

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAY11'07
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

207 APR 18 PM 4:07

1a. Type of Work DRILL	5. Lease Number USA SF-0770943-A 078945 Unit Reporting Number NMNM-784174-MV NMNM-794175-DK	
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 29-7 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #126M	
4. Location of Well Surf: Unit F (SENW), 1500' FNL & 770' FWL BH: Unit C (NENW), 560' FNL & 1710' FWL SURF: Latitude 36° 43.7475 N Longitude 107° 36.9347 W BH: Latitude 36° 43.8992 N Longitude 107° 36.7409 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 18, T29N, R7W API # 30-039-30250	
14. Distance in Miles from Nearest Town 14 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 560'	17. Acres Assigned to Well DK - 231.03 W2 B-MV 345.19 - W2 B-MV	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 281' from San Juan 29-7 76A	
19. Proposed Depth 8047' TVD 8293 TMD	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6834' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Rhonda Rogers (Regulatory Technician)	4-17-07 Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

NOTIFY AZTEC 000 24 HRS.
PRIOR TO CASING & CEMENT

HOLD G104 FOR DIRECTORIAL SURVEY

NMOCD

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

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

5/17/07

DISTRICT I
1635 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1304 West 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, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2006

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION, PLAT RCVD MAY 11 '07
OIL CONS. DIV.

¹ APT Number 30-039 - 30250	² Pool Code 71599/ 72319	³ Pool Name Basin Dakota/ Blanco Mesaverde DIST. 3
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 126M
⁷ OCSID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6834'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
F	18	29-N	7-W		1500'	NORTH	770'	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
C	18	29-N	7-W		580'	NORTH	1710'	WEST	RIO ARriba
¹² Dedicated Acres (Dr) Sec 7 345.19 Sec 18					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R-3246

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

R-3246 (Dr)

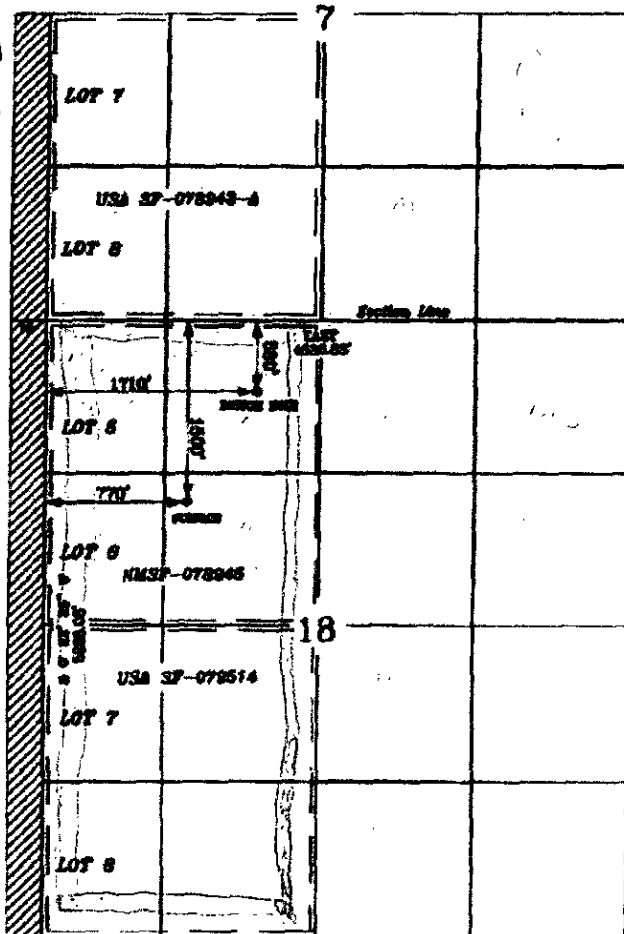
NWU 110 (Mu)

BOTTOM HOLE
LAT: 36°43.6000' N.
LONG: 107°38.7400' W.
NAD 1983

LAT: 36.731681° N.
LONG: 107.613997° W.
NAD 1983

SURFACE
LAT: 36°43.7475' N.
LONG: 107°38.9347' W.
NAD 1983

LAT: 36.729131° N.
LONG: 107.616168° W.
NAD 1983



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 a mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

1-26-07
Signature
Rhonda Rogers
Printed Name

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.

