

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-3 APD form.

Operator Signature Date: 3-21-14

Well information;

Operator Bullington Well Name and Number San Juan 28-6 Unit # 120M

API# 30-039-31234, Section 9, Township 28 N, Range 6 E

Conditions of Approval:

(See the below checked and handwritten conditions)

- Notify Aztec OCD 24hrs prior to casing & cement.
- Hold C-104 for directional survey & "As Drilled" Plat
- Hold C-104 for NSL, NSP, DHC
- Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
- Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:
 - A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
 - A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
 - A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C
- Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
- Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.

Charles Herr

NMOCD Approved by Signature

4-21-14

Date AV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
MAR 26 2014 DK-NMNM 78412C MV-NMNM 78412A

Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number NM-05493
1b. Type of Well GAS	Unit Reporting Number DK-NMNM 78412C MV-NMNM 78412A
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	6. If Indian, All. or Tribe
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name SAN JUAN 28-6 UNIT
4. Location of Well Surface: Unit P (SESE), 239' FSL & 179' FEL Surface: Latitude: 36.669178° N (NAD83) Longitude: 107.464140° W	8. Farm or Lease Name RCVD APR 11 '14
14. Distance in Miles from Nearest Town 26 miles from Blanco, NM	9. Well Number 120M OIL CONS. DIV. DIST. 3
15. Distance from Proposed Location to Nearest Property or Lease Line 179'	10. Field, Pool, Wildcat BLANCO MV/BASIN DK
16. Acres in Lease 640.00 (see Plats)	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 9, T28N, R6W API# 30-039-31234
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1746' SJ 28-6 #48	12. County RIO ARriba
19. Proposed Depth 8052'	13. State NM
20. Rotary or Cable Tools Rotary	17. Acres Assigned to Well 354.79 Acres - DK 284.20 acres - MV
21. Elevations (DF, FT, GR, Etc.) 6734' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Patsy Clugston</u> Patsy Clugston (Staff Regulatory Tech)	<u>3/21/14</u> Date

PERMIT NO. _____ APPROVAL DATE 4/9/2014
APPROVED BY Troy Salyers 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 4/9/2014

Archaeological Report attached
Threatened and Endangered Species Report attached
NOTE: This format is issued in lieu of U.S. BLM FIELD OFFICE AND INDIAN LANDS 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.

DRILLING OPERATIONS Master Plan Type 3
AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

Bond Numbers NMB-000015 and NMB-000089 subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4
NMOCD A

RECEIVED

DISTRICT I
1025 N. March Dr., Hobbs, NM 88240
Phone: (575) 512-3161 Fax: (575) 512-0750

DISTRICT II
611 S. First St., Lovato, NM 85210
Phone: (505) 743-1229 Fax: (505) 743-0720

DISTRICT III
1000 Rio Arriba Rd., Lordsburg, NM 87626
Phone: (505) 834-0273 Fax: (505) 834-0270

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3450 Fax: (505) 476-3452

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

MAR 26 2014

Form O-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

Farmington Field Office
Bureau of Land Management

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 31234		² Pool Code 71599 / 72319	³ Pool Name BLANCO BASIN DAKOTA/MESAVERDE
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28 - 6 UNIT		⁶ Well Number 120M
⁷ OBED No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 6734'

¹⁰ Surface Location

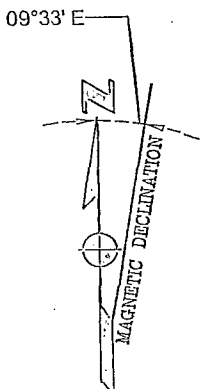
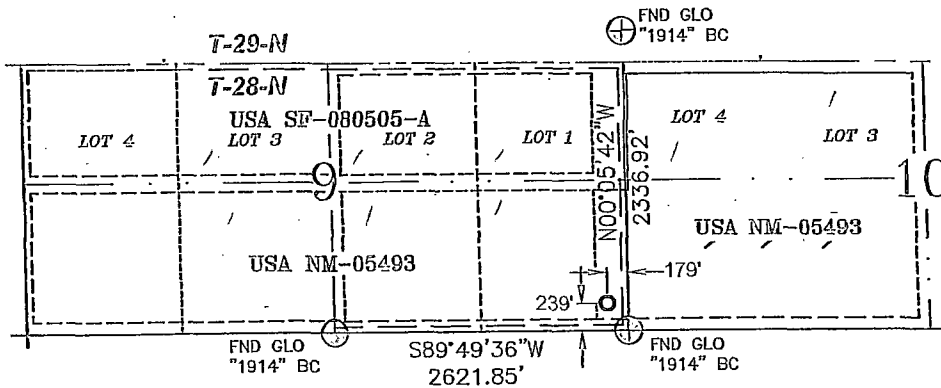
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	9	28-N	6-W		239	SOUTH	179	EAST	RIO ARRIBA

