

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 06 2012

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

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 NM-01772-A 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 CA NMNM101825 (MW)
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Reid 9. Well Number 22M RCVD MAY 25 '12 OIL CONS. DIV. DIST. 3
4. Location of Well Surface: Unit M(SWSW), 990' FSL & 915' FWL BHL : Unit N(ESW), 710' FSL & 1930' FWL Surface: Latitude: 36.6719089° N (NAD83) Longitude: 107.8179544° W BHL : Latitude: 36.6711635° N (NAD83) Longitude: 107.8144878° W		10. Field, Pool, Wildcat Blanco MV/Basin DK/Basin MC 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 8, T28N, R9W API# 30-045- 35359
14. Distance in Miles from Nearest Town 12 miles to Blanco	 H₂S POTENTIAL EXIST	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'		
16. Acres in Lease 2337.480		17. Acres Assigned to Well 345.25
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 71 miles Reid Com 706 (FC)		
19. Proposed Depth 6859'		20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6011' GL		22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)		<u>3/5/12</u> Date

Hold C104
for Directional Survey
and "As Drilled" plat

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 5/15/12

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

This action is subject to technical and procedural review pursuant to 43 CFR 3169.3 and appeal pursuant to 43 CFR 3165.4

Hold C104
for Directional Survey
and "As Drilled" plat

NMOC
JUN 28 2012 *ca*

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

RECEIVED

MAR 19 2012

DISTRICT I
1625 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, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
Farmington Field Office
Bureau of Land Management

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

Form C-102
Revised July 16, 2010
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35359	² Pool Code 72319/71599/97232	³ Pool Name BLANCO MESAVERDE/BASIN. DAKOTA/BASIN MANCOS
⁴ Property Code 18607	⁵ Property Name REID	⁶ Well Number 22M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6011

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
M	8	28 N	9 W		990	SOUTH	915	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
N	8	28 N	9 W		710	SOUTH	1930	WEST	SAN JUAN

¹² Dedicated Acres See notes	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. DK- R -1814 MV- R-8170 MC- Filing with State
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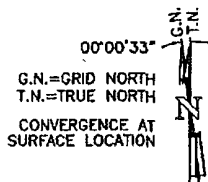
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

18

BEARINGS & DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83, UNLESS OTHERWISE NOTED.

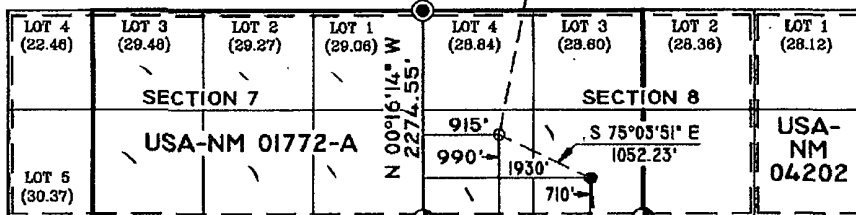
DK/MC - Lots 1, 2 and 3, the SE/4 SW/4 and the S/2 SE/4 of partial Section 7 plus Lots 3 and 4 and the S/2 SW/4 of partial Section 8, T28N, R9W, comprising 345.25 acres (as described in I.19 of Order).

MV - All of Section 8, T28N, R9W, 273.92 acres



SURFACE

LAT: 36.6719089° N
LONG: 107.8179544° W
NAD 83
LAT: 36°40.31414' N
LONG: 107°49.04025' W
NAD 27



LEGEND:

- = SURFACE LOCATION
- = BOTTOM HOLE LOCATION
- ⊕ = FOUND 1916 U.S.G.L.O. BRASS CAP
- ⊙ = FOUND 1916 U.S.G.L.O. BRASS CAP (CC)

BOTTOM HOLE LOCATION

LAT: 36.6711635° N
LONG: 107.8144878° W
NAD 83
LAT: 36°40.26942' N
LONG: 107°48.83226' W
NAD 27

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.