1-27-07
Date of Survey
Signature
GLEN W. RUSSELL
15703
CERTIFICATE NUMBER
15703

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039- **30250**

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

USA SF- 078945

7. Lease Name or Unit Agreement Name

San Juan 29-7 Unit

8. Well Number

#126M

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 F

: 1500'

feet from the

North

line and

770'

feet from the

West

line

Section 18

Township

29N

Rng

7W

NMPM

County

Rio Arriba

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

6834'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

>100

Distance from nearest fresh water well

>1000

Distance from nearest surface water

<1000

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 ☐

TEMPORARILY ABANDON ☐

PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐

CHANGE PLANS ☐

MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

COMMENCE DRILLING OPNS. ☐

CASING/CEMENT JOB ☐

ALTERING CASING ☐

P AND A ☐

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, Unlined:

Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and vent/flare pit will be an unlined pit 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/flare pit will be designed to manage fluids, and that portion will be unlined, 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

Rhonda Rogers

TITLE

Regulatory Technician

DATE

4-10-07

Type or print name

Rhonda Rogers

E-mail address:

rogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

[Signature]

TITLE

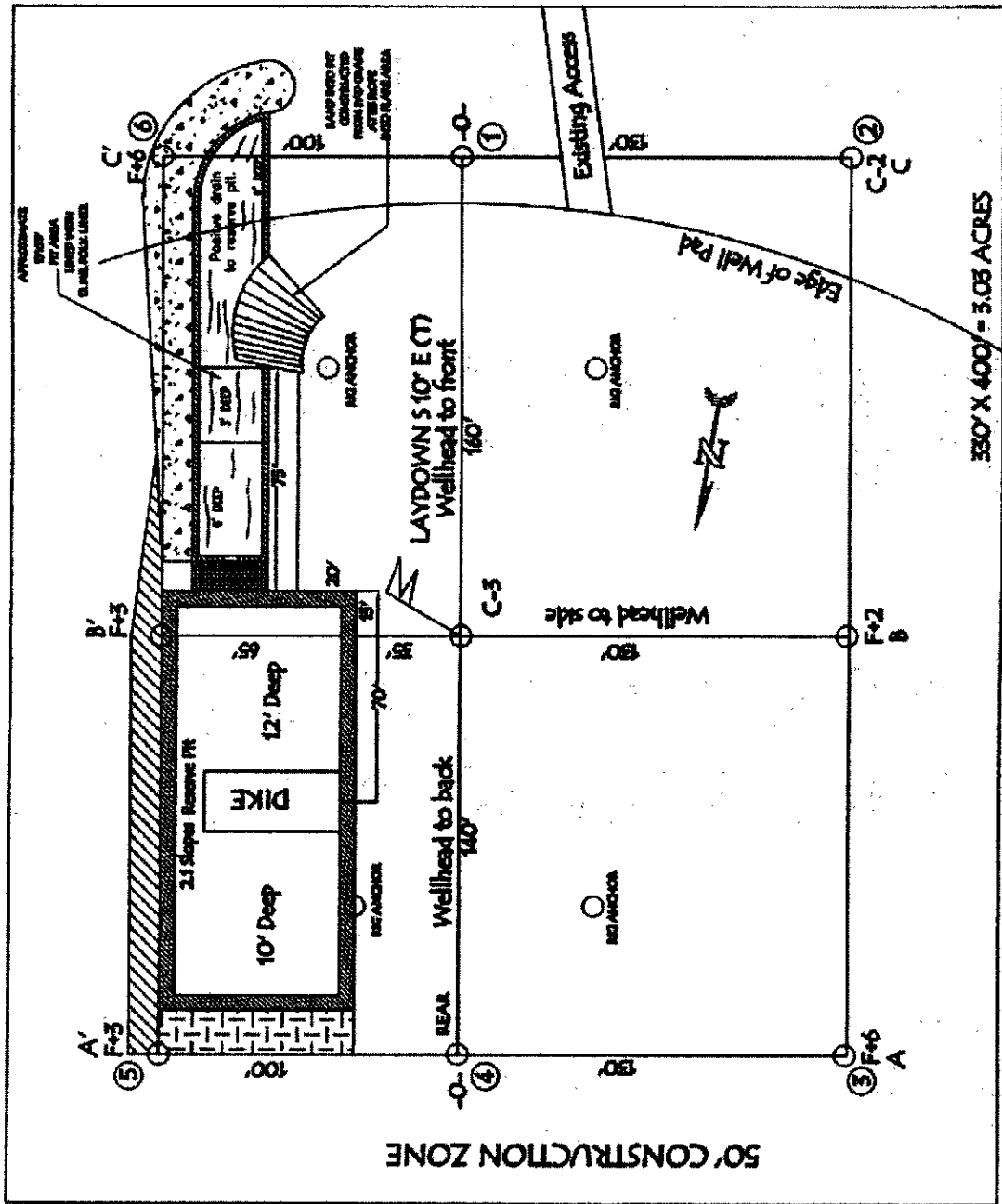
DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE

MAY 17 2007

Conditions of Approval (if any):

