

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APR 07 2009

1a. Type of Work DRILL	5. Lease Number SF-080712-A Bureau of Land Management Unit Reporting Number NMMN-78420A-MV	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 30-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD JAN 27 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit M(SWSW), 645' FSL & 770' FWL Bottomhole: Unit N(ESW), 730' FSL & 1930' FWL Surf: Latitude: 36.77814° N (NAD83) Longitude: 107.49266° W Bottomhole: Latitude: 36.77838° N (NAD83) Longitude: 107.48871° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) M Sec. 29, T30N, R6W API # 30-039-30744	
14. Distance in Miles from Nearest Town 14 miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 645'		
16. Acres in Lease 1,866.90	 H₂S POTENTIAL EXIST	
17. Acres Assigned to Well MV/DK 320.00 (W/2)		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 60' from San Juan 30-6 Unit 53 (MV)		
19. Proposed Depth 8305'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6854' GL	22. Approx. Date Work will Start BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	
23. Proposed Casing and Cementing Program See Operations Plan attached	4/7/2009	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 1/19/2010

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

Bond Numbers NMB-000015 and NMB-000089
Hold C104

This action is subject to technical and procedural review pursuant to 43 CFR 3105.6 and appeal pursuant to 43 CFR 3165.4

for Directional Survey and "As Drilled" plan

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

FEB 04 2010

Drilling operations authorized are subject to compliance with attached "General Requirements".

District I
1625 N French Dr., Hobbs, NM 88240

District II
1301 W Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S 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

RECEIVED

APR 07 2009

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

☐ AMENDED REPORT
Bureau of Land Management
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30744	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT	*Well Number 53B
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6854'

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
M	29	30N	6W		645	SOUTH	770	WEST	RIO ARriba

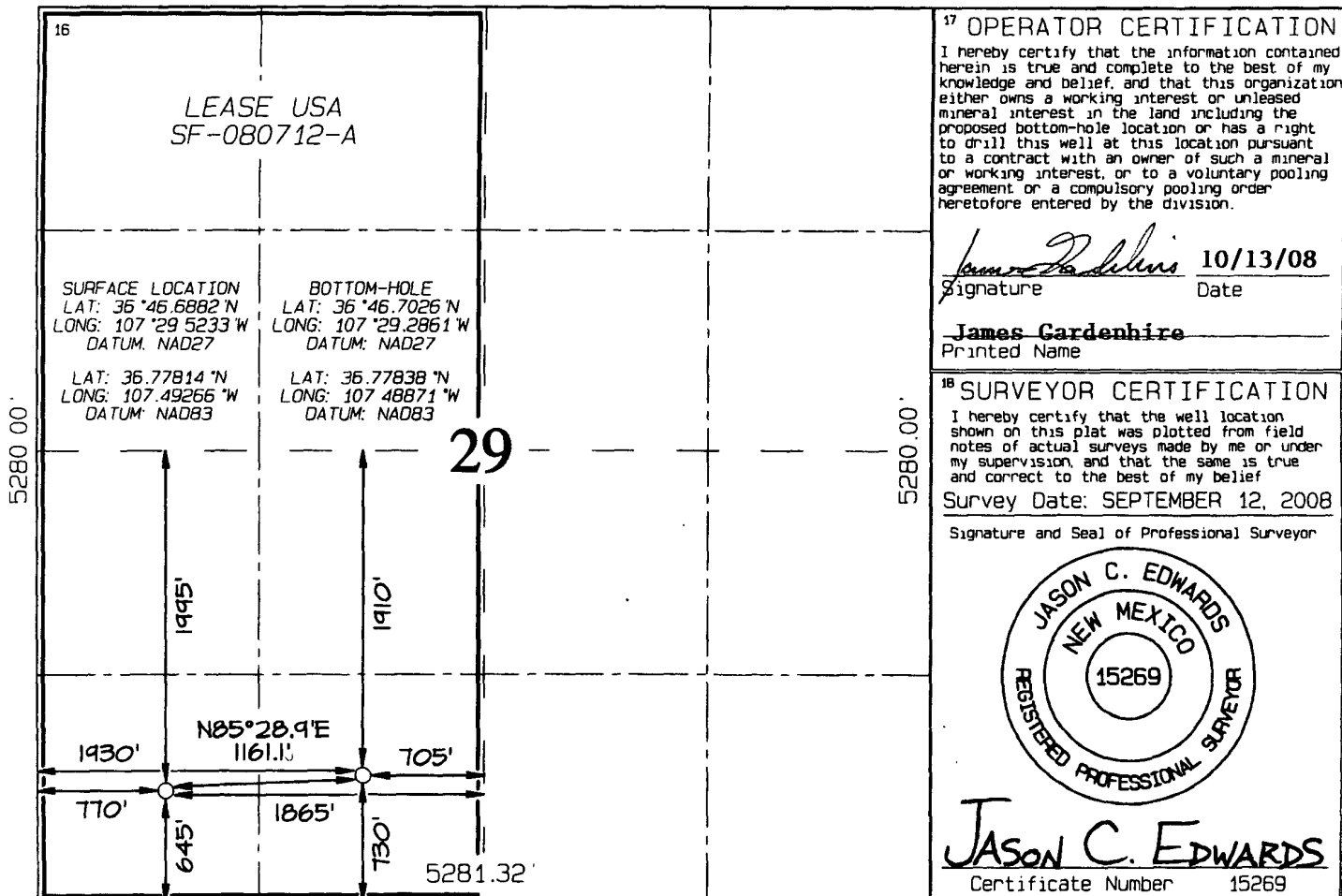
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	29	30N	6W		730	SOUTH	1930	WEST	RIO ARriba