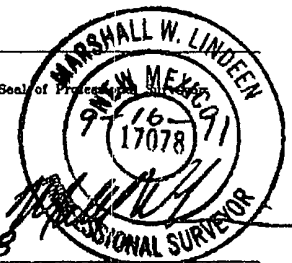
Arleen Kellywood 3/16/12
Signature Date
Arleen Kellywood
Printed Name
arleen.r.kellywood@conocophillips.com
E-mail Address

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.

8/19/11
Date of Survey

Signature and Seal of Professional Surveyor



Certificate Number

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

REID 22M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.1107				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 711		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)						
RCO085	MANCOS(RCO085)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.671902	Longitude: -107.817338	X:	Y:	Section: 08		Range: 009W	
Footage X: 915 FWL	Footage Y: 990 FSL	Elevation: 6011	(FT)	Township: 028N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.671157	Longitude: -107.813871	X:	Y:	Section: 08		Range: 009W	
Footage X: 1930 FWL	Footage Y: 710 FSL	Elevation:	(FT)	Township: 028N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6026 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5826		☐			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	1195	4831		☐			
KIRTLAND	1346	4680		☐			
FRUITLAND	1787	4239		☐			Possible Gas
PICTURED CLIFFS	2300	3726		☐			
LEWIS	2448	3578		☐			
CHACRA	3263	2763		☐			
MASSIVE CLIFF HOUSE	3934	2092		☐	610		Gas; Cliffhouse is dry
MENEFEE	3963	2063		☐			
Intermediate Casing	4115	1911		☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 964 cuft. Circulate cement to surface.
POINT LOOKOUT	4574	1452		☐			
MANCOS	4935	1091		☐			
UPPER GALLUP	5770	256		☐			
GREENHORN	6556	-530		☐			
GRANEROS	6619	-593		☐			
TWO WELLS	6678	-652		☐	1775		Gas
PAGUATE	6731	-705		☐			
UPPER CUBERO	6775	-749		☐			
LOWER CUBERO	6784	-758		☐			
Total Depth	6859	-833		☐	188		6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 378 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

REID 22M

DEVELOPMENT

ENCINAL 6859 -833 ☐ TD - T/ENCN. Est bottom perf ~15' from TD

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

Quad Combo & ECS and cuttings - 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 or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Reid #22M
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6011 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6011 0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Reid #22M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

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

Site:	Other Named Wells		
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Site Position:		Northing:	2,063,826.04 ft	Latitude:	36° 40' 18.848 N
From:	Lat/Long	Easting:	504,691.02 ft	Longitude:	107° 49' 2.415 W
Position Uncertainty:	15 0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0.01 °

Well:	Reid #22M					
Well Position	+N/-S	0.0 ft	Northing:	2,063,826.04 ft	Latitude:	36° 40' 18.848 N
	+E/-W	0.0 ft	Easting:	504,691.02 ft	Longitude:	107° 49' 2.415 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,011.0 ft	

Wellbore:	Wellbore #1				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	2/27/2012	9.83	63.37	50,637

Design:	Plan #1				
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Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0 0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	104.94

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	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	
1,265.6	19.31	104 94	1,247.5	-41.6	155.8	2.00	2.00	0 00	104.94	
3,634.9	19.31	104 94	3,483.4	-243.6	912.8	0.00	0 00	0.00	0 00	
4,278.6	0.00	0 00	4,115 0	-271.3	1,016.7	3.00	-3 00	0.00	180 00	ICP#1-CASING PO
7,022.6	0.00	0 00	6,859.0	-271.3	1,016 7	0 00	0.00	0.00	0 00	PCP-CASING POIN