BURLINGTON RESOURCES OIL & GAS COMPANY LP SAN JUAN 29-7 UNIT 126M, 1500' FNL & 770' FWL SECTION 18, T-29- N, R-7-W, NMPM, RIO ARriba COUNTY, NM GROUND ELEVATION: 6834', DATE: DECEMBER 6, 2006



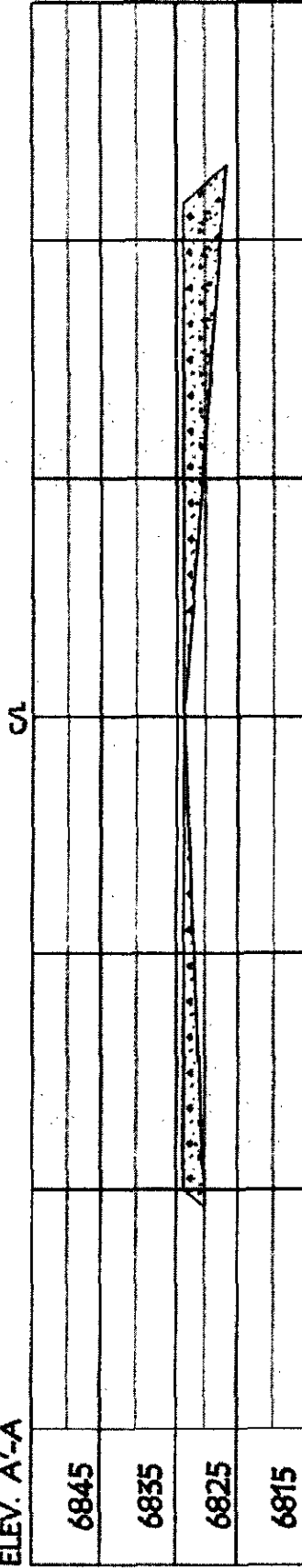
RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 5' WIDE AND 1' ABOVE SHALLOW SIDE).

NOTE: VECTOR 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 PRIOR TO CONSTRUCTION.

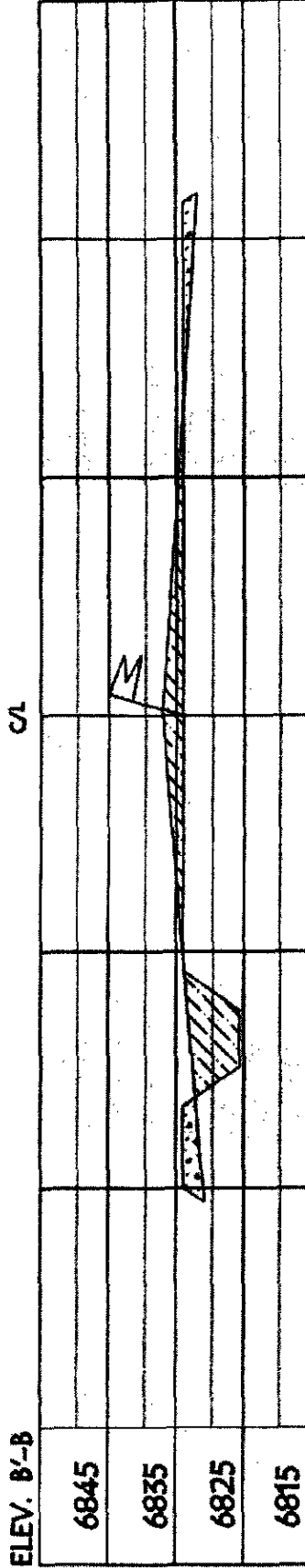
LATITUDE: 36° 43.7475' N LONGITUDE: 107° 36.9547' W NAD27

BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 29-7 UNIT 126M, 1500' FNL & 770' FWL
SECTION 18, T-29-N, R-7-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6834', DATE: DECEMBER 6, 2006

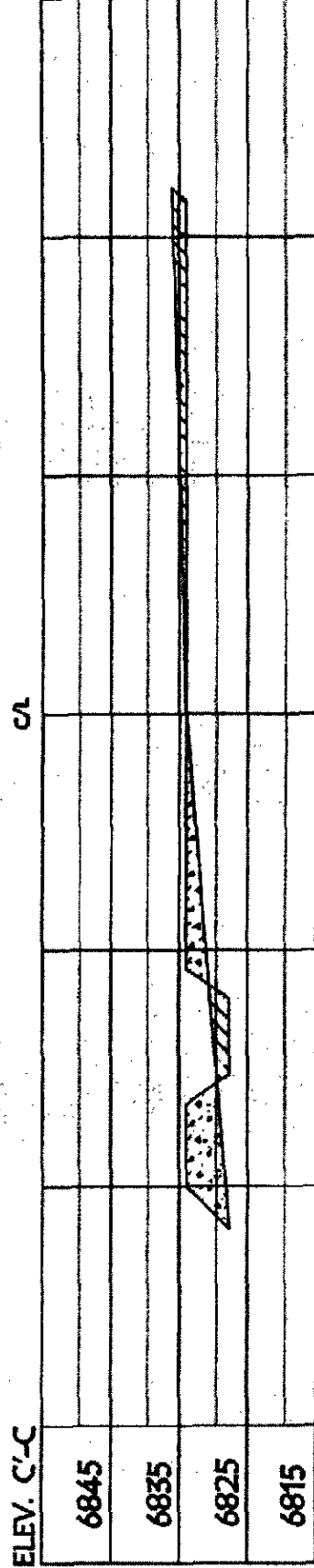
ELEV. A'-A



ELEV. B'-B



ELEV. C'-C



**NOTE: VECTOR 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 PRIOR TO CONSTRUCTION.**

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 126M

DEVELOPMENT

Lease:		AFE #: WAN, CDR. 7022				AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		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				Deviated	
Latitude: 36.729125	Longitude: -107.615578	X:	Y:	Section: 18	Range: 007W		
Footage X: 770 FWL	Footage Y: 1500 FNL	Elevation: 6834	(FT)	Township: 029N			
Tolerance:							
Location: Bottom Hole		Datum Code: NAD 27				Deviated	
Latitude: 36.731655	Longitude: -107.612348	X:	Y:	Section: 18	Range: 007W		
Footage X: 1710 FWL	Footage Y: 580 FNL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6850 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6650	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 188 cuft. Circulate cement to surface.	
OJAM	2675	4175	☐				
KRLD	2757	4093	☐				
FRLD	3137	3713	☐			Possible Gas	
PCCF	3590	3260	☐				
LEWS	3768	3082	☐				
Intermediate Casing	4100	2750	☐			8 3/4" Hole. 7", 23 ppf, L-80, LTC Casing. Cement with 972 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4271	2579	☐				
CHRA	4538	2312	☐				
UCLFH	5097	1753	☐			Gas	
MASSIVE CLIFF HOUSE	5293	1557	☐	468		Gas	
MENF	5371	1479	☐				
PTLK	5741	1109	☐				
MNCS	5897	953	☐				
GLLP	7003	-153	☐				
GRHN	7747	-897	☐				
GRRS	7803	-953	☐				
TWLS	7853	-1003	☐	1800		Gas	
CBRO	7964	-1114	☐				
CBRL	7990	-1140	☐				
ENCINAL	8047	-1197	☐			TD 30' below T/ENCN	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 126M

DEVELOPMENT

TOTAL DEPTH DK	8077	-1227	☐	6-1/4" Hole. 4-1/2", 11.6 ppf, L-80 LTC casing. Cement with 509 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 29-7 #81M	NE 18-29N-7W

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
	GR_CNL Mudlog 100' above GRHN to TD

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

Comments: Location/Tops/Logging - DK 29N07W18NW1 and MVNM029N007W18NW2 Picked directional target of BHL at 578' FNL & 1710' FWL from colation with 76A at 1500' FNL & 770' FWL - eap - 1-11-07 MUDLOG 100' above GRHN to TD.

Zones - DK 29N07W18NW1 and MVNM029N007W18NW2

General/Work Description - Directional Well LEWIS INCLUDED

ConocoPhillips

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 29-7 #126M
Project:	San Juan Basin	TVD Reference:	WELL @ 6849.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK we	MD Reference:	WELL @ 6849.0ft (Original Well Elev)
Well:	SJ 29-7 #126M	North Reference:	True
Wellbore:	SJ 29-7#126M	Survey Calculation Method:	Minimum Curvature
Design:	SJ 29-7 #126M	Database:	EDM Central Planning

Planned Survey

Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (d/100ft)	Build Rate (d/100ft)	Turn Rate (d/100ft)
8,271.2	0.00	0.00	8,014.0	920.0	940.0	1,315.3	0.00	0.00	0.00
Lower Cubero									
8,293.2	0.00	0.00	8,036.0	920.0	940.0	1,315.3	0.00	0.00	0.00
TD									
8,300.0	0.00	0.00	8,042.8	920.0	940.0	1,315.3	0.00	0.00	0.00
8,334.2	0.00	0.00	8,077.0	920.0	940.0	1,315.3	0.00	0.00	0.00
SJ 29-7 #126M - PCP									

Targets

Target Name	Dip Angle (d)	Dip Dir. (d)	TVD (ft)	+N/-S ft	+E/-W ft	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
SJ 29-7 #126M - ICF	0.00	0.00	4,100.0	920.0	940.0	906.61	953.29	30° 59' 33.618" N	109° 25' 33.295" W
- plan hits target									
- Point									
SJ 29-7 #126M - PC	0.00	