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
¹² Dedicated Acres DK 354.79 ACRES All Sec. 9 plus W/2 of Sec. 10 MV 284.20 ACRES Sec. 9 only		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R-2948 - DK			

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

Sections 9 lots 1,2,3, SE SW, 1/2 SE
10 lots 3,4, 1/2 SW



LATITUDE: 36°40.1502' N
LONGITUDE: 107°27.8122' W
NAD27

LATITUDE: 36.669178° N
LONGITUDE: 107.464140° W
NAD83

BASIS OF BEARING:

BETWEEN FOUND MONUMENTS AT THE SOUTHEAST CORNER AND THE SOUTH QUARTER CORNER OF SECTION 9, TOWNSHIP 28 NORTH, RANGE 6 WEST, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO.

LINE BEARS: S 89°49'36" W A DISTANCE OF 2621.85 FEET AS MEASURED BY G.P.S. LOCAL GRID NAD83.

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 released 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.

Arleen White 12/11/10

Signature Date
Arleen White
Printed Name
arleen.r.white@conocophillips.com
E-mail Address

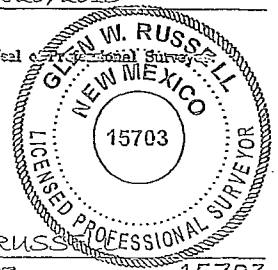
¹⁸ SURVEYOR CERTIFICATION

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.

NOVEMBER 20, 2013

Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL
Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-6 UNIT 120M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.3034				AFE \$:	
Field Name: SAN JUAN		Rig: 2014 Pushing Rig 2 (MV/DK)		State: NM	County: RIO ARRIBA		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: 36.669170		Longitude: -107.463536		X:	Y:	Section: 09	Range: 006W
Footage X: 179 FEL		Footage Y: 239 FSL		Elevation: 6734 (FT)		Township: 028N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2014		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6749 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6549		<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1365	5384		<input type="checkbox"/>			
OJO ALAMO	2838	3911		<input type="checkbox"/>			
KIRTLAND	2946	3803		<input type="checkbox"/>			
FRUITLAND	3230	3519		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3614	3135		<input type="checkbox"/>	1074		
LEWIS	3760	2989		<input type="checkbox"/>			
Intermediate Casing	3911	2838		<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 881 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4334	2415		<input type="checkbox"/>			
CHACRA	4582	2167		<input type="checkbox"/>			Est top perf @ top of Chacra
MASSIVE CLIFF HOUSE	5329	1420		<input type="checkbox"/>	524		Gas; Cliffhouse is dry
MENEFFEE	5460	1289		<input type="checkbox"/>			
POINT LOOKOUT	5836	913		<input type="checkbox"/>			
MANCOS	6284	465		<input type="checkbox"/>			
UPPER GALLUP	7057	-308		<input type="checkbox"/>			
GREENHORN	7752	-1003		<input type="checkbox"/>			
GRANEROS	7792	-1043		<input type="checkbox"/>			
TWO WELLS	7843	-1094		<input type="checkbox"/>	2578		Gas
PAGUATE	7912	-1163		<input type="checkbox"/>			
UPPER CUBERO	7933	-1184		<input type="checkbox"/>			
LOWER CUBERO	7973	-1224		<input type="checkbox"/>			
Total Depth	8052	-1303		<input type="checkbox"/>		204	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 543 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	8057	-1308		<input type="checkbox"/>			TD at the top of Encinal. Est bottom perf 15' from TD.

Reference Wells:

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 28-6 UNIT 120M

DEVELOPMENT

Reference Type	Well Name	Comments
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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

Mud log from ~100' above the top of the Upper Gallup to TD. Mud loggers will call final TD. Est bottom perf 15' from TD.

