

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

27 JUL 18 PM 2:31

1a. Type of Work DRILL	5. Lease Number USA SF-080674 Unit Reporting Number NMNM-78408A	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 27-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #141M	
4. Location of Well Surf: Unit A(NENE), 855' FNL & 600' FEL BH: Unit D (NWNW), 850' FNL & 710' FWL SURF: Latitude 36° 34.6827535 N Longitude 107° 14.930737667 W BH: Latitude 36° 34.685050 N Longitude 107° 14.680593 W	10. Field, Pool, Wildcat Blanco MV/Basin <i>Dakota</i> 11. Sec., Twn, Rge, Mer. (NMPM) A Surf: Sec. 16, T27N, R4W 0 BH: Sec. 15, T27N, R4W API # 30-039-30266	
14. Distance in Miles from Nearest Town 17.7 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 600'	17. Acres Assigned to Well <i>PK 320 N 1/2 Sec 16</i> MV/BL - 320 <i>W/ Sec 15</i>	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease	
19. Proposed Depth 8456' (TVD) / 8672' (TMD)	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7126' GL	22. Approx. Date Work will Start RCVD JUL 10 '07 OIL CONS. DIV. DIST. 3 5-17-07 Date	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <i>Rhonda Rogers</i> Rhonda Rogers (Regulatory Technician)	

PERMIT NO.	APPROVAL DATE
APPROVED BY <i>D. Montoya</i>	TITLE <i>AFM</i> DATE <i>7/06/07</i>
Archaeological Report attached 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	
HOLD ON <i>directional survey</i>	
NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT	

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

NMOC

07-17-07

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

2007 MAY 18 PM 2:31

RECEIVED ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-	² Pool Code 72319/71599	³ Pool Name Blanco MESAVERDE/Basin Dakota
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number 141M
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON OIL AND GAS COMPANY LP	⁹ Elevation 7125.7

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
A	16	27-N	04-W		855'	NORTH	600'	EAST	RIO ARRIBA

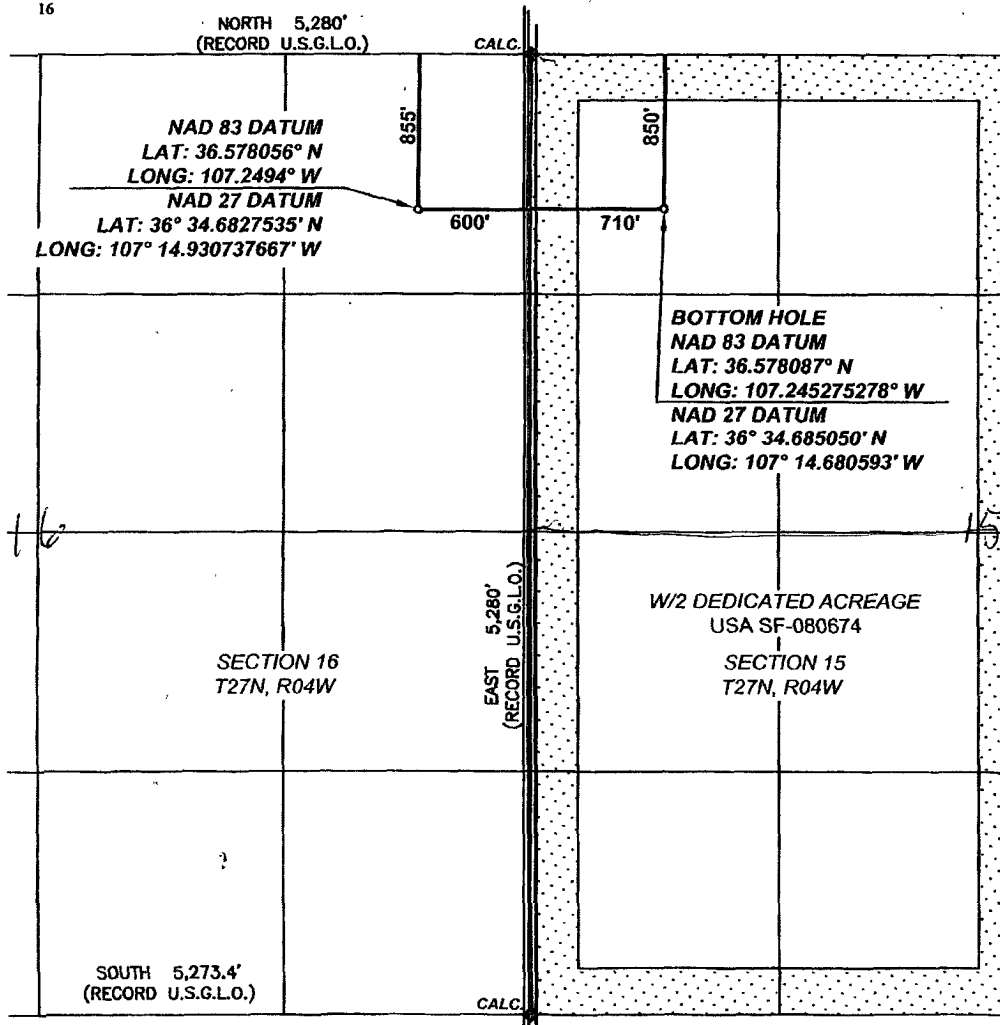
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	27-N	04-W		850'	NORTH	710'	WEST	RIO ARRIBA

