

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

¹ Operator Name and Address Huntington Energy, L.L.C. 6301 Waterford Blvd., Suite 400 Oklahoma City, OK 73118		² OGRID Number 208706	
³ Property Code 32660	⁴ Property Name CLU Unit Com	⁵ API Number 30-039-29721	⁶ Well No. 484
⁹ Proposed Pool 1 Basin Dakota		¹⁰ Proposed Pool 2	

⁷ Surface Location

UL or lot no. C	Section 9	Township 25N	Range 6W	Lot Idn	Feet from the 1260	North/South line North	Feet from the 1560	East/West line West	County Rio Arriba
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⁸ Proposed 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
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Additional Well Information

¹¹ Work Type Code NW	¹² Well Type Code G	¹³ Cable/Rotary	¹⁴ Lease Type Code Fee	¹⁵ Ground Level Elevation 6264'
¹⁶ Multiple	¹⁷ Proposed Depth 7050'	¹⁸ Formation Basin Dakota	¹⁹ Contractor	²⁰ Spud Date
Depth to Groundwater $\leq 50'$		Distance from nearest fresh water well $> 1000'$		Distance from nearest surface water $> 100'$
Pit: Liner: Synthetic ☒ 12_mils thick Clay ☐ Pit Volume: _____ bbls Drilling Method: Closed-Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	0-320'	360	Surface
7 7/8"	4 1/2"	11 6#	0-7050'	1600	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.
Proposed program attached.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Catherine Smith

Title: Land Associate

E-mail Address: csmith@huntingtonenergy.com

Date: 8/26/2006

Phone: 405-840-9876

OIL CONSERVATION DIVISION

Approved by:

Title: DEPUTY OIL & GAS INSPECTOR, DIST. 34

Approval Date:

AUG 28 2006

Expiration Date:

AUG 28 2007

Conditions of Approval Attached

☐ Pits in vulnerable area must be closed pursuant to Rule 60 and NM OCD Guidelines.

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II
1001 W. Grand Avenue, Artesia, N.M. 88210

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87504-2088

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-29721	*Pool Code 71599	*Pool Name Basin Dakota
*Property Code 32660	*Property Name CLU UNIT Com	*Well Number 484
*OGWD No. 208706	*Operator Name HUNTINGTON ENERGY, LLC	*Elevation 6264'

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
C	9	25-N	6-W		1260'	NORTH	1560'	WEST	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 320 W/2					*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.

FD 3 1/4" B.L.M. BC 1965	S 89-24-51 E 5260.3' (M)	FD 3 1/4" B.L.M. BC 1965
1560'	1260'	
S 01-19-01 E 2543.6' (M)	LAT: 36.41778° N. (NAD 83) LONG: 107.47631° W. (NAD 83)	
FD 3 1/4" B.L.M. BC 1965	9	

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land, including the proposed bottom hole location, or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

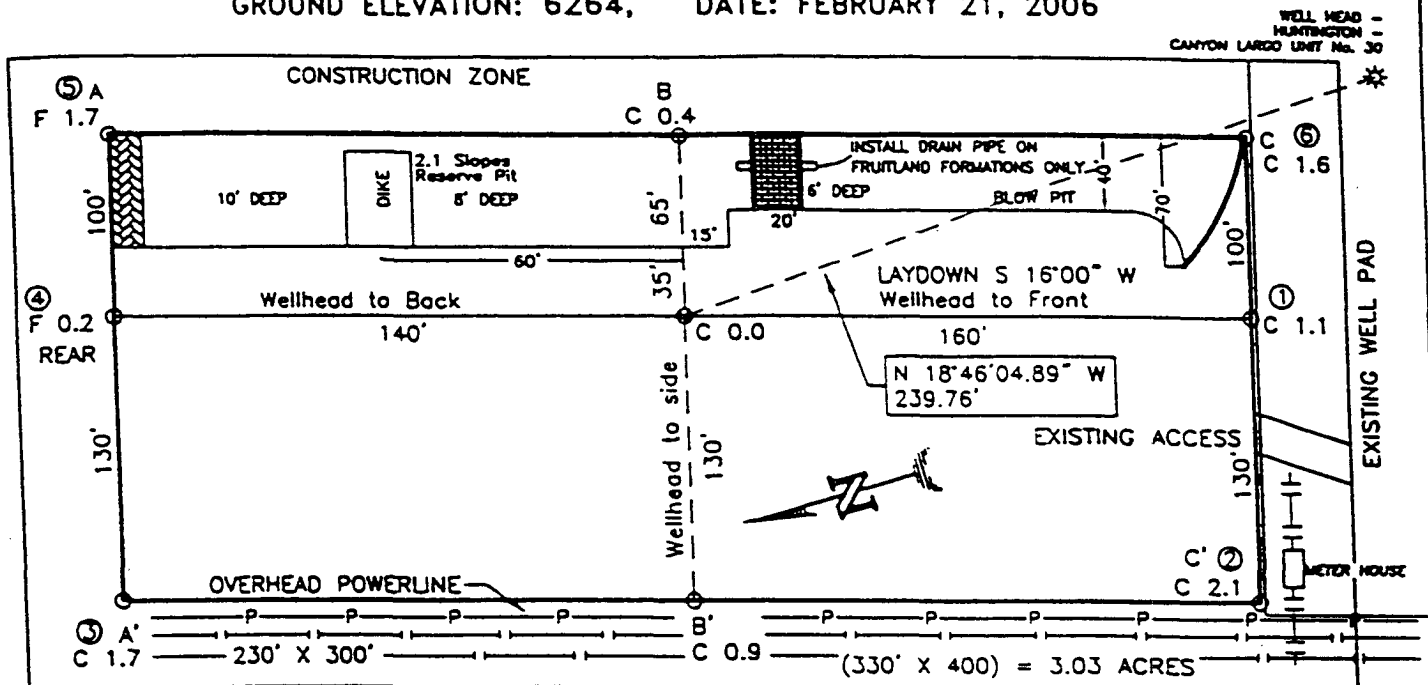
Catherine Smith 7/18/06
Signature Date
Catherine Smith
Printed Name

