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: 7/31/14
Well information;
Operator Burlington, Well Name and Number San Juan 29-7 Unit #140P
API# 30-039-31260, Section 8, Township 29 (N)/S, Range 7 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
- o Hold C-104 for NSL, NSP, DHC
- o Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
- o 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
- o 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
- o 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.

Charlie Perrin
NMOCD Approved by Signature

8-28-2014
Date

Form 3160-3
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
AUG 01 2014
Farmington Field Office
Bureau of Land Management

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: [X] DRILL [ ] RE-ENTER b. Type of Well: [ ] Oil Well [X] Gas Well Other:	5. Lease Serial No.: **SF-078423** 6. If Indian, Allottee or Tribe Name: 7. Unit or CA Agreement Name and No.: NMNM 78417A(MV) NMNM-78417B(DK)
2. Name of Operator: **Burlington Resources Oil & Gas Company**	8. Lease Name and Well No.: **San Juan 29-7 Unit 140P**
3. Address: **PO Box 4289, Farmington, NM 87499** 3a. Phone No. *(include area code)*: **(505) 326-9700**	9. API Well No.: **30-039-** 31260
4. Location of Well *(Report location clearly and in accordance with Federal requirements)** At surface: **Unit L (NWSW), 1762' FSL & 1010' FWL** Lattiude: **36.73806 (NAD 83)** Longitude: **107.5998872 (NAD 83)** At BHL: **Unit N (SESW), 630' FSL & 1680' FWL** Lattitude: **36.7349318 (NAD 83)** Longitude: **107.5976059 (NAD 83)**	10. Field and Pool or Exploratory: **Basin DK/Blanco MV** 11. Sec., T., R., M., on Block and Survey or Area Suf: **Sec. 8, T29N, R7W** BHL: **Sec. 8, T29N, R7W** 12. County or Parish: **Rio Arriba** 13. State: **New Mexico**

14. Distance in miles from Nearest Town: **24 miles from Bloomfield**	15. Distance from Proposed Location to Nearest Property or Lease Line: **630'**	16. Acres in Lease: **2,400.00**
17. Acres Assigned to Well.: **320**	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this lease: **72' from SJ 29-7 Unit 43 (MV well)**	19. Proposed Depth: **7536'**
20. Rotary or Cable Tools: **Rotary**	21. Elevations (DF, FT, GR, Etc.): **6281'**	22. Approx. Date Work will Start: RCVD AUG 18 '14

23. Proposed Casing and Cementing Program
See Operations Plan attached

OIL CONS. DIV.

24. Authorized by: Kenny Davis (Staff Regulatory Tech) — 7/31/14 Date

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY: _____ TITLE AFM DATE 8/19/14

Archaeological Report attached
Threatened and Endangered Species Report attached
A gas recovery unit may or may not be used on this location.
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**

NMOCD

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 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) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-039-31260	71599/72319	BASIN DAKOTA / BLANCO MESA VERDE

[4] Property Code	[5] Property Name	[6] Well Number
7465	SAN JUAN 29-7 UNIT	140P

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY LP	6281

[10] Surface Location

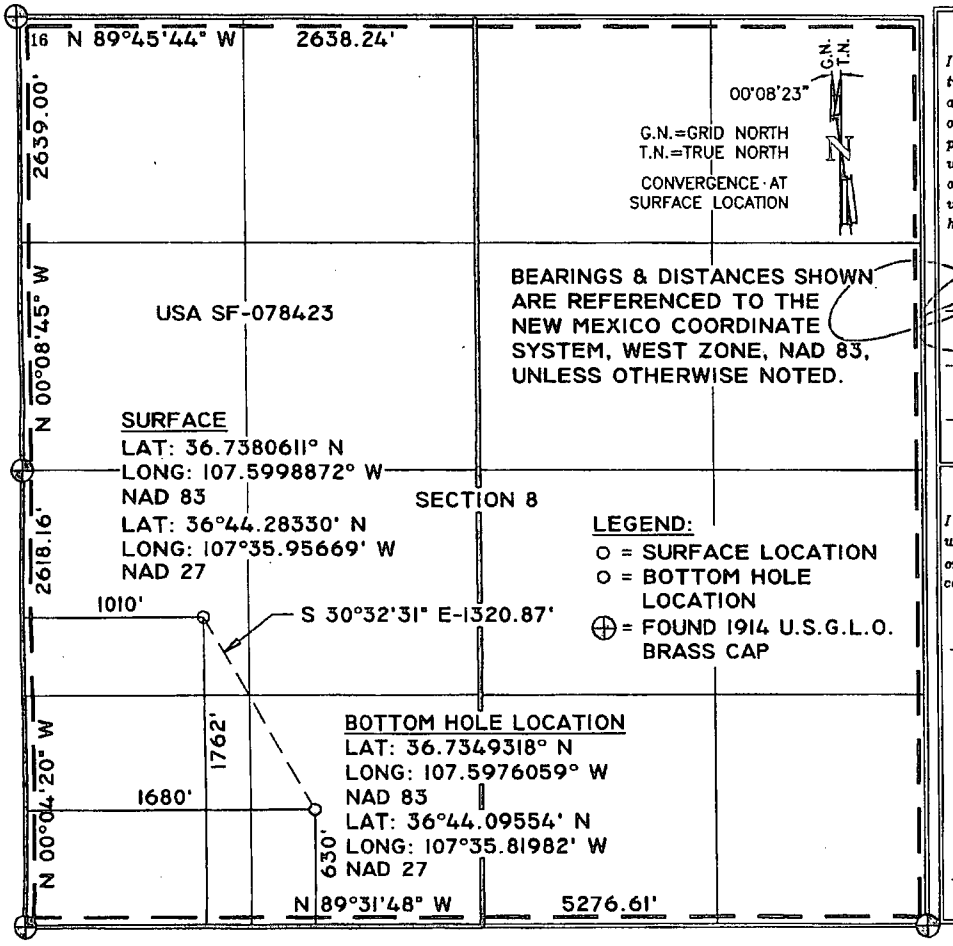
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	8	29 N	7 W		1762	SOUTH	1010	WEST	RIO ARRIBA

