

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

2005 DEC

2 PM

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

RECEIVED 078922

OTO FAR

5. Lease Serial No.
6111 Indian Allottee or Tribe Name

1a. Type of Work: DRILL REENTER

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
Huntington Energy, L.L.C.

3a. Address 6301 Waterford Blvd., Suite 400 Oklahoma City, OK 73118
3b. Phone No. (include area code) (405) 840-9876

4. Location of Well (Report location clearly and in accordance with any State requirements.)
At surface SESE 780' FSL & 845' FEL
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*
35 miles SE from Blanco, 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. Spacing Unit dedicated to this well
F/2 333.62

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.

19. Proposed Depth
7450'

20. BLM/BIA Bond No. on file
NMB000076

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
7157'

22. Approximate date work will start*

23. Estimated duration

7. If Unit or CA Agreement, Name and No.
Canyon Largo Unit

8. Lease Name and Well No.
Canyon Largo Unit 479

9. API Well No.
30-039-29714

10. Field and Pool, or Exploratory
Basin Dakota

11. Sec., T., R., M., or Blk. and Survey or Area
P Sec 4-T24N-R7W

12. County, or Parish
Rio Arriba

13. State
NM

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information or plans as may be required by the authorized officer.

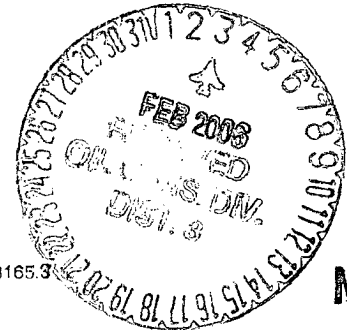
25. Signature *Catherine Smith* Name (Printed/Typed) Catherine Smith Date 11/30/05
Title Land Associate

Approved by (Signature) *[Signature]* Name (Printed/Typed) Office Date 2/1/06

Application approval does not warrant or certify the 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.

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)



DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Mineral & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-29714		*Pool Code 71599	*Pool Name Basin Dakota ✓
*Property Code 6886 32660	*Property Name CANYON LARGO UNIT ✓		*Well Number 479 ✓
*OGRID No. 208706	*Operator Name HUNTINGTON ENERGY, LLC ✓		*Elevation 7157 ✓

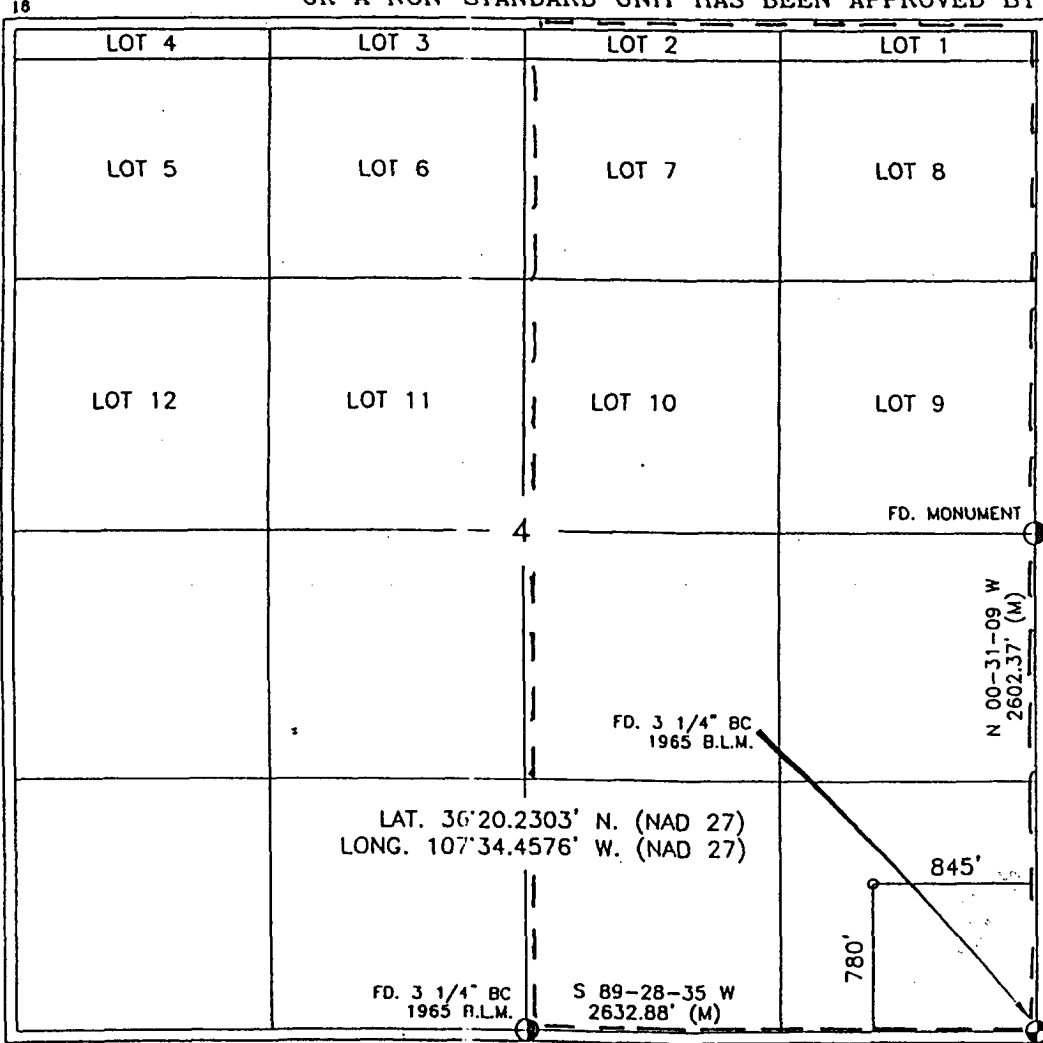
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	4	24-N	7-W		780	SOUTH	845	EAST	RIO ARRIBA

