

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 MAR -1 PM 3:49

RECEIVED
BLM
210 FARMINGTON NM

1a. Type of Work DRILL	5. Lease Number USA SF-078716-A Unit Reporting Number
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 Hubbell 9. Well Number #3P
4. Location of Well Unit I (NESE), 2175' FSL & 660' FEL, Latitude 36° 43.4904 N Longitude 107° 55.0991 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 18, T29N, R10W API # 30-045-34196
14. Distance in Miles from Nearest Town 3 miles/Bloomfield	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'	
16. Acres in Lease	17. Acres Assigned to Well DK & MV - 320.85 - (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg. Compl, or Applied for on this Lease 1040' Energen Hubbell #16	
19. Proposed Depth 6747'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5812' GL	22. Approx. Date Work will Start RCVD JUN20'07
23. Proposed Casing and Cementing Program See Operations Plan attached	OIL CONS. DIV. DIST. 3
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	2-28-07 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".

6-28-07
BH NMOCD
b

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

☐ AMENDED REPORT

JASON C. EDWARDS
Certificate Number 15269

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.	30-045-34196
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	SF-078716-A
7. Lease Name or Unit Agreement Name	Hubbell
8. Well Number	3P
9. OGRID Number	14538
10. Pool name or Wildcat	Blanco Mesaverde / Basin Dakota

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 I : 2175' feet from the South line and 660' feet from the East line
Section 18 Township 29N Rng 10W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
5812'

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 >1000'

Pit Liner Thickness: N/A mil Below-Grade Tank: Volume bbls; Construction Material

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

NOTICE OF INTENTION TO:

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

OTHER: New Drill ☒

SUBSEQUENT REPORT OF:

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

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, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit, vent/flare pit and pre-set mud pit will be unlined pits 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 Rhonda Rogers TITLE Regulatory Technician DATE 2/28/2007

Type or print name Rhonda Rogers E-mail address: rogers@br-inc.com Telephone No. 505-326-9701

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE JUN 28 2007

Conditions of Approval (if any):

~ SURFACE OWNER ~

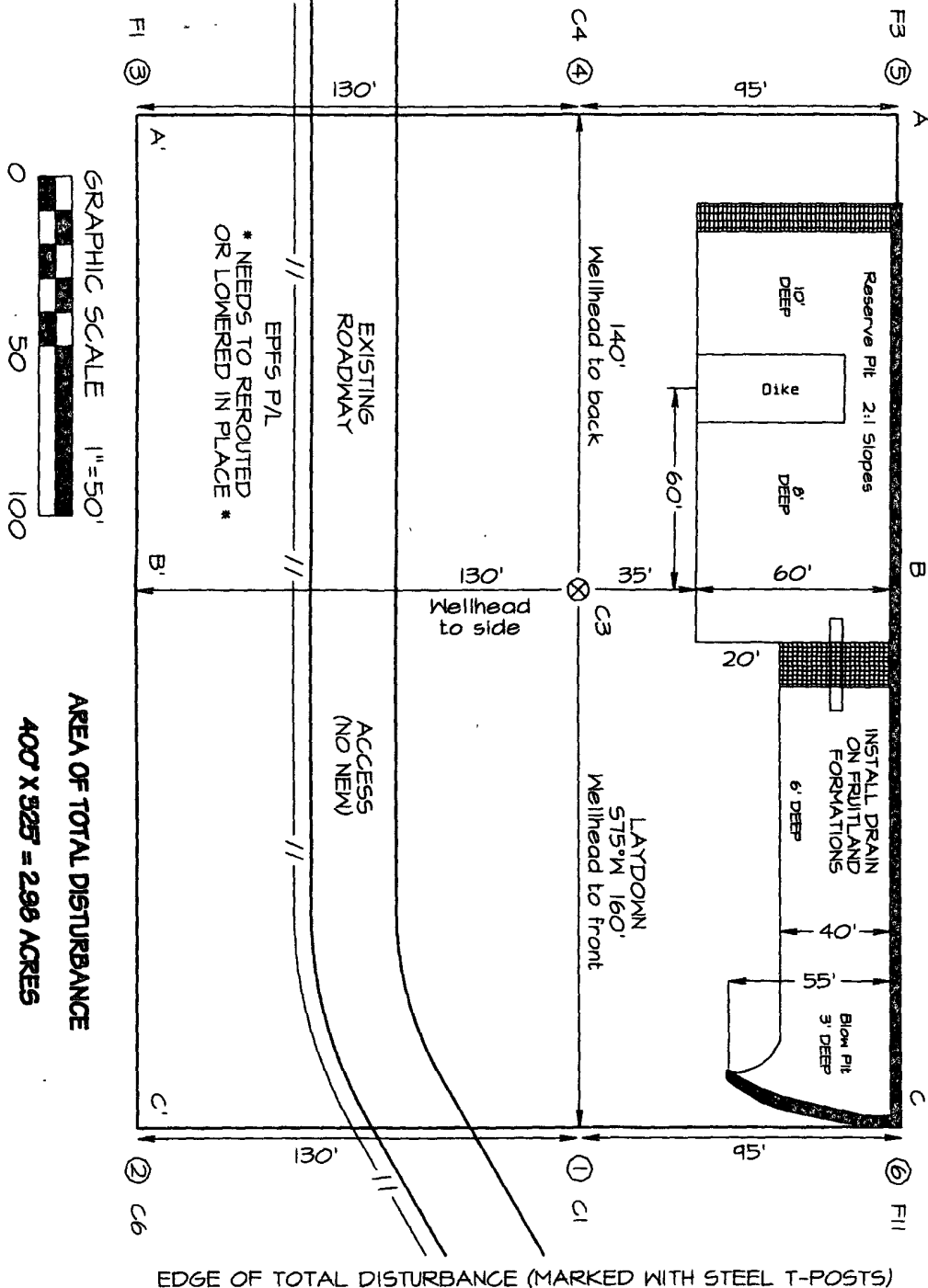
Bureau of Land Management

LATITUDE: 36°43.4804'N
LONGITUDE: 107°55.0991'W
DATUM: NAD1927



**BURLINGTON RESOURCES OIL & GAS COMPANY HUBBELL #3P
2175' FSL & 660' FEL, SECTION 18, T29N, R10W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5812'**

EDGE OF TOTAL DISTURBANCE (MARKED WITH STEEL T-POSTS)



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

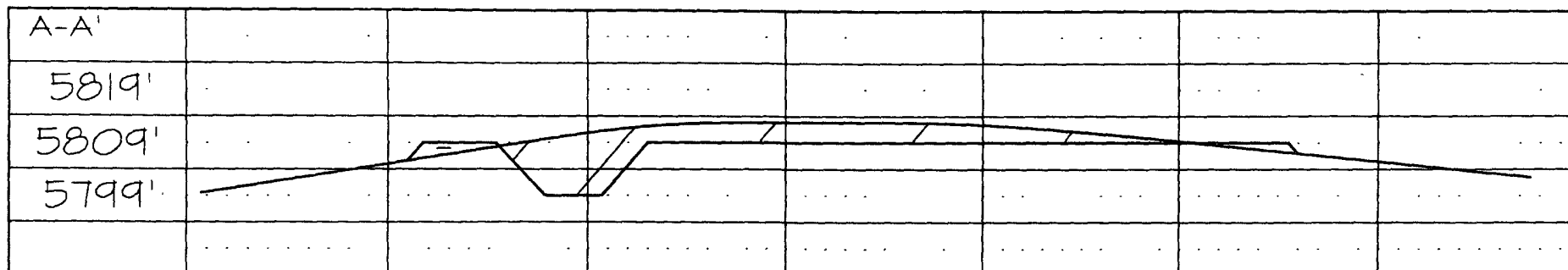
CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY HUBBELL #3P
2175' FSL & 660' FEL, SECTION 18, T29N, R10W, NMPM
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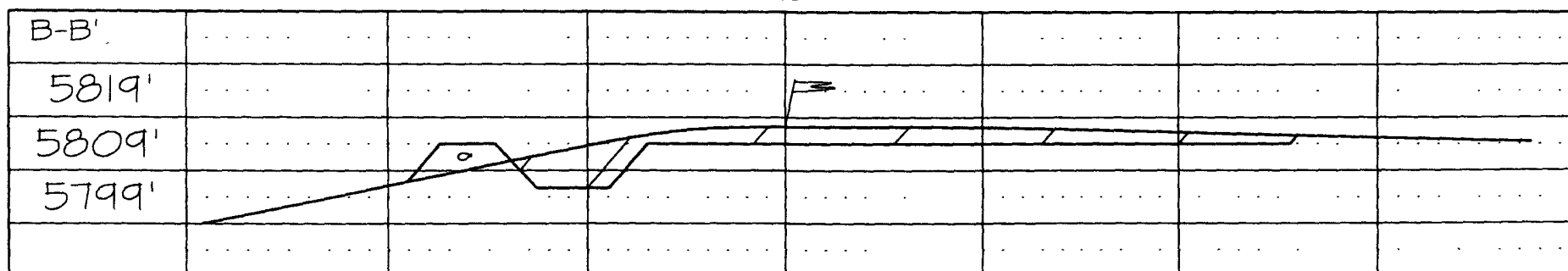
HORIZONTAL SCALE 1"=40'

