Form 3160-3 (February 2005)

				FORM APPROVED
7	Man	in		OMB No. 1004-0137 Expires March 31, 20
7	MAR	12	PH 2.	15

UNITED STATES DEPARTMENT OF THE		ZU7 MAR	12 P	5. Lease Serial No. NMSF 07888	2.
BUREAU OF LAND MAN	AGEMENT	RE	CEIVE		
APPLICATION FOR PERMIT TO	DRILL OF	REENIER 210 FAR	OLM MEGT	או או או או או או	A Secretary
la. Type of work: DRILL REENTE				7 If Unit or CA Agr Canyon Larg	eement, Name and No.
Ib. Type of Well: ☐ Oil Well	Sid	ngle Zone Multi	ple Zone	8. Lease Name and Canyon Larg	
2. Name of Operator Huntington Energy, L.L.C.				9. API Well No. 39	7-30039
3a. Address 6301 Waterford Blvd., Suite 400 Oklahoma City, OK 73118		. (include area code) 40-9876		10. Field and Pool, or Basin Dakota	
4. Location of Well (Report location clearly and in accordance with an	y State requirem	ents.*)		11. Sec., T. R. M. or F	Blk. and Survey or Area
At surface SWNE 2280' FNL & 1920' FEL At proposed prod. zone NWSE 1700' FSL & 1380' FEL				G Sec 18-25N-6	W .
14. Distance in miles and direction from nearest town or post office* 35 miles SE from Blanco, NM		· · · · · · · · · · · · · · · · · · ·		12. County or Parish Río Arriba	13. State NM
15. Distance from proposed* location to nearest	16. No. of a	cres in lease	17. Spacin	g Unit dedicated to this	weii
property or lease line, ft. (Also to nearest drig. unit line, if any)	1921.20		320	EL	
18. Distance from proposed location*	19. Proposed	Depth	20. BLM/I	BLA/Bond No. on file	
to nearest well, drilling, completed, applied for, on this lease, ft.	7587'	MD	NMB	000076	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6725' GR	22 Approxim	nate date work will star	rt*	23. Estimated duration	ott.
	24. Attac	hments			
The following, completed in accordance with the requirements of Onshor	e Oil and Gas	Order No.1, must be a	ttached to the	is 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 must be filed with the appropriate Forest Service Office). 	Lands, the	Item 20 above). 5. Operator certific	ation	,	existing bond on file (see
SOFO must be med with the appropriate rolest service office).		BLM.	specific fine	ormation and or plans as	may be required by the
25. Signature athering Smith	1	(Printed Typed) Catherine Smith			Date 03/09/2007
Title Land Associate		· · · · · · · · · · · · · · · · · · ·			
Approved by (Signature) Soll an beech	7	(Printed/Typed)			Date 4/17/8
Title	Office	FF	ō.		_
Application approval does not warrant or certify that the applicant holds conduct operations thereon. Conditions of approval, if any, are attached.	s legal or equit	able title to those righ	ts in the sub	ject lease which would e	entitle the applicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cr States any false, fictitious or fraudulent statements or representations as t	o any matter w	ithin its jurisdiction.	villfully to m	ake to any department o	or agency of the United
*(Instructions on page 2) Sobmit application for put permit of Sobmit application for put permit OCD form C/1U3 from to const DRILLING OPERATIONS AUTHORIZED ARE	AND PRI	JIFY AZ OR TO C	ASII	OCD 24 VG & CEI	

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

HOLD Grow run directional Europy & Botton ticke dev.

NMOCD &

H

DISTRICT 1 P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005 Instructions on back

Submit to Appropriate District Office

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

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

OIL CONSERVATION DIVISION 2007 MAR 12 PM 2: 16 AMENDED REPORT State Lease - 4 Copies Fee Lease - 3 Copies

RECEIVED

DISTRICT IV

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

WELL LOCATION AND ACREAGE DEDICATION ² Pool Code API Number 71599 Basin Dakota Well Number Property Code Property Name CANYON LARGO UNIT 489 32660 *Operator Name OGRID No ⁹ Elevation 208706 HUNTINGTON ENERGY, LLC 6725

