

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APR 23 2009

1a. Type of Work
DRILL

5. Lease Number
NM-9037
Bureau of Land Management
Unit Reporting Number
Farmington Field Office

1b. Type of Well
GAS

6. If Indian, All. or Tribe

RCVD MAY 21 '09

2. Operator
BURLINGTON
RESOURCES Oil & Gas Company, LP

7. Unit Agreement Name
OIL CONS. DIV.
DIST. 3

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499

(505) 326-9700

8. Farm or Lease Name
Reese Mesa
9. Well Number
104S

4. Location of Well
Surf: Unit P(SESE), 102' FSL & 334' FEL
Bottomhole: Unit K(NESW), 1500' FNL & 1850' FWL

Surf: Latitude: 36.98921° N (NAD83)
Longitude: 107.61937° W
Bottomhole: Latitude: 36.99581° N (NAD83)
Longitude: 107.62839° W

10. Field, Pool, Wildcat
Basin Fruitland Coal
11. Sec., Twn, Rge, Mer. (NMPM)
p Sec. 12, T32N, R8W

API # 30-045-34962

14. Distance in Miles from Nearest Town
23 miles/Blanco

12. County
San Juan

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
102'

16. Acres in Lease
421.320

17. Acres Assigned to Well
322.34 (FC) Lot 5-7 & 10-15

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
1250' from Reese Mesa #1A (MV)

19. Proposed Depth
3441'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6784' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

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

24. Authorized by: *Crystal Tafoya*
Crystal Tafoya (Regulatory Technician)

Date

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 2 Hold C104 Bond Numbers NMB-000015 and NMB-000089

for Directional Survey
and "As Drilled" plat

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".

NOTIFY AZTEC OGD 24 HRS:
PRIOR TO CASING & CEMENT

MAY 22 2009

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. 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

RECEIVED

Form C-102
Revised October 12, 2005

OIL CONSERVATION DIVISION

1220 South St. Francis
Santa Fe, NM 87505

APR 23 2009 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 30-045- 34962		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code A720311	*Property Name REESE MESA		*Well Number 104 S
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		*Elevation 6784'

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
P	12	32N	8W	13	102'	SOUTH	334'	EAST	SAN JUAN

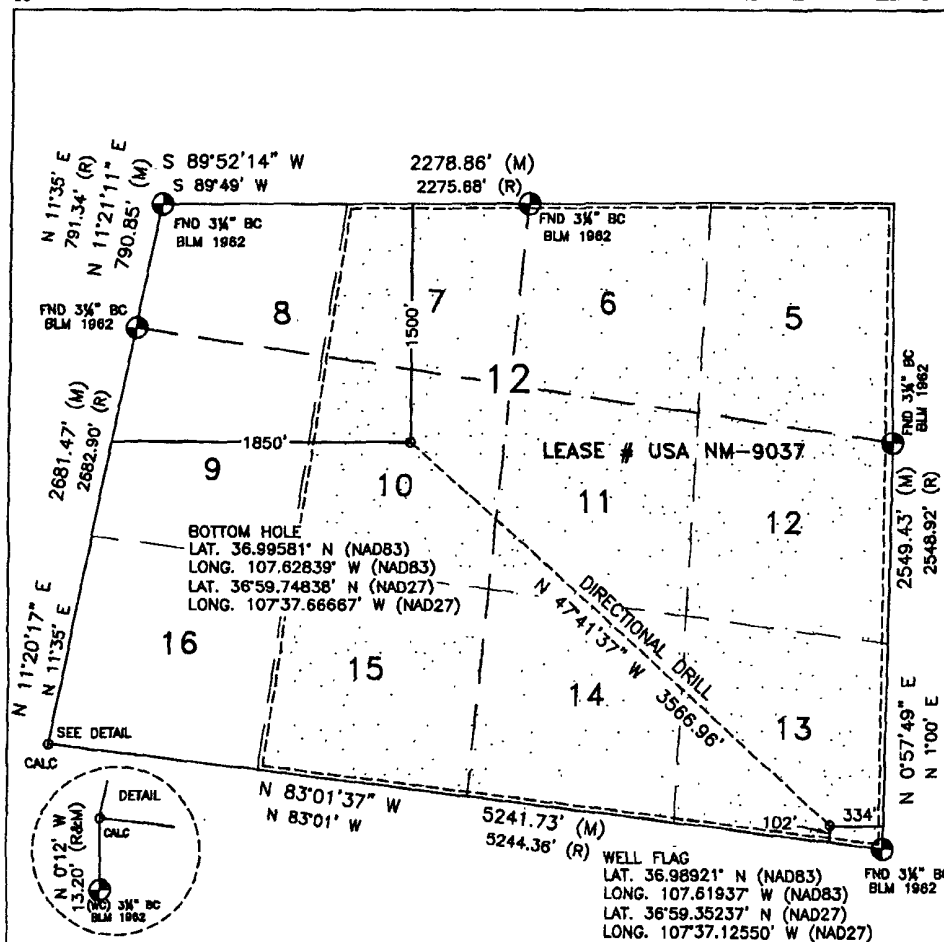
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	12	32N	8W	10	1500'	NORTH	1850'	WEST	SAN JUAN

