Form 3160 -3 (February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIORS SEP 28
BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137) Expires March 31, 2007

5. Cease Serial No. NMSF 079071

BORLAGO LAND MAN	6. If Indian, Allotee or Tribe Name							
APPLICATION FOR PERMIT TO I	DRILL O	REENTER EN		51 %(	,			
1a. Type of work: DRILL deepen REENTE	7 If Unit or CA Agreement, Name and No.  Canyon Largo Unit							
lb. Type of Well: Oil Well Gas Well Other	8. Lease Name and Well No. Canyon Largo Unit #313							
2. Name of Operator Huntington Energy, L.L.C.		· · · · · · · · · · · · · · · · · · ·		9. API Well No. 30-039-22939	,			
3a. Address 6301 Waterford Blvd., Suite 400 Oklahoma City, OK 73118	6 6301 Waterford Blvd., Suite 400 Oklahoma City, OK 73118  3b. Phone No. (include area code) (405) 840-9876				10. Field and Pool, or Exploratory  Basin Dakota			
4. Location of Well (Report location clearly and in accordance with any	y State requires	nents.*)		11. Sec., T. R. M. or Bl	k. and Su	rvey or Are	a	
At surface SWNENE, 790' FNL & 790' FEL  At proposed prod. zone same	Sec 28-25N-6W							
14. Distance in miles and direction from nearest town or post office*				12. County or Parish		13. State		
12 miles NE of Lybrook				Rio Arriba		N	IM_	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) 840'	ation to nearest perty or lease line, ft.				ing Unit dedicated to this well			
(71130 to hearest ung. unit inic, it uny)				/BIA Bond No. on file				
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  3400'				3000076				
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6320' GL	22 Approximate date work will start*			23. Estimated duration				
	24. Atta	chments Nore:	£/1° J	ledrer rish wo	ا لحال	اد در مینده	4 CA	
The following, completed in accordance with the requirements of Onshor	re Oil and Gas	Order No.1, must be at	tached to th	is form:				
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> </ol>		4. Bond to cover the ltem 20 above).	ne operatio	ons unless covered by an	existing	bond on fil	e (see	
3. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).	Lands, the	5. Operator certific 6. Such other site BLM.		formation and/or plans as	may be	required by	the	
25. Signature C	Nam	c (Printed Typed)			Date		<del></del>	
(atherin South		Catherine Smith			09/	26/2006		
Title Land Associate								
Approved by (Signature) Original Signed: Stephen Mason	Nam	c (Printed/Typed)			Date S	EP 29	2006	
Title	Offic	ce						

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.

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 operations thereon.
Conditions of approval, if any, are attached.

<sup>\*(</sup>Instructions on page 2)

#### **OPERATIONS PLAN**

Well Name:

Canyon Largo Unit #313

Deepening

Location:

790' FNL, 790' FEL, NE/4 Sec 28, T-25-N, R-6-W NMPM

Rio Arriba County, NM

Formation:

Basin Dakota

Elevation:

6320' GL

6333' KB

 Formation Tops:
 Top

 Greenhorn
 6370'

 Graneros
 6432'

 Dakota
 6476'

 Morrison
 6784'

 TD
 6900'

Logging Program:

Open hole - Induction Density Neutron

Cased Hole - CBL TD to 4500'

Cores - none

Mud Program:

Air/Mist

**Existing Casing:** 

Hole Size	Depth Set	Csg. Size	Sx of Cmt
12 1/4"	217'	8 5/8"	170
7 7/8"	6019'	4 ½"	925

#### **Proposed Casing:**

7 <del>.7/8</del> "	4 <del>50</del> 0'	41/2"	923 .
3 3/4 "	6.900 T	2 3/4"	<i>15</i> 0 *

**Tubing** 

Set at 6900'

#### BOP Specifications, Wellhead and Tests:

Surface to TD -

2" nominal, 3000 psi minimum choke manifold (Reference Figure #3).

#### Completion Operations:

6" 3000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams and casing top will be tested to 3000 psi for 15 minutes.

