

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAR16'07
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 MAR -1 PM 3: 53

1a. Type of Work DRILL	5. Lease Number SF-079937 Unit Reporting Number SLM 210 FARMINGTON NM
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Turner Hughes 9. Well Number #17M
4. Location of Well Unit B (NWNE), 830' FNL & 2135' FEL, Latitude 36° 35.6715 N Longitude 107° 46.4047 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) B Sec. 10, T27N, R9W API # 30-045-34195
14. Distance in Miles from Nearest Town	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 830'	
16. Acres in Lease	17. Acres Assigned to Well DK & MV - 320 - (N/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1388' from Turner Hughes 17	
19. Proposed Depth 6775'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6135' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	<u>2-27-07</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

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

NMOCD 3/20/07

NOTIFY AZTEC OCD 24hrs
IN TIME TO WITNESS CS&C cement

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

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, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 34195	² Pool Code 72319/71599	³ Pool Name Blanco Measverde / Basin Dakota
⁴ Property Code 7614	⁵ Property Name TURNER-HUGHES	⁶ Well Number 17M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6135

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
B	10	27-N	9-W		830	NORTH	2135	EAST	SAN JUAN

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
B								RCVD MAR16'07	
¹² Dedicated Acres 320 Acres N2		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. OIL CONS. DIV. DIST. 3			

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

16

FD 2 1/2" BC 1947 GLO N 89°55'51" W 2611.16' (M) FD 2 1/2" BC 1917 GLO 830' USA SF-079937 2135' N 00°41'58" E 2597.71' (M) LAT: 36.59453° N. (NAD 83) LONG: 107.77401° W. (NAD 83) LAT: 36°35.6715' N. (NAD 27) LONG: 107°46.4047' W. (NAD 27)	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 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 division. <i>Amanda Sanchez</i> 11-1-06 Signature Date Amanda Sanchez Printed Name Regulatory Technician
	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 23, 2006 Date of Survey Signature and Seal NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 8894 Certificate Number

Office

Energy, Minerals and Natural Resources

May 27, 2004

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045-

34195

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Turner Hughes

8. Well Number

#17M

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco MV/Basin DK

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐Gas Well ☒

Other

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter B : 830' feet from the North line and 2135' feet from the East line
Section 10 Township 27N Rng 9W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6135'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

>100

Distance from nearest fresh water well

>1000

Distance from nearest surface water

Pit Liner Thickness:

N/A

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

<200
<1000

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE COMPL ☐

OTHER:

New Drill

☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING/CEMENT JOB ☐ALTERING CASING ☐P AND A ☐

OTHER:

☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Unlined:

Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and vent/flare pit will be an unlined pit as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids, and that portion will be unlined, as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE

Regulatory Technician

DATE

2/21/2007

Type or print name

Rhonda Rogers

E-mail address:

ogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

DEPUTY OIL & GAS INSPECTOR, DIST. IV

TITLE

DATE

MAR 22 2007

Conditions of Approval (if any):

BURLINGTON RESOURCES OIL & GAS COMPANY LP

TURNER-HUGHES No. 17M, 830 FNL 2135 FEL

SECTION 10, T-27-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6135, DATE: SEPTEMBER 27, 2006

NAD 83
 LAT. = 36.59453° N
 LONG. = 107.77401° W
 NAD 27
 LAT. = 36°35.6715' N
 LONG. = 107°46.4047' W

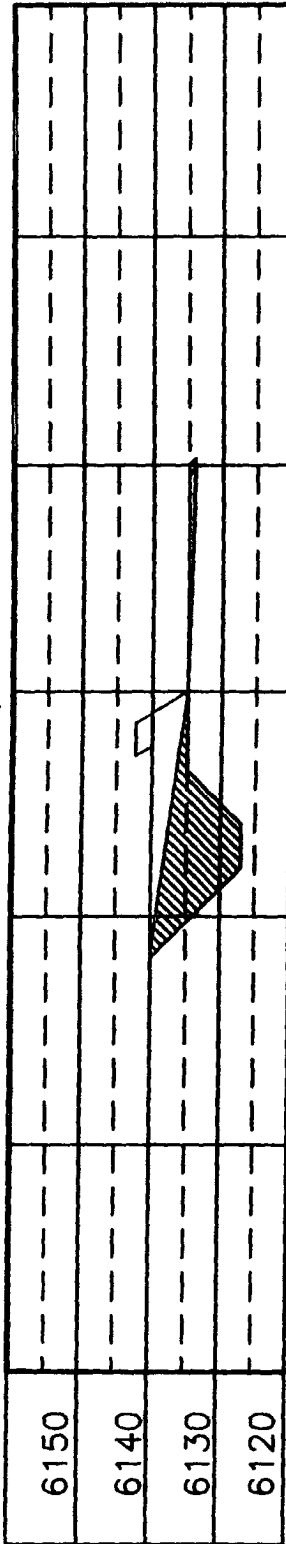
ELEV. A-A'