*Dedicated Acres 322.34 Acres - Lot 5-7 & 10-15	*Joint or Infill	*Consolidation Code	*Order No. R-9055 Tract 7
--	------------------	---------------------	------------------------------

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



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 or a compulsory pooling order heretofore entered by the division.

Signature: Crystal Tafoya 1/15/09
Date

Printed Name
Crystal Tafoya 1-15-09

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.

MAY 17, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

Signature: David R. Russell
Seal: DAVID R. RUSSELL, NEW MEXICO, REGISTERED PROFESSIONAL LAND SURVEYOR, 10201

DAVID RUSSELL
Certificate Number 10201

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PDO7.JE		
REESE MESA # 104 S	DATE	1/15/2008
WELL NAME		
WELL NAME		

COORDINATES

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
P 12	32 N	8 W	36.989.29 N	107.61937 W

COUNTY

SAN JUAN

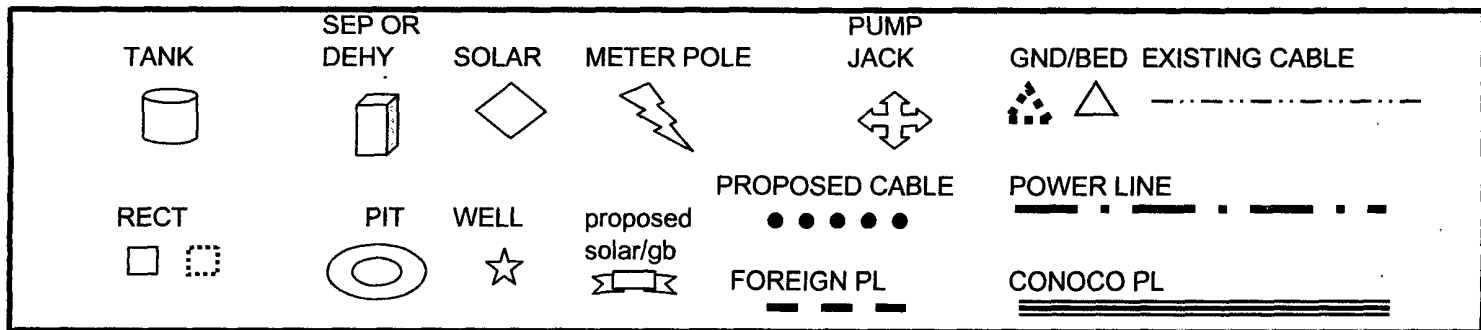
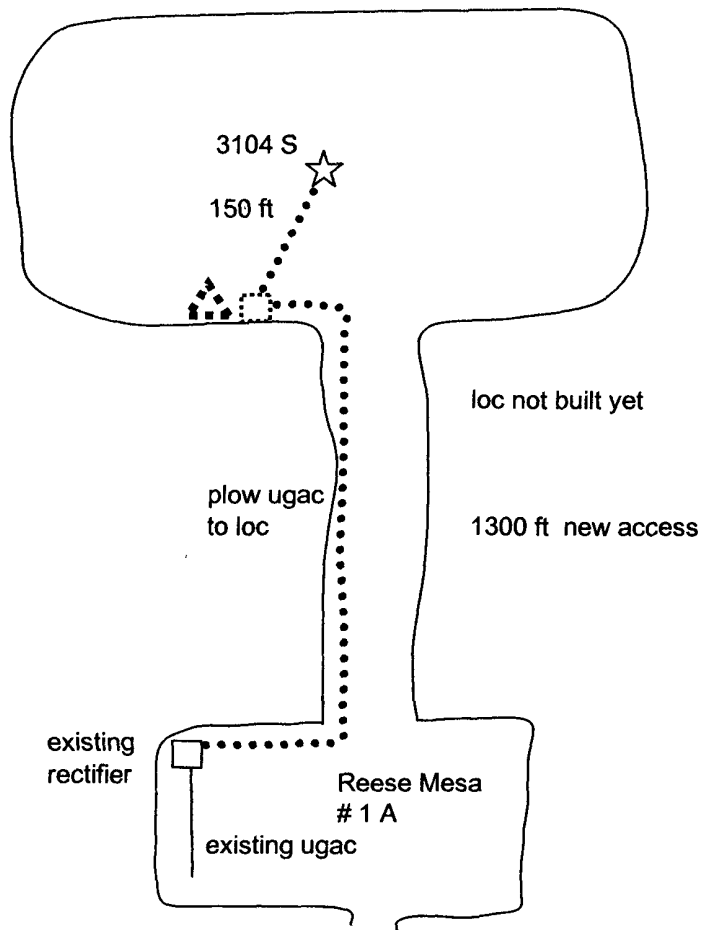
RECTIFIER
SOLAR
GROUND BED
240 V METER POLE
480 V METER POLE
D C CABLES
A C CABLES
PRIMARY POWER
DISTANCE TO POWER
UNDERGROUND
PUMPJACK
WATER PUMP
COMPRESSOR
RTU
SAMS
TANKS