#### Surface to Total Depth:

2" nominal, 3000 psi minimum choke manifold (Reference Figure #3).

#### Additional Information:

- The Dakota formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- The East half of the Section 28 is dedicated to this well.
- This gas is dedicated.

All of the BOP tests and drills will be recorded in the daily drilling reports.

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III

## State of New Mexico

Energy, Minerals & Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

000 Rio Brazos Rd., Aztec, NM 87410    District IV   Santa Fe, NM 87505   Santa Fe, NM 87505					Fee Lease - 3 Copies  AMENDED REPORT						
		V	VELL LO	CATION		EAGE, DEDIC					
	PI Number	-		<sup>1</sup> Pool Code 71599		070 FARMIN	Pool Nan Basin Dak	ne Kota	:		
'Property C					5 Property N				· v	Vell Number	
6886	- 324	60			Canyon Lar	go Unit			313		
'OGRID N	io.				<sup>a</sup> Operator l		_		, Elevation		
208706	208706 Huntington Energy, L.L.C.					6320' GL					
					<sup>10</sup> Surface	Location			:		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East	West line	County	
A	28	25N	6W		790	North	790	Eas	st	Rio Arriba	
			<sup>11</sup> Bo	ttom Hol	e Location If	Different Fro	m Surface		<del></del>		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East	East/West line Coun		
Dedicated Acres	<sup>13</sup> Joint o	r Infill	Consolidation	Code 15 Or	der No.		<u>l</u>				
No allowable	will be as	signed to	this comple	tion until a	ll interests have	been consolidated	i or a non-standa	rd unit h	as been a	pproved by the	

division.

16					17 OPERATOR CERTIFICATION
			i		I hereby certify that the information contained herein is true and complete to the
			i		best of my knowledge and belief, and that this organization either owns a
			790'		working interest or unleased mineral interest in the land including the proposed
		,	<u></u>		pottom hole location or has a right to drill this well at this location pursuant to
	7		7	'90' /	a contract with an owner of such a mineral or working interest, or to a
			·	1	voluntary pooling agreement or a compulsory pooling order heresofore entered
		,			by the dipision.
					areas emile
					Signature Date
					Contract Contract
		<u>/</u>			Catherine Smith Printed Name
	1			1	'
	,				÷
		1			
				]	
		28			18SURVEYOR CERTIFICATION
		20			
					I hereby certify that the well location shown on this plat was
				1	plotted from field notes of actual surveys made by me or under
				7	my supervision, and that the same is true and correct to the
		/			best of my belief.
	1				
					Date of Survey
					Signature and Seal of Professional Surveyor:
					1
				j	·
				1	<b>/</b>
	<b>1</b>				·
					Certificate Number
			<del></del>		

# **Huntington Energy, L.L.C.**

6301 Waterford Blvd., Suite 400 Oklahoma City, OK 73118 (405) 840-9876 & Fax # (405) 840-2011

## **Canyon Largo Unit #313 Procedure**

Sec. 28-25N-6W Rio Arriba Co., New Mexico GL 6320' KB 6333'

## **Surface Casing:**

85%" csg set at 217'. Cement to surface w/170 sx cmt.

## **Production Casing:**

 $4\frac{1}{2}$  10.5# set at 6019'. Cement 1<sup>st</sup> stage via shoe w/225 sx 'H', 2<sup>nd</sup> stage via stage tool at 4754 cemented w/700 sx 'H'. Circ cement to surface.

### **Gallup Perfs:**

4689-4695

4716-4724 4738-4742

4700 4700

4782-4792

4804-4810

5587-5589

5598-5600

5640-5660

5678-5694

5878-5886

5906-5916

5925-5927

5940-5960

### **Deepening Procedure:**

- 1.) MIRU WOR. ND tree NU BOP.
- 2.) TOOH w/23/8 4.7 EUE 8rd tbg. 5566' LD in singles.
- 3.) PU 3¾" bit 6-31/8 Drill & 23/8 work string. TIH to PBTD at 5960'.
- 4.) RU air unit. Est cir and drill out shoe from 5960'-6019'. Drill and dust 3% hole to total depth of  $\pm7000'$ . Blow hole dry. TOOH w/bit & BHA on 2% work string. Note: drilling operations will be conducted w/N2 and/or N2 mist.
- 5.) MIRU W/L truck. Log open hole. RD & rel W/L truck.
- 6.) PU 23/8 work string and BHA. TIH. Blow hole clean. TOOH. LD in singles.
- 7.) PU & TIH w/2% 4.7 EUE 8rd N-80 & float equip.

