


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED JUN 08 2012 Farmington Field Office Bureau of Land Management	5. Lease Number NM-01614 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  H₂S POTENTIAL EXIST	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Thompson	9. Well Number 8N
4. Location of Well Surface: Unit F (SENW), 1920' FNL & 2065' FWL Surface: Latitude: 36.872334° N (NAD83) Longitude: 108.105664° W	10. Field, Pool, Wildcat Blanco MV/Basin DK	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 28, T31N, R12W API # 30-045-35371
14. Distance in Miles from Nearest Town 5.8 miles from Flora Vista	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1920'	17. Acres Assigned to Well DK 320.00 Acres N/2 MV 320.00 Acres N/2	
16. Acres in Lease 2560.000	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	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 301' from Thompson 13/FC	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 7184'	22. Approx. Date Work will Start	
21. Elevations (DF, FT, GR, Etc.) 6133' GL		
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory)	5/2/12 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 6/21/12

Archaeological Report attached A gas recovery unit may or may not be used on this location.

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".

JUL 10 2012 *ca*

NMOCD *A*

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

PC

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

Form C-102 Revised

July 16, 2010

Submit one copy to appropriate
District Office

MAR 02 2012

Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-35371		2 Pool Code 71599 / 72319		3 Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
4 Property Code 18628		5 Property Name THOMPSON			6 Well Number 8N
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			9 Elevation 6133'

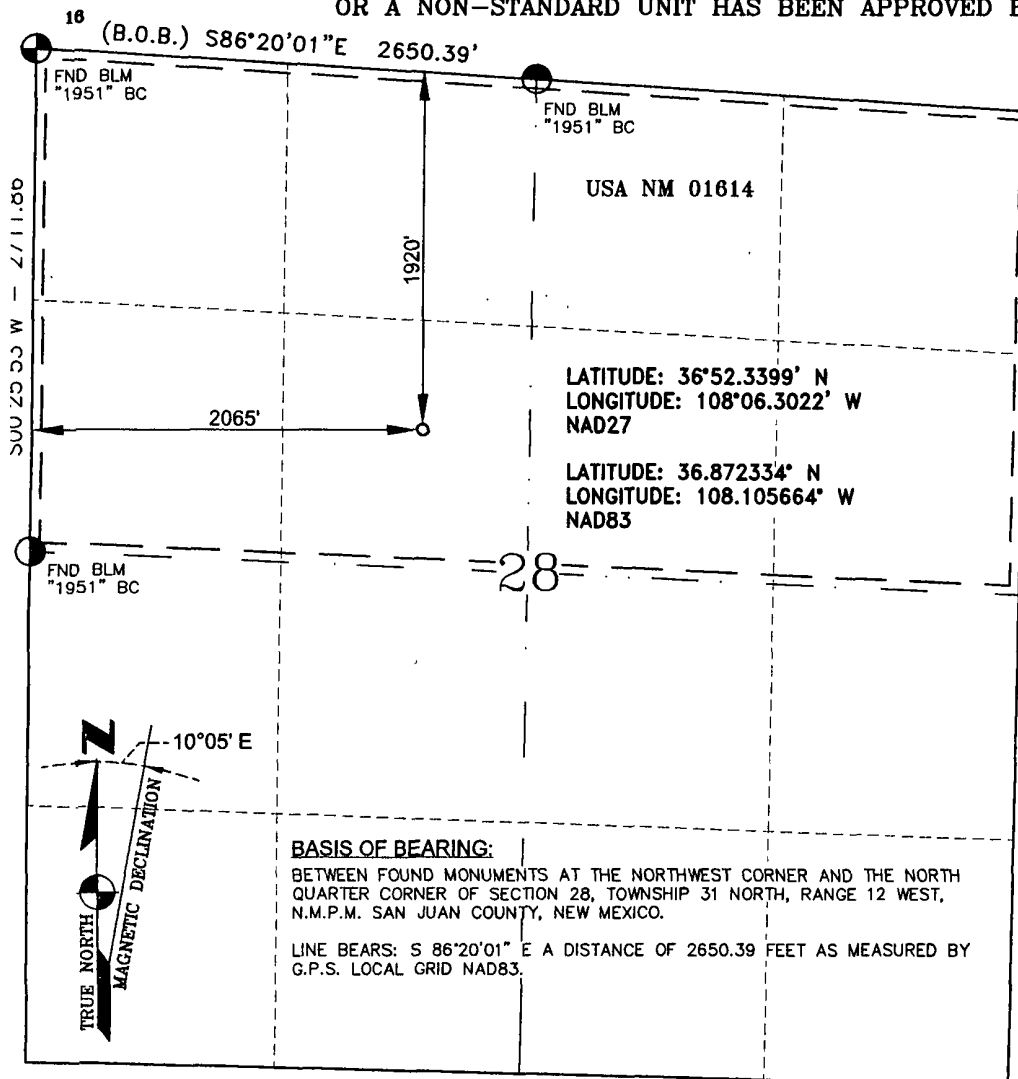
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	28	31-N	12-W		1920	NORTH	2065	WEST	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
12 Dedicated Acres DK 320.00 ACRES N/2 MV 320.00 ACRES N/2					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



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.

