

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 LAND

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED FEB 14 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF- 079520-A Unit Reporting Number RCVD JUN 19 '08 OIL CONS. DIV
1b. Type of Well GAS	2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name DIST. 3 San Juan 28-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	9. Well Number #80M
4. Location of Well Surf: Unit G(SWNE), 1540' FNL & 1490' FEL Unit A (NENE), 1135' FNL & 200' FEL Surf: Latitude 36.63527 N. Longitude 107.32475 W. Latitude 36.63637 N. Longitude 107.32475 W.	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 26, T28N, R5W A Sec. 26, T28N, R5W API # 30-039- 30490	
14. Distance in Miles from Nearest Town 13 Miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1540'	17. Acres Assigned to Well MV 320.00 (N/2) DK 320.00 (N/2)	
16. Acres in Lease 1209.120		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' from San Jaun 28-5 Unit 36	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 8580' TVD		
21. Elevations (DF, FT, GR, Etc.) 7229' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan, attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>2/13/08</u> Date	

Obtain a pit permit from NMOCD
prior to constructing location

NOTIFY AZTEC OCD 24 HRS
PRIOR TO CASING & CEMENTING
TANK, PROPOSED ALTERNATIVE METHOD
FOR CLOSURE PLAN TO BE DESIGNED,
CONSTRUCTED, OPERATED & CLOSED
PURSUANT TO NMOCD RULE 19.15.17
EFFECTIVE 06/16/08

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 6/17/08

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

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

NMOCD

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

JUN 20 2008

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

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

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

FEB 14 2008 ☐ AMENDED REPORT

Bureau of Land Management
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7460	*Property Name SAN JUAN 28-5 UNIT	*Well Number 80M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 7229'

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
G	26	28N	5W		1540	NORTH	1490	EAST	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
A	26	28N	5W		1135	NORTH	200	EAST	RIO ARriba

¹² Dedicated Acres 320.0 Acres - N/2 (MV) 320.0 Acres - N/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

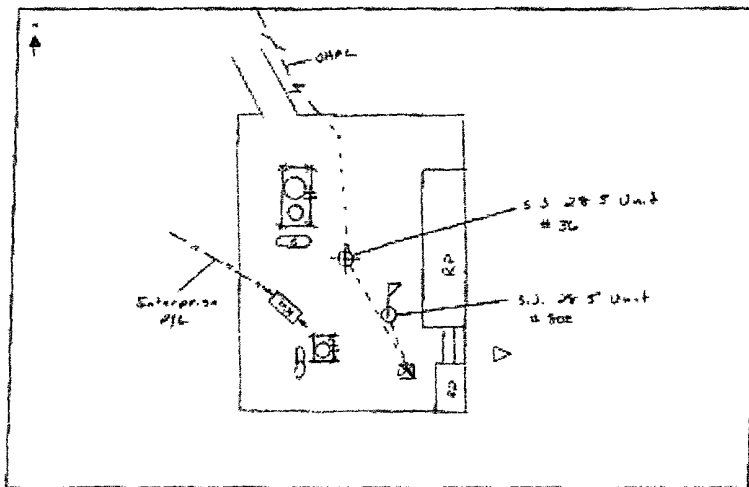
¹⁶ LEASE USA SF-079520-A	5287.92' BOTTOM-HOLE LOCATION LAT: 36.63637°N LONG: 107.32036°W DATUM: NAD83 LAT: 36°38.1816'N LONG: 107°19.1857'W DATUM: NAD27 SURFACE LOCATION LAT: 36.63527°N LONG: 107.32475°W DATUM: NAD83 LAT: 36°38.1154'N LONG: 107°19.4490'W DATUM: NAD27	1540' 1135' 2435' 1145' 1490' 1090' 1495' 200' N73°10.4'E 1344.1'	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>Jamie Goodwin</i> 02-13-2008 Signature Date JAMIE GOODWIN Printed Name 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. Survey Date: NOVEMBER 6, 2007 Signature and Seal of Professional Surveyor JASON C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15269 JASON C. EDWARDS Certificate Number 15269
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CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Sag Luna 28 S Unit #30 LEGALS S. 24 N. 28 E. COUNTY 2, 10 Acres

PURPOSED C.P. SYSTEM: Tie S.S. 28 S Unit #30E in to rectifier on S.S. 28 S #30 wellhead. Trench approx 20' at #30 negative cable. From S.S. 28 S Unit #30E wellhead to rectifier.



