediate casing is to circulate to surface.
- 3. The minimum required fill of cement behind the 5 ½ inch Production casing is to place TOC at least 200 ft above any potential hydro carbon formations.

III. PRESSURE CONTROL:

1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the 13 % inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.

(III Cont):

- 2. Minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 2 M psi.
- 3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the test.
- -The test shall be done by an independent service company
- -The results of the test shall be reported to the appropriate BLM office.
- -Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures.
- -Use of drilling mud for testing is not permitted since it can mask small leaks.
- -Testing must be done in safe workman-like manner. Hard line connections shall be required.
- -Both low pressure and high pressure testing of BOPE is required.

G. Gourley RFO 07/17/2006