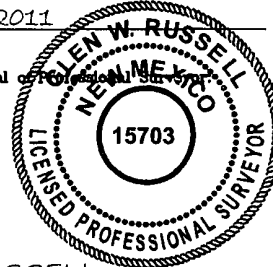
Signature Dollie L. Busse Date 4/13/11
Printed Name
E-mail Address

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.

MARCH 30, 2011
Date of Survey

Signature and Seal of GLEN W. RUSSELL



GLEN W. RUSSELL
Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

THOMPSON 8N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.1011				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 920		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.872332		Longitude: -108.105036		X:	Y:	Section: 28	Range: 012W
Footage X: 2065 FWL		Footage Y: 1920 FNL		Elevation: 6133 (FT)	Township: 031N		
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2015		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6133 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
NACIMIENTO	15	6118		<input type="checkbox"/>			Ground water - Taliaferro 4E (31N 12W 29) md: 80', ss: 5950'
Surface Casing	200	5933		<input type="checkbox"/>		57	12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	873	5260		<input type="checkbox"/>			
KIRTLAND	923	5210		<input type="checkbox"/>			
FRUITLAND	1873	4260		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2499	3634		<input type="checkbox"/>	759	104	
LEWIS	2640	3493		<input type="checkbox"/>			
HUERFANITO BENTONITE	3213	2920		<input type="checkbox"/>			
CHACRA	3574	2559		<input type="checkbox"/>			
UPPER CLIFF HOUSE	4106	2027		<input type="checkbox"/>		136	Gas
MASSIVE CLIFF HOUSE	4108	2025		<input type="checkbox"/>	601		Gas
MENEFEE	4208	1925		<input type="checkbox"/>			
Intermediate Casing	4358	1775		<input type="checkbox"/>			8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 982 cuft. Circulate cement to surface.
POINT LOOKOUT	4827	1306		<input type="checkbox"/>		150	
MANCOS	5177	956		<input type="checkbox"/>			
UPPER GALLUP	6125	8		<input type="checkbox"/>			
GREENHORN	6864	-731		<input type="checkbox"/>			
GRANEROS	6916	-783		<input type="checkbox"/>		192	
TWO WELLS	6978	-845		<input type="checkbox"/>	1950		Gas
PAGUATE	7039	-906		<input type="checkbox"/>			Gas
CUBERO	7072	-939		<input type="checkbox"/>			Gas - Bottom perf ~-1036' (~130' below top pgte, ~15' above TD) base on offset well.
Total Depth	7184	-1051		<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 389 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

THOMPSON 8N

DEVELOPMENT

BURRO CANYON	7200	-1067	<input type="checkbox"/>	Gas - Federal G 1N (31N 12W 35) - completed (twls & pgte) tested brcn & set CIBP. making 13 bwph.
MORRISON	7268	-1135	<input type="checkbox"/>	199

Reference Wells:

Reference Type	Well Name	Comments
Production	THOMPSON 8M	

Logging Program:

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

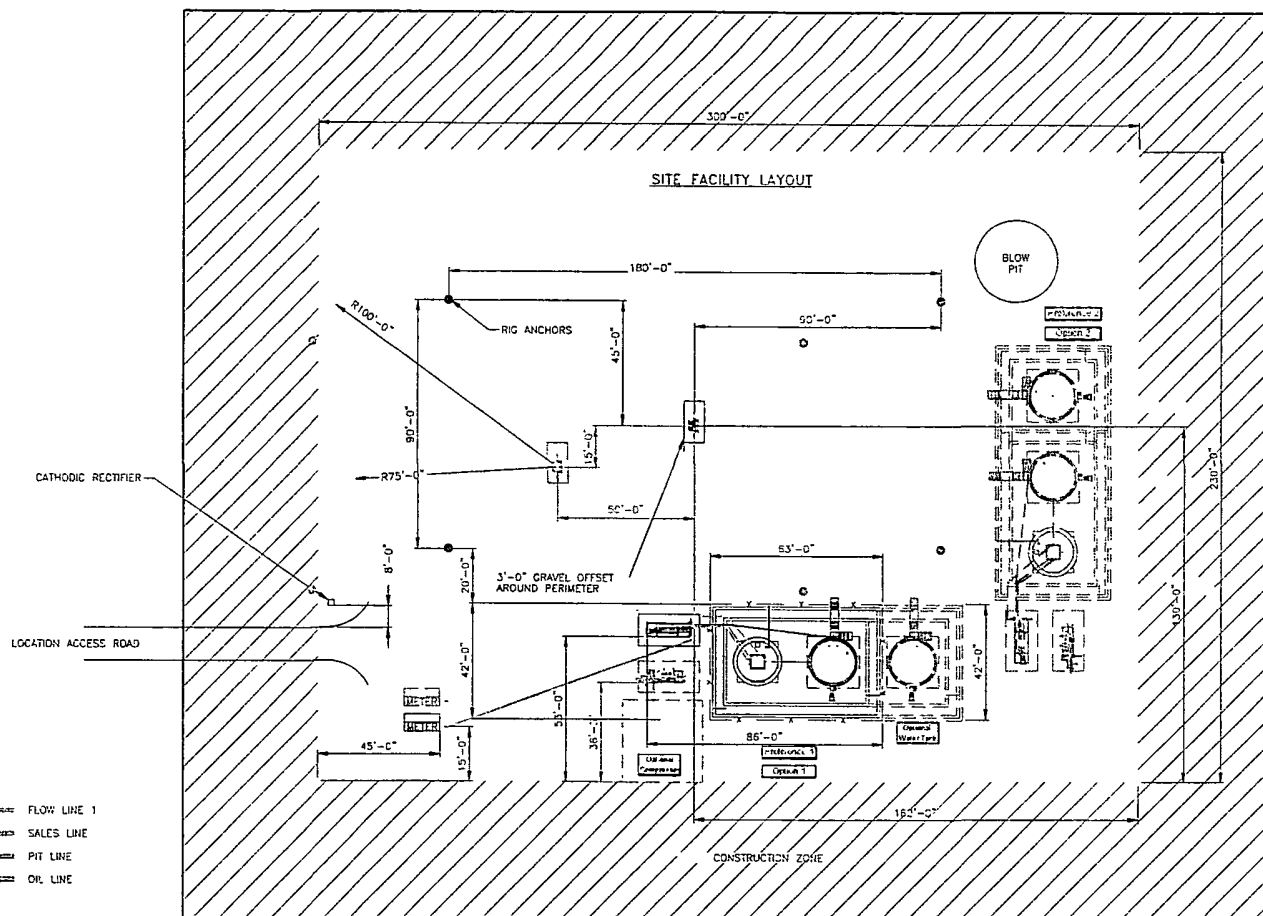
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

BR CBL.
Mud log ~100' above Gallup down to TD.
Mudlogger will call TD.
Bottom perf ~15' above TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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SHEET 3/14/2012 12:26:55 PM, gseeds



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		SAN JUAN BUSINESS UNIT		CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT	
DESCRIPTION	DATE	BY	CHK'D	ENG	DEC	PSJ	USELINE	REVIEWED	DATE	NO.	DESCRIPTION	CLIENT No.	CLIENT APPR.	APPRO. DATE	GRAPH BY	SCALE, NONE	CREATION DATE 8/22/07
PROCESS																	
MECHANICAL																	
PIPING																	
ELECTRICAL																	
I & C																	
CIVIL/STRUCTURAL																	
PROJECT																	

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SHEET NO
1 OF 5

Directions from the Intersection of
Highway 516 & CR 3535 in Flora Vista, NM
to

BURLINGTON RESOURCES OIL & GAS COMPANY LP

THOMPSON #8N

1920' FNL & 2065' FWL,

Section 28, T31N, R12W, N.M.P.M.,

San Juan County, New Mexico

Latitude: 36° 52' 20.403" N

Longitude: 108° 06' 20.392" W

Nad 83

Go north on CR 3535 for 1.7 miles,
stay left (northwesterly) on CR 3536 for 2.6 miles,
turn right @ y-intersection (northeast) 1.4 miles,
turn right (southeasterly) 0.3 miles,
to beginning of new access on southeast side of the
existing well location THOMPSON #13,
from which the new access begins and continues
for 56.64' to newly staked location.

DRILLING CONDITIONS OF APPROVAL

Operator: Burlington Resources
Lease No.: NMNM-01614
Well Name: Thompson #8N
Well Location: Sec.28, T31N, R12W; 1920' FNL & 2065' FWL

To meet minimum standards, Burlington Resources will have at least the bottom 100' of the 7" intermediate casing be 23#.



After hour contact: Shea C. Valdez 505-793-5319