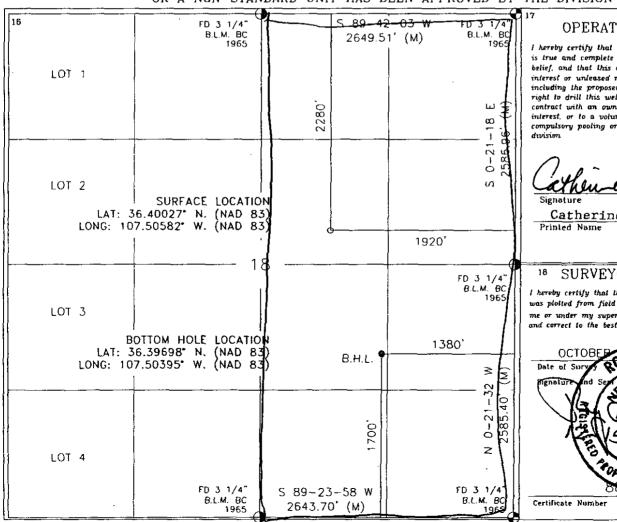
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
G	18	25-N	6-W		2280	NORTH	1920	EAST	RIO ARRIBA

"Bottom Hole Location If Different From Surface

1	UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
!	J	18	25-N	6-W		1700 ,	SOUTH	1380	DCUD ADDRAGE	RIO ARRIBA
ļ	E/2 - 3	20		¹³ Joint or	lnfil)	14 Consolidation C	ode	™Order No.	RCVD APR18'(OIL CONS. D DIST, 3	07 IV.

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



OPERATOR CERTIFICATION

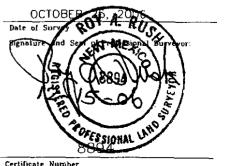
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this 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

3/7/07

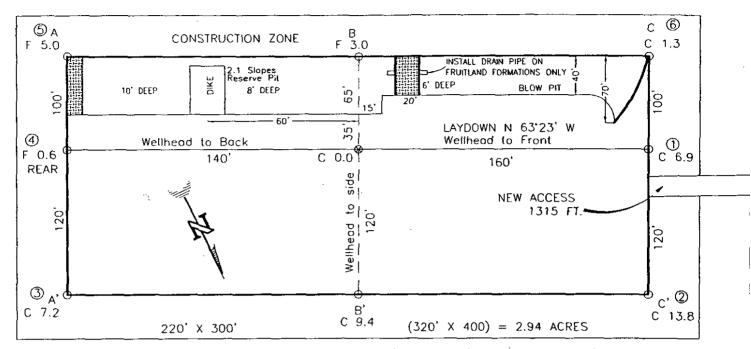
Catherine Smith

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.



HUNTINGTON ENERGY LLC CANYON LARGO UNIT NO. 489, 2280 FNL 1920 FEL SEC. 18, T-25-N, R-6-W, N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO DATE: OCTOBER 25, 2006 GROUND ELEVATION: 6725.



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 6740 6730 6720 6710 C/L ELEV. B-B' 6740 6730 Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15068 · Formington, NM 87401 Phone (505) 326-1772 · Fox (505) 326-6019 NEW MEXICO L.S. No., 8894 6720 6710 ELEV. C-C' C/L 6740 6730 6720 6710

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

OPERATIONS PLAN

Well Name:

Canyon Largo Unit #489

Location:

Surface: 2280' FNL, 1920' FEL, SWNE Sec 18, T-25-N, R-6-W NMPM

Bottom Hole: 1700' FSL, 1380' FEL, NWSE Sec 18, T-25-N-R-6-W NMPM

Rio Arriba County, NM

Formation: Elevation:

Basin Dakota 6725' GL

Formation Tops:	<u>MD</u>	<u>TVDSS</u>
Ojo Alamo	1954'	4819'
Kirkland	2212'	4572'
Fruitland	2432'	4362'
Pictured Cliffs	2705'	4101'
Lewis Shale	2801'	4009°
Huerfanito	3106'	3718'
Chacra	3591	3254'
Cliff House	4350'	2529'
Menefee	4427'	2455'
Point Lookout	5055'	1855'
Mancos	5292'	1626'
Niobrara	6226'	695'
Greenhorn	7022'	-101'
Graneros	7087'	-166'
Dakota	7132'	-211'
Morrison	7447'	-526`
TD	7587'	

Logging Program:

Mud log – 2500' to TD

Open hole logs-none

Cased hole logs - RST - TD to 5900'; CBL/GR - TD to 5800'

Cores & DST's - none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
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:

	Hole Size 12 1/4" 7 7/8"	Depth Interval TMD 0' - 320' 0' - 7587'	Csg. Size 9 5/8" 4 ½"	<u>Wt.</u> 36.0# 11.6#	<u>Grade</u> J-55 N-80
Tubing	Program:	0' – 7587'	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.

