

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
NMLC029020C

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Premier Oil & Gas, Inc.

3a. Address  
PO Box 1246  
Artesia, NM 88211-1246

3b. Phone No. (include area code)  
972-470-0228

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
Dale H. Parke A Tract 2 #27

9. API Well No.  
30-015-31101

10. Field and Pool or Exploratory Area  
Loco Hills; Glorieta - Yeso ☒

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
330' FSL & 1650' FWL; Sec. 15-T17S-R30E

11. Country or Parish, State  
Eddy County, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input checked="" type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamatation, have been completed and the operator has determined that the site is ready for final inspection.)

Dale H. Parke A Tract 2 #27

See Attachments for Details

Accepted for record  
NMOCD *tes*  
7-31-14

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
JUL 31 2014

RECEIVED

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

Daniel Jones

Title Vice President

Signature *[Signature]*

Date 04/29/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Office

Conditions of approval, if any, are attached. Approval of this notice 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 operations thereon.

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 page 2)

**APPROVED**  
JUL 22 2014  
*[Signature]*  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

## **Dale H. Parke A Tract 2 #27 Deepening Program**

### **1. Estimated Tops of Important Geologic Markers:**

Glorieta - Yeso: 4,322' – TD

### **2. Estimated Depths of Anticipated Fresh Water, Oil, and Gas**

Glorieta - Yeso: 4,322' - TD

This deepening originates in the Yeso and will finish at the base of the Yeso. The entire Yeso group is an oil and gas bearing interval.

### **3. Casing Program**

Hole Size	Interval	OD Casing	Weight	Grade**	Jt./Condition	Burst/Collapse/Tension
4-3/4"	4860– 6350'	4"	10.46#	L-80	ULT-FJ/New	3.98/4.09/3.21 (L80)

\*\*Due to casing shortages, either L-80 or P-110 will be run. The exact grade is unknown at time of requesting permit.

NOTE: Premier Oil & Gas Inc. requests a variance to the 0.422" stand-off rule between casing and wellbore.

### **4. Cement Program**

4" liner: Class C, 140 sxs, yield 1.37. 100' minimum tie back to production casing.

Note: Premier Oil & Gas Inc. requests a variance to pressure test because the deepened well will be completed in the same zone as the current perms and the entire interval is recognized by the OCD as one interval (Yeso). Otherwise, casing program will implemented per Onshore Order No. 2 Sect III: Requirements, Part B. Casing and cementing requirements, Subpart b. with a minimum of 100 feet overlap. No test shall be required for liners that do not incorporate or need a seal mechanism.

### **5. Minimum Specifications for Pressure Control**

The BOP equipment will be a 3000 psi double ram type manually operated preventer. This equipment will be nipple up to a 8-5/8" 3K flange. The pipe rams are located above blind rams. There is no choke or kill manifold. The BOP is tested to 1000 psi prior to drilling new formation. Access to the annulus will be through the valves on the 5-1/2" casing head.

### **6. Types and Characteristics of the Proposed Mud System**

This well will be drilled from the end of the existing 5-1/2" casing to TD with fresh water.

### **7. Auxiliary Well Control and Monitoring Equipment**

A full opening drill pipe stabbing valve with proper drill pipe connections will be on the rig floor at all times.

### **8. Logging, Testing, and Coring**

A. The electric logging program will consist of Spectral Gamma Ray, Dual Spaced Neutron, Spectral Density, and Dual Laterolog will be run from TD to 5-1/2" production casing shoe.

B. No Drill Stem tests.

C. No conventional coring anticipated.

D. Further testing procedures will be determined after the 4" liner has been cemented at TD, based on drill shows and log evaluation.

### **9. Abnormal Conditions, Pressure, Temperatures, and Potential Hazards**

No abnormal pressures or temperatures are anticipated. The estimated bottomhole temperature at TD is 110 degrees and the estimated maximum bottomhole pressure is 2800 psig. The drilling starts in the Yeso and ends in the Yeso. The section of Yeso being drilled has very low permeability (less than 1 md).

### **10. Anticipated Starting Date and Duration of Operations**

There will be no road or location work required as this is an existing well location. Once commenced, drilling operations should be finished in approximately 14 days. If the well is productive, an additional 30 days will be required for completion and testing before a decision is made.