C/L



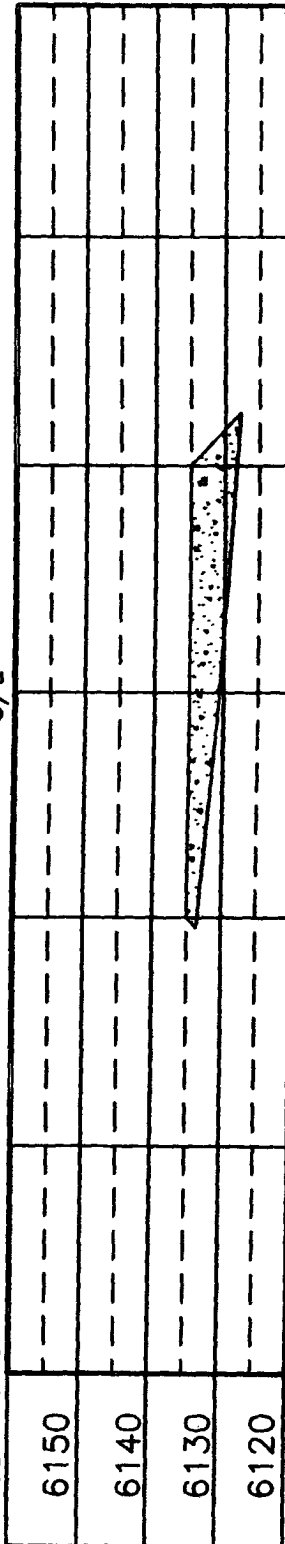
ELEV. B-B'

C/L



ELEV. C-C'

C/L



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.



Daggett Enterprises, Inc.
 Surveying and Oil Field Services
 P. O. Box 15088 • Farmington, NM 87401
 Phone (505) 326-1772 • Fax (505) 326-6019
 NEW MEXICO L.S. 8894

