

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD DEC 5 '08
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-078425 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 NMNM-78417B-DK NMNM-78417A-M ✓ San Juan 29-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name
4. Location of Well Unit H (SENE), 1560' FNL & 305' FEL, Latitude 36.685276 N Longitude 107.550354 W	9. Well Number #60M
10. Field, Pool, Wildcat Basin DK/Blanco MV	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 34; T29N, R7W API # 30-039-30508
12. County Rio Arriba	13. State NM
14. Distance in Miles from Nearest Town 21 miles to Blanco	15. Distance from Proposed Location to Nearest Property or Lease Line 305'
16. Acres in Lease 2080.00	17. Acres Assigned to Well DK & MV - 320 - (E/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 53' from San Juan 29-7 Unit #577S	19. Proposed Depth 7747'
20. Rotary or Cable Tools Rotary	21. Elevations (DF, FT, GR. Etc.) 6474' GL
22. Approx. Date Work will Start	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	25. 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 Date

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

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 Bond Numbers NMB-000015 and NMB-000089

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
'GENERAL REQUIREMENTS'

NMOCD DEC 17 2008

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

MAR 31 2008

Bureau of Land Management ☒ AMENDED REPORT
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-30508		Pool Code 71599/72319	Pool Name BASIN DAKOTA/BLANCO MESAVERDE
Property Code 7465	Property Name SAN JUAN 29-7 UNIT		Well Number 60M
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		Elevation 6474'

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
H	34	29-N	7-W		1560'	NORTH	305'	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
H									
Dedicated Acres 320.00 (E/2)			Joint or Infill		Consolidation Code		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

16

		S 89° 41' E 2842.63'	
		1560'	
LAT: 36°41.1161' N. LONG: 107°32.9848' W. NAD 1927 LAT: 36.685276° N. LONG: 107.550354° W. NAD 1983		N 0° 01' W 2638.88'	
		305'	
34		USA SF-078425	

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

Crystal Walker 3/31/08
Signature

Crystal Walker 3-31-08
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.