WELLHEAD	WELLHEAD	WELLHEAD	WELLHEAD	WELLHEAD	WELLHEAD	WELLHEAD

COMMENTS: Rectifier V. 28 S Unit #30

NEAREST POWER SOURCE CHAL DISTANCE: 1.50'

PIPELINES IN AREA: Enterprise Field Service

TECHNICIAN: John J. J. DATE: 11/11/88

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-5 80M
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 7244.0ft (Generic Rig RKB)
Project:	La Plata County, CO	MD Reference:	WELL @ 7244.0ft (Generic Rig RKB)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 28-5 80M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	APD plan		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)		Name	Casing Diameter (in)	Hole Diameter (in)
500.0	500.0	9 5/8"		9.625	12.250
4,852.2	4,600.0	7"		7.000	8.750
8,832.2	8,580.0	4 1/2"		4.500	6.250

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,682.5	3,484.0	Ojo Alamo		0.00		
3,889.6	3,674.0	Kirtland		0.00		
4,161.3	3,924.0	Fruitland		0.00		
4,381.5	4,134.0	Pictured Cliffs		0.00		
4,564.1	4,313.0	Lewis		0.00		
4,982.2	4,730.0	Huerfanto Bentonite		0.00		
5,332.2	5,080.0	Chacra		0.00		
5,939.2	5,687.0	Upper Cliffhouse		0.00		
6,140.2	5,888.0	Massive Cliffhouse		0.00		
6,198.2	5,946.0	Menefee		0.00		
6,524.2	6,272.0	Massive Point Lookout		0.00		
7,120.2	6,868.0	Mancos		0.00		
7,770.2	7,518.0	Upper Gallup		0.00		
8,486.2	8,234.0	Greenhorn		0.00		
8,552.2	8,300.0	Graneros		0.00		
8,602.2	8,350.0	Two Wells		0.00		
8,695.2	8,443.0	Upper Cubero		0.00		
8,753.2	8,501.0	Lower Cubero		0.00		
8,802.2	8,550.0	Encinal		0.00		
8,804.2	8,552.0	Oak Canyon		0.00		

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-5 UNIT 80M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7365		AFE \$:	
Field Name: hBR_SAN JUAN 28-5 UNIT		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: 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		Directional	
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Latitude: 36.635261	Longitude: -107.324149	X:	Y:	Section: 26	Range: 005W
Footage X: 1490 FEL	Footage Y: 1540 FNL	Elevation: 7229	(FT)	Township: 028N	

Tolerance:		Directional	
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Location: Bottom Hole		Datum Code: NAD 27		Directional	
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Latitude: 36.636361	Longitude: -107.319759	X:	Y:	Section: 26	Range: 005W
Footage X: 200 FEL	Footage Y: 1135 FNL	Elevation:	(FT)	Township: 028N	

Tolerance:	
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Location Type: Restricted	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 7244	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	420	6824	☐			12-1/4" hole. 420' of surface casing due to proximity of 400' cliff. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 315 cubic ft. Circulate cement to surface.
OJO ALAMO	3484	3760	☐			
KIRTLAND	3674	3570	☐			
FRUITLAND	3924	3320	☐			Possible Gas
PICTURED CLIFFS	4134	3110	☐			
LEWIS	4313	2931	☐			
Intermediate Casing	4600' 4463	2781	☐			8-3/4" hole. 7", 23 ppf, L-80, LTC Casing. Cement with 1082 cubic ft. Circulate cement to surface.
HUERFANITO BENTONITE	4730	2514	☐			
CHACRA	5080	2164	☐			
UPPER CLIFF HOUSE	5687	1557	☐			
MASSIVE CLIFF HOUSE	5888	1356	☐			Gas
MENEFEE	5946	1298	☐			
MASSIVE POINT LOOKOUT	6272	972	☐			
MANCOS	6868	376	☐			
UPPER GALLUP	7518	-274	☐			
GREENHORN	8234	-990	☐			
GRANEROS	8300	-1056	☐			
TWO WELLS	8350	-1106	☐	2300		Gas
UPPER CUBERO	8443	-1199	☐			
LOWER CUBERO	8501	-1257	☐			
OAK CANYON	8552	-1308	☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-5 UNIT 80M

DEVELOPMENT

Total Depth	8580	-1336	☐	6-1/4" hole. 4-1/2", 11.6 ppf, L-80, LTC casing. Cement with 543 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.
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ENCINAL	8580	-1336	☐	TD at or above top of Encinal.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	28-5 80	NE26-28-5

Logging Program:

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

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

GR/CBL

Mudlog from 100' above top of Greenhorn to TD - mudloggers will call TD.

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

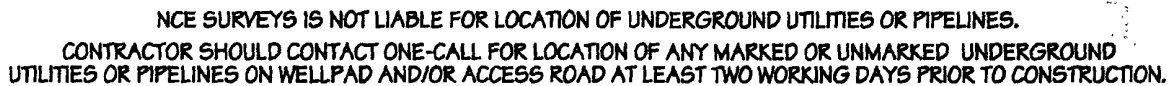
Comments: Location/Type/Logging

Bureau of Land Management

GRAPHIC SCALE 1"=50'



A horizontal graphic scale bar with alternating black and white segments. Below the bar are numerical markings for 0, 50, and 100 feet.