REVISION	DATE	REVISION	DATE

OWNER: BUREAU OF LAND MANAGEMENT

DATE: 10/27/06

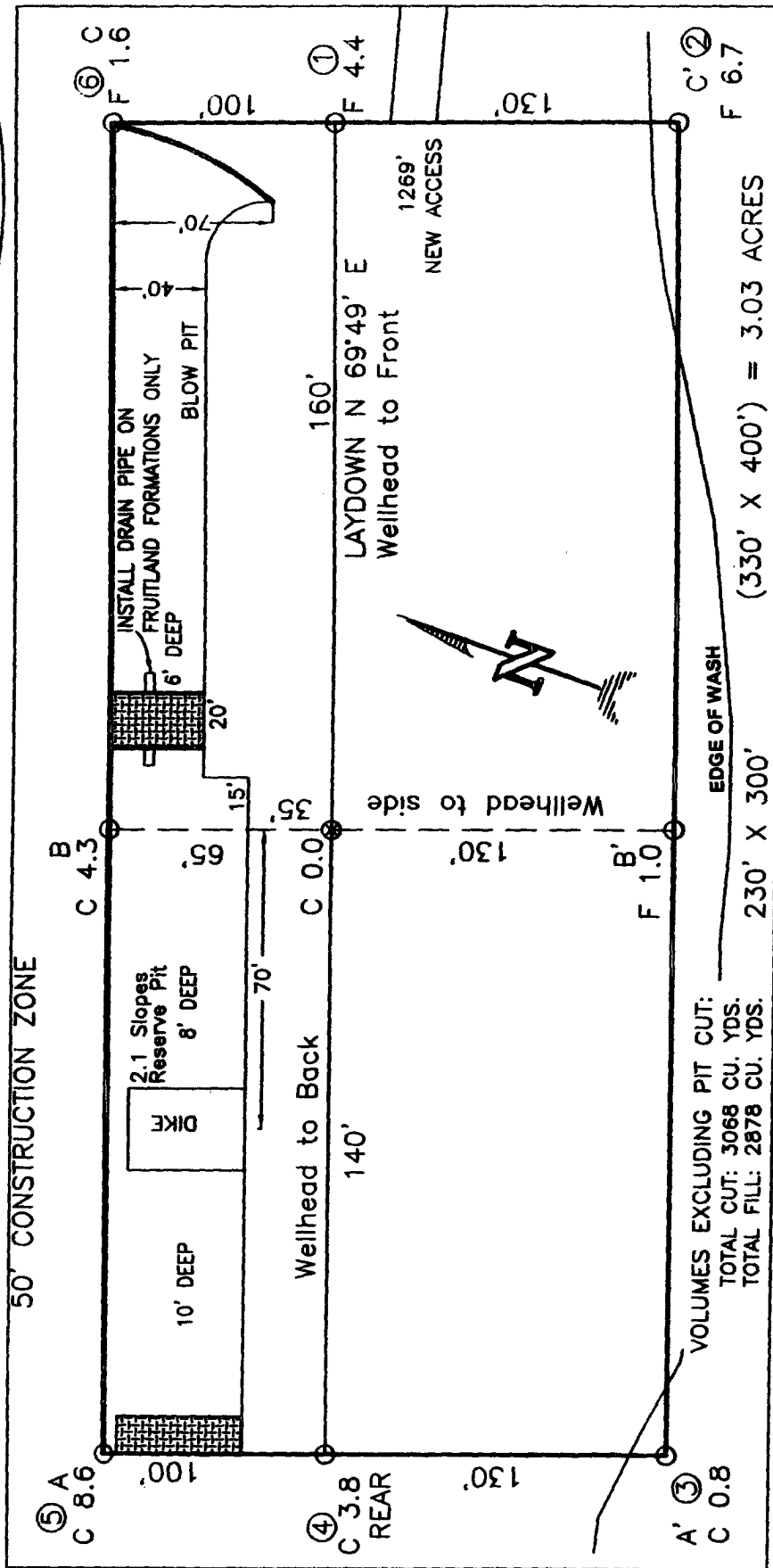
BURLINGTON RESOURCES OIL & GAS COMPANY LP

TURNER-HUGHES No. 17M, 830 FNL 2135 FEL

SECTION 10, T-27-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6135, DATE: SEPTEMBER 27, 2006

NAD 83
LAT. = 36.59453° N
LONG. = 107.77401° W
NAD 27
LAT. = 36°35.6715' N
LONG. = 107°46.4047' W



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.

NOTE: ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN



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Surveying and Oil Field Services
P. O. Box 15088 • Farmington, NM 87401
Phone (505) 326-1772 • Fax (505) 326-6019
NEW MEXICO L.S. 8894

DATE: 10/23/06
DRAWN BY: A.G.
CHECKED BY: B.R.500

PROJECT PROPOSAL - New Drill / Sidetrack

TURNER HUGHES 17M

Lease:		AFE #: WAN.ZA27961/7962MV		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 730		State: NM County: SAN JUAN	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer: Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: 832-486-2275		Proj. Field Lead: Phone:	

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.594522	Longitude: -107.773395	X:	Y:	Section: 10	Range: 009W
Footage X: 2135 FEL	Footage Y: 830 FNL	Elevation: 6135 (FT)	Township: 027N		
Tolerance:					

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6147 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	216	5931	☐			12-1/4" Hole. 9-5/8" 32.3 ppf H-40, STC casing, Cement with 171 cuft. Circulate cement to surface.
OJAM	1270	4877	☐			Possible water flows.
KRLD	1380	4767	☐			
FRLD	1950	4197	☐			Possible gas.
PCCF	2174	3973	☐			
LEWS	2449	3698	☐			
HURF	2674	3473	☐			
CHRA	3090	3057	☐			
CLFH	3738	2409	☐	500		Gas; possibly wet
MENF	3810	2337	☐			Gas.
Intermediate Casing	3960	2187	☐			8-3/4" Hole. 7" 20 ppf J-55 STC casing. Cement with 891 cuft. Circulate cement to surface.
PTLK	4460	1687	☐			Gas.
MNCS	4807	1340	☐			
GLLP	5657	490	☐			Gas. Possibly wet.
GRHN	6435	-288	☐	1700		Gas possible, highly fractured
GRRS	6495	-348	☐			
PAGUATE	6605	-458	☐			Gas
CBRL	6665	-518	☐			Gas
ENCINAL	6755	-608	☐			
TD	6775	-628	☐	1800		6-1/4" Hole. 4-1/2", 10.5 ppf J-55 STC casing. Cement with 387 cuft. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Turner_Hughes 17	NE 10_27N_9W
Production	Christeen Hughes #2	SW 3_27N_9W

PROJECT PROPOSAL - New Drill / Sidetrack

TURNER HUGHES 17M

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR_CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DK 27N09W10NE2 and MVNM027N009W10NE2 TD 20 ft. below ENCN. Est Bottom Perf 6765' in upper ENCN sd.

Zones - DK 27N09W10NE2 and MVNM027N009W10NE2

General/Work Description - NO LEWIS