[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
N	8	29 N	7 W		630	SOUTH	1680	WEST	RIO ARRIBA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320 (W/2)			

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.

7/31/14
Signature Date

Kenny Davis
Printed Name

kenny.r.davis@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.

01/06/2014
Date of Survey

Signature and Seal of Professional Surveyor

MARSHALL W. LINDEEN
NEW MEXICO
2-6-14
17078
PROFESSIONAL SURVEYOR

17078
Certificate Number

ConocoPhillips

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 140P **DEVELOPMENT**

Lease:	AFE #: WAN.CDR.3050			AFE $:
Field Name: SAN JUAN	Rig: 2016 Rig Program	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				**Directional**
Latitude: 36.738055	Longitude: -107.599278	X:	Y:	Section: 08	Range: 007W
Footage X: 1010 FWL	Footage Y: 1762 FSL	Elevation: 6281 (FT)	Township: 029N		
Tolerance:					
Location: Bottom Hole	Datum Code: NAD 27				**Directional**
Latitude: 36.734926	Longitude: -107.596997	X:	Y:	Section: 08	Range: 007W
Footage X: 1680 FWL	Footage Y: 630 FSL	Elevation: (FT)	Township: 029N		
Tolerance:					

Location Type: Year Round Start Date (Est.): 1/1/2016 Completion Date: Date In Operation:

Formation Data: Assume KB = 6296 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	0	6296		☐			Surface geology
Surface Casing	200	6096		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	692	5604		☐			
OJO ALAMO	2084	4212		☐			
KIRTLAND	2235	4061		☐			
FRUITLAND	2642	3654		☐			Possible Gas
PICTURED CLIFFS	3068	3228		☐			
LEWIS	3228	3068		☐			
HUERFANITO BENTONITE	3795	2501		☐			
CHACRA	4030	2266		☐			
Intermediate Casing	4498	1798		☐		117	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1066 cuft. Circulate cement to surface.
MASSIVE CLIFF HOUSE	4778	1518		☐	441		Gas; Cliffhouse is dry
MENEFEE	4880	1416		☐			
POINT LOOKOUT	5253	1043		☐			
MANCOS	5650	646		☐			
UPPER GALLUP	6492	-196		☐			
GREENHORN	7222	-926		☐			
GRANEROS	7282	-986		☐			
TWO WELLS	7331	-1035		☐	2941		Gas
UPPER CUBERO	7444	-1148		☐			
LOWER CUBERO	7471	-1175		☐			

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ConocoPhillips

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 140P **DEVELOPMENT**

Total Depth	7536	-1240	☐	207	6-1/4" hole, 4-1/2" 11.6 ppf, N/L-80, LTC/BTC casing. Cement w/ 401 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7536	-1240	☐		TD at the top of Encinal. Est bottom perf 15' from TD.