3-31-08
Date of Survey
Signature of Professional Surveyor

Carlan W. Russell
Certificate Number 15703

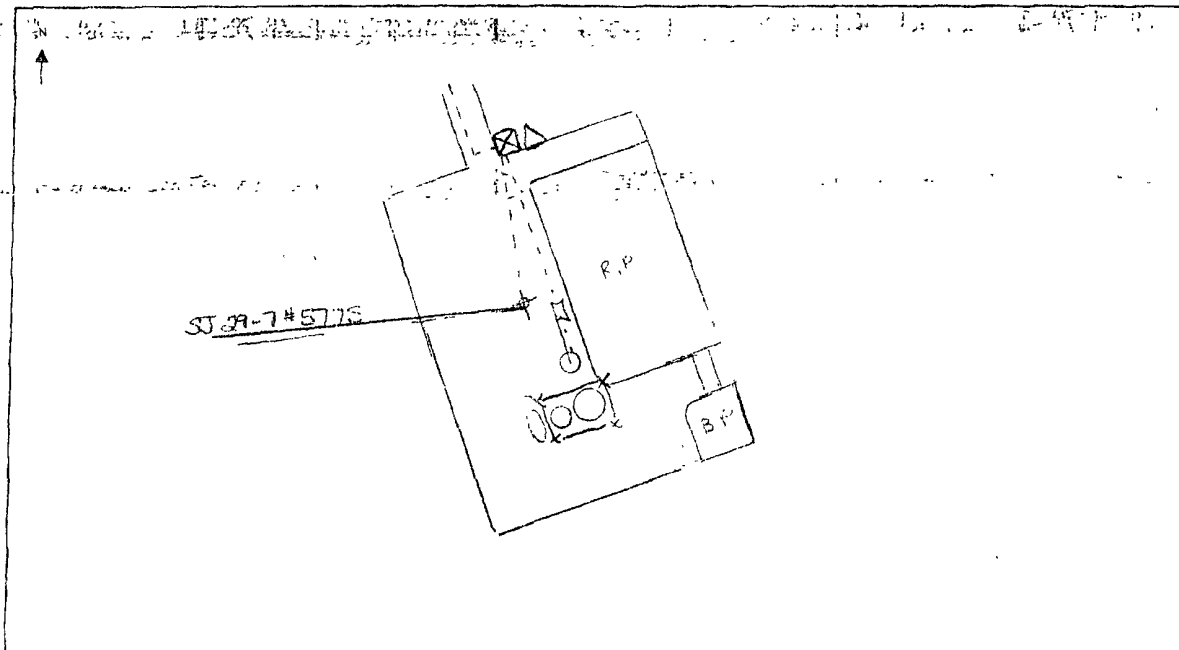


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 29-7 #60M LEGALS H-34-29-7 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill GB and set rectifier on N edge of location. Trench approx 2000' of A/C from existing rectifier on SJ 29-7 #60 to rectifier. Trench approx 150' of #8 neg cable from existing well to rectifier. Trench approx 200' of #8 neg cable from proposed well to rectifier.



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

COMMENTS: Booth to SJ 29-7 #60 was not out

NEAREST POWER SOURCE Existing Rect SJ 29-7 #60 DISTANCE: 2000'
PIPELINES IN AREA:

TECHNICIAN: Spencer/Inojosa DATE: 6/4/07

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 60M

DEVELOPMENT

Lease:		AFE #: WAN_CDR.7035		AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: H&P Rig 282	State: NM	County: RIO ARRIBA	API #:
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Head, Chip F		Phone: 505-326-9772	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797	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: 36.685269	Longitude: -107.549747	X:	Y:	Section: 34	Range: 007W
Footage X: 305 FEL	Footage Y: 1560 FNL	Elevation: 6474	(FT)	Township: 029N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6490 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	216	6274	☐		
12-1/4 hole. 216' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.					
OJAM	2299	4191	☐		
KRLD	2479	4011	☐		
FRLD	2851	3639	☐		Possible Gas
PCCF	3283	3207	☐		
LEWS	3412	3078	☐		
Intermediate Casing	3512	2978	☐		
8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 790 cuft. Circulate cement to surface.					
CHRA	4208	2282	☐		
UCLFH	4886	1604	☐		Gas
MASSIVE CLIFF HOUSE	4974	1516	☐	485	Gas
MENF	5078	1412	☐		
PTLK	5428	1062	☐		
MNCS	5926	564	☐		
GLLP	6660	-170	☐		
GRHN	7395	-905	☐		
GRRS	7453	-963	☐		
TWLS	7497	-1007	☐	1600	Gas
CBRO	7613	-1123	☐		
CBRL	7643	-1153	☐		
ENCINAL	7707	-1217	☐		TD 40' below T/ENCN
TOTAL DEPTH DK	7747	-1257	☐		
6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 577 cuft. Circulate cement a minimum of 100' inside the previous casing string.					

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	29-7 #530	NE 35-29N-7W
Intermediate	29-7 #60	NE 35-29N-7W

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 60M

DEVELOPMENT

Production	29-7 #61A	NW 35-29N-7W
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Logging Program:

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

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

GR_CBL, mudlogger 100' above GRHN to TD

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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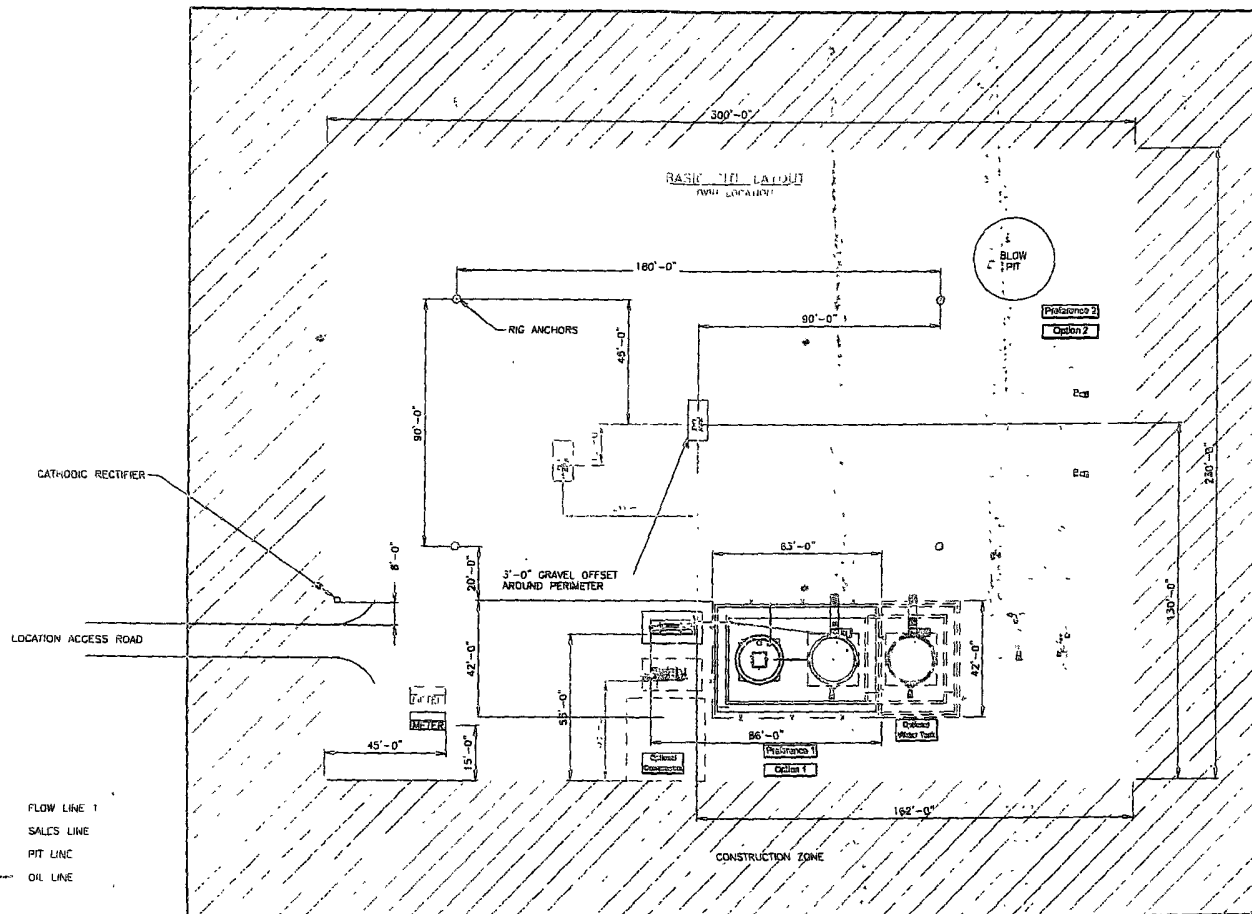
Comments: Location/Tops/Logging - DK 29N07W34NE1 AND MVNM029N007W34NE2 Location is staked as a twin with the #577S horizontal well drilled for us by Williams into section to the east - be sure there is enough clearance from wellpath. - please see attached email.

MUDLOG 100' above GRHN to TD

Zones - DK 29N07W34NE1 AND MVNM029N007W34NE2

General/Work Description - LEWIS INCLUDED

10/11/07 (CLM) T. Jones. EA should be completed this month



SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW		REFERENCE DRAWINGS		CONOCO-PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
										DESIGNED	REVIEWED	DATE	TITLE	DESCRIPTION	CanocoPhillips	
										PROCESS						
										TECHNOLOGY						
										PIPING						
										ELECTRICAL						
										1 & C						
										CON. CONSTRUCTION						
										DRAFT						
DESCRIPTION										DATE	BY	CHNGD	CRG	DESC	PHN	SAN JUAN BUSINESS UNIT

Directions from the Post Office
in Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 29-7 UNIT 60M
1560' FNL & 305' FEL,
Section 34, T29N, R7W, N.M.P.M., Rio Arriba County,
New Mexico

From the Post Office in Blanco, NM
Take Highway 64 East for 19.1 miles

Turn right (southwesterly) through
Two (2) locked gates for 0.6 miles,
Turn left (southerly) for 0.9 miles,
Continue (southwesterly) 0.6 miles,
Turn left (southerly) through first well pad 0.3 miles,
to the newly staked location twinned on the
San Juan 29-7 Unit 577S.