### **11. Centralizer Program**

Fixed blade stabilizer subs will be utilized in the casing string to insure adequate isolation and seal throughout the wellbore. These stabilizer subs are positive fixed blade type. These subs will actually be screwed into the casing string. A diagram of the fixed blade stabilizer sub is located at the end of this program.

The standard location of the stabilizers will be the following:

#### *Shoe Location*

Guide shoe, 1 jt casing, stabilizer sub, float collar, 1 jt casing, stabilizer sub

#### *Perf Interval Location – between perf intervals*

Stabilizer sub, 1 jt casing, stabilizer sub

#### *Top of Liner Location*

DV tool, 1 jt casing, stabilizer sub, 1 jt casing, stabilizer sub

### **12. Summary Drilling and Completion Program**

#### **Deepening Procedure**

1. MIRU rig.
2. Sqz upper Yeso with +/- 400 sx of Class C neat. Drill out squeeze.
3. PU 4-3/4" bit and drill 4-3/4" hole from 4963 – 6350'.
4. POOH w/ bit and drillstring.
5. RIH w/ logs and log from TD to 5000'
6. RIH w/ 4", 10.46# casing. See Section 11 for general centralizer program.
7. Cement casing from TD to 4860' w/ 140 sxs Class C cmt. Drop plug and open DV tool@4860'. Circ cmt off DV tool. Drop plug to close DV tool.
8. PU workstring and RIH and drill out DV tool. POOH and LD workstring.
9. RDMO rig.

## Closed Loop Operation & Maintenance Procedure

---

All drilling fluids are circulated over shakers and through steel work-over tanks.

Fines from shaker are dropped into stand by metal tank.

Additional tanks are used to capture unused drilling fluid or cement returns from casing jobs, as necessary.

At end of job, drilling fluid is disposed in a proper off location 3<sup>rd</sup> party injection well while fines are disposed of at a proper 3<sup>rd</sup> party waste disposal site.

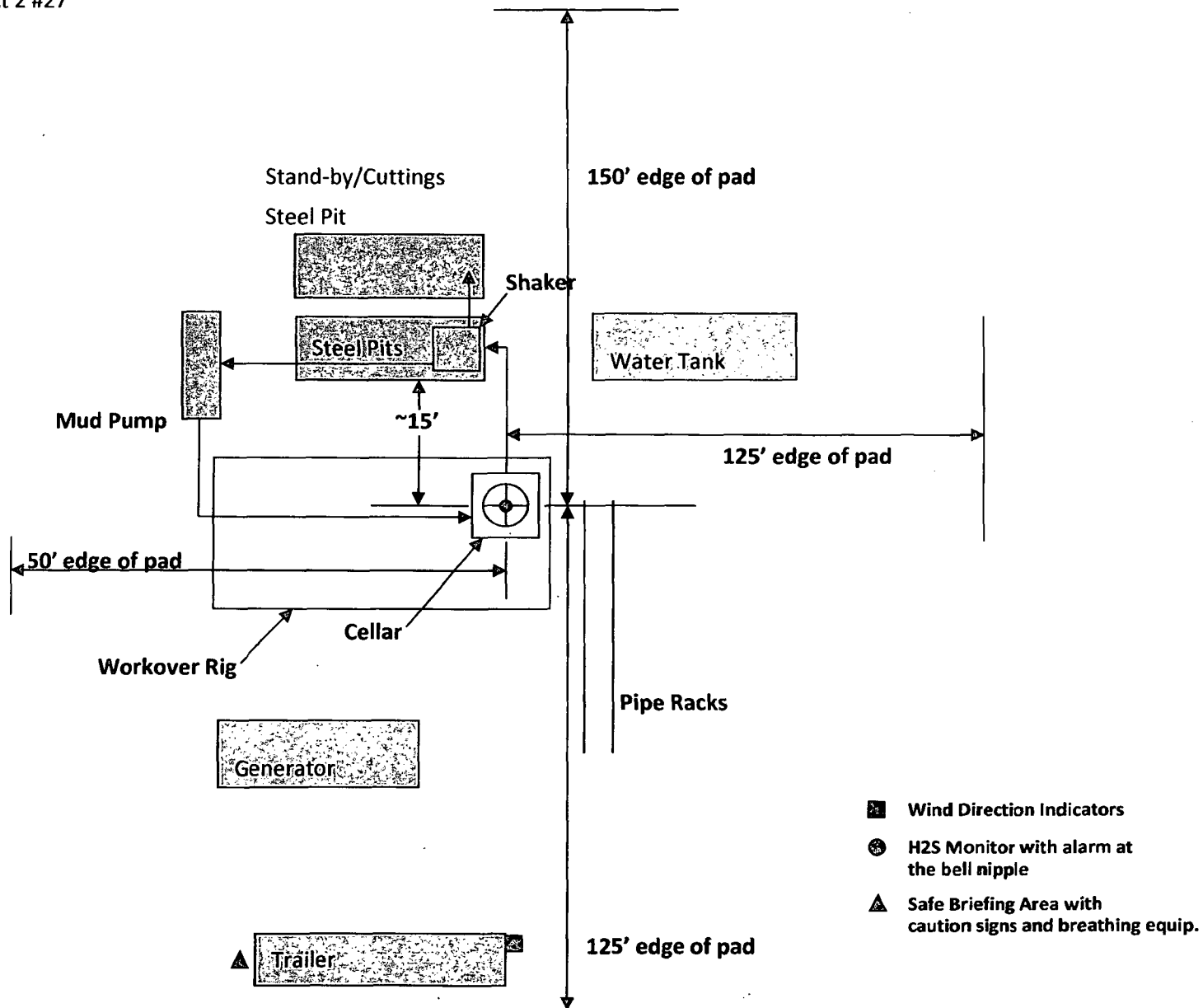
This equipment will be maintained by rig crews that are on location.