Reference Wells:

Reference Type	Well Name	Comments

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

ConocoPhillips SJBU

San Juan Basin - New Mexico Central Wells
San Juan 29 Wells
San Juan 29-7 Unit 140P

Wellbore #1

Plan: Design #1

Standard Planning Report

21 March, 2014

Database:	EDM Central Planning	**Local Co-ordinate Reference:**	Well San Juan 29-7 Unit 140P
Company:	ConocoPhillips SJBU	**TVD Reference:**	WELL @ 6296.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	**MD Reference:**	WELL @ 6296.0usft (Original Well Elev)
Site:	San Juan 29 Wells	**North Reference:**	True
Well:	San Juan 29-7 Unit 140P	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	San Juan Basin - New Mexico Central 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 Central 3002		Using geodetic scale factor

Site	San Juan 29 Wells, Township 29				
Site Position:		**Northing:**	2,076,530.52 usft	**Latitude:**	36° 41' 58.902 N
From:	Lat/Long	**Easting:**	116,124.83 usft	**Longitude:**	107° 33' 33.948 W
Position Uncertainty:	3.5 usft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	-0.78 °

Well	San Juan 29-7 Unit 140P				
Well Position	**+N/-S**	0.0 usft	**Northing:**	2,090,658.10 usft	**Latitude:**	36° 44' 16.998 N
	+E/-W	0.0 usft	**Easting:**	104,638.92 usft	**Longitude:**	107° 35' 57.401 W
Position Uncertainty		2.5 usft	**Wellhead Elevation:**	usft	**Ground Level:**	6,281.0 usft

Wellbore	Wellbore #1			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2012	2/7/2014	9.51	63.39	50,413

Design	Design #1				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0.0	0.0	0.0	149.60	

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	149.60	1,373.2	-179.9	105.6	2.00	2.00	0.00	149.60	
3,998.1	22.00	149.60	3,782.1	-1,019.4	598.1	0.00	0.00	0.00	0.00	
4,731.5	0.00	0.00	4,497.5	-1,139.3	668.5	3.00	-3.00	0.00	180.00	
7,769.9	0.00	0.00	7,536.0	-1,139.3	668.5	0.00	0.00	0.00	0.00	SJ 29-7 Unit 140P BH

Database:	EDM Central Planning	**Local Co-ordinate Reference:**	Well San Juan 29-7 Unit 140P
Company:	ConocoPhillips SJBU	**TVD Reference:**	WELL @ 6296.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	**MD Reference:**	WELL @ 6296.0usft (Original Well Elev)
Site:	San Juan 29 Wells	**North Reference:**	True
Well:	San Juan 29-7 Unit 140P	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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
SAN JOSE									
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	149.60	400.0	-1.5	0.9	1.7	2.00	2.00	0.00
500.0	4.00	149.60	499.8	-6.0	3.5	7.0	2.00	2.00	0.00
600.0	6.00	149.60	599.5	-13.5	7.9	15.7	2.00	2.00	0.00
693.2	7.86	149.60	692.0	-23.2	13.6	26.9	2.00	2.00	0.00
NACIMIENTO									
700.0	8.00	149.60	698.7	-24.0	14.1	27.9	2.00	2.00	0.00
800.0	10.00	149.60	797.5	-37.5	22.0	43.5	2.00	2.00	0.00
900.0	12.00	149.60	895.6	-54.0	31.7	62.6	2.00	2.00	0.00
1,000.0	14.00	149.60	993.1	-73.4	43.1	85.1	2.00	2.00	0.00
1,100.0	16.00	149.60	1,089.6	-95.7	56.2	111.0	2.00	2.00	0.00
1,200.0	18.00	149.60	1,185.3	-120.9	71.0	140.2	2.00	2.00	0.00
1,300.0	20.00	149.60	1,279.8	-149.0	87.4	172.8	2.00	2.00	0.00
1,400.0	22.00	149.60	1,373.2	-179.9	105.6	208.6	2.00	2.00	0.00
1,500.0	22.00	149.60	1,465.9	-212.2	124.5	246.1	0.00	0.00	0.00
1,600.0	22.00	149.60	1,558.6	-244.5	143.5	283.5	0.00	0.00	0.00
1,700.0	22.00	149.60	1,651.3	-276.8	162.4	321.0	0.00	0.00	0.00
1,800.0	22.00	149.60	1,744.0	-309.2	181.4	358.4	0.00	0.00	0.00
1,900.0	22.00	149.60	1,836.8	-341.5	200.4	395.9	0.00	0.00	0.00
2,000.0	22.00	149.60	1,929.5	-373.8	219.3	433.4	0.00	0.00	0.00
2,100.0	22.00	149.60	2,022.2	-406.1	238.3	470.8	0.00	0.00	0.00
2,166.7	22.00	149.60	2,084.0	-427.6	250.9	495.8	0.00	0.00	0.00
OJO ALAMO									
2,200.0	22.00	149.60	2,114.9	-438.4	257.2	508.3	0.00	0.00	0.00
2,300.0	22.00	149.60	2,207.6	-470.7	276.2	545.7	0.00	0.00	0.00
2,329.5	22.00	149.60	2,235.0	-480.2	281.8	556.8	0.00	0.00	0.00
KIRTLAND									
2,400.0	22.00	149.60	2,300.4	-503.0	295.1	583.2	0.00	0.00	0.00
2,500.0	22.00	149.60	2,393.1	-535.3	314.1	620.7	0.00	0.00	0.00
2,600.0	22.00	149.60	2,485.8	-567.6	333.1	658.1	0.00	0.00	0.00
2,700.0	22.00	149.60	2,578.5	-599.9	352.0	695.6	0.00	0.00	0.00
2,768.5	22.00	149.60	2,642.0	-622.1	365.0	721.2	0.00	0.00	0.00
FRUITLAND									
2,800.0	22.00	149.60	2,671.2	-632.2	371.0	733.1	0.00	0.00	0.00
2,900.0	22.00	149.60	2,763.9	-664.6	389.9	770.5	0.00	0.00	0.00
3,000.0	22.00	149.60	2,856.7	-696.9	408.9	808.0	0.00	0.00	0.00
3,100.0	22.00	149.60	2,949.4	-729.2	427.9	845.4	0.00	0.00	0.00
3,200.0	22.00	149.60	3,042.1	-761.5	446.8	882.9	0.00	0.00	0.00
3,227.9	22.00	149.60	3,068.0	-770.5	452.1	893.4	0.00	0.00	0.00
PICTURED CLIFFS									
3,300.0	22.00	149.60	3,134.8	-793.8	465.8	920.4	0.00	0.00	0.00
3,400.0	22.00	149.60	3,227.5	-826.1	484.7	957.8	0.00	0.00	0.00
3,400.5	22.00	149.60	3,228.0	-826.3	484.8	958.0	0.00	0.00	0.00
LEWIS									
3,500.0	22.00	149.60	3,320.3	-858.4	503.7	995.3	0.00	0.00	0.00
3,600.0	22.00	149.60	3,413.0	-890.7	522.6	1,032.7	0.00	0.00	0.00
3,700.0	22.00	149.60	3,505.7	-923.0	541.6	1,070.2	0.00	0.00	0.00
3,800.0	22.00	149.60	3,598.4	-955.3	560.6	1,107.7	0.00	0.00	0.00

