

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: 7/29/14

Well information;

Operator Burlington, Well Name and Number Scott #2m

API# 30-045-35584, Section 31, Township 32 N/S, Range 10 E/W

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
- ☒ Regarding Hydraulic Fracturing, review EPA Underground Injection Control Guidance 84
- ☐ 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 Hernandez
NMOCD Approved by Signature

9-9-2014
Date JO

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

1a. Type of Work ☒ DRILL ☐ RE-ENTER
b. Type of Well: ☐ Oil Well ☒ Gas Well

Other: _____

2. Name of Operator
Burlington Resources Oil & Gas Company

3. Address:
PO Box 4289, Farmington, NM 87499

3a. Phone No. (include area code)
(505) 326-9700

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface **Unit I (NESE), 1582' FSL & 973' FEL**
Latitude **36.9388930° N**
Longitude **107.9182075° W**
At BHL **Unit O (SWSE), 975' FSL & 1860' FEL**
Latitude **36.9372211° N**
Longitude **107.9212533° W**

5. Lease Serial
SF-078604

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
Scott 2M

9. API Well No.
30-045-35584

10. Field and Pool or Exploratory
Basin Dakota / Blanco Mesaverde

11. Sec., T., R., M., on Block and Survey or Area
Suf: **Sec. 31, T32N, R10W**
BHL: **Sec. 31, T32N, R10W**

12. County or Parish
San Juan

13. State
New Mexico

14. Distance in miles from Nearest Town
Aztec (14 miles)

15. Distance from Proposed Location to
Nearest Property or Lease Line: **973'**

16. Acres in Lease
2157.85 acres

17. Acres Assigned to Well.:
318.46 (E/2) MV

18. Distance from Proposed Location to Nearest Well,
Drlg, Compl, or Applied for on this lease

19. Proposed Depth
7427'

318.46 (E/2) DK

72' Scott 2A (MV/PC)

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6006'

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

RCVD SEP 2 '14

24. Authorized by: Dollie L. Busse
Dollie L. Busse Staff Regulatory Tech

7-29-14 OIL CONS. DIV.
Date **DIST. 3**

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

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

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

NMOCDAV

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

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-8181 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-8178 Fax: (505) 334-8170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505
Phone: (505) 478-3480 Fax: (505) 478-3482

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

RECEIVED

JUL 29 2014

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

Permitting Field Office
Bureau of Land Management
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 35584	*Pool Code 72319 / 71599	*Pool Name BLANCO MESA VERDE / BASIN DAKOTA
*Property Code 7493	*Property Name SCOTT	*Well Number 2M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6006

¹⁰ Surface Location

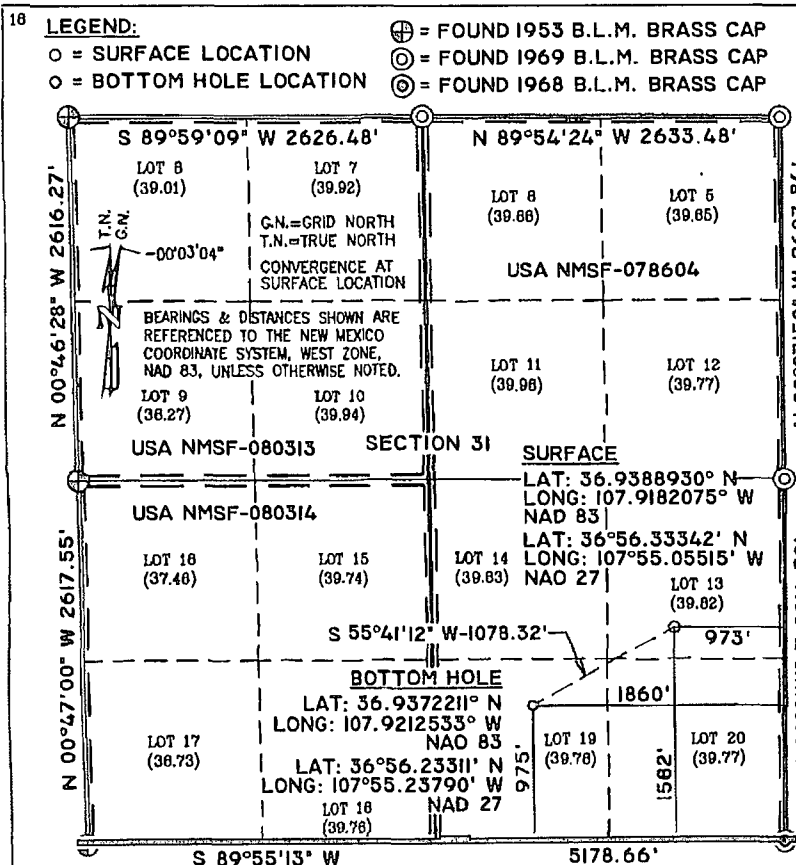
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	31	32 N	10 W	LOT 13	1582	SOUTH	" 973	EAST	SAN JUAN