¹¹ 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 DK-E/3 333.62		*Joint or Infill		*Consolidation Code		*Order No.			

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



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Catherine Smith
Signature

Catherine Smith
Printed Name

Land Associate
Title

October 13, 2005
Date

¹⁸ SURVEYOR CERTIFICATION

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 supervision, and that the same is true and correct to the best of my belief.

SEPTEMBER 14, 2005
Date of Survey

JOHN A. VUKONICH
Signature and Seal of Professional Surveyor
NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR
14831
Certificate Number

OPERATIONS PLAN

Well Name: Canyon Largo Unit #479
Location: 780' FSL, 845' FEL, SE/4 Sec 4, T-24-N, R-7-W NMPM
 Rio Arriba County, NM
Formation: Basin Dakota
Elevation: 7157' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>RMSL</u>
Ojo Alamo	1883'	2133'	5290
Kirkland	2133'	2333'	5040
Fruitland	2333'	2653'	4840
Pictured Cliffs	2653'	2723'	4520
Lewis Shale	2723'	3015'	4450
Huerfanito	3015'	4183'	4158
Cliff House	4183'	4223'	2990
Menefee	4223'	4913'	2950
Point Lookout	4913'	5115'	2260
Mancos	5115'	5978'	2058
Gallup (Niobrara)	5978'	6868'	1195
Greenhorn	6868'	6933'	305
Graneros	6933'	6965'	240
Dakota	6965'	7306'	208
Morrison	7306'	7400'	-133
TD	7400'		

Logging Program:

Open hole logs – Platform Express
 Cased hole logs – CBL/GR – TD to 5200'
 Cores & DST's – none
 Mud log – 2300' to TD

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0 – 320'	Spud	8.4-8.9	40-50	no control
320 – 7400'	LSND	8.4-9.0	40-60	8-12

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' – 320'	8 5/8"	24.0#	WC-50
7 7/8"	0' – 7400'	4 1/2"	11.6#	N-80

Tubing Program:

0' – 7400' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to TD –

11" 3000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, ~~rams~~ and casing will be tested to 600 psi for 30 minutes. *BOK*

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).

Wellhead:

8 5/8" x 4 1/2" x 1 1/2" x 1 1/2" x 3000 psi tree assembly.

General:

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper Kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- A BOP pit level drill will be conducted weekly for each drilling crew.
- All of the BOP tests and drills will be recorded in the daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

8 5/8" surface casing –

Cement to surface w/265 sx Class "B" cement w/3% calcium chloride and 1/4#/sx cellophane flakes (312 cu. ft. of slurry, 200% excess to circulate to surface).

WOC 8 hr. prior to drilling out surface casing. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

Production Casing – 4 1/2"

Lead with 700 sx 65/35 Standard Poz w/6% gel, 1/4# Flocele, 10# Gilsonite, 3/10% Halad 9, 1/10% HR5 (1.96 yld). Tail w/900 sx 50/50 Standard Poz w/35 Gel, 9/10% Halad9, 2/10% CFR 3, 5# Gilsonite, 1/4# Flocele (1.47 yld).