# Premier Oil & Gas Inc.

## Closed Loop Equipment Diagram

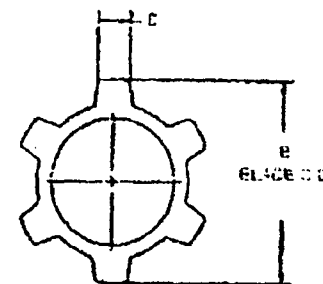
Yeso Deepening: Dale H. Parke A Tract 2 #27

North  
←



Technical drawing of a well casing and its cross-section. The side view shows a casing with a total length of 18 inches, divided into 4, 8, and 6 inch segments. It features a central hole with a diameter of 1.000 inches, a 1.000 inch wide slot, and a 1.000 inch wide flange. The cross-section shows a gear-like outer profile with a 1.000 inch outer diameter and a 1.000 inch inner diameter. The drawing is labeled with dimensions and tolerances.

SIZE	A	B	C	D	E	F	G	DRIFT
4" x 3/4" x 18"	1.050	4.750	3.347	3/4"				3303"



	$\pm 0.00$ 0.00	$\pm 0.00$ 0.00	$\pm 0.00$ 0.00					
SIZE	A	B	C	D	E	F	G	DRIFT
4" x 3/4" 116"	4.050	4.750	3.347	3/4"				3303"

STANDARD OFFICE			
1		CENTRALIZED INTERCAGING	
CLIENT			
WELL NAME & NO			
CAGING	4" R145 11.5"		
MATERIAL	4 3/4" x 3 3/4" x 18" R145		
FORM 100-100	10		

Dale H Parke A Tr 2-27

330' FSL, 1650' FWL

N - 15 - 17s - 30e

Eddy, NM

30-015-31101

Zero: 12' AGL

KB: 3687'

GL: 3675'

17 1/2"  
LC

12 1/4"

7 7/8"

13 1/8" / 48 / H40 / STC @ 436'  
450s x "C" Redmix surf 3yd

TOS:

BOS:

8 5/8" / 24 / J55 / STC @ 1227'  
450s x HLC + 200s x "C" (cive 131s x)

9101: 4404-4763' (20) 2000g 15%

HA 54,000g 40# gel + 35,000g 20% HCl

CA 5000g 15% 20 @ 1932m

4404, 35, 61, 74, 4522, 33, 37, 93, 4516, 23, 27,

4636, 44, 49, 55, 72, 76, 4711, 31, 4763

DV (none)

8 4404-4763' (20) Yeso -

5 1/2" / 17 / J55 / LTC @ 4963'