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
O	31	32 N	10 W	LOT 19	975	SOUTH	1860	EAST	SAN JUAN

¹² Dedicated Acres 318.46 (E/2) MV 318.46 (E/2) DK	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Dollie L. Busse 3/27/14
Signature Date
Dollie L. Busse
Printed Name
dollie.l.busse@cop.com
E-mail Address

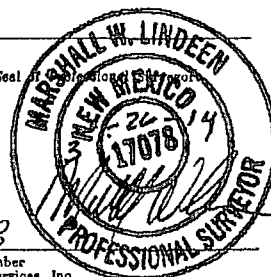
¹⁸ SURVEYOR CERTIFICATION

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.

03/11/14

Date of Survey

Signature and Seal



17078
Certificate Number
United Field Services, Inc.

OIL CONS. DIV DIST. 3

SEP 02 2014

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SCOTT 2M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.3055				AFE \$:	
Field Name: SAN JUAN		Rig: 2014-2015 Rig Program		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 Directional:							
Latitude: 36.938890	Longitude: -107.917586	X:	Y:	Section: 31		Range: 010W	
Footage X: 973 FEL	Footage Y: 1582 FSL	Elevation: 6006	(FT)	Township: 032N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional:							
Latitude: 36.937218	Longitude: -107.920632	X:	Y:	Section: 31		Range: 010W	
Footage X: 1860 FEL	Footage Y: 975 FSL	Elevation:	(FT)	Township: 032N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2015		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6021 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
NACIMIENTO	0	6021		☐			Surface geology
Surface Casing	200	5821		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 112 cuft. Circulate cement to surface.
OJO ALAMO	1129	4892		☐			
KIRTLAND	1199	4822		☐			
FRUITLAND	2181	3840		☐			Possible Gas
PICTURED CLIFFS	2799	3222		☐	46	118	
LEWIS	2984	3037		☐			
HUERFANITO BENTONITE	3477	2544		☐			
Intermediate Casing	3897	2124		☐	121		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 920 cuft. Circulate cement to surface.
CHACRA	3900	2121		☐			
MASSIVE CLIFF HOUSE	4590	1431		☐	203		Gas
MENEFEE	4675	1346		☐			
POINT LOOKOUT	5070	951		☐			
MANCOS	5385	636		☐			
UPPER GALLUP	6369	-348		☐			
GREENHORN	7121	-1100		☐			
GRANEROS	7171	-1150		☐			
TWO WELLS	7236	-1215		☐	2979		Gas
PAGUATE	7316	-1295		☐			
UPPER CUBERO	7336	-1315		☐			
LOWER CUBERO	7346	-1325		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SCOTT 2M

DEVELOPMENT

ENCINAL	7397	-1376	☐		TD ~30' below the top of Encinal. Est bottom perf 15' from TD.
Total Depth	7427	-1406	☐	200	6-1/4" hole, 4-1/2" 11.6 ppf, N/L-80, LTC/BTC casing. Cement w/464 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

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 Upper Gallup to TD. Mud loggers will call final TD.