Alternate Two-stage cement job as follows:

First Stage: Cement to circulate to stage tool @ 5066'. Lead with 700 sx Class "G" 50/50 poz (13#, 1.47 yd) w/3% gel, 0.25 pps Celloflake, 5 pps Gilsonite, 0.25 pps Fluid loss, 0.15% dispersant, 0.1% retarder. WOC 4 hours prior to pumping second stage. (Slurry volume: 1029 cu. ft. Excess slurry: 50%). DV Tool at 5000 ft.

Second Stage: Cement to circulate to surface. Cement with 700 sx Class "G" (12#, 2.9yd) TXI Liteweight cement w/2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Celloflake, 0.2% antifoam. WOC a minimum of 18 hours prior to cleanout. (Slurry volume: 1914 cu. ft. Excess slurry: 50%). Tail w/50 sx Class "B" w/1/4# Flocele (15.6#, 1.18 yd) (Slurry 59 cu. ft., Excess 50%).

Float shoe on bottom. Three centralizers run every other joint above shoe. Thirty-five centralizers - one every 4th joint to the base of the Ojo Alamo @ 2448'. Two turbolizing type centralizers – one below and one into the base of the Ojo Alamo @ 2448'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

Additional Information:

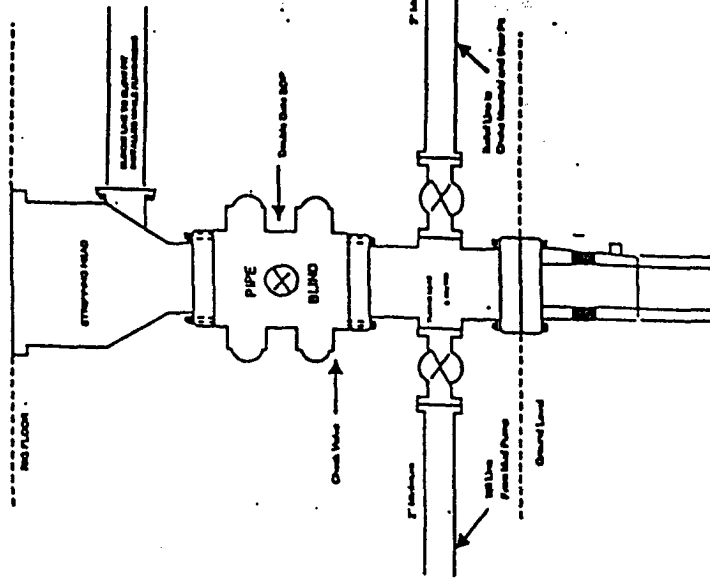
The Dakota formations will be completed.

- No abnormal temperatures or hazards are anticipated.
- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The east half of the Section 4 is dedicated to this well.
- This gas is dedicated.
- Anticipated pore pressure

Fruitland Coal	300 psi
Pictured Cliffs	500 psi
Mesa Verde	700 psi
Dakota	3000 psi

HUNTINGTON ENERGY, L.L.C.

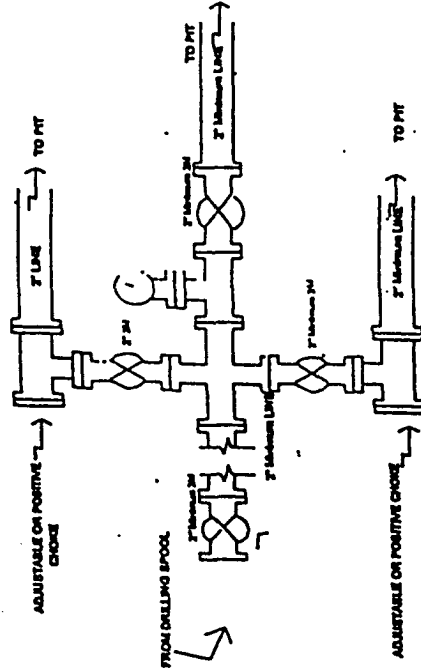
**Completion/Workover Rig
BOP Configuration
2,000 psi System**



Minimum BOP Installation for all Completion/Workover Operations. 7-1/16" bore, 2000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stopping head to be installed on the top of the BOP. All BOP equipment is 2000 psi working pressure or greater excluding 800 psi stopping head.

