

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 16 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number USA SF-079729 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 San Juan 28-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #17A	
4. Location of Well Surf: Unit C (NENW), 580' FNL & 2100' FWL Surf: Latitude 36.652328 N. Longitude 107.275244 W.	10. Field, Pool, Wildcat Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) C Sec. 20, T28N, R4W API # 30-039-30619	
14. Distance in Miles from Nearest Town 40.5 miles/Blanco, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 2100'	SEE ATTACHED FOR CONDITIONS OF APPROVAL	
16. Acres in Lease 2560.000	17. Acres Assigned to Well MV 320.00 (N/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 3400' from San Jaun 28-4 Unit 28		
19. Proposed Depth 6839 ' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7465' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	<u>12/9/08</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE Acting NM

DATE 3/10/09

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

NMOCD

MAR 19 2009

AW

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

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

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

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Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

Bureau of Land Management
Farmington Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30619	*Pool Code 72319	*Pool Name Blanco- MESAVERDE
*Property Code 7459	*Property Name SAN JUAN 28-4 UNIT	*Well Number 17A
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	*Elevation 7485'

¹⁰ Surface Location

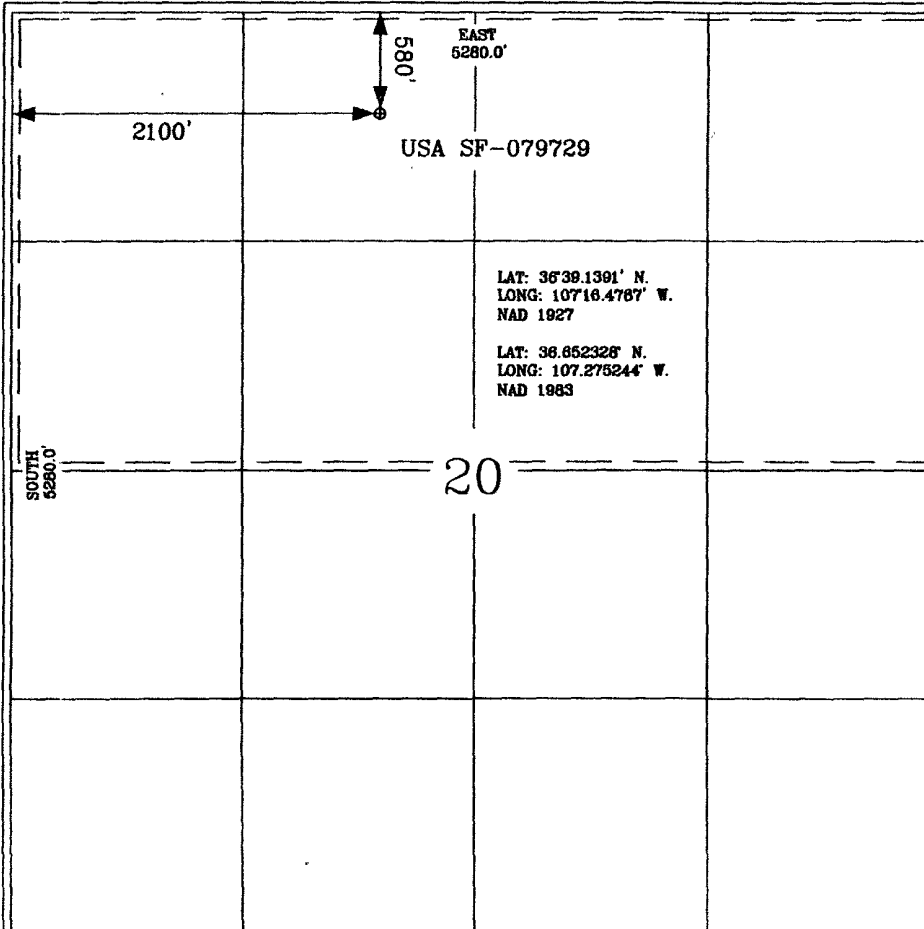
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	20	28-N	4-W		580'	NORTH	2100'	WEST	RIO ARriba

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
C									
¹² Dedicated Acres 320.00			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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

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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 undivided 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

James Gardenhire 12/09/08
Signature
James Gardenhire
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.