Additional Information:

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

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Scott #2M
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6021.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6021.0usft (Original Well Elev)
Site:	Other Named Wells	North Reference:	Grid
Well:	Scott #2M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1, APD		

Project	San Juan Basin - New Mexico West Wells, New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	Other Named Wells				
Site Position:		Northing:	2,108,178.26 usft	Latitude:	36° 47' 33.793 N
From:	Lat/Long	Easting:	643,887.63 usft	Longitude:	107° 20' 30.932 W
Position Uncertainty:	15.0 usft	Slot Radius:	6-1/8"	Grid Convergence:	0.29 °

Well	Scott #2M					
Well Position	+N/-S	0.0 usft	Northing:	2,161,033.06 usft	Latitude:	36° 56' 20.005 N
	+E/-W	0.0 usft	Easting:	475,377.31 usft	Longitude:	107° 55' 3.309 W
Position Uncertainty		2.5 usft	Wellhead Elevation:	usft	Ground Level:	6,006.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2013	2/19/2014	9.70	63.55	50,496

Design	Design #1, APD			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	235.69

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.0	22.00	235.69	1,373.2	-117.6	-172.3	2.00	2.00	0.00	235.69	
3,350.8	22.00	235.69	3,181.9	-529.5	-775.9	0.00	0.00	0.00	0.00	
4,084.1	0.00	0.00	3,897.3	-607.9	-890.8	3.00	-3.00	0.00	180.00	
7,613.8	0.00	0.00	7,427.0	-607.9	-890.8	0.00	0.00	0.00	0.00	Scott 2M BHL

ConocoPhillips

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJB
 Project: San Juan Basin - New Mexico West Wells
 Site: Other Named Wells
 Well: Scott #2M
 Wellbore: Wellbore #1
 Design: Design #1, APD

Local Co-ordinate Reference: Well Scott #2M
 TVD Reference: WELL @ 6021.0usft (Original Well Elev)
 MD Reference: WELL @ 6021.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
NACIMIENTO									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface - 9-5/8"									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	2.00	235.69	400.0	-1.0	-1.4	1.7	2.00	2.00	0.00
500.0	4.00	235.69	499.8	-3.9	-5.8	7.0	2.00	2.00	0.00
600.0	6.00	235.69	599.5	-8.8	-13.0	15.7	2.00	2.00	0.00
700.0	8.00	235.69	698.7	-15.7	-23.0	27.9	2.00	2.00	0.00
800.0	10.00	235.69	797.5	-24.5	-35.9	43.5	2.00	2.00	0.00
900.0	12.00	235.69	895.6	-35.3	-51.7	62.6	2.00	2.00	0.00
1,000.0	14.00	235.69	993.1	-48.0	-70.3	85.1	2.00	2.00	0.00
1,100.0	16.00	235.69	1,089.6	-62.6	-91.7	111.0	2.00	2.00	0.00
1,141.0	16.82	235.69	1,129.0	-69.1	-101.2	122.6	2.00	2.00	0.00
OJO ALAMO									
1,200.0	18.00	235.69	1,185.3	-79.0	-115.8	140.2	2.00	2.00	0.00
1,214.5	18.29	235.69	1,199.0	-81.6	-119.5	144.7	2.00	2.00	0.00
KIRTLAND									
1,300.0	20.00	235.69	1,279.8	-97.4	-142.7	172.8	2.00	2.00	0.00
1,400.0	22.00	235.69	1,373.2	-117.6	-172.3	208.6	2.00	2.00	0.00
1,500.0	22.00	235.69	1,465.9	-138.7	-203.2	246.1	0.00	0.00	0.00
1,600.0	22.00	235.69	1,558.6	-159.8	-234.2	283.5	0.00	0.00	0.00
1,700.0	22.00	235.69	1,651.3	-180.9	-265.1	321.0	0.00	0.00	0.00
1,800.0	22.00	235.69	1,744.0	-202.0	-296.1	358.4	0.00	0.00	0.00
1,900.0	22.00	235.69	1,836.8	-223.2	-327.0	395.9	0.00	0.00	0.00
2,000.0	22.00	235.69	1,929.5	-244.3	-358.0	433.4	0.00	0.00	0.00
2,100.0	22.00	235.69	2,022.2	-265.4	-388.9	470.8	0.00	0.00	0.00
2,200.0	22.00	235.69	2,114.9	-286.5	-419.8	508.3	0.00	0.00	0.00
2,271.3	22.00	235.69	2,181.0	-301.6	-441.9	535.0	0.00	0.00	0.00
FRUITLAND									
2,300.0	22.00	235.69	2,207.6	-307.6	-450.8	545.7	0.00	0.00	0.00
2,400.0	22.00	235.69	2,300.4	-328.7	-481.7	583.2	0.00	0.00	0.00
2,500.0	22.00	235.69	2,393.1	-349.9	-512.7	620.7	0.00	0.00	0.00
2,600.0	22.00	235.69	2,485.8	-371.0	-543.6	658.1	0.00	0.00	0.00
2,700.0	22.00	235.69	2,578.5	-392.1	-574.6	695.6	0.00	0.00	0.00
2,800.0	22.00	235.69	2,671.2	-413.2	-605.5	733.1	0.00	0.00	0.00
2,900.0	22.00	235.69	2,763.9	-434.3	-636.4	770.5	0.00	0.00	0.00
2,937.8	22.00	235.69	2,799.0	-442.3	-648.1	784.7	0.00	0.00	0.00
PICTURED CLIFFS									
3,000.0	22.00	235.69	2,856.7	-455.4	-667.4	808.0	0.00	0.00	0.00
3,100.0	22.00	235.69	2,949.4	-476.6	-698.3	845.4	0.00	0.00	0.00
3,137.3	22.00	235.69	2,984.0	-484.4	-709.9	859.4	0.00	0.00	0.00
LEWIS									
3,200.0	22.00	235.69	3,042.1	-497.7	-729.3	882.9	0.00	0.00	0.00
3,300.0	22.00	235.69	3,134.8	-518.8	-760.2	920.4	0.00	0.00	0.00
3,350.8	22.00	235.69	3,181.9	-529.5	-775.9	939.4	0.00	0.00	0.00
3,400.0	20.52	235.69	3,227.8	-539.6	-790.7	957.2	3.00	-3.00	0.00
3,500.0	17.52	235.69	3,322.3	-557.9	-817.6	989.8	3.00	-3.00	0.00
3,600.0	14.52	235.69	3,418.4	-573.5	-840.4	1,017.4	3.00	-3.00	0.00
3,660.3	12.71	235.69	3,477.0	-581.5	-852.1	1,031.6	3.00	-3.00	0.00
HUERFANITO BENTONITE									
3,700.0	11.52	235.69	3,515.8	-586.2	-859.0	1,039.9	3.00	-3.00	0.00