Figure #2

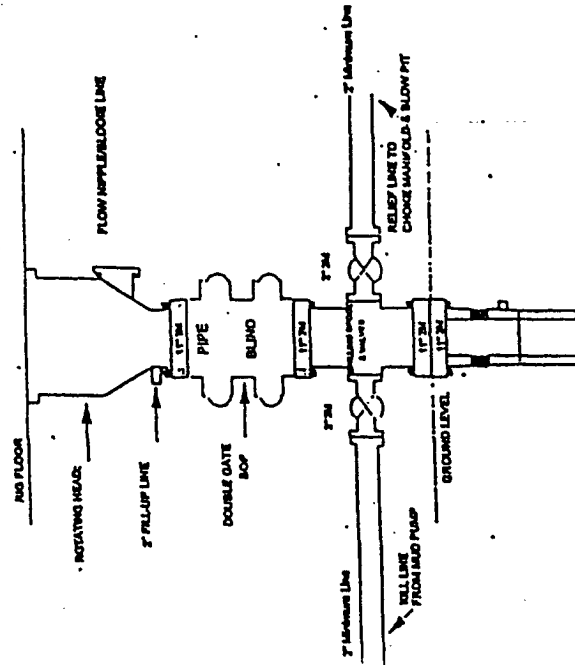
**Drilling Rig
Choke Manifold Configuration
2000 psi System**



Choke manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

**Drilling Rig
2000 psi System**



BOP Installation from Surface Casing Point to Total Depth. 11" Bore 10" Nominal, 2000 psi working pressure double gate BOP to be equipped with blind and pipe rams. A 600 psi working head on top of ram preventer. All BOP equipment is 2,000 psi working pressure.

Figure #1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

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.
NMSF 078922

6. If Indian, Allottee or Tribe Name

7. If Unit or C/A Agreement, Name and/or No.
Canyon Largo Unit

8. Well Name and No.
Canyon Largo Unit 479

9. API Well No.
30-039-29714

10. Field and Pool, or Exploratory Area
Basin Dakota

11. County or Parish, State
Rio Arriba Co., NM

SUBMIT IN TRIPPLICATE. Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Huntington Energy, L.L.C.

3a. Address **6301 Waterford Blvd., Suite 400
Oklahoma City, OK 73118**

3b. Phone No. (include area code)
(405) 840-9876

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**Sec 4-T24N-R7W
SESE 780' FSL & 845' FEL**

12. CHECK 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 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 checked="" type="checkbox"/> Other Well Pad Change
	<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 recomplete 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 BLW/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached is the new well pad, which was changed at the on-site inspection, after the Permit to Drill was filed on 11/30/05.



2006 JAN 31 AM 10 45
RECEIVED
OTO FARM/HOTSPR

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) **Catherine Smith** Title **Land Associate**

Signature *Catherine Smith* Date **1/30/06**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *[Signature]* Title **Acting AFM** Date **2/1/06**

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.