¹² Dedicated Acres	320.0 Acres (W/2) - MV 320.0 Acres (W/2) - DK	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No
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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

5272.08'



DUAL WELL
TRIPLE WELL

DATE

7/24/2008

SAN JUAN 30 - 6 # 479

WELL NAME

SEC	TNSHP	RANGE
K 29	30 N	6 W

LATITUDE
36.78012 N

LONGITUDE
107.48952 W

RIO ARRIBA

WATER PUMP

(12/6)

X

1

8

450'

CITY OF FMN

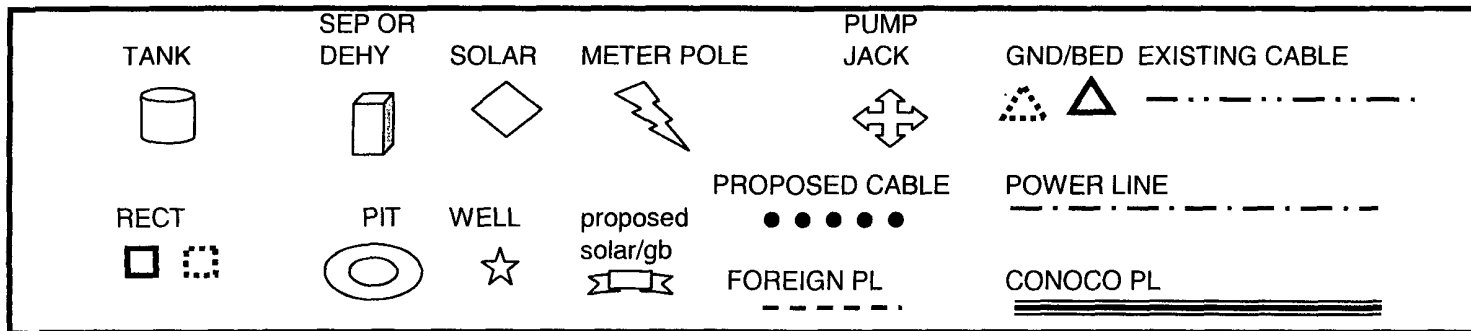
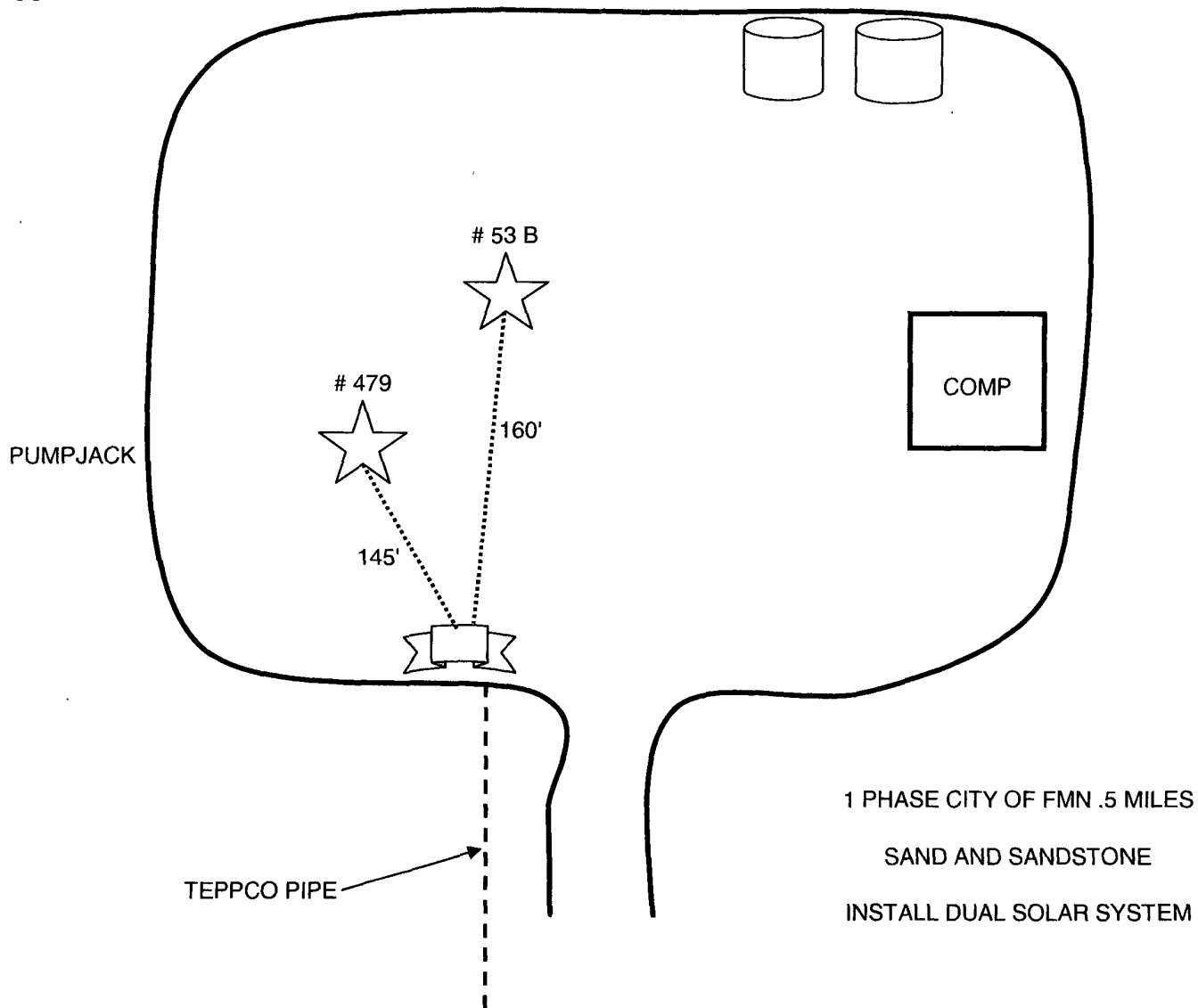
.5 MILES