^{2&}quot; nominal, 3000 psi minimum choke manifold (Reference Figure #3).

Directional Plan:

Well will be drilled vertically to a depth of 500' then KOP (kick-off point) and drill 2°/100ft. End of build @ 1356' MD. Hold inclination angle of 17° to a measured depth of 5117'. Begin our drop from 17° to 0° at our BHL @ 5500' TVD (5688' MD). Hold 0° to our projected TD of 7400' TVD (7587' MD).

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:

9.5/8" x 4.1/2" x 2.3/8" 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:

9 5/8" surface casing –

Cement to surface w/190 sx Class "B" cement w/3% calcium chloride and ¼#/sx cellophane flakes (200 cu. ft. of slurry, 100% excess to circulate to surface).

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

77 OC VIII. prior to defining our surface salving. The salving to over per for 50 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, ¼# 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, ¼# 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 @ 1915'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2160'. 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 formation will be completed. If Dakota is non-commercial, an attempt will be made to complete in the Gallup. If successful, it will be in the Basin Mancos.
- 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 18 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 Installation: Rio Arriba County Location: New Mexico Well: Canyon Largo Unit #489 Field: Sec 18 - 25N- 6W Scale 1 inch = 250 ft East (feet) -> WELL PROFILE DATA 625 750 375 500 100 Surface 0.00 0.00 0.00 0.00 156.07 0.00 2280 FNL 1920 FEL 156 07 500.00 0.00 0.00 KOF -25 51.45 2.00 128 81 1355 58 156.0 1342.92 End of Build 1342.92 tvd; 115,91 S, 51,45 E 1233.60 -150 0.00 500.46 17 11 156 07 4938.05 -1127.55 5117.23 1318.15 -1204.B2 534 76 3.00 0.00 Target EOD 5687 62 Olo Alamo 1915 00 tvd, 276 89 S, 122 90 E -275 534.76 1318,16 -1204.82 0.00 0.00 7400.00 Kirkland 2162 00 tvd, 346 39 5, 153.75 E Fruitland 2372.00 tvd, 405.48 S, 179.97 E Scale 1 inch = 1300 ft -400 9 5/8in Casing 320.00 md, 0.00 inc. 156.07 di Pictured Cliffs 2533.00 tvd, 478.93 S, 212.57 E Lewis Shale 2725.00 tvd, 504.81 S, 224.06 E -525 KOP MD 500 650 Start 2"/100 Build Rate Huerfanito 3016.00 tvd: 586.70 S. 260 41 E MD 1356 TVD 1345 1300 S 116 E 51 Chadra 3480.00 tvd, 717.26 5, 318.36 E -775 1950 Kirkland 2212.60 md, 17 11 mc, 166.07 dl/ Fruitiend 2432 33 md, 17 11 inc. 158.07 dli -900 <- True Vertical Depth (feet) Huertanite 3106.15 md, 17.11 inc., 156.07 dir -1025 3250 Chaera 3591-65 md, 17-11 inc., 156.07 dir point Lookout 4879.00 tvd; 1110.93 S. 493 08 E -1150 Mancos 5108.00 tvd, 1167.65 S, 518.26 E Cliff House 4350:23 md, 17,11 inc, 156.07 dir Menetee 4427.65 mtl, 17.11 inc, 156.07 dir Proposed BHL 1700 KSL 1380 FEL Start of Drop 4550 S 1205 E 535 point Lookout 5055.44 md, 17:11 inc. 156.07 dir MD 5117 FVD 4938 Mancos 5292.8# md, 11.84 inc, 166.07 dir S 1128 E 500 5200 Find of Drop MD 5688 TVD 5500 S 1205 E 535 5850 Nichrara 6226 62 md, 0.00 inc. 156:07 dir 9630 Pole Rd. Oktahoma City, OK 73160 Tel: (405) 604-2969 N 6500 COIL Greenham 7022.52 md, 0.00 inc, 156.07 dir Graberos 7087:62 md, 0.00 inc, 156:07 dir Dakota 7132:62 md, 0.00 inc, 156:07 dir Proposed BHL Morrison 7447 62 md, 0.00 inc, 156.07 dir Date plotted: 8-May-2007 1700 FSL 1380 FEL S 1205 E 535 las are in feet reference Canyon Largo Unit #46 BHL 7587.62 md, 0.00 inc, 0.00 dir True Vertical Dupths are reference Rig Datum. 7800