ConocoPhillips

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJBU
 Project: San Juan Basin - New Mexico West Wells
 Site: Other Named Wells
 Well: Scott #2M
 Wellbore: Wellbore #1
 Design: Design #1, APD

Local Co-ordinate Reference: Well Scott #2M
 TVD Reference: WELL @ 6021.0usft (Original Well Elev)
 MD Reference: WELL @ 6021.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,800.0	8.52	235.69	3,614.3	-596.0	-873.4	1,057.3	3.00	-3.00	0.00
3,900.0	5.52	235.69	3,713.5	-602.9	-883.5	1,069.6	3.00	-3.00	0.00
4,000.0	2.52	235.69	3,813.3	-606.8	-889.3	1,076.6	3.00	-3.00	0.00
4,083.8	0.01	235.69	3,897.0	-607.9	-890.8	1,078.4	3.00	-3.00	0.00
Intermediate - 7"									
4,084.1	0.00	0.00	3,897.3	-607.9	-890.8	1,078.4	3.00	-3.00	0.00
4,086.8	0.00	0.00	3,900.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
CHACRA									
4,100.0	0.00	0.00	3,913.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
4,200.0	0.00	0.00	4,013.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
4,300.0	0.00	0.00	4,113.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
4,400.0	0.00	0.00	4,213.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
4,500.0	0.00	0.00	4,313.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
4,600.0	0.00	0.00	4,413.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
4,700.0	0.00	0.00	4,513.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
4,776.8	0.00	0.00	4,590.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
MASSIVE CLIFF HOUSE									
4,800.0	0.00	0.00	4,613.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
4,861.8	0.00	0.00	4,675.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
MENEFFEE									
4,900.0	0.00	0.00	4,713.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
5,000.0	0.00	0.00	4,813.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
5,100.0	0.00	0.00	4,913.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
5,200.0	0.00	0.00	5,013.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
5,256.8	0.00	0.00	5,070.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
POINT LOOKOUT									
5,300.0	0.00	0.00	5,113.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
5,400.0	0.00	0.00	5,213.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
5,500.0	0.00	0.00	5,313.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
5,571.8	0.00	0.00	5,385.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
MANCOS									
5,600.0	0.00	0.00	5,413.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,513.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,613.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,713.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,813.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
6,100.0	0.00	0.00	5,913.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,013.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,113.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,213.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,313.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
6,555.8	0.00	0.00	6,369.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
UPPER GALLUP									
6,600.0	0.00	0.00	6,413.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,513.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,613.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,713.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,813.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
7,100.0	0.00	0.00	6,913.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,013.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,113.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
7,307.8	0.00	0.00	7,121.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJBU
 Project: San Juan Basin - New Mexico West Wells
 Site: Other Named Wells
 Well: Scott #2M
 Wellbore: Wellbore #1
 Design: Design #1, APD