¹² Dedicated Acres W 320 2/2	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

16



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kandis Roland
Signature

Kandis Roland
Printed Name

Regulatory Tech
Title and E-mail Address

4/16/07
Date

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.

Date of Survey: 07/25/06
Signature and Seal of Professional Surveyor:

Henry P. Broadhurst
Professional Surveyor
1228107

Certificate Number: NM 11393

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039-

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease #USA SF-080674

7. Lease Name or Unit Agreement Name

San Juan 27-4 Unit

8. Well Number

#141M

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco MV/Basin DK

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS)

1. Type of Well:

Oil Well ☐Gas Well ☒Other ☐

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter A : 855' feet from the North line and 600' feet from the East line
Section 16 Township 27N Rng 4W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

7126'

Pit or Below-grade Tank Application

☐ or Closure ☐Pit type New Drill

Depth to Groundwater

<50

Distance from nearest fresh water well

>1000

Distance from nearest surface water

<200

Pit Liner Thickness:

N/A

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐P AND A ☐CASING/CEMENT JOB ☐

OTHER:

New Drill ☒OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Lined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flame pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flame pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE

Regulatory Technician

DATE

5-17-07

Type or print name

Rhonda Rogers

E-mail address:

ogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

JUL 17 2007

Conditions of Approval (if any):