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Reid #22M
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6011.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6011.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Reid #22M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	N/S (ft)	E/W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
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 casing									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	2.00	104.94	400.0	-0.4	1.7	1.7	2.00	2.00	0.00
500.0	4.00	104.94	499.8	-1.8	6.7	7.0	2.00	2.00	0.00
600.0	6.00	104.94	599.5	-4.0	15.2	15.7	2.00	2.00	0.00
700.0	8.00	104.94	698.7	-7.2	26.9	27.9	2.00	2.00	0.00
800.0	10.00	104.94	797.5	-11.2	42.1	43.5	2.00	2.00	0.00
900.0	12.00	104.94	895.6	-16.1	60.5	62.6	2.00	2.00	0.00
1,000.0	14.00	104.94	993.1	-21.9	82.2	85.1	2.00	2.00	0.00
1,100.0	16.00	104.94	1,089.6	-28.6	107.2	111.0	2.00	2.00	0.00
1,200.0	18.00	104.94	1,185.3	-36.2	135.5	140.2	2.00	2.00	0.00
1,210.2	18.20	104.94	1,195.0	-37.0	138.5	143.4	2.00	2.00	0.00
Ojo Alamo									
1,265.6	19.31	104.94	1,247.5	-41.6	155.8	161.2	2.00	2.00	0.00
1,300.0	19.31	104.94	1,279.9	-44.5	166.7	172.6	0.00	0.00	0.00
1,370.1	19.31	104.94	1,346.0	-50.5	189.1	195.7	0.00	0.00	0.00
Kirtland									
1,400.0	19.31	104.94	1,374.3	-53.0	198.7	205.6	0.00	0.00	0.00
1,500.0	19.31	104.94	1,468.6	-61.6	230.6	238.7	0.00	0.00	0.00
1,600.0	19.31	104.94	1,563.0	-70.1	262.6	271.8	0.00	0.00	0.00
1,700.0	19.31	104.94	1,657.4	-78.6	294.6	304.9	0.00	0.00	0.00
1,800.0	19.31	104.94	1,751.7	-87.1	326.5	337.9	0.00	0.00	0.00
1,837.4	19.31	104.94	1,787.0	-90.3	338.4	350.3	0.00	0.00	0.00
Fruitland									
1,900.0	19.31	104.94	1,846.1	-95.7	358.5	371.0	0.00	0.00	0.00
2,000.0	19.31	104.94	1,940.5	-104.2	390.4	404.1	0.00	0.00	0.00
2,100.0	19.31	104.94	2,034.9	-112.7	422.4	437.2	0.00	0.00	0.00
2,200.0	19.31	104.94	2,129.2	-121.2	454.3	470.2	0.00	0.00	0.00
2,300.0	19.31	104.94	2,223.6	-129.8	486.3	503.3	0.00	0.00	0.00
2,380.9	19.31	104.94	2,300.0	-136.7	512.1	530.1	0.00	0.00	0.00
Pictured Cliffs									
2,400.0	19.31	104.94	2,318.0	-138.3	518.2	536.4	0.00	0.00	0.00
2,500.0	19.31	104.94	2,412.4	-146.8	550.2	569.4	0.00	0.00	0.00
2,537.8	19.31	104.94	2,448.0	-150.0	562.3	581.9	0.00	0.00	0.00
Lewis									
2,600.0	19.31	104.94	2,506.7	-155.4	582.1	602.5	0.00	0.00	0.00
2,700.0	19.31	104.94	2,601.1	-163.9	614.1	635.6	0.00	0.00	0.00
2,800.0	19.31	104.94	2,695.5	-172.4	646.1	668.7	0.00	0.00	0.00
2,900.0	19.31	104.94	2,789.8	-180.9	678.0	701.7	0.00	0.00	0.00
3,000.0	19.31	104.94	2,884.2	-189.5	710.0	734.8	0.00	0.00	0.00
3,100.0	19.31	104.94	2,978.6	-198.0	741.9	767.9	0.00	0.00	0.00
3,200.0	19.31	104.94	3,073.0	-206.5	773.9	801.0	0.00	0.00	0.00
3,300.0	19.31	104.94	3,167.3	-215.0	805.8	834.0	0.00	0.00	0.00
3,400.0	19.31	104.94	3,261.7	-223.6	837.8	867.1	0.00	0.00	0.00
3,401.4	19.31	104.94	3,263.0	-223.7	838.2	867.5	0.00	0.00	0.00
Chacra									
3,500.0	19.31	104.94	3,356.1	-232.1	869.7	900.2	0.00	0.00	0.00
3,600.0	19.31	104.94	3,450.5	-240.6	901.7	933.2	0.00	0.00	0.00
3,634.9	19.31	104.94	3,483.4	-243.6	912.8	944.8	0.00	0.00	0.00
3,700.0	17.36	104.94	3,545.2	-248.9	932.6	965.3	3.00	-3.00	0.00