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.

FEBRUARY 22 2006
Date of Survey
Signature and Seal of Registered Professional Surveyor
14831
7-06
REGISTERED PROFESSIONAL SURVEYOR
Certificate Number

BURLINGTON RESOURCES OIL AND GAS COMPANY LP/HUNTINGTON ENERGY, LLC
 CANYON LARGO UNIT No. 484, 1260 FNL 1560 FWL
 SECTION 9, T-25-N, R-6-W, N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO
 GROUND ELEVATION: 6264, DATE: FEBRUARY 21, 2006



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.

ELEV. A-A'

C/L

6280					
6270					
6260					
6250					

ELEV. B-B'

C/L

6280					
6270					
6260					
6250					

ELEV. C-C'

C/L

6280					
6270					
6260					
6250					

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.

RECEIVED IN
DATE 02/28/06
BY [Signature]
WELL PAD

Daggett Enterprises, Inc.
 Surveying and Oil Field Services
 P. O. Box 15008 • Farmington, NM 87401
 Phone (505) 398-1772 • Fax (505) 398-8010
 NEW MEXICO P.L.S. No. 14831

DATE: 02/21/06
 DRAWN BY: A.C.

FROM **0+00 = 1+06.18 ON B.R.O.G. CO LP- CANYON LARGO UNIT NO. 30**
(BLK31-5-1, R/W NO. 5770826)(MC NO. 74535)