> Rig Datum to Meen Sea Level; 0.00 ft Plot North is aligned to GRID North.

Vertical Section (feet) ->
Azimuth 156.07 with reference 0.00 N, 0.00 E from Canyon Largo Unit #489

Scale 1 inch = 1300 ft

Huntington Energy, Canyon Largo Unit #489 Rio Arriba County, Rio Arriba County Sec 18 - 25N- 6W, New Mexico

(Planned)
Wellpath: Canyon Largo Unit #489
(Planned)
Date Printed: 8-Mar-2007

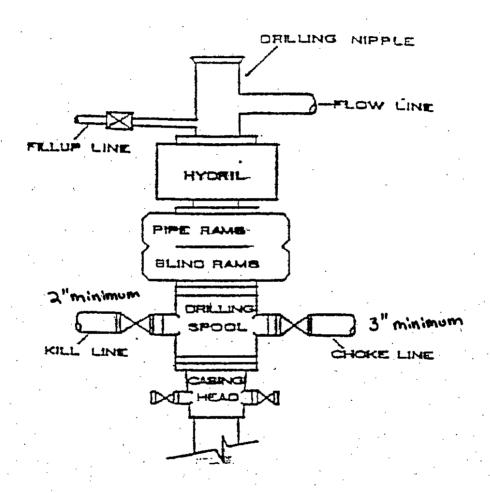
Comme	i ts			
MDMI ****	r(0)0)	geriffort the		Confinential the substitute of the second
0.00	0.00	0.00N	0.00E	
1954.16	1915.00	276.89S	122.90E	Ojo Alamo
2212.60	2162.00	346.398	153.75E	Kirkland
2432.33	2372.00	405.48\$	179.97E	Fruitland
2705.41	2633.00	478.935	212.57E	Pictured Cliffs
2801.68	2725.00	504.81\$	224.06E	Lewis Shale
3106.15	3016.00	586.70\$	260.41E	Huerfanito
3591.65	3480.00	717.26S	318.36E	Chacra
4350.23	4205.00	921.275	408.90E	Cliff House
4427.65	4279.00	942.108	418.15E	Menefee
5055.44	4879.00	1110.93\$	493.08E	pointLookout
5292.81	5108.00	1167.65\$	518.26E	Mancos
6226.62	6039.00	1204.82\$	534.76E	Niobrara
7022.62	6835.00	1204.82S	534.76E	Greenhorn
7087.62	6900.00	1204.825	534.76E	Graberos
7132.62	6945.00	1204.828	534.76E	Dakota
7447.62	7260.00	1204.82S	534.76E	Morrison

	7 7/8	0.00	0.00	0.0DN	0.00E	7587.62	7400.00	1204.828		CanyonLargo Unit#489 (Planned)
	12 1/4	0.00	0.00	0.00N	0.00E	320.00	320.00	0.00N		CanyonLargo Unit#489 (Planned)
Hole S	ectic	ns late of the low	Stan College Morros	Sian 2002 Sian 2002	Slanta (Francisco) Education (Francisco)		Endings St.	Eno significant	Ender S	Welbord Till 1 March 1997 Det 1997 December

Casings									Vellare
9 5/8in Casing	0.00	0.00	0.00N	0.00E	320.00	320.00	0.00N)	CanyonLargo Unit#489 (Planned)
4 1/2in Casing	0.00	0.00	0.00N	0.00E	7587.62	7400.00	1204.825		CanyonLargo Unit#489 (Planned)

HUNTINGTON ENERGY, L.L.C.

BOP STACK 3000 PSI



CHOKE MANIFOLD