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT 141M

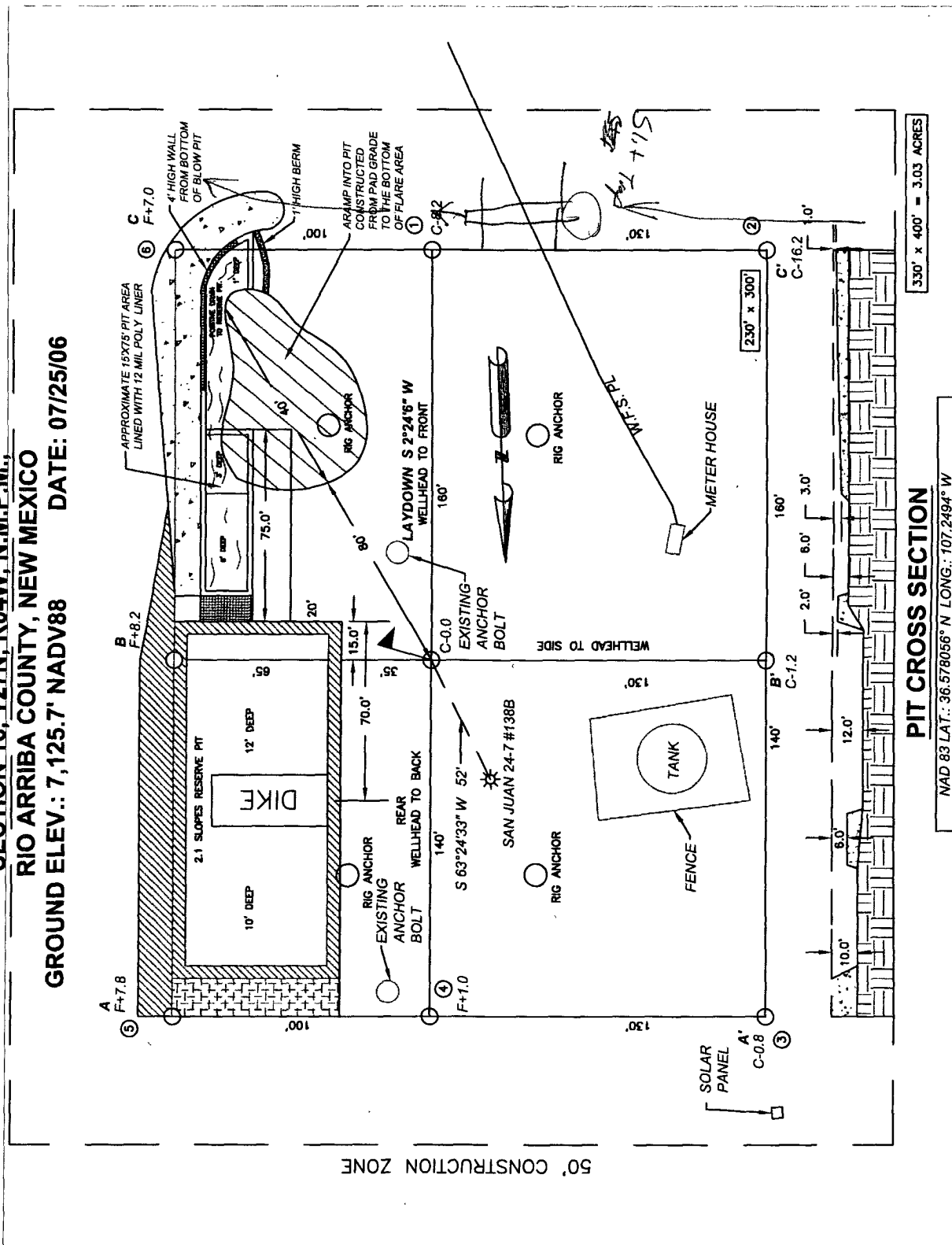
855' FNL, 600' FEL

SECTION 16, T27N, R04W, N.M.P.M.,

RIO ARRIBA COUNTY, NEW MEXICO

GROUND ELEV.: 7,125.7' NADV88

DATE: 07/25/06



NOTES:

1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).

2. C.C.I. SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS

100

1300 W BROADWAY
BLOOMFIELD, NM, 87413
PHONE: (505)632-7777

CHENAULT CONSULTING INC.

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT 141M
855' FNL, 600' FEL
SECTION 16, T27N, R04W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
ELEV.: 7,125.7' NADV88

A - A'

C/L

HORIZ. SCALE 1" = 50'
VERT. SCALE 1" = 20'

7140

7130

7120

7110

150'

100'

50'

0

50'

100'

150'

B - B'

C/L

HORIZ. SCALE 1" = 50'
VERT. SCALE 1" = 20'

7140

7130

7120

7110

150'

100'

50'

0

50'

100'

150'

C - C'

C/L

HORIZ. SCALE 1" = 50'
VERT. SCALE 1" = 20'

7140

7130

7120

7110

150'

100'

50'

0

50'

100'

150'

NOTE: CCI IS NOT LIABLE FOR UNDERGROUND UTILITIES
OR PIPELINES

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF
ANY MARKED OR UNMARKED BURIED PIPELINES OR
CABLES ON WELL PAD AND OR ACCESS ROAD PRIOR TO
CONSTRUCTION

REVISIONS

NO	DESCRIPTION	REVISED BY	DATE

CCI

1300 W BROADWAY
BLOOMFIELD, NM, 87413
PHONE (505) 632-7777

CHENault CONSULTING INC.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit
2007 MAY 24 PM 2:58

SAN JUAN 27-4 UNIT 141M

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7195/7196DK		RECEIVED	
Field Name: hBR_SAN JUAN 27-4 UNIT		Rig: Aztec Rig 673		State: NM	County: RIO ARriba
Geologist:		Phone:		Geophysicist: Phone:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer: Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead: Phone:	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
R20076	DAKOTA(R20076)				
Location: Surface Datum Code: NAD 27 Deviated					
Latitude: 36.578046	Longitude: -107.248846	X: 671618.60	Y: 2030180.20	Section: 16	Range: 004W
Footage X: 600 FEL	Footage Y: 855 FNL	Elevation: 7125 (FT)	Township: 027N		
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27 Deviated					
Latitude: 36.578068	Longitude: -107.244677	X: 672842.70	Y: 2030195.50	Section: 15	Range: 4
Footage X: 710 FWL	Footage Y: 850 FNL	Elevation: (FT)	Township: 27		
Tolerance:					
Location Type: Restricted		Start Date (Est.):		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 7137 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
SURFACE CSG	216	6921	☐		
OJO ALAMO	3387	3750	☐		
KIRTLAND	3639	3498	☐		
FRUITLAND	3689	3448	☐		
PICTURED CLIFFS	4005	3132	☐		
LEWIS	4116	3021	☐		
Intermediate Casing	4216	2921	☐		
HUERFANITO BENTONITE	4323	2814	☐		
CHACRA	4966	2171	☐		
UPPER CLIFF HOUSE	5583	1554	☐		
MASSIVE CLIFF HOUSE	5764	1373	☐		
MENEFEE	5850	1287	☐		
MASSIVE POINT LOOKOUT	6161	976	☐		
MANCOS	6701	436	☐		
UPPER GALLUP	7337	-200	☐		
GREENHORN	8124	-987	☐		
GRANEROS	8189	-1052	☐		
TWO WELLS	8229	-1092	☐		
UPPER CUBERO	8339	-1202	☐		
LOWER CUBERO	8383	-1246	☐		
OAK CANYON	8434	-1297	☐		
ENCINAL	8455	-1318	☐		

