

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 03 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

RCVD JUN 10 '11
OIL CONS. DIV.
DIST. 3

1a. Type of Work DRILL	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		5. Lease Number USA NM-01614 Unit Reporting Number
1b. Type of Well GAS			If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name		
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Thompson 9. Well Number 7M		
4. Location of Well Surface: Unit L(NWSW), 2185' FSL & 825' FWL Surface: Latitude: 36.854413° N (NAD83) Longitude: 108.092133° W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 34, T31N, R12W API # 30-045- 35258		
14. Distance in Miles from Nearest Town 6.9 Miles from Flora Vista, NM	12. County San Juan	13. State NM	
15. Distance from Proposed Location to Nearest Property or Lease Line 825'			
16. Acres in Lease 2,560 Acres	17. Acres Assigned to Well 320 Acres-W/2 (MV/DK)		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1243' from BR-Thompson #7 (MV)			
19. Proposed Depth 7090'	 H₂S POTENTIAL EXIST		20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6065' GL	22. Approx. Date Work will Start		
23. Proposed Casing and Cementing Program See Operations Plan attached			
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)	2-28-11 Date		

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

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

Threatened and Endangered Species Report attached

NOTIFY AZTEC OCD 24 HRS.

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
JUN 22 2011

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

DISTRICT I
1626 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

RECEIVED

Form C-102

Revised July 18, 2010

MAR 03 2011

Submit to Appropriate District Office

Farmington Field Office
Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 35258	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 18628	⁵ Property Name THOMPSON	⁶ Well Number 7M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ ELEVATION 6065'

¹⁰ Surface Location

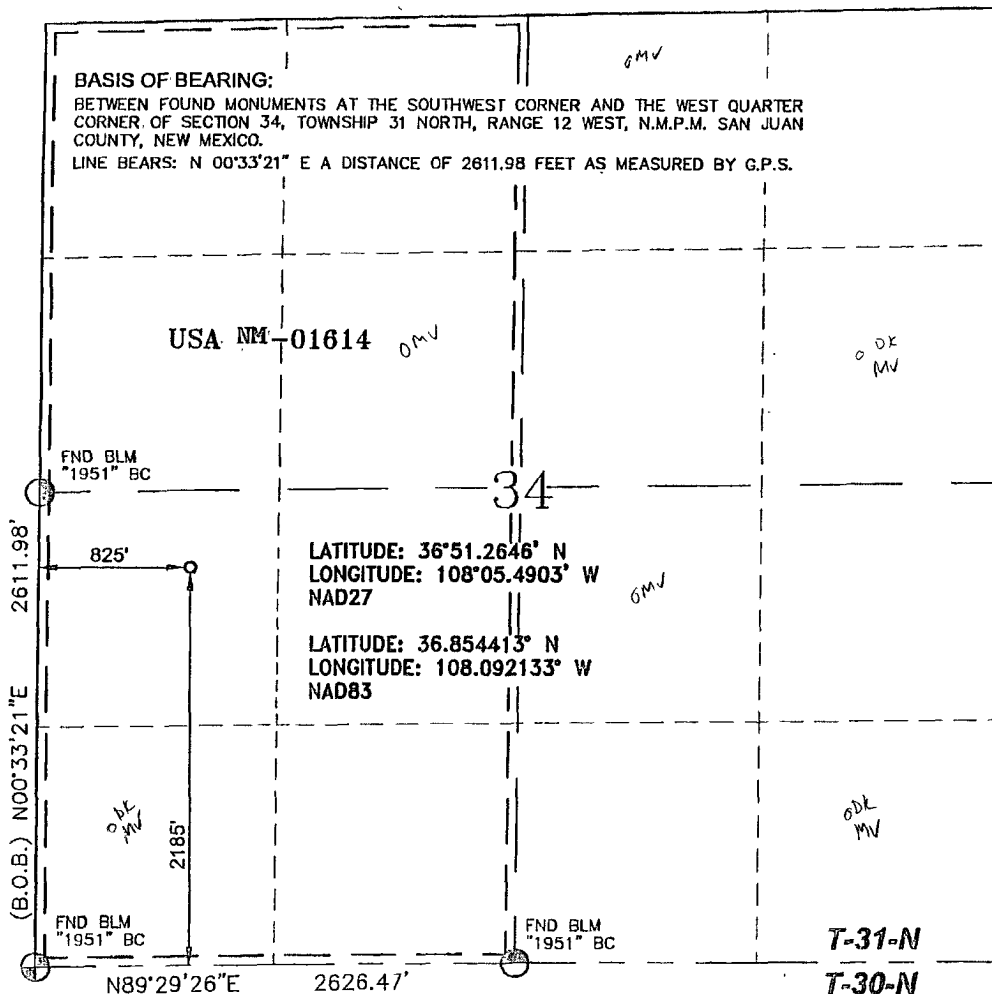
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	34	31-N	12-W		2185	SOUTH	825	WEST	SAN JUAN