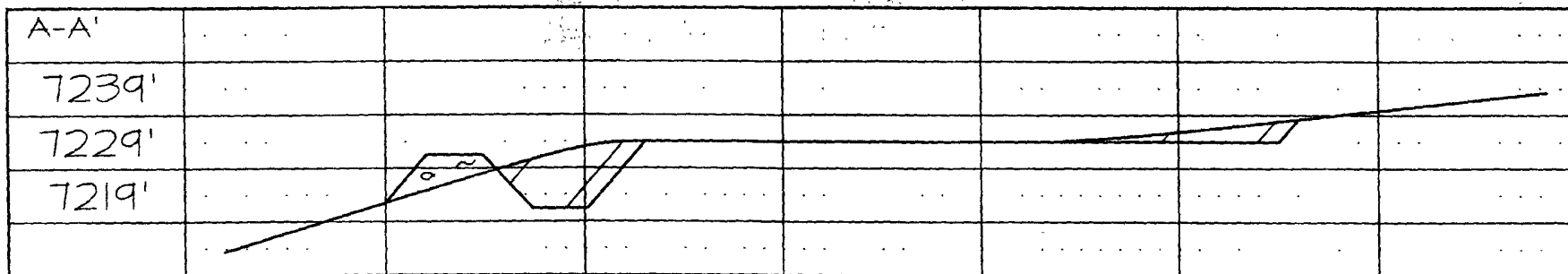


BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 28-5 UNIT #80M
1540' FNL & 1490' FEL, SECTION 26, T28N, R5W, NMPM
RIO ARriba COUNTY, NEW MEXICO ELEVATION: 7229'

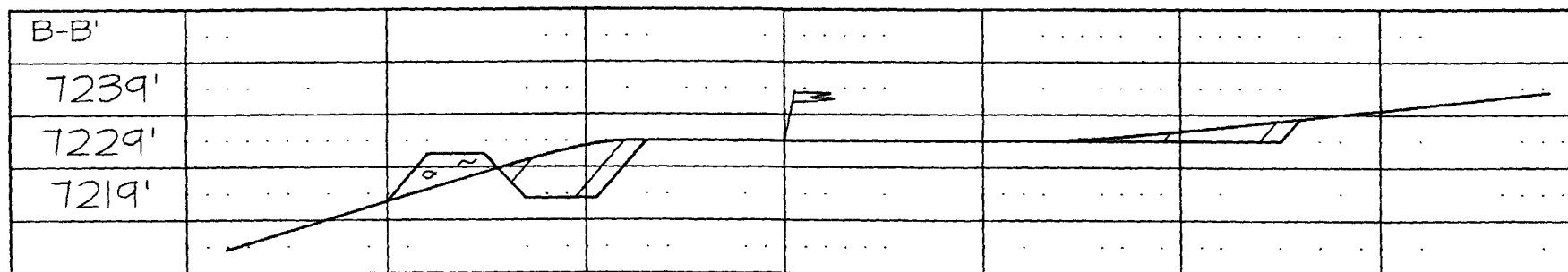
HORIZONTAL SCALE 1"=40'

C/L

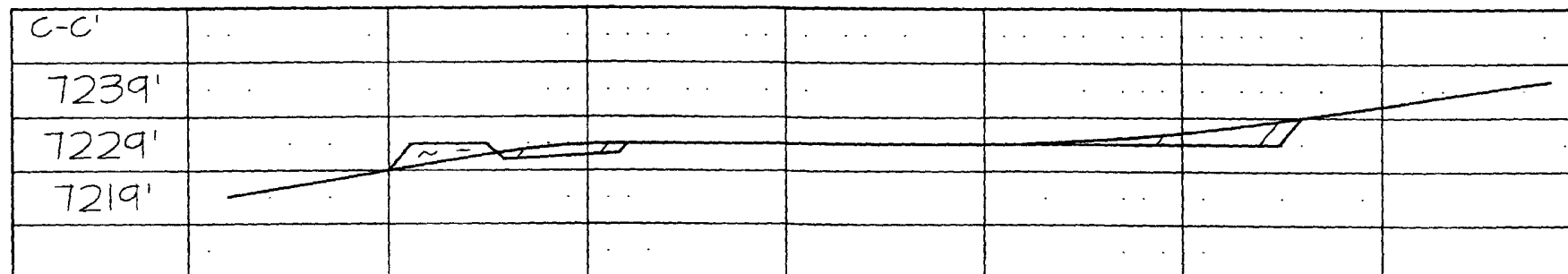
VERTICAL SCALE 1"=30'



C/L



C/L



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

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.