Local Co-ordinate Reference: Well Scott #2M
 TVD Reference: WELL @ 6021.0usft (Original Well Elev)
 MD Reference: WELL @ 6021.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
GREENHORN									
7,357.8	0.00	0.00	7,171.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
GRANEROS									
7,400.0	0.00	0.00	7,213.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
7,422.8	0.00	0.00	7,236.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
TWO WELLS									
7,500.0	0.00	0.00	7,313.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
7,502.8	0.00	0.00	7,316.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
PAGUATE									
7,522.8	0.00	0.00	7,336.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
UPPER CUBERO									
7,532.8	0.00	0.00	7,346.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
LOWER CUBERO									
7,583.8	0.00	0.00	7,397.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00
ENCINAL									
7,600.0	0.00	0.00	7,413.2	-607.9	-890.8	1,078.4	0.00	0.00	0.00
7,613.8	0.00	0.00	7,427.0	-607.9	-890.8	1,078.4	0.00	0.00	0.00

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Scott 2M BHL	0.00	0.00	7,427.0	-607.9	-890.8	2,160,425.22	474,486.60	36° 56' 13.987 N	107° 55' 14.274 W
- plan hits target center									
- Point									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
200.0	200.0	Surface - 9-5/8"	9-5/8	12-1/4
4,083.8	3,897.0	Intermediate - 7"	7	8-3/4
7,613.8	7,427.0	Production - 4-1/2"	4-1/2	6-1/4

ConocoPhillips

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico West Wells
Site: Other Named Wells
Well: Scott #2M
Wellbore: Wellbore #1
Design: Design #1, APD

Local Co-ordinate Reference: Well Scott #2M
TVD Reference: WELL @ 6021.0usft (Original Well Elev)
MD Reference: WELL @ 6021.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,256.8	5,070.0	POINT LOOKOUT		0.00	
3,660.3	3,477.0	HUERFANITO BENTONITE		0.00	
7,532.8	7,346.0	LOWER CUBERO		0.00	
5,571.8	5,385.0	MANCOS		0.00	
7,357.8	7,171.0	GRANEROS		0.00	
1,141.0	1,129.0	OJO ALAMO		0.00	
7,502.8	7,316.0	PAGUATE		0.00	
4,086.8	3,900.0	CHACRA		0.00	
7,583.8	7,397.0	ENCINAL		0.00	
2,271.3	2,181.0	FRUITLAND		0.00	
3,137.3	2,984.0	LEWIS		0.00	
4,861.8	4,675.0	MENEFEE		0.00	
6,555.8	6,369.0	UPPER GALLUP		0.00	
7,522.8	7,336.0	UPPER CUBERO		0.00	
1,214.5	1,199.0	KIRTLAND		0.00	
7,307.8	7,121.0	GREENHORN		0.00	
2,937.8	2,799.0	PICTURED CLIFFS		0.00	
7,422.8	7,236.0	TWO WELLS		0.00	
0.0	0.0	NACIMIENTO		0.00	
4,776.8	4,590.0	MASSIVE CLIFF HOUSE		0.00	

REFERENCE INFORMATION

WELL @ 6021.0usft (Original Well Elev)
Ground Elevation 6006.0
Reference Lat: 36° 56' 20.005 N
Reference Long: 107° 55' 3.309 W

Project: San Juan Basin - New Mexico West V
Site: Other Named Wells
Well: Scott #2M
Wellbore: Wellbore #1
Design: Design #1, APD



