#### UNITED STATES **DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT**

RECEIVED

AUG 2 9 2008

<u>Bureau ur cano management</u>

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACKFarmington Field Office 1a. Type of Work 5. Lease Number DRILL USA SF-078050 **Unit Reporting Number** 1b. Type of Well 6. If Indian, All. or Tribe GAS RCMD DEC 31'08 7. Unit Agreement Name 2. Operator CONS. DIV. BURLINGTON DIST. 3 RESOURCES Oil & Gas Company, LP 3. Address & Phone No. of Operator 8. Farm or Lease Name PO Box 4289, Farmington, NM 87499 Hughes 9. Well Number (505) 326-9700 #10M Location of Well / 10 / 10 Surf:Unit F(SENW), 1500' FNL & 1500' FWL 4. 10. Field, Pool, Wildcat Basin DK/Blanco MV Btmhl: Unit D/(NWNW), 710' FNL & 1065' FWL 11. Sec., Twn, Rge, Mer. (NMPM) Jot 10/F Sec. 3, T27N, R9W Surf: Latitude 36.606710 N Longitude 107.77671° W API # 30-045- 34783 36.608860 N Btmhole: Latitude Longitude 107.777610 W Distance in Miles from Nearest Town 12. County 13. State 31 miles/Bloomfield San Juan NM 15. Distance from Proposed Location to Nearest Property or Lease Line 710' 16. Acres in Lease 17. Acres Assigned to Well 320.00 1/95. DS 291.38 Acres - (W/2) 18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 354' from Hughes 10A - MV/Chacra 19. **Proposed Depth** 20. Rotary or Cable Tools 7523' TVD Rotary 7644' TMD 21. Elevations (DF, FT, GR, Etc.) 22. Approx. Date Work will Start 6852' GR 23. **Proposed Casing and Cementing Program** See Operations Plan attached 24. Sasha Spangler (Regulatory Technician) APPROVAL DATE PERMIT NO. **APPROVED BY** NOTIFY AZTEC OCD 24 HRS. JAN 0 7 2009 Archaeological Report attached Threatened and Endangered Species Report attached NOTE: This format is issued in lieu of U.S. BLM Form 3160-3 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 before the Whiled

"GENERAL REQUIREMENTS".

. 4

States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction. Bond Numbers NMB-000015 and NMB-0000089 TANCE OF THIS **Example Master Plan Type 3** 

This action is subject to technical and procedural review pursuant to 43 CFR 3165 3 and appeal pursuant to 43 CFR 3165.4 Hold C104 for Directional Survey DRILLING OPERATIONS AUTHORIZED ARE

and "As Drilled" plat SUBJECT TO COMPLIANCE WITH ATTACHED

ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER **AUTHORIZATION REQUIRED FOR OPERATIONS** ON FEDERAL AND INDIAN LANDS

DISTRICT 1 1625 N. French Dr., Hobbs, N.M. 88240

A

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005

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

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

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

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

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

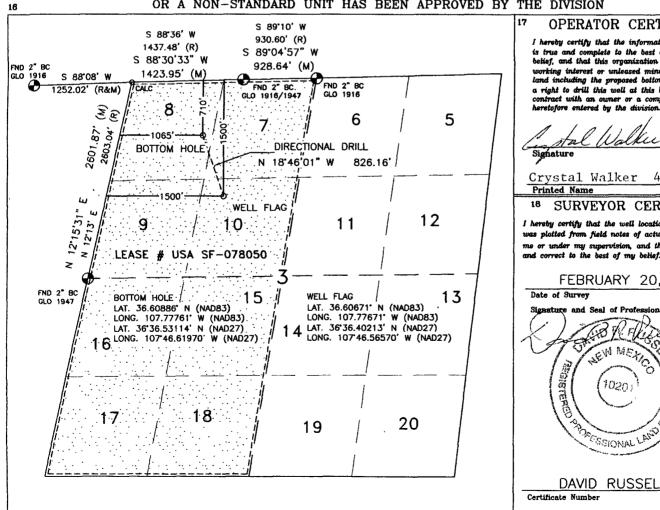
### WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34	<sup>a</sup> Pool Code 71599/72319	Pool Name BLANCO BASIN DAKOTA/MESAVERDE			
Property Code 7143	<sup>6</sup> Property Name • Well Number HUGHES 10 M				
70GRID No. 14538	*Operator Name  *Operator Name  BURLINGTON RESOURCES OIL AND GAS COMPANY LP  6852'				