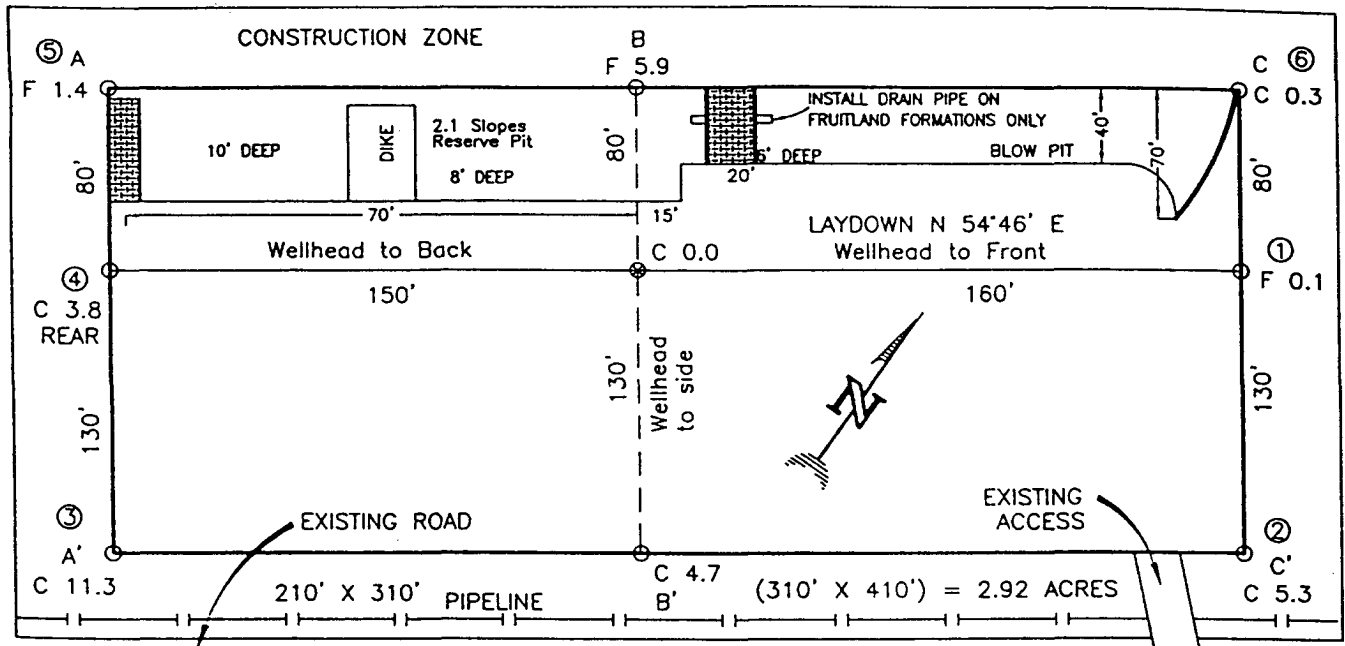
Office

Title 13 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)
gm7 1/31/06

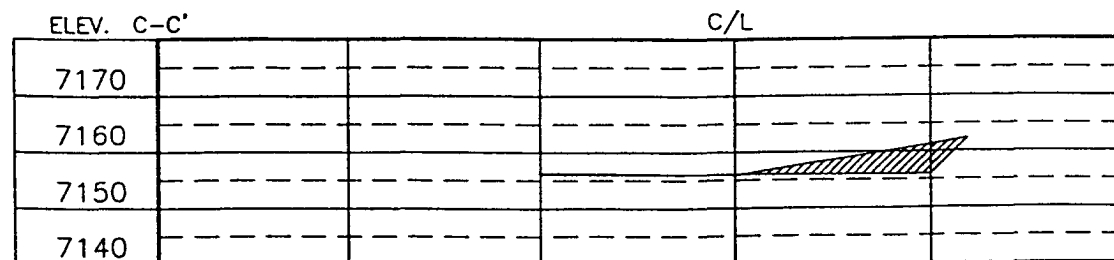
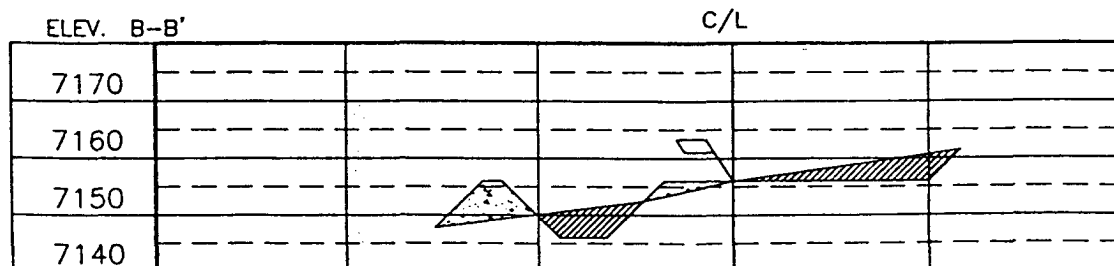
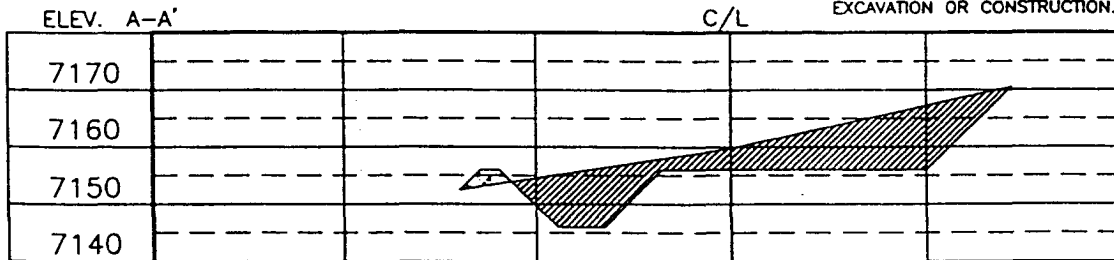
NMOC

BURLINGTON RESOURCES OIL & GAS COMPANY LP/HUNTINGTON ENERGY, LLC
CANYON LARGO UNIT NO. 479, 780 FSL 845 FEL
SECTION 4, T-24-N, R-7-W, N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO
GROUND ELEVATION: 7157, DATE: SEPTEMBER 8, 2005



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
 BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.



NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

REVISION:	DATE:	REVISION:	DATE:
CHANGE PAD SIZE	12/20/05	B.L.	09/20/05

Daggett Enterprises, Inc.
 Surveying and Oil Field Services
 P. O. Box 15088 • Farmington, NM 87401
 Phone (505) 328-1772 • Fax (505) 328-6019
 NEW MEXICO L.S. No. 14831

DRAWN BY: C.V.
 804#-HT0037