Database:	EDM Central Planning	**Local Co-ordinate Reference:**	Well San Juan 29-7 Unit 140P
Company:	ConocoPhillips SJBU	**TVD Reference:**	WELL @ 6296.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	**MD Reference:**	WELL @ 6296.0usft (Original Well Elev)
Site:	San Juan 29 Wells	**North Reference:**	True
Well:	San Juan 29-7 Unit 140P	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)
3,900.0	22.00	149.60	3,691.1	-987.7	579.5	1,145.1	0.00	0.00	0.00
3,998.1	22.00	149.60	3,782.1	-1,019.4	598.1	1,181.9	0.00	0.00	0.00
4,000.0	21.94	149.60	3,783.8	-1,020.0	598.5	1,182.6	3.00	-3.00	0.00
4,012.0	21.58	149.60	3,795.0	-1,023.8	600.7	1,187.0	3.00	-3.00	0.00
HUERFANITO BENTONITE									
4,100.0	18.94	149.60	3,877.5	-1,050.1	616.1	1,217.5	3.00	-3.00	0.00
4,200.0	15.94	149.60	3,972.9	-1,075.9	631.3	1,247.5	3.00	-3.00	0.00
4,259.1	14.17	149.60	4,030.0	-1,089.2	639.1	1,262.8	3.00	-3.00	0.00
CHACRA									
4,300.0	12.94	149.60	4,069.8	-1,097.4	643.9	1,272.4	3.00	-3.00	0.00
4,400.0	9.94	149.60	4,167.8	-1,114.6	654.0	1,292.3	3.00	-3.00	0.00
4,500.0	6.94	149.60	4,266.7	-1,127.2	661.4	1,306.9	3.00	-3.00	0.00
4,600.0	3.94	149.60	4,366.2	-1,135.4	666.2	1,316.4	3.00	-3.00	0.00
4,700.0	0.94	149.60	4,466.1	-1,139.1	668.4	1,320.7	3.00	-3.00	0.00
4,731.5	0.00	0.00	4,497.5	-1,139.3	668.5	1,320.9	3.00	-3.00	0.00
4,731.9	0.00	0.00	4,498.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
Intermediate - 7"									
4,800.0	0.00	0.00	4,566.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
4,900.0	0.00	0.00	4,666.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
5,000.0	0.00	0.00	4,766.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
5,011.9	0.00	0.00	4,778.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
MASSIVE CLIFF HOUSE									
5,100.0	0.00	0.00	4,866.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
5,113.9	0.00	0.00	4,880.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
MENEFEE									
5,200.0	0.00	0.00	4,966.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
5,300.0	0.00	0.00	5,066.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
5,400.0	0.00	0.00	5,166.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
5,486.9	0.00	0.00	5,253.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
POINT LOOKOUT									
5,500.0	0.00	0.00	5,266.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
5,600.0	0.00	0.00	5,366.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
5,700.0	0.00	0.00	5,466.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
5,800.0	0.00	0.00	5,566.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
5,883.9	0.00	0.00	5,650.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
MANCOS									
5,900.0	0.00	0.00	5,666.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
6,000.0	0.00	0.00	5,766.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
6,100.0	0.00	0.00	5,866.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
6,200.0	0.00	0.00	5,966.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
6,300.0	0.00	0.00	6,066.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,166.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,266.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,366.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,466.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
6,725.9	0.00	0.00	6,492.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
UPPER GALLUP									
6,800.0	0.00	0.00	6,566.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,666.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,766.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
7,100.0	0.00	0.00	6,866.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
7,200.0	0.00	0.00	6,966.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00