12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 203 cuft. Circulate Cmt to surface.
Surface twin with 27-4 138B.
TVDs for upper zones equal to #138B.

8 3/4" hole. 7" 20/23 ppf J-55, STC/LTC casing. Circulate cement to surface. Cement with 988 cu.ft.

Lower zones on strike with 27-4 71.

Estimated bottom perf 8429' TVD
BHL reach ~1310'
Azimuth ~89 degrees

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 141M

DEVELOPMENT

Total Depth	8456 / -1319 ☐ 1300	6-1/4" Hole. 4-1/2", 10.5/11.6 ppf, J-55 STC/LTC casing. Cement with 577 cuft. Circulate cement a minimum of 100' inside the previous casing string
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Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	27-4 71	ne16-27-4
Intermediate	27-4 138b	ne16-27-4

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
Mudlog from 100' above Greenhorn to TD.							

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - MVNM027N004W15NW2 DK 27N04W15NW1

Zones - MVNM027N004W15NW2 DK 27N04W15NW1

General/Work Description - NO LEWIS

ConocoPhillips or its affiliates

Survey Report

Company: ConocoPhillips Lower 48 Project: San Juan Basin Site: Monty's Site for directional MV/DK wells Well: SJ 27-4 #141M Wellbore: SJ 27-4 #141M Design: SJ 27-4 #141M	Local Co-ordinate Reference: TVD Reference: WELL @ 7141.0ft (Original Well Elev) MD Reference: WELL @ 7141.0ft (Original Well Elev) North Reference: True Survey Calculation Method: Minimum Curvature Database: EDM Central Planning	Well SJ 27-4 #141M WELL @ 7141.0ft (Original Well Elev) WELL @ 7141.0ft (Original Well Elev) True Minimum Curvature EDM Central Planning
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Targets									
Target Name	Dip Angle (d)	Dip Dir. (d)	TVD (ft)	+N-S ft	+E-W ft	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 27-4 #141M - PCP - hit/miss target - Shape	0.00	0 00	8,456.0	5.0	1,310.0	-13.79	1,310.20	30° 59' 24.561" N	109° 25' 29.045" W
SJ 27-4 #141M - ICP - plan hits target - Point	0.00	0.00	4,216.0	5.0	1,310.0	-13.79	1,310.20	30° 59' 24.561" N	109° 25' 29.045" W

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
3,597.8	3,387.0	Ojo Alamo		0.00	
3,867.6	3,639.0	Kirtland		0.00	
3,919.8	3,689.0	Fruitland		0.00	
4,242.3	4,005.0	Pictured Cliffs		0.00	
4,353.7	4,116.0	Lewis		0.00	
4,560.7	4,323.0	Huerfanito Bent.		0.00	
5,203.7	4,966.0	Chacra		0.00	
5,820.7	5,583.0	Cliffhouse		0.00	
6,001.7	5,764.0	Mass. Cliffhouse		0.00	
6,087.7	5,850.0	Menefee		0.00	
6,398.7	6,161.0	Pt. Lookout		0.00	
6,938.7	6,701.0	Mancos Shale		0.00	
7,574.7	7,337.0	Gallup		0.00	
8,361.7	8,124.0	Greenhorn		0.00	
8,426.7	8,189.0	Graneros		0.00	
8,466.7	8,229.0	Two Wells		0.00	
8,576.7	8,339.0	Upper Cubero		0.00	
8,620.7	8,383.0	Lower Cubero		0.00	
8,671.7	8,434.0	Oak Canyon		0.00	
8,692.7	8,455.0	Encinal		0.00	
8,693.7	8,456.0	TD		0.00	

Checked By: _____	Approved By: _____	Date: _____
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