ConocoPhillips or its affiliates

Planning Report

Databas:	EDM Central Planning	Local Co-ordinate Reference:	Well Reid #22M
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6011.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6011.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Reid #22M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,800.0	14.36	104.94	3,641.4	-255.9	959.0	992.6	3.00	-3.00	0.00
3,900.0	11.36	104.94	3,738.8	-261.7	980.5	1,014.8	3.00	-3.00	0.00
4,000.0	8.36	104.94	3,837.4	-266.1	997.1	1,032.0	3.00	-3.00	0.00
4,097.4	5.44	104.94	3,934.0	-269.1	1,008.4	1,043.6	3.00	-3.00	0.00
Massive Cliff House									
4,100.0	5.36	104.94	3,936.6	-269.2	1,008.6	1,043.9	3.00	-3.00	0.00
4,126.5	4.56	104.94	3,963.0	-269.8	1,010.8	1,046.2	3.00	-3.00	0.00
Menefee									
4,200.0	2.36	104.94	4,036.4	-270.9	1,015.1	1,050.6	3.00	-3.00	0.00
4,278.6	0.00	0.00	4,115.0	-271.3	1,016.7	1,052.2	3.00	-3.00	0.00
Intermediate Casing									
4,300.0	0.00	0.00	4,136.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
4,400.0	0.00	0.00	4,236.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
4,500.0	0.00	0.00	4,336.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
4,600.0	0.00	0.00	4,436.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
4,700.0	0.00	0.00	4,536.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
4,737.6	0.00	0.00	4,574.0	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
Point Lookout									
4,800.0	0.00	0.00	4,636.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
4,900.0	0.00	0.00	4,736.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
5,000.0	0.00	0.00	4,836.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
5,098.6	0.00	0.00	4,935.0	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
Mancos									
5,100.0	0.00	0.00	4,936.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
5,200.0	0.00	0.00	5,036.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
5,300.0	0.00	0.00	5,136.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
5,400.0	0.00	0.00	5,236.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
5,500.0	0.00	0.00	5,336.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
5,600.0	0.00	0.00	5,436.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
5,700.0	0.00	0.00	5,536.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
5,800.0	0.00	0.00	5,636.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
5,900.0	0.00	0.00	5,736.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
5,933.6	0.00	0.00	5,770.0	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
Upper Gallup									
6,000.0	0.00	0.00	5,836.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
6,100.0	0.00	0.00	5,936.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
6,200.0	0.00	0.00	6,036.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
6,300.0	0.00	0.00	6,136.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
6,400.0	0.00	0.00	6,236.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
6,500.0	0.00	0.00	6,336.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
6,600.0	0.00	0.00	6,436.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
6,700.0	0.00	0.00	6,536.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
6,719.6	0.00	0.00	6,556.0	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
Greenhorn									
6,782.6	0.00	0.00	6,619.0	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
Graneros									
6,800.0	0.00	0.00	6,636.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
6,841.6	0.00	0.00	6,678.0	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
Two Wells									
6,894.6	0.00	0.00	6,731.0	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
Paguate									
6,900.0	0.00	0.00	6,736.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBW
Project: San Juan Basin - New Mexico West Wells
Site: Other Named Wells
Well: Reid #22M
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference: Well Reid #22M
TVD Reference: WELL @ 6011.0ft (Original Well Elev)
MD Reference: WELL @ 6011.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,938.6	0.00	0.00	6,775.0	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
Upper Cubero									
6,947.6	0.00	0.00	6,784.0	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
Lowero Cubero									
7,000.0	0.00	0.00	6,836.4	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
7,022.6	0.00	0.00	6,859.0	-271.3	1,016.7	1,052.2	0.00	0.00	0.00
Production Casing									