Database:	EDM Central Planning	**Local Co-ordinate Reference:**	Well San Juan 29-7 Unit 140P
Company:	ConocoPhillips SJBU	**TVD Reference:**	WELL @ 6296.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	**MD Reference:**	WELL @ 6296.0usft (Original Well Elev)
Site:	San Juan 29 Wells	**North Reference:**	True
Well:	San Juan 29-7 Unit 140P	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)
7,300.0	0.00	0.00	7,066.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,166.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
7,455.9	0.00	0.00	7,222.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
GREENHORN									
7,500.0	0.00	0.00	7,266.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
7,515.9	0.00	0.00	7,282.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
GRANEROS									
7,564.9	0.00	0.00	7,331.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
TWO WELLS									
7,600.0	0.00	0.00	7,366.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
7,677.9	0.00	0.00	7,444.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
UPPER CUBERO									
7,700.0	0.00	0.00	7,466.1	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
7,704.9	0.00	0.00	7,471.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
LOWER CUBERO									
7,769.9	0.00	0.00	7,536.0	-1,139.3	668.5	1,320.9	0.00	0.00	0.00
Production - 4-1/2"									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SJ 29-7 Unit 140P BHL - plan hits target center - Point	0.00	0.00	7,536.0	-1,139.3	668.5	2,089,509.40	105,291.35	36° 44' 5.732 N	107° 35' 49.189 W

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
4,731.9	4,498.0	Intermediate - 7"	7	8-3/4
7,769.9	7,536.0	Production - 4-1/2"	4-1/2	6-1/4

Database:	EDM Central Planning	**Local Co-ordinate Reference:**	Well San Juan 29-7 Unit 140P
Company:	ConocoPhillips SJBU	**TVD Reference:**	WELL @ 6296.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	**MD Reference:**	WELL @ 6296.0usft (Original Well Elev)
Site:	San Juan 29 Wells	**North Reference:**	True
Well:	San Juan 29-7 Unit 140P	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations

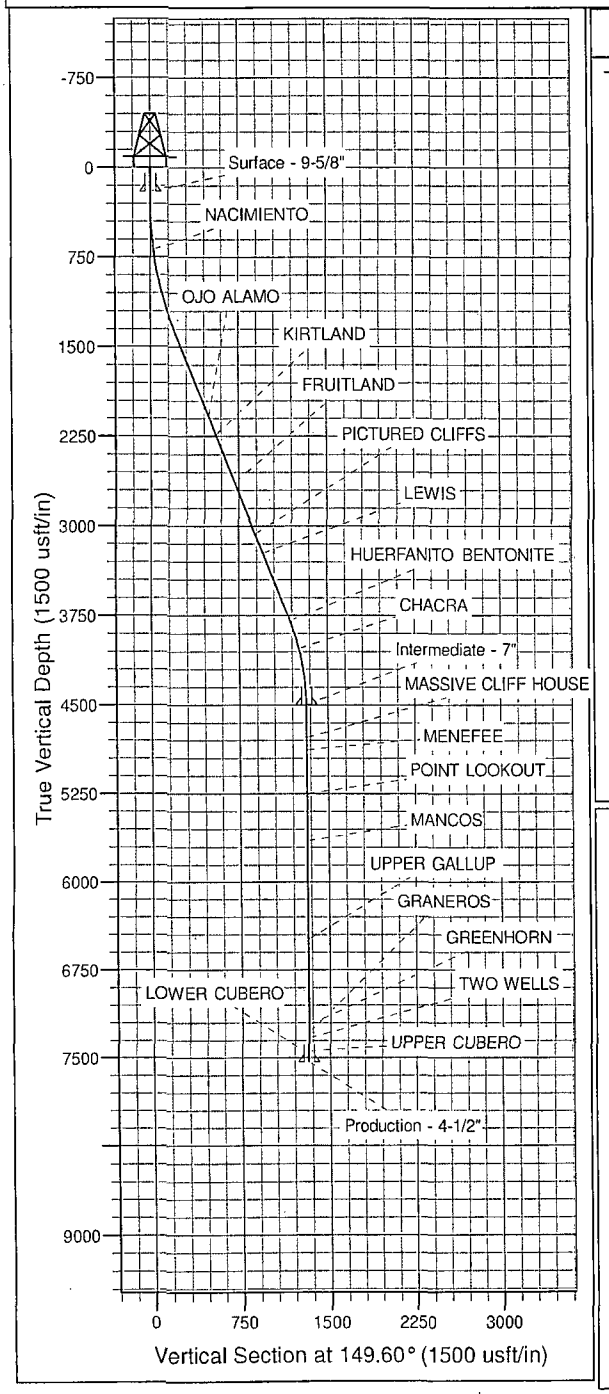
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,768.5	2,642.0	FRUITLAND		0.00	
4,259.1	4,030.0	CHACRA		0.00	
5,486.9	5,253.0	POINT LOOKOUT		0.00	
2,329.5	2,235.0	KIRTLAND		0.00	
3,400.5	3,228.0	LEWIS		0.00	
6,725.9	6,492.0	UPPER GALLUP		0.00	
7,455.9	7,222.0	GREENHORN		0.00	
7,515.9	7,282.0	GRANEROS		0.00	
5,113.9	4,880.0	MENEFEE		0.00	
7,564.9	7,331.0	TWO WELLS		0.00	
5,011.9	4,778.0	MASSIVE CLIFF HOUSE		0.00	
7,704.9	7,471.0	LOWER CUBERO		0.00	
5,883.9	5,650.0	MANCOS		0.00	
4,012.0	3,795.0	HUERFANITO BENTONITE		0.00	
2,166.7	2,084.0	OJO ALAMO		0.00	
0.0	0.0	SAN JOSE		0.00	
3,227.9	3,068.0	PICTURED CLIFFS		0.00	
7,677.9	7,444.0	UPPER CUBERO		0.00	
693.2	692.0	NACIMIENTO		0.00	

REFERENCE INFORMATION	Project: San Juan Basin - New Mexico Central
WELL @ 6296.0usft (Original Well Elev)	Site: San Juan 29 Wells
Ground Elevation 6281.0	Well: San Juan 29-7 Unit 140P
Reference Lat: 36° 44' 16.998 N	Wellbore: Wellbore #1
Reference Long: 107° 35' 57.401 W	Design: Design #1

ConocoPhillips

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	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	149.60	1373.2	-179.9	105.6	2.00	149.60	208.6	
4	3998.1	22.00	149.60	3782.1	-1019.4	598.1	0.00	0.00	1181.9	
5	4731.5	0.00	0.00	4497.5	-1139.3	668.5	3.00	180.00	1320.9	
6	7769.9	0.00	0.00	7536.0	-1139.3	668.5	0.00	0.00	1320.9	SJ 29-7 Unit 140P BHL