C/L

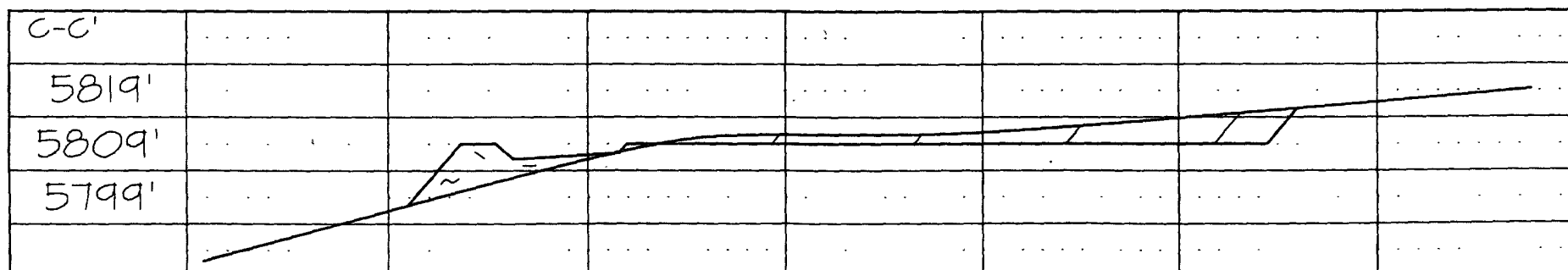
VERTICAL SCALE 1"=30'



C/L



C/L



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUBBELL 3P

Lease:		AFE #: WAN.CDR.7063		AFE \$:	
Field Name: hBR_SAN JUAN	Rig: Bearcat Rig 4	State: NM	County: SAN JUAN	API #:	
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
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.724840	Longitude: -107.918318	X:	Y:	Section: 18	Range: 010W
Footage X: 660 FEL	Footage Y: 2175 FSL	Elevation: 5812	(FT)	Township: 029N	
Tolerance:					

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 5824	Units = FT		

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	5608	<input type="checkbox"/>			12-1/4" hole. 9-5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cu. ft. Circulate cement to surface.
OJO ALAMO	926	4898	<input type="checkbox"/>			Possible water
KIRTLAND	1019	4805	<input type="checkbox"/>			
FRUITLAND	1831	3993	<input type="checkbox"/>			Gas
PICTURED CLIFFS	2119	3705	<input type="checkbox"/>			Gas
LEWIS	2289	3535	<input type="checkbox"/>			
HUERFANITO BENTONITE	2746	3078	<input type="checkbox"/>			
CHACRA	3114	2710	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	3694	2130	<input type="checkbox"/>			Gas
MENEFEE	3816	2008	<input type="checkbox"/>			Gas
Intermediate Casing	3966	1858	<input type="checkbox"/>			8-3/4" hole. 7", 20/23 ppf, J-55 STC/LTC casing. Cement with 893 cu. ft. Circulate cement to surface.
MASSIVE POINT LOOKOUT	4441	1383	<input type="checkbox"/>			Gas
MANCOS	4831	993	<input type="checkbox"/>			
UPPER GALLUP	5675	149	<input type="checkbox"/>			
GREENHORN	6429	-605	<input type="checkbox"/>			
GRANEROS	6487	-663	<input type="checkbox"/>			
TWO WELLS	6551	-727	<input type="checkbox"/>			Gas
PAGUATE	6599	-775	<input type="checkbox"/>			Gas
CUBERO	6659	-835	<input type="checkbox"/>			Gas
ENCINAL	6714	-890	<input type="checkbox"/>			Gas
Total Depth	6747	-923	<input type="checkbox"/>	1000		6-1/4" hole. 4-1/2", 10.5 ppf, J-55, STC casing. Cement with 383 cu. ft. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs.

Reference Wells:

Reference Type	Well Name	Comments
Production	Hubbell 5 (17-1) SW17-29N-10W	
Production	Hubbell 3 SE18-29N-10W	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUBBELL 3P

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 - DKNM029N010W18SE2 and MVNM029N010W18SE2

Zones - DKNM029N010W18SE2 and MVNM029N010W18SE2

General/Work Description - NO LEWIS