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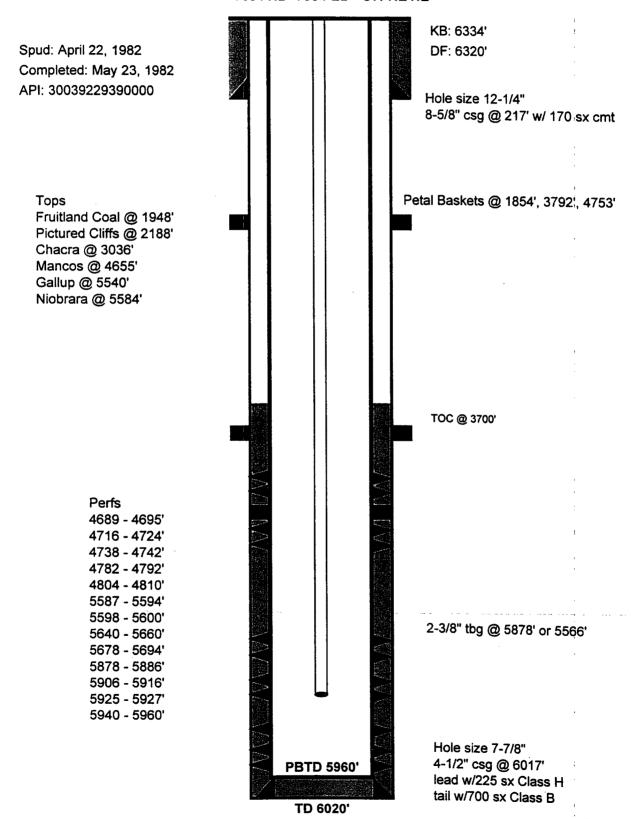
## Canyon Largo Unit #313

Sec. 28-25N-6W Rio Arriba Co., New Mexico GL 6320' KB 6333'

- 8.) MIRU pump company. Cement tubing in open hole w/recommended slurry.
- 9.) RD & rel rental equip. WOL.
- 10.) Commence completion procedure.

# Canyon Largo Unit #313

Current
Rio Arriba County, NM
28 - 25N - 6W
790 FNL 790 FEL SW NE NE



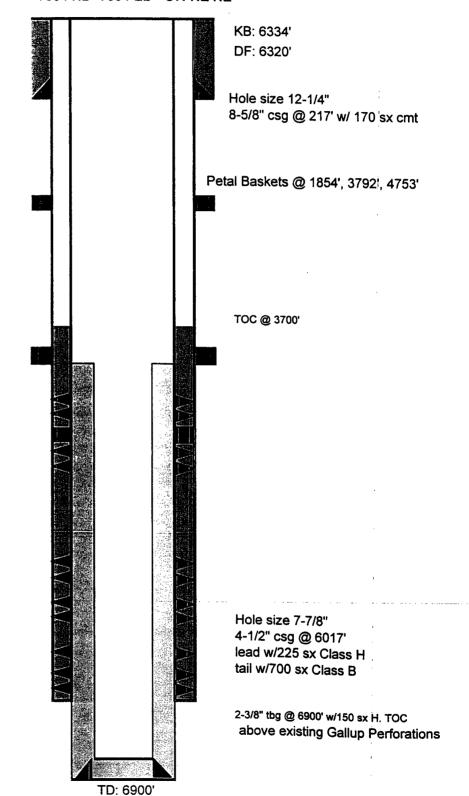
# Canyon Largo Unit #313

Proposed
Rio Arriba County, NM
28 - 25N - 6W
790 FNL 790 FEL SW NE NE

Spud: April 22, 1982 Completed: May 23, 1982 API: 30039229390000

Tops
Fruitland Coal @ 1948'
Pictured Cliffs @ 2188'
Chacra @ 3036'
Mancos @ 4655'
Gallup @ 5540'
Niobrara @ 5584'