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
L									
¹² Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 ACRES W/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

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 of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Brandie Blakley 11-02-10
Signature Date

18 Brandie Blakley
Printed Name
blaklbn@conocophillips.com
E-mail address

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.

11/9/10

Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL

Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

THOMPSON 7M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0087				AFE \$: 0.00	
Field Name: SAN JUAN		Rig: XXX 2013 Holding Rig		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						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface		Datum Code: NAD 27				Straight Hole	
Latitude: 36.854410	Longitude: -108.091506	X:	Y:	Section: 34	Range: 012W		
Footage X: 825 FWL	Footage Y: 2185 FSL	Elevation: 6065	(FT)	Township: 031N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6080 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5880		☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	830	5250		☐			
KIRTLAND	899	5181		☐			
FRUITLAND	1817	4263		☐			Possible Gas
PICTURED CLIFFS	2420	3660		☐			
LEWIS	2580	3500		☐			
HUERFANITO BENTONITE	3154	2926		☐			
CHACRA	3497	2583		☐			
UPPER CLIFF HOUSE	3981	2099		☐			Gas; Cliffhouse is wet
MASSIVE CLIFF HOUSE	4083	1997		☐	605		Gas
MENEFEE	4136	1944		☐			Est. Top Perf - 4336 (1744)
Intermediate Casing	4286	1794		☐		141	8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 966 cuft. Circulate cement to surface.
POINT LOOKOUT	4764	1316		☐			
MANCOS	5086	994		☐			
UPPER GALLUP	6021	59		☐			
GREENHORN	6768	-688		☐			
GRANEROS	6823	-743		☐			
TWO WELLS	6890	-810		☐	2221		Gas
PAGUATE	6944	-864		☐			
LOWER CUBERO	6984	-904		☐			Est. Btm Perf - 7070 (- 990) based on offset wells
UPPER CUBERO	6984	-904		☐			
ENCINAL	7030	-950		☐			TD - 60' below T/ENCN
Total Depth	7090	-1010		☐		197	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 386 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:							

PROJECT PROPOSAL - New Drill / Sidetrack

THOMPSON 7M

DEVELOPMENT

Reference Type	Well Name	Comments
Production	Thompson 11	31N 12W 34 NW SE SE
Production	Thompson 7	31N 12W 34 NE SW SW
Production	Thompson 5M	31N 12W 33 SW NE SE

Logging Program:

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

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

Cased Hole GR / CBL

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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✓
Directions from the Intersection of
Highway 516 & CR 3535 in Flora Vista, NM
to

BURLINGTON RESOURCES OIL & GAS COMPANY L.P
THOMPSON #7M

2185' FSL & 825' FWL,
Section 34, T31N, R12W, N.M.P.M.,

San Juan County, New Mexico

Latitude: 36° 51'15.886" N

Longitude: 108° 05'31.678" 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) 0.9 miles,
turn right (southwesterly) 0.9 miles,
turn right (southerly) 0.8 miles,
to beginning of new access on left side of road.
Turn left (easterly) 213.59' to newly staked location.