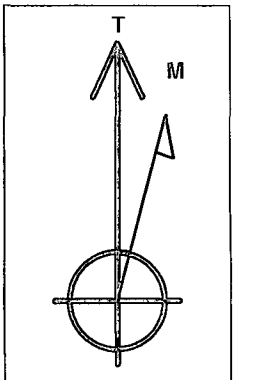


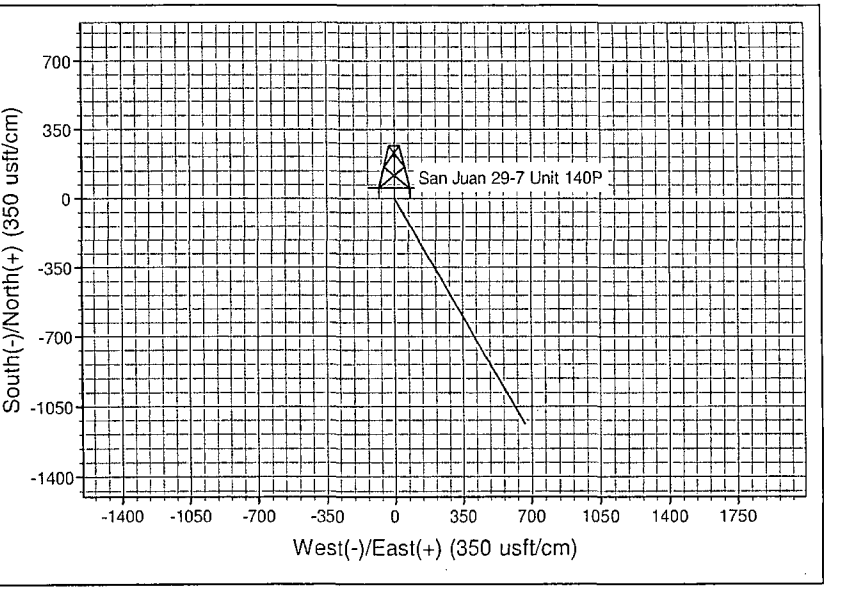
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
0.0	0.0	SAN JOSE
692.0	693.2	NACIMIENTO
2084.0	2166.7	OJO ALAMO
2235.0	2329.5	KIRTLAND
2642.0	2768.5	FRUITLAND
3068.0	3227.9	PICTURED CLIFFS
3228.0	3400.5	LEWIS
3795.0	4012.0	HUERFANITO BENT
4030.0	4259.1	CHACRA
4778.0	5011.9	MASSIVE CLIFF HO
4880.0	5113.9	MENEFEE
5253.0	5486.9	POINT LOOKOUT
5650.0	5883.9	MANCOS
6492.0	6725.9	UPPER GALLUP
7222.0	7455.9	GREENHORN
7282.0	7515.9	GRANEROS
7331.0	7564.9	TWO WELLS
7444.0	7677.9	UPPER CUBERO
7471.0	7704.9	LOWER CUBERO

Azimuths to True North
Magnetic North: 9.51°

Magnetic Field
Strength: 50413.5snT
Dip Angle: 63.39°
Date: 2/7/2014
Model: BGGM2012





E. All construction materials will consist of native borrow and subsoil accumulated during road construction. If additional fill or surfacing material is required, it will be obtained from existing permitted or private sources and will be hauled in by trucks over existing Resource roads to the area.

F. For well pad cut and fill see Sheet F.

G. As determined during the onsite on 4-10-14, the following best management practices will be implemented:

1. Drainage will be above slope draining away from pad

2. Storage of topsoil will be in existing access road to be abandoned.

3. "Boss Tank" guzzler will be purchased.

4. Low Profile equipment will be used.

H. Construction equipment may include chain saws, a brush hog, scraper, maintainer, excavator, hydraulic mulcher, chippers and dozer. Construction of the resource road and well pad will take approximately 2 to 4 weeks.

I. The resource road and well pad are on lease so no additional ROW will be required.

J. Construction contractors will call New Mexico One-Call (or equivalent) to identify the location of any marked or unmarked pipeline or cables located in proximity to the proposed resource road and well pad at least two working days prior to ground disturbance.

K. All operations will be conducted in such a manner that full compliance is made with the applicable laws and regulations, the Application for Permit to Drill, and applicable Notice(s) to Lessees.

VII. Methods for Handling Waste

A. Cuttings, Drilling Fluids, and Flowback Water - The drill cuttings, drill water and completion fluids will be placed in a lined reserve pit. The pit will be lined with 20m gage pit liner. The reserve pit will be fenced on three sides away from the pad during drilling and the fourth side fenced as soon as the rig moves out. The free fluids will be removed after completion or may be trucked and reused in drilling

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. San Juan 29-7 Unit #101M - UL I, 2135' FSL & 30' FEL, Section 7, T29N, R7W (on lease)
2. San Juan 29-7 Unit #520 – UL L, 1600' FSL & 900' FWL, Section 8, T29N, R7W (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.

B. Office trailers equipped with living quarters will be provided on location during drilling and completions operations.

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 29-7 UNIT 140P

1762' FSL & 1010' FWL (SURFACE)

630' FSL & 1680' FWL (BOTTOM HOLE LOCATION)