Current Perfs
4689 - 4695'
4716 - 4724'
4738 - 4742'
4782 - 4792'
4804 - 4810'
5587 - 5594'
5598 - 5600'
5640 - 5660'
5678 - 5694'
5878 - 5886'
5906 - 5916'
5925 - 5927'
5940 - 5960'



Drilling Rig 2000 psi System

BOTATINO HEADS

ROTATINO HEADS

BOP installation from Surface Cealing Point by Total Depth. 11" Bore 10" Nominal, 2000 per sorting pressure double gate BOP to be equipped with bland rams and pipe rams. A 800 per tousing head on to ram preventiers. All BOP equipment is 2,000 pai working pressure.

Figure #1

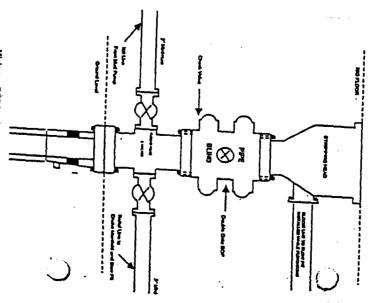
Drilling Rig Choke Manifold Configuration 2000 pel System

ADJUSTIVES ON CONTING CHOCK THE THORN STATE OF THE PROPERTY OF

Choke menthoid Installation from Surface Casing Point to Total Dapth. 2,000psi working pressure equipment with two chokes.

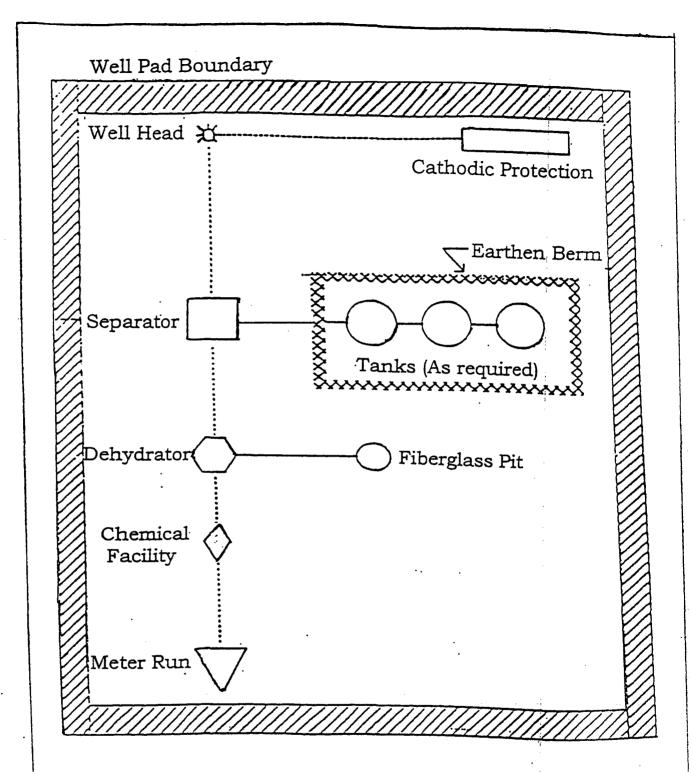
Figure #3

Completion/Workover Rig BOP Configuration 2,000 psi System



Minimum BOP installation for all Completion/Workover Operations, 7-1/16" bore, 2000 pal minimum working pressure double gate BOP to be equipped with blind and pipe rame. A siftpping head to be installed on the top of the BOP. All BOP equipment is 2000 pal working pressure or greater excluding 500 pal stripping head.

Figure #2



PLAT #1

ANTICIPATED
PRODUCTION FACILITIES
FOR A
DAKOTA WELL