SECTION DETAILS

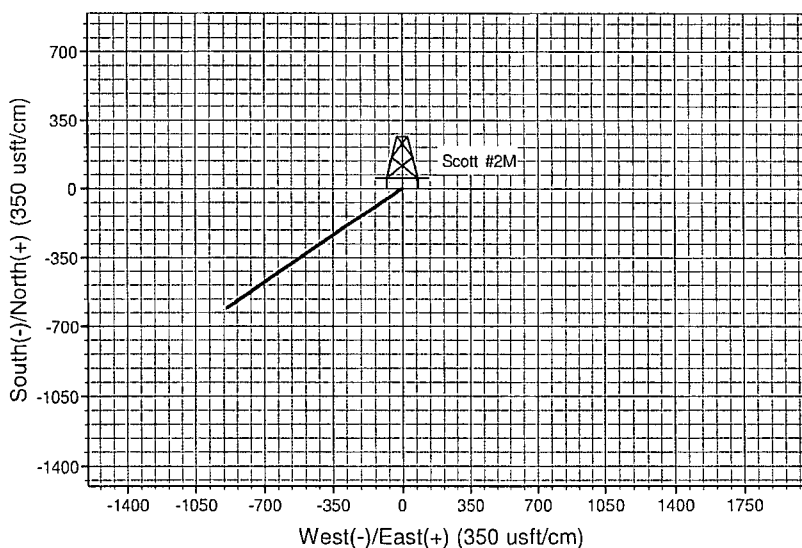
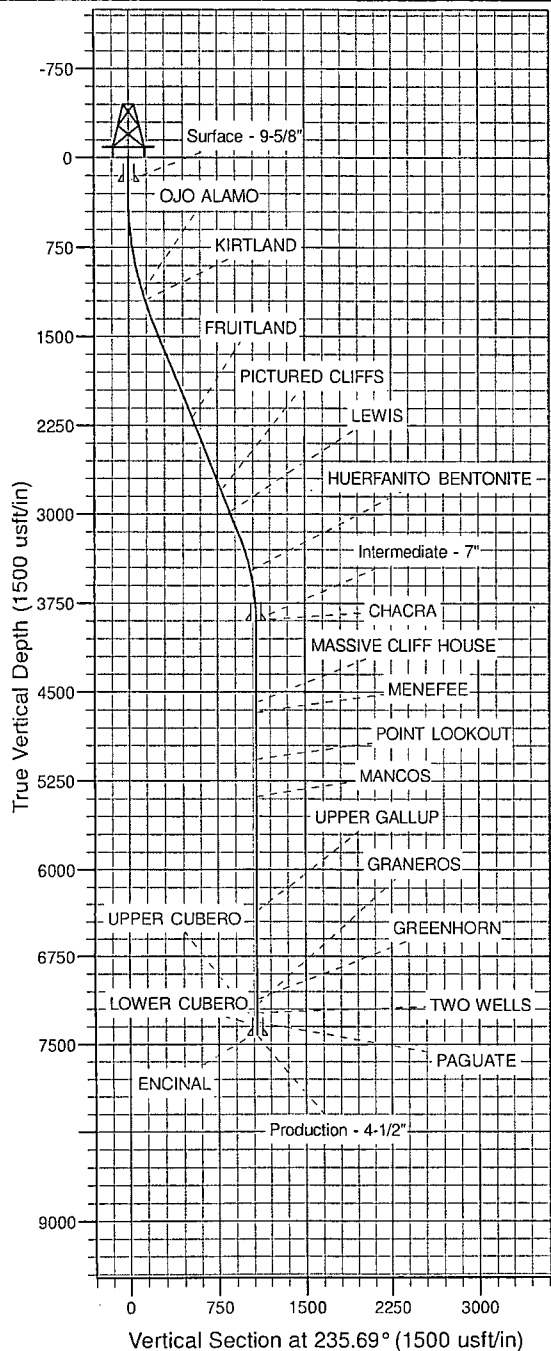
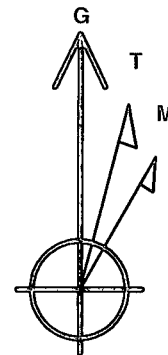
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	1400.0	22.00	235.69	1373.2	-117.6	-172.3	2.00	235.69	208.6	
4	3350.8	22.00	235.69	3181.9	-529.5	-775.9	0.00	0.00	939.4	
5	4084.1	0.00	0.00	3897.3	-607.9	-890.8	3.00	180.00	1078.4	
6	7613.8	0.00	0.00	7427.0	-607.9	-890.8	0.00	0.00	1078.4	Scott 2M BHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
0.0	0.0	NACIMIENTO
1129.0	1141.0	OJO ALAMO
1199.0	1214.5	KIRTLAND
2181.0	2271.3	FRUITLAND
2799.0	2937.8	PICTURED CLIFFS
2984.0	3137.3	LEWIS
3477.0	3660.3	HUERFANITO BENTONITE
3900.0	4086.8	CHACRA
4590.0	4776.8	MASSIVE CLIFF HOUSE
4675.0	4861.8	MENEFEE
5070.0	5256.8	POINT LOOKOUT
5385.0	5571.8	MANCOS
6369.0	6555.8	UPPER GALLUP
7121.0	7307.8	GREENHORN
7171.0	7357.8	GRANEROS
7236.0	7422.8	TWO WELLS
7316.0	7502.8	PAGUATE
7336.0	7522.8	UPPER CUBERO
7346.0	7532.8	LOWER CUBERO
7397.0	7583.8	ENCINAL