Targets

Target Name	hit/miss target Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PCP-CASING POINT	- plan hits target center - Point	0.00	0.00	6,859.0	-271.3	1,016.7	2,063,554.91	505,707.65	36° 40' 16.165 N	107° 48' 49.936 W
ICP#1-CASING POIN	- plan hits target center - Point	0.00	0.00	4,115.0	-271.3	1,016.7	2,063,554.91	505,707.65	36° 40' 16.165 N	107° 48' 49.936 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
200.0	200.0	surface Casing	9-5/8	12-1/4
7,022.6	6,859.0	Production Casing	4-1/2	6-1/4
4,278.6	4,115.0	Intermediate Casing	7	8-5/8

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Reid #22M
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6011.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6011.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Reid #22M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
6,719.6	6,556.0	Greenhorn		0.00	
1,210.2	1,195.0	Ojo Alamo		0.00	
6,782.6	6,619.0	Graneros		0.00	
2,537.8	2,448.0	Lewis		0.00	
4,126.5	3,963.0	Menefee		0.00	
2,380.9	2,300.0	Pictured Cliffs		0.00	
1,370.1	1,346.0	Kirtland		0.00	
6,947.6	6,784.0	Lowero Cubero		0.00	
1,837.4	1,787.0	Fruitland		0.00	
3,401.4	3,263.0	Chacra		0.00	
4,097.4	3,934.0	Massive Cliff House		0.00	
5,933.6	5,770.0	Upper Gallup		0.00	
4,737.6	4,574.0	Point Lookout		0.00	
6,894.6	6,731.0	Paguate		0.00	
5,098.6	4,935.0	Mancos		0.00	
6,938.6	6,775.0	Upper Cubero		0.00	
6,841.6	6,678.0	Two Wells		0.00	

BURLINGTON RESOURCES OIL & GAS COMPANY LP

REID 22M

990' FSL & 915' FWL (SURFACE)

710' FSL & 1930' FWL (BOTTOM HOLE LOCATION)

LATITUDE: 36.6719089° N

LONGITUDE: 107.8179544° W

NAD 83

SECTION 8, T-28-N, R-9-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 64 AND
U.S. HIGHWAY 550 IN BLOOMFIELD, NEW MEXICO.

TRAVEL SOUTHERLY 1.0 MILE ON U.S. HIGHWAY 550.
TURN LEFT ONTO COUNTY ROAD 4990 (SULLIVAN ROAD) AND
TRAVEL EASTERLY 8.5 MILES.

TURN RIGHT ONTO COUNTY ROAD 4960 AND
TRAVEL SOUTHEASTERLY FOLLOWING ARROYO 0.6 MILE.
TURN LEFT AT "Y" IN ROAD AND TRAVEL EASTERLY 0.6 MILE.
TURN RIGHT AT "Y" IN ROAD AND TRAVEL SOUTHEASTERLY 0.4 MILE.
TURN LEFT AT "Y" IN ROAD AND TRAVEL SOUTHEASTERLY
(UP WINDING ACCESS ROAD) 1.0 MILE
TO EXISTING REID COM 706 WELL LOCATION AND
PROPOSED REID 22M WELL LOCATION.