10 Surface Location

					Durrace	LOCATION			
UL or lot no. F	Section 3	Township 27N	Range 9W	Lot Idn 10	Feet from the 1500'	North/South line NORTH	Feet from the 1500'	East/West line WEST	County SAN JUAN
			11 Bott	om Hole	Location I	f Different Fro	om Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	3	27N	9W	8	710'	NORTH	1065'	WEST	SAN JUAN
<sup>2</sup> Dedicated Acre	8		13 Joint or	Infill	14 Consolidation C	ode	15 Order No.		
201 78	Acres -	(W/2)							

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 contains 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 a right to drill this well at this location pursuant to a contract with an owner or a compulsory pooling order

4-24-08

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 20, 2008

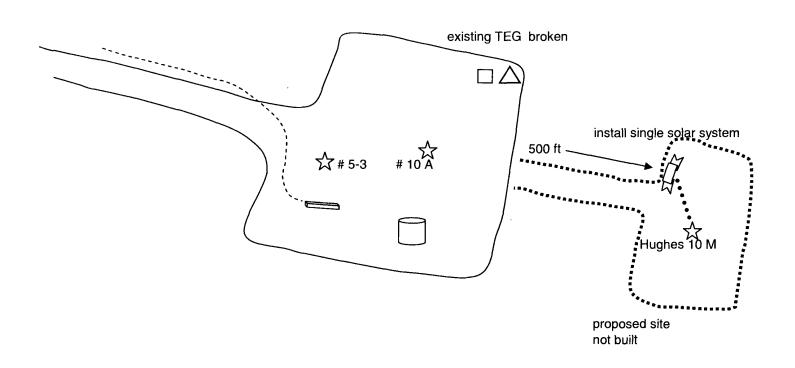
DAVID RUSSELI

10201

COMPANY Charge Code		NGTON FE.PDC					
WELL NAME	HUGHE					DATE	1/18/2
DUAL WELL	WELL NA	ME				<u> </u>	
TRIPLE WELL	WELL NA	AME					
COORDINATES	SEC F 3	TNSHP 27 N	RANGE 9 W	1	<b>LATITUDE</b> 36.60671 N	7	LONGITUE 107.77621
00011011171120	<b>L</b>			<u>.</u>	00.0007110	J	101.1102.1
COUNTY	SAN JUAN	1		]			
	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE	7	
RECTIFIER	OIZE -	INCLUED	LXIOTING	TTTAGE	OTTIAGE	J	
SOLAR	single	х		1			
<u>GROUND BED</u>		Х		]			
240 V METER POLE							
480 V METER POLE							
D C CABLES	#8	150 ft					
<u>A C CABLES</u> PRIMARY POWER			<u> </u>	Jemez		7	
DISTANCE TO POWER	h	<del></del>	<u> </u>	1.2 miles		-	
UNDERGROUND	·		<u> </u>	1.2 1111103	<u> </u>	J	•
PUMPJACK				İ			
WATER PUMP				1			
<u>COMPRESSOR</u>							
RTU				]			
SAMS							
TANKS		<u> </u>					

# WELL NAME HUGHES 10 M

1 phase power 1.2 miles



TANK	SEP OR DEHY SOLAR	PUMP METER POLE JACK	GND/BED EXISTING CABLE
RECT	PIT WELL	PROPOSED CABLE proposed  solar/gb  FOREIGN PL	POWER LINE  CONOCO PL



## PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

#### **HUGHES 10M**

#### **DEVELOPMENT**

Lease:				AF	E #:WA	N.CDR	.7403		AFE \$:
Field Name: hBR	_SAN JUAN	Ì	Rig: Az	ztec Rig 730			State: NM	County: SAN JUAN	API #:
Geologist:		Phone:			Geophysicist:			Phone:	
Geoscientist: Riley, Brook Ph		Phone: +1 505-324-6108		6108	Prod. Engineer:			Phone:	
Res. Engineer: M	cKee, Cory J			+1 505-326-		Proj.	Field Lead:		Phone:
Primary Object	ive (Zones):								
Zone	Zone Name				ļ				
RON	BLANCO MES	SAVERDE (PR	ORATE	D GAS)					
FRR	BASIN DAKO	TĄ (PRORATE	ED GAS	)					
Location: Acida		Datum Coo	AM: et	D 27					
Latitude: 36.6067	02 Longit	ude: -107.77	6095	X:		Y:		Section: 03	Range: 009W
Footage X: 1500	FWL Footag	ge Y: 1500 FN	VL	Elevation: 685	52	(FT)	Township: 027	N .	
Tolerance:									
Location: For o	opinia	Datum Coo	le: NA	D 27					
Latitude: 36.6088	352 Longit	ude: -107.77	6995	X:		Y:		Section: 03	Range: 009W
Footage X: 1065	FWL Footag	ge Y: 710 FNI	-	Elevation:		(FT)	Township: 027	V	Annual grantening (grant - Marie Marie III and Annual - Marie III annu
Tolerance:									
Location Type: Ye	ear Round	au African say ang African Sanak mengalah di Sanak saya kanan S	Start D	ate (Est.): 1/1	/2008	Cor	npletion Date:	Date I	n Operation:
Formation Data:	Assume KB =	= 6867 l	Jnits =	FT					
Formation Call &		Depth	SS	Depletion	BHP	ВНТ		Remari	re
Casing Points		(TVD in Ft)	(Ft)	(Yes/No)	(PSIG)	Dill	42.4/48.1.1		
Surface Casing		250	6617	L				9-5/8", 32.3 ppt, H-40 Circulate cement to su	), STC casing. Cement with Irface.
OJO ALAMO		1941	4926						
KIRTLAND		2079	4788						
FRUITLAND		2664	4203				Possible Gas		
PICTURED CLIFFS		2947	3920						
LEWIS		3037	3830						
HUERFANITO BEN	TONITE	3501	3366						
CHACRA		3887	2980						
MASSIVE CLIFF HO	DUSE	4535	2332		550		Gas		
MENEFEE		4612	2255						
Intermediate Casin	ıg	4688	2179					", 23 ppf, J-55, LTC c late cement to surface	asing. Cement with 1099 e.
MASSIVE POINT LO	OOKOUT	5275	1592						
MANCOS		5610	1257						
UPPER GALLUP		6414	453						
GREENHORN		7183	-316						
GRANEROS		7244	-377						
TWO WELLS		7291	-424		1800		Gas		
PAGUATE		7358	-491						
CUBERO		7414	-547						
ENCINAL		7481	-614						
TOTAL DEPTH DK		7523	-656					feet. Circulate ceme	L-80, LTC casing. Cement nt a minimum of 100' inside

Printed on: 8/27/2008 2:59:09 PM



## PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HUGHES 10M DEVELOPMENT

l	Reference Wells					
	Reference Type	Well Name		Comments		
l	Logging Progra					
	Intermediate Logs	: D Log only if sh	ow GR/ILD	☐ Triple Comb	00	
L						
	TD Logs:	☐ Triple Combo	Dipmeter	☐ RFT ☐ Sor	nic 🗌 VSP 📗 TDT 🗷 Ott	ner
		Mud log from ~1	00' above the to	p of Greenhorn to	TD. Estimated bottom perf ~	20' above the estimated TD.
١	Additional Informa	ation:				
	Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
		on/Tops/Logging -   - MVNM027N009W			9W03NW1 Avoid E, no twin o	ptions, topo is an issue, prefer F,C,D.
	Cory N 8-30-0	McKee.	onal twin at 1500		on the Navajo City(Lewis), Me L with BHL at 710' FNL & 1065	nefee and Point Lookout layers. Contact:

Printed on: 8/27/2008 2:59:11 PM

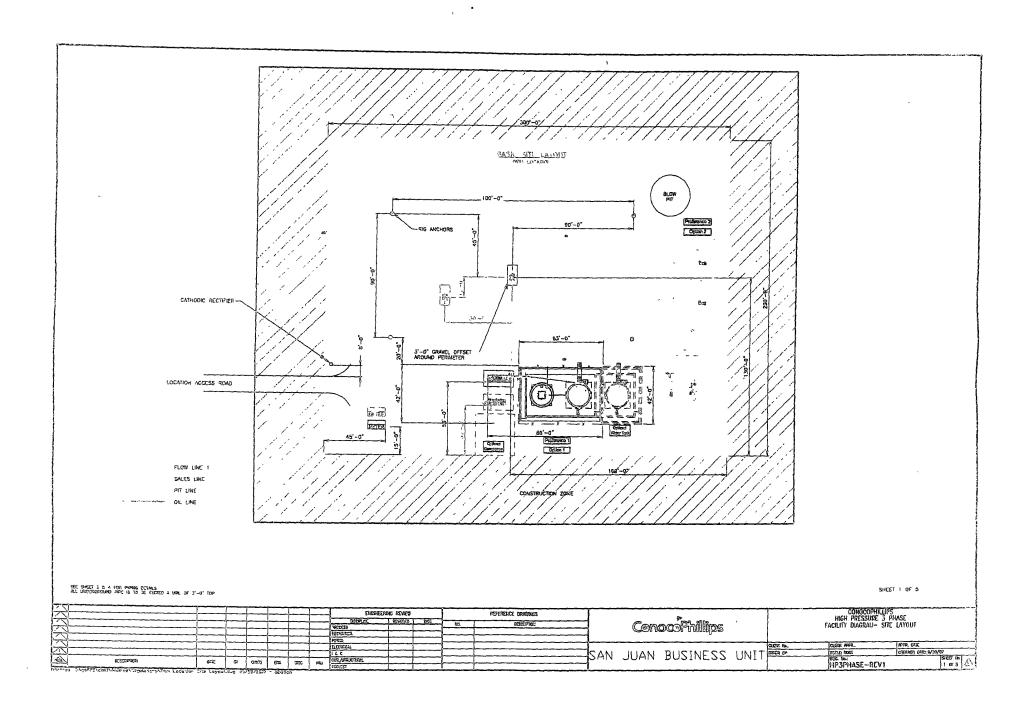
#### ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning Local Co-ordinate Reference: Well Hughes 10M RKB @ 6867.0ft (Generic Rig) True Well: North Reference: True Minimum Curvature Welliore: Principal Planned

Formations		ANDER AND DE SE
Measured	Vertical	Dip.
Depth (ft)	Depth (ft) Name	Dip Direction Lithology (°) (°)
1,942.8	1,941 0 Ojo Alamo	. 0.00
2,083 0	2,079.0 Kirtland	0.00
2,696.3	2,664.0 Fruitland Coal	0 00
2,998 0	2,947 0 Pictured Cliffs	0.00
3,093.9	3,037.0 Lewis	0.00
3,588.5	3,501.0 Huerfanito Bentonite	0 00
3,999.0	3,887.0 Chacra	0.00
4,661.0	4,535 0 Massive Cliff House	00.0
4,738.2	4,612.0 Menefee	0.00
5,401 2	5,275.0 Massive Point Lookout	0.00
5,736.2	5,610.0 Mancos	0.00
6,540.2	6,414.0 Upper Gallup	0.00
7,309 2	7,183 0 Greenhorn	0.00
7,370.2	7,244 0 Graneros	0.00
7,417.2	7,291.0 Two Wells	0.00
7,484 2	7,358 0 Paguate	0.00
7,540.2	7,414.0 Upper Cubero	0.00
7,607.2	7,481 0 Encinal	0 00

5/21/2008 5 10.34PM Page 6 COMPASS 2003 16 Build 42F



#### **BURLINGTON RESOURCES 0&G CO LP**

HUGHES #10 M 1500' FNL & 1500' FWL LOCATED IN THE SE/4 NW/4 OF SECTION 3, T27N, R9W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

#### **DIRECTIONS**

- 1) FROM INTERSECTION OF HWY 550 AND HWY 64 IN BLOOMFIELD, NM TRAVEL SOUTH ON HWY 550 15.9 MILES TO CR 7225.
- 2) GO EAST ON CR 7225 12.5 MILES TURN LEFT.
- 3) GO 1.0 MILE TO INTERSECTION.
- 4) CONTINUE STRAIGHT 1.7 MILES TO TOP OF HARRIS MESA.
- 5) TURN LEFT AND GO 0.2 MILES TO WELL LOCATION.

WELL FLAG LOCATED AT LAT. 36.60671°N LONG. 107.77671° W

Russell Surveying 1409 W. Aztec Blvd. #2 Aztec, New Mexico 87410 (505) 334-8637