COUNTY **RIO ARriba** STATE **NEW MEXICO** SECTION **09** TOWNSHIP **25-N** RANGE **06-W, N.M.P.M.**

DWG. NO. **BLK031-026-01**

WO NO. _____

RW NO. **0570500**

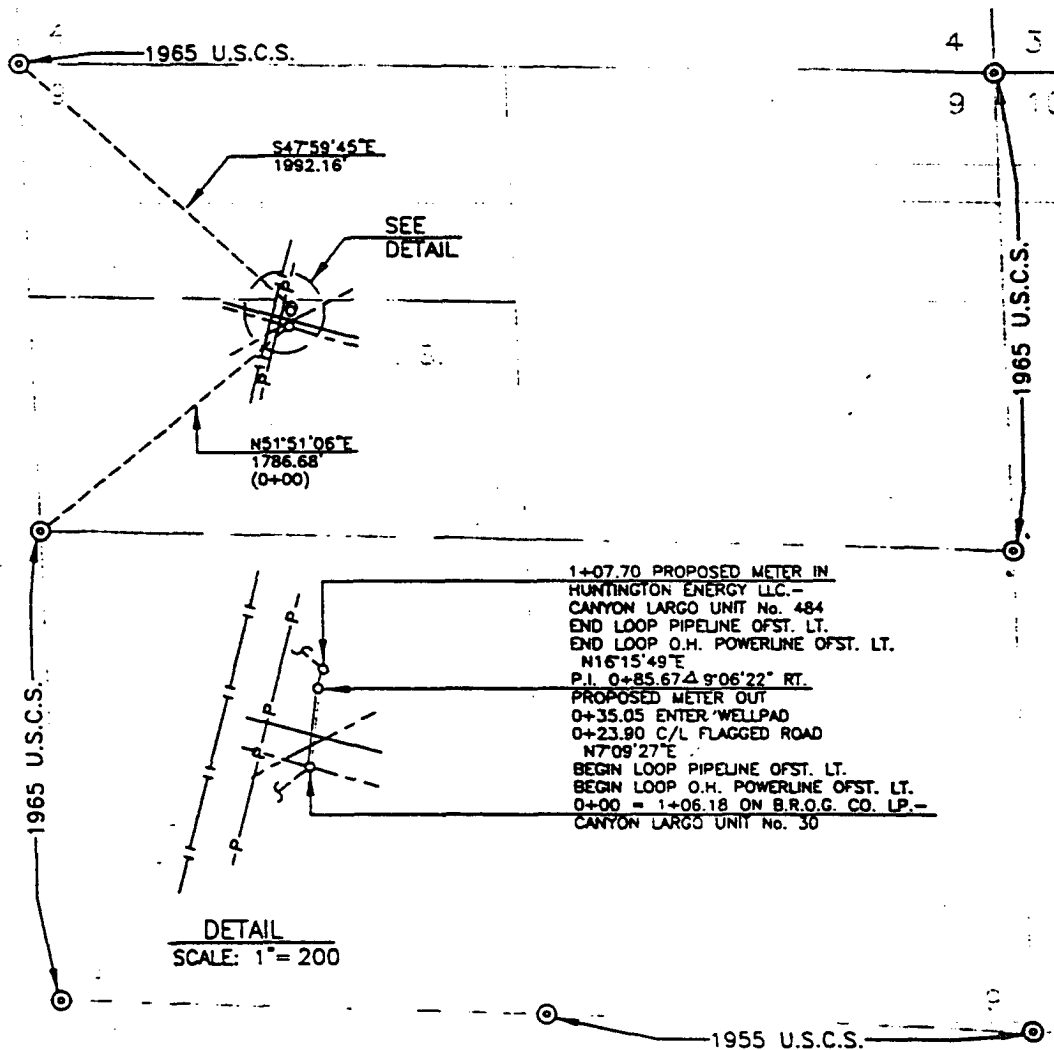
DATE **11/14/05**

SCALE **1" = 1000'**

SURVEYED **10/14/05**



T-25-N, R-06-W, N.M.P.M.
BASIS OF BEARING: GPS OBSERVATIONS



DWN. BY **TC** CONSTR. COMMENCED _____ APPL. DWG. _____ SLACK CHAIN _____
CKD. BY **MD** CONSTR. COMPLETED _____ DATE _____ PIPE SIZE **4.50" O.D.**

PRINT RECORD		PIPE DATA	METER STA. NO.
7	SU DISTIB 11/14/05		
7	SU DISTIB 04/17/06		

NOTE: WELL FLAG
RESURVEY DUE TO RELOCATION OF WELL FLAG
SURVEY ON EXISTING LOCATION
LOCATION NOT BUILT

SUBDIVISION	OWNER	LESSEE	METER(S)	RODS	ACRE(S)
SE/4 NW/4, SEC. 9	UNITED STATES	MARY BETH TRUBY		6.527	0.099

REV.	DESCRIPTION
1-	REVISED DRAWING PER LINE CHANGE NOTES DATED 04/05/06 (04/12/06/DB)

OPERATIONS PLAN

Well Name: **CLU Unit Com #484**
Location: 1260' FNL, 1560' FWL, NE/4 Sec 9, T-25-N, R-6-W NMPM
Rio Arriba County, NM
Formation: Basin Dakota
Elevation: 6264' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>
Ojo Alamo	1665'	1865'
Kirkland	1865'	20657'
Fruitland	2065'	2322'
Pictured Cliffs	2322'	2390'
Lewis Shale	2390'	2710'
Huerfanito	2710'	3920'
Cliff House	3920'	3970'
Menefee	3970'	4535'
Point Lookout	4535'	4800'
Mancos	4800'	5705'
Gallup (Niobrara)	5705'	6480'
Greenhorn	6480'	6540'
Graneros	6540'	6592'
Dakota	6592'	6920'
Morrison	6920'	7050'
TD	7050'	

Logging Program:

Open hole logs – None
Cased hole logs – RST – TD to 5600'; CBL/GR – TD to 5500'
Cores & DST's – None
Mud log – 3000' 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 – 7050'	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' – 7050'	4 1/2"	11.6#	N-80

Tubing Program:

0' – 7050'	2 3/8"	4.7#	J-55
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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.

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 west half of the Section 9 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