LATITUDE: 36.7380611° N

LONGITUDE: 107.5998872° W

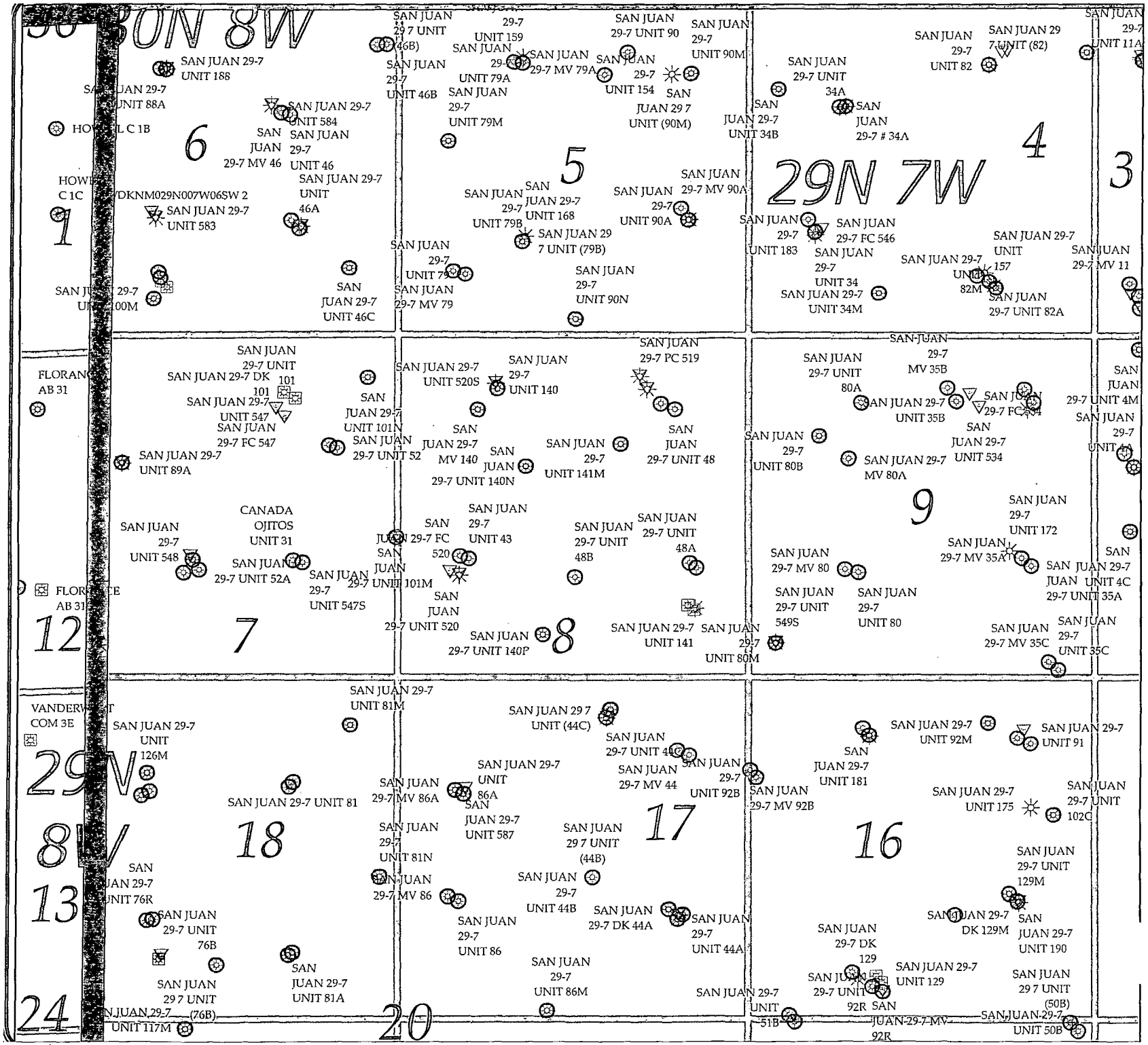
NAD 83

SECTION 8, T-29-N, R-7-W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO

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

TRAVEL EASTERLY 23.3 MILES ON U.S. HIGHWAY 64.
TURN RIGHT, GAIN PROPER ACCESS FOR LOCK GATE
AND CONTINUE SOUTHERLY 0.5 MILE.
BEAR RIGHT, THEN LEFT AT "Y" IN THE ROAD AND CONTINUE SOUTHERLY 0.6 MILE
TO EXISTING SAN JUAN 29-7 UNIT 43 & SAN JUAN 29-7 UNIT 520 WELL LOCATIONS
AND NEAR PROPOSED SAN JUAN 29-7 UNIT 140P WELL LOCATION
AND PROPOSED ACCESS ROAD.



L48 SJBU DSM Surface LL Zone

POOL NAME

- NACIMIENTO
- FRUITLAND
- FRUITLAND COAL
- FTC/PC
- PICTURED CLIFFS; PICTUREDCLIFFS
- PC/MV/DK
- CHACRA
- MESAVERDE
- MV/DK
- MANCOS
- GALLUP/DK
- GREENHORN
- DAKOTA
- PENNSYLVANIA
- SHALLOW

1:24,000

1 inch = 2,000 feet

N W E S

ConocoPhillips

SAN JUAN 29-7 UNIT 140P
SW SECTION 8, T29N, R7W
RIO ARRIBA COUNTY, NM

SHEET D