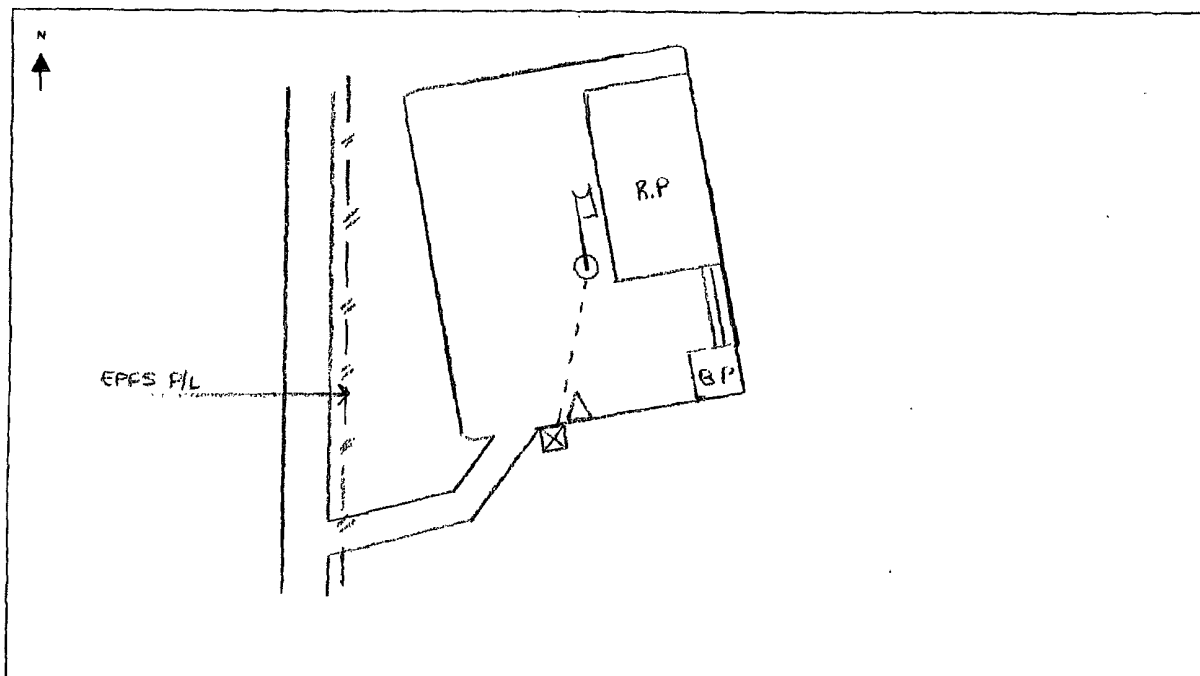
10
Date of Survey
Signature and Seal of Professional Surveyor
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
G. Gardenhire
Certificate Number 15703



CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME ST 28-4 #17A LEGALS C-20-28-4 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill G.B. and set 2 well solars on S edge of the irrigation (E side of the access road) Trench approx 200' at #17A from proposed well to solars



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS: solars in forest areas

NEAREST POWER SOURCE N/A DISTANCE: _____

PIPELINES IN AREA: EPFS P/L

TECHNICIAN: Updell/Hingerson DATE: 10/24/07

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

RP

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-4 UNIT 17A

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7305		AFE \$: 595,622.30	
Field Name: hBR_SAN JUAN 28-4 UNIT		Rig: XXX Deferred PDT		State: NM	County: RIO ARRIBA
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				
R20002	MESAVERDE(R20002)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.652319	Longitude: -107.274644	X:	Y:	Section: 20	Range: 004W
Footage X: 2100 FWL	Footage Y: 580 FNL	Elevation: 7465	(FT)	Township: 028N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2020		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 7479 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	350	7129	<input type="checkbox"/>		
OJO ALAMO	3731	3748	<input type="checkbox"/>		
KIRTLAND	3951	3528	<input type="checkbox"/>		
FRUITLAND	4214	3265	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	4452	3027	<input type="checkbox"/>		
LEWIS	4538	2941	<input type="checkbox"/>		
Intermediate Casing	4688	2791	<input type="checkbox"/>		8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 1049 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	5083	2396	<input type="checkbox"/>		
CHACRA	5428	2051	<input type="checkbox"/>		
UPPER CLIFF HOUSE	6016	1463	<input type="checkbox"/>		Gas
MASSIVE CLIFF HOUSE	6215	1264	<input type="checkbox"/>	989	Gas
MENEFEE	6285	1194	<input type="checkbox"/>		
POINT LOOKOUT	6589	890	<input type="checkbox"/>		BTM Perf 150' Below PNLK; TD - 100' Below BTM Perf
Total Depth	6839	640	<input type="checkbox"/>		6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 299 cuft. Circulate cement a minimum of 100' inside the previous casing string.
MANCOS	6844	635	<input type="checkbox"/>		
Reference Wells:					
Reference Type	Well Name		Comments		
Production	SJ 28-4 17M		20-28N-4W NW SE NW		
Production	SJ 28-4 2		28N-4W17 SW NE SW		
Production	SJ 28-8 17R		28N-4W20 NW SE NE		
Production	SJ 28-8 17-20		28N-4W20 SW NE NE		
Production	SJ 28-4 26A		28N-4W19 SE NE		