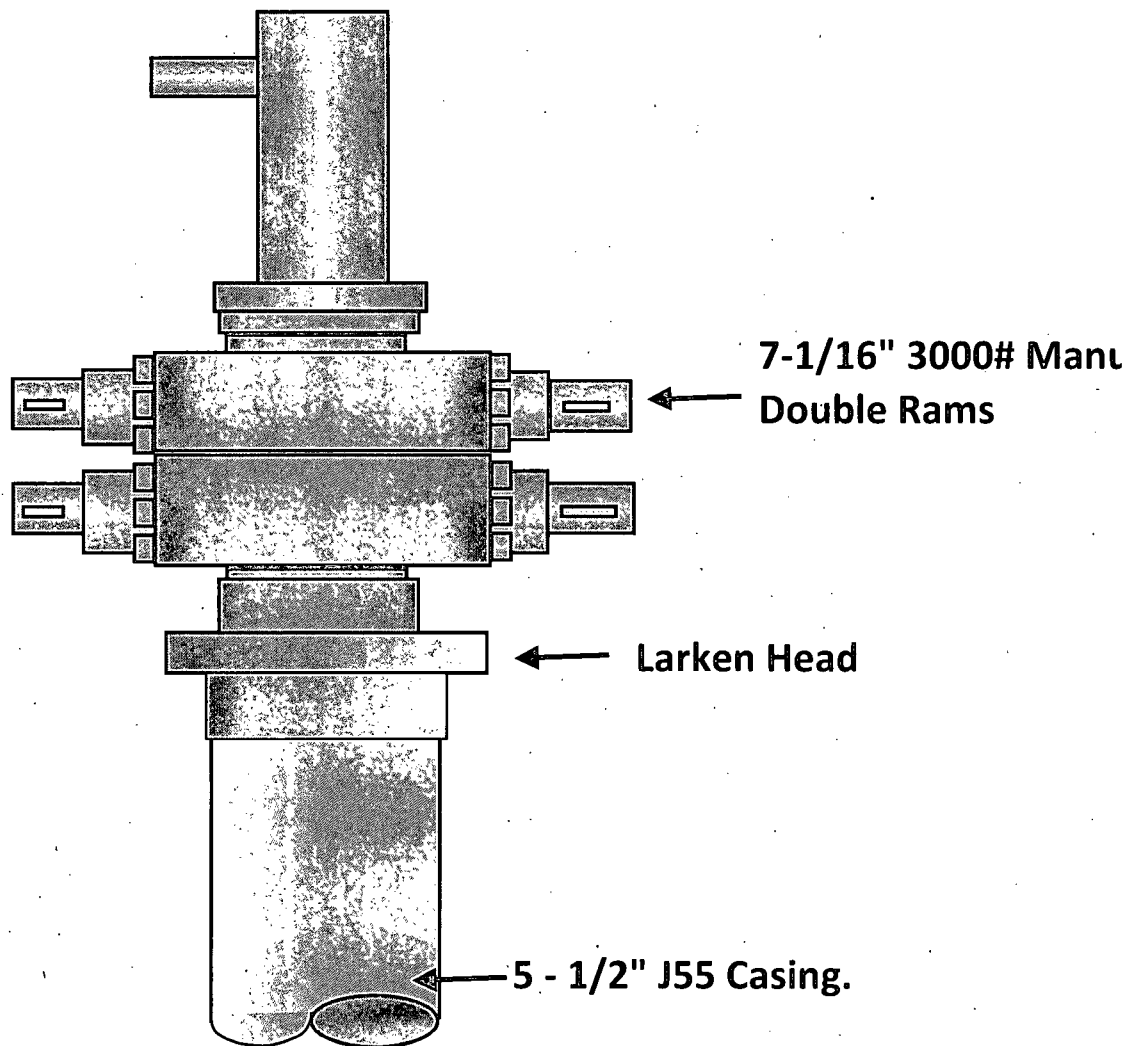
4963

1<sup>st</sup>: 850s x "C" Eoniseal + 50s x "C"  
(cive 98s x) 50s x "C" Cap

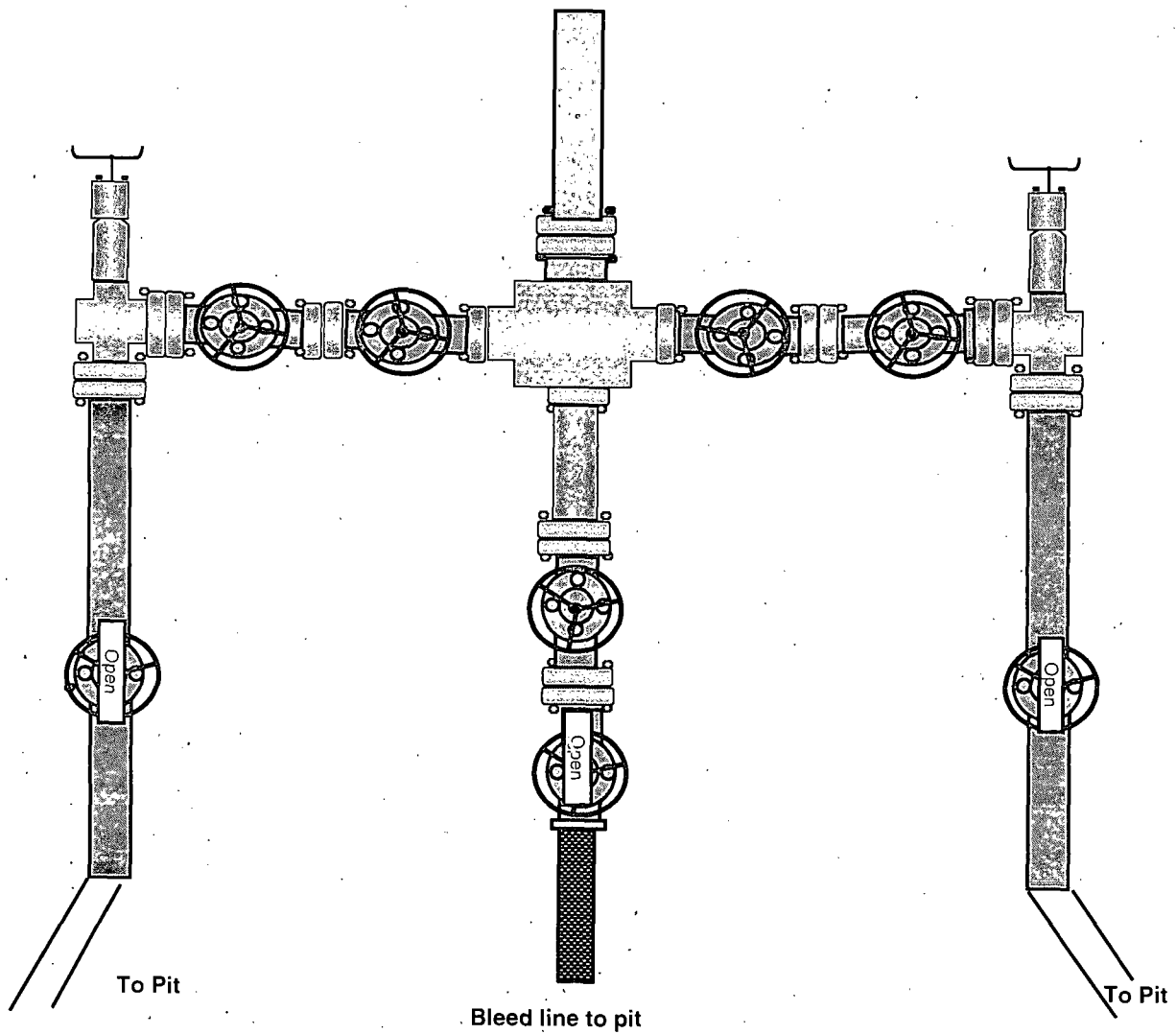
2<sup>nd</sup>: NIA

# Premier Oil & Gas, Inc.

## BOPE Schematic







**Dale H. Parke A Tract 2 #27**  
**Premier Oil & Gas Inc.**  
**30-015-31101**  
**July 21, 2014**  
**Conditions of Approval**

1. Work to be complete within 180 days.
2. Surface disturbance beyond the originally approved pad must have prior approval.
3. Closed loop system to be used.
4. H2S monitoring equipment should be onsite for personnel protection from surrounding oil operations. Operator should not encounter H2S while deepening.
5. BOP to be tested to **3,000 psi** based on BHP expected.
6. Variance for stand-off of less than 0.422" is approved due to NMOCD classifying the formations in this area as the Yeso group.
7. Variance approved for a minimum tie back of 100'. When plugged, cement plug will be required across this tie back and across squeezed perforations.
8. Variance for not testing seal also approved based on NMOCD classification of formations in this area as the Yeso group.
9. If cement does not circulate to DV tool, the appropriate BLM office is to be notified.
10. Test casing as per Onshore Order 2.III.B.1.h.
11. Subsequent sundry detailing work and current well test data are to be submitted when work is complete.

**JAM 072114**