X

SAND AND SANDSTONE

INSTALL DUAL SOLAR SYSTEM

WELL NAME	SAN JUAN 30 - 6 # 53 B
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 53B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7371				AFE \$: 1,820,392.06	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		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							
Latitude: 36.778134	Longitude: -107.492055	X:	Y:	Section: 29		Range: 006W	
Footage X: 770 FWL		Footage Y: 645 FSL		Elevation: 6854 (FT)		Township: 030N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.778374	Longitude: -107.488105	X:	Y:	Section: 29		Range: 006W	
Footage X: 1930 FWL		Footage Y: 730 FSL		Elevation:		(FT) Township: 030N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6869 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	199	6670	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.	
OJO ALAMO	2889	3980	☐				
KIRTLAND	3001	3868	☐				
FRUITLAND	3334	3535	☐			Possible Gas	
PICTURED CLIFFS	3771	3098	☐				
LEWIS	3883	2986	☐				
Intermediate Casing	4033	2836	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 965 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4501	2368	☐				
CHACRA	4819	2050	☐			Est. Top Perf - 4822 (2048)	
UPPER CLIFF HOUSE	5530	1339	☐			Gas	
MASSIVE CLIFF HOUSE	5595	1274	☐	300		Gas	
MENEFEE	5686	1183	☐				
POINT LOOKOUT	6003	866	☐				
MANCOS	6370	499	☐				
UPPER GALLUP	7231	-362	☐				
GREENHORN	7967	-1098	☐				
GRANEROS	8019	-1150	☐				
TWO WELLS	8101	-1232	☐	3366		Gas	
PAGUATE	8145	-1276	☐				
UPPER CUBERO	8157	-1288	☐				
LOWER CUBERO	8189	-1320	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 53B

DEVELOPMENT

ENCINAL	8255	-1386	☐	TD - 50' Below T/ENCN: Est. Btm Perf - 8291 (-1421) based on offset wells
Total Depth	8305	-1436	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 582 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Cased Hole GR / CBL	
Mudlog from 100' above top of GRHN to TD - mudlogger will call TD.	

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6-#53B
Company:	ConocoPhillips SJBU	TVD Reference:	Generic KB 15' @ 6869.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	Generic KB 15' @ 6869.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #53B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,044.0	2,889.0	Ojo		0.00		
3,165.7	3,001.0	Kirtland		0.00		
3,527.0	3,334.0	Fruitland		0.00		
3,979.8	3,771.0	Pictured Cliffs		0.00		
4,092.4	3,883.0	Lewis		0.00		
4,710.6	4,501.0	Huerfano Bentonite		0.00		
5,028.6	4,819.0	Chacra		0.00		
5,739.6	5,530.0	Upper Cliffhouse		0.00		
5,804.6	5,595.0	Mass Cliffhouse		0.00		
6,195.6	5,986.0	Menefee		0.00		
6,212.6	6,003.0	Point Lookout		0.00		
6,579.6	6,370.0	Mancos		0.00		
7,440.6	7,231.0	Upper Gallup		0.00		
8,176.6	7,967.0	Greenhorn		0.00		
8,228.6	8,019.0	Graneros		0.00		
8,310.6	8,101.0	Two Wells		0.00		
8,354.6	8,145.0	Paguate		0.00		
8,366.6	8,157.0	Upper cubero		0.00		
8,398.6	8,189.0	Lower Cubero		0.00		
8,464.6	8,255.0	Encinal		0.00		

Directions from the Intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM

to Burlington Resources Oil & Gas Company San Juan 30-6 Unit #53B

645' FSL & 770' FWL, Section 29, T30N, R6W, NMPM, Rio Arriba County, NM

Latitude : 36.77814°N Longitude : 107.49266°W Datum : NAD1983

From the intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM, travel Easterly on US Hwy 64 for 38.0 miles to State Hwy 527 (Simms Hwy);

Go left (North-westerly) on State Hwy 527 (Simms Hwy) for 11.0 miles to Werner Grade;

Go left (Southerly) up Werner Grade for 2.2 miles to fork in road;

Go left (South-easterly) for 0.3 miles to fork in road;

Go left (Easterly) for 0.3 miles to fork in road;

Go right which is straight (Easterly) for 0.1 miles to fork in road;

Go left (North-easterly) for 0.1 miles to staked location which overlaps an existing wellpad.