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-4 UNIT 17A

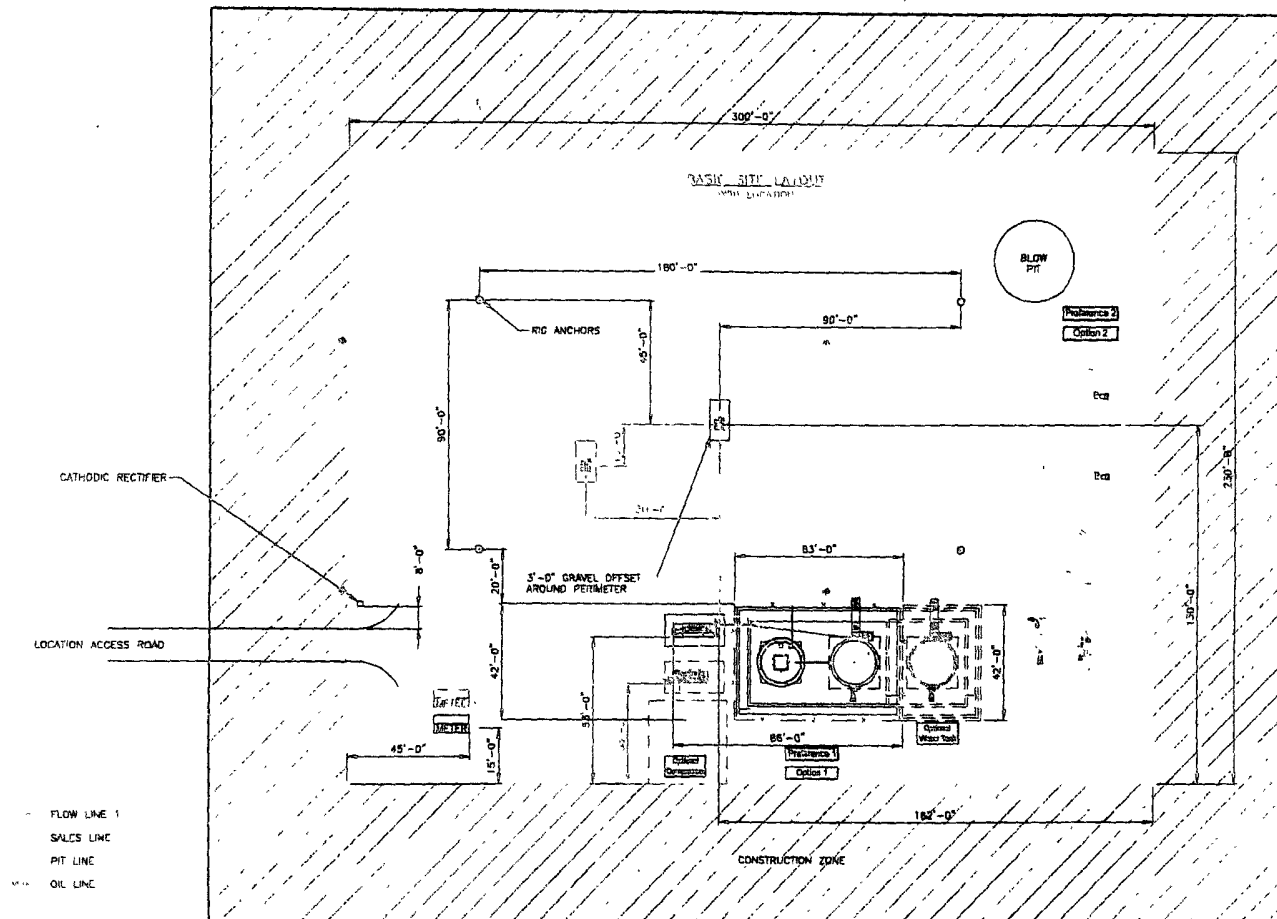
DEVELOPMENT

Logging Program:			
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
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Cased Hole GR / CBL

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



SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL 1500# GROUND PIPING TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 3

							ENGINEERING REVIEW			REFERENCE DRAWINGS			CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			
							APPROVED	SIGNED	DATE	NO.	DESCRIPTION					
							PROCESS									
							MECHANICAL									
							PIPING									
							ELECTRICAL									
							P & I									
							PLANT/PROCESS DRAWING									
DESCRIPTION	DATE	BY	CHK'D	APP'D	SEC	PL	SAN JUAN BUSINESS UNIT					CLIENT NO.	CLIENT APPR.	NOTED DATE		
												ORDER NO.	SCALE: 1/8"=1'	NOTED DATE: 6/20/07		
												DATE: 6/20/07	HP3PHASE-REV1	1 OF 3		

Directions from the Post Office
In Blanco, NM to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-4 UNIT 17A
580' FNL & 2100' FWL,
Section 20, T28N, R4W, N.M.P.M., Rio Arriba County,
New Mexico
Latitude: 36.652328° N
Longitude: 107.275244° W
Nad 83

From the Post Office in Blanco, NM
Take Hwy 64 east for 32.1 miles
(mile post 105.6) forest road 314

Turn right (southerly) on forest road 314 for 7.6 miles,
Turn right (southerly) on forest road 314H 0.8 miles,
to beginning of new access on left side of road,
which continues for 200' to the newly staked location.