Azimuths to Grid North
True North: 0.05°
Magnetic North: 9.75°

Magnetic Field
Strength: 50496.2snT
Dip Angle: 63.55°
Date: 2/19/2014
Model: BGGM2013



operations or trucked to an approved disposal facility as indicated in Burlington Resources Drilling / Workover Pit Closure Procedure dated June 28, 2013 on file at the NMOCD office in Aztec, NM.

B. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash container during drilling and completion operations. The accumulated trash will be removed, as needed, and will be disposed of at an authorized sanitary landfill. No trash will be buried or burned on location.

C. Sewage – self-contained, chemical toilets will be provided for human waste disposal. The toilet holding tanks will be pumped, as needed, and the contents thereof disposed of in an approved sewage disposal facility. The toilets will be onsite during all operations.

D. Immediately after drilling and completing activities have ceased, all debris and other waste materials not contained in the trash containers will be cleaned up and removed from the well location.

VIII. Ancillary Facilities

A. The proposed areas and access roads listed below could be utilized for staging of construction, drilling, and completion equipment to facilitate drilling operations. Additionally, staging could occur, within the permitted right-of-way, along the route shown on Sheet B and described on Sheet C. Staging could take place when the rig moves in or off location. Any proposed temporary use area will be returned to same or better condition than before operations began and will comply with the BLM FFO Bare Soil Reclamation Procedures.

1. Scott 2A - UL I, 1650' FSL & 980' FEL, Sec. 31, T32N, R10W (on lease)

2. Harrison 100 – UL K, 1345' FSL & 2055' FWL, Sec. 31, T32N, R10W (on lease)

3. Harrison 5 – UL N, 1190' FSL & 1550' FWL, Sec. 31, T32N, R10W (on lease)

IX. Well Site Layout

A. The proposed well pad layout is shown on Sheet G. Cross sections have been drafted to visualize the planned cuts and fill across the location. Refer to Section VI for construction materials and methods.

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SCOTT 2M

1582' FSL & 973' FEL (SURFACE)

975' FSL & 1860' FEL (BOTTOM HOLE)

LATITUDE: 36.9388930° N

LONGITUDE: 107.9182075° W

NAD 83

SECTION 31, T-32-N, R-10-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

**FROM THE INTERSECTION OF MAIN STREET
& U.S. HIGHWAY 550 IN AZTEC, NEW MEXICO.**

TRAVEL NORTHEASTERLY 10.2 MILES TO COUNTY ROAD 2900 ON U.S. HIGHWAY 550.

TURN LEFT ONTO COUNTY ROAD 2900 (RUINS ROAD) AND

TRAVEL SOUTHWESTERLY 2.0 MILES.

TURN RIGHT AND TRAVEL NORTHERLY 0.5 MILE TO A "Y" IN THE ROAD.

**STAY RIGHT AND CONTINUE TRAVELING NORTHERLY 0.9 MILE TO
EXISTING SCOTT 2A AND PROPOSED SCOTT 2M WELL LOCATIONS.**