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	x			
	x			
# 8	150 ft			
# 8	1300 ft			
			city Fmt	
			3/4 mile	

COMMENTS

install load center at existing rectifier - plow 1300 ft ugac to location
install rectifier system - some rock

WELL NAME	REESE MESA 104 S
-----------	------------------



RECEIVED

MAY 20 2009

ConocoPhillips
San Juan Business Unit

PROJECT PROPOSAL - New Drill / Stimulation

Bureau of Land Management
Socorro Field Office

REESE MESA 104S

DEVELOPMENT

Lease:		AFF #. WAN.CDR.7412				AFF \$: 3,089,577.96	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
JCV	BASIN FRUITLAND COAL (GAS)						
Location: Surface Datum Code: NAD 27 Horizontal							
Latitude: 36.989206	Longitude: -107.618758	X:	Y:	Section: 12	Range: 008W		
Footage X: 334 FEL	Footage Y: 102 FSL	Elevation: 6784	(FT)	Township: 032N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Horizontal							
Latitude: 36.995806	Longitude: -107.627778	X:	Y:	Section: 12	Range: 008W		
Footage X: 1850 FWL	Footage Y: 1500 FNL	Elevation:	(FT)	Township: 032N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6795 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
SURFACE CSG	200	6595	☐			12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 159 cuft. Circulated Cmt to surface.	
OJO ALAMO	2451	4344	☐				
KIRTLAND	2507	4288	☐				
FRUITLAND	3050	3745	☐	200			
PATH AT BH LATERAL	3425	3370	☐				
PATH 3500' F/SHL LATERAL	3425	3370	☐				
PATH 3000' F/SHL LATERAL	3430	3365	☐				
PATH 2500' F/SHL LATERAL	3434	3361	☐				
PATH 2000' F/SHL LATERAL	3437	3358	☐				
PATH 1500' F/SHL LATERAL	3439	3356	☐				
PATH 500' F/SHL LATERAL	3441	3354	☐				
PATH 1000' F/SHL LATERAL	3441	3354	☐				
PATH 100' F/SHL LATERAL	3441	3354	☐				
Total Depth	3540	3255	☐			8-3/4" hole. 7" 23 ppf, L-80, LTC casing. Cement with 950 cu.ft. Circulate cement to surface	
Reference Wells:							
Reference Type	Well Name		Comments				
Production	Reese Mesa 1-A		32N 8W 12 NE SW SE				
Production	Reese Mesa 3		32N 8W 13 NW SE NE				
Production	Reese Mesa 101S		32N 8W 13 NW SE NE				



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

REESE MESA 104S

DEVELOPMENT

Logging Program:

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

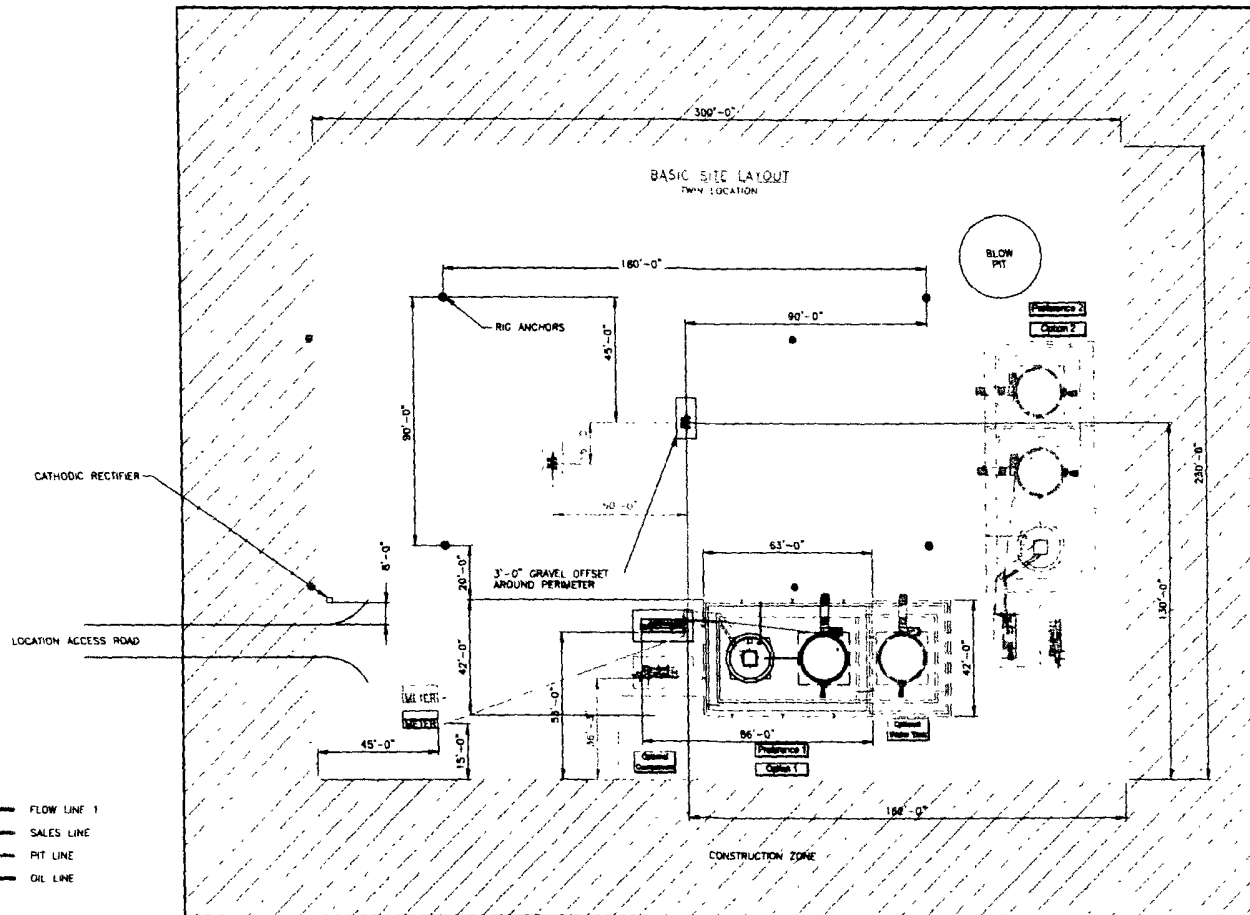
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

MWD - Gamma Ray from start of open hole section to TD

Mudlog from kick off point to TD

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------



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			CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
NO.	DESCRIPTION	DATE	BY	CHK'D	ENG	DES	APP	PROJ	PROD	NO.	DESCRIPTION		CLIENT NO.	CLIENT APPR.	APPR. DATE
	PROCESS														
	REWORK														
	PIPING														
	ELECTRICAL														
	I & C														
	ENVIRONMENTAL														
	PRODUCT														
SAN JUAN BUSINESS UNIT													CLIENT NO.	CLIENT APPR.	APPR. DATE
													SCALE: NONE		CREATION DATE: 6/25/07
													DATE: 6/25/07		
													HP3PHASE-REV1		SHEET NO. 1 OF 5

Path: \\sps\B\Local\Shared\Projects\San Juan\Location Site Layout.dwg, 6/25/2007, 02:36pm

BURLINGTON RESOURCES O&G CO LP

REESE MESA #104 S
102' FSL & 334' FEL
LOCATED IN THE SE/4 SE/4 OF SECTION 12,
T32N, R8W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) ON HWY 511 AT MP 28.6, GO NORTH WESTERLY 0.4 MILES.
- 2) TURN RIGHT AND GO 0.95 MILES.
- 3) TURN RIGHT AND GO 1.0 MILES TO EXISTING LOCATION, ON SOUTHEAST SIDE IS BEGIN ACCESS.
- 4) FOLLOW RED FLAGGING 1227.63' TO LOCATION.

WELL FLAG LOCATED LAT. 36.98921°N LONG. 107.61937°W (NAD 83).

JOB No.: COPC138_REV1
DATE: 05/20/08



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