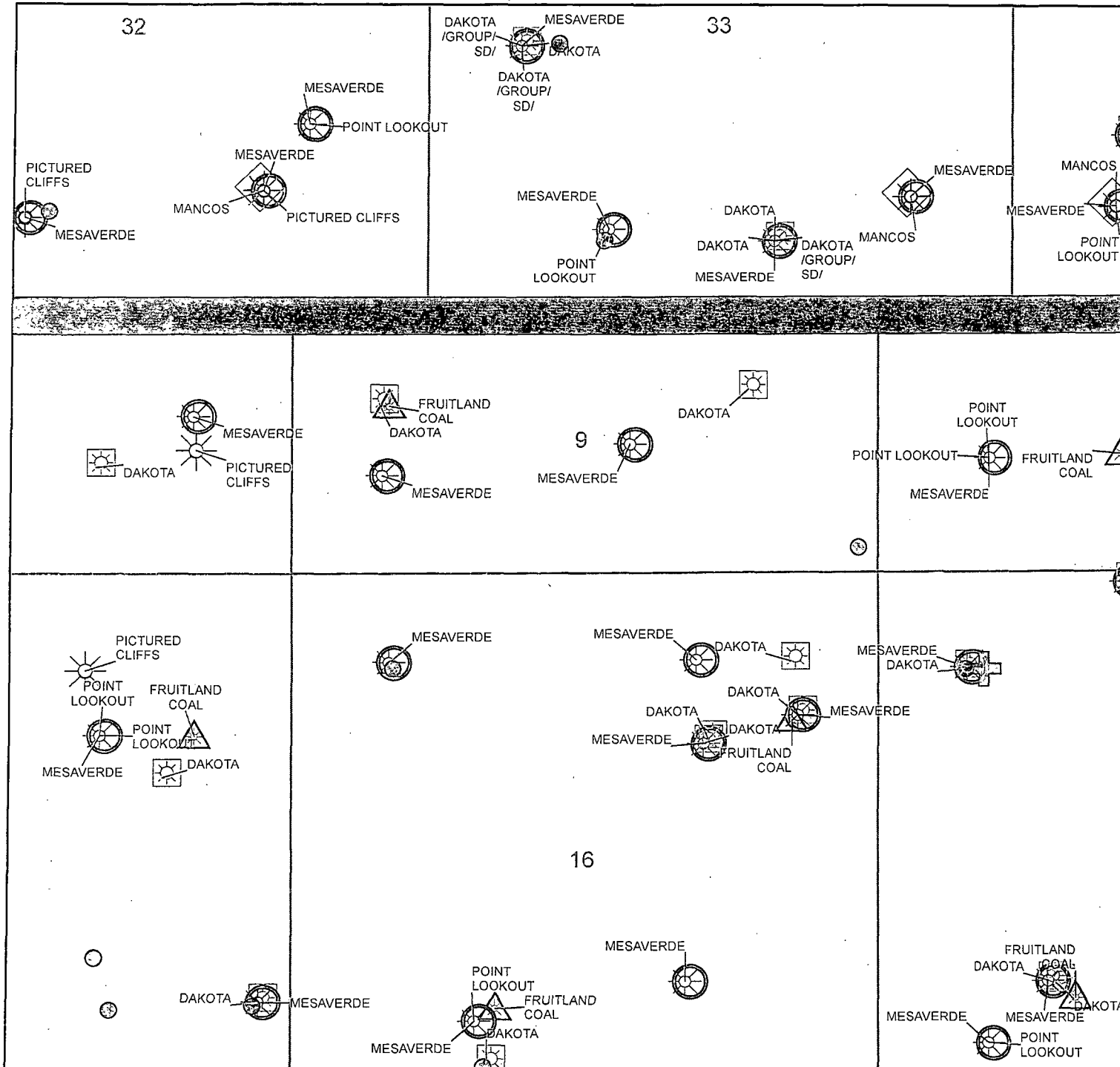
Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Directions from the Post Office
In Blanco, NM to
Burlington Resources Oil & Gas Company LP
SAN JUAN 28-6 UNIT 120M
239' FSL & 179' FEL,
Section 9, T28N, R6W, N.M.P.M., Rio Arriba County,
New Mexico

Latitude: 36° 40' 09.040" N
Longitude: 107° 27' 50.905" W
Nad 1983

From the Post Office in Blanco, NM
Take Hwy 64 east for 22.8 miles
Turn right (southeasterly) for 1.96 miles.
Turn right (southwesterly) for 1.3 miles,
To the top of snake hill,
Turn right (northwesterly) 0.4 miles,
To the beginning of new access
on the right (north) side of the road
which begins and continues northerly for 664.39'
to the newly staked well location.



ConocoPhillips

SAN JUAN 28-6 UNIT 120M

MAP 1A

SEC. 9, T28N, R6W

Author:	Title: Date: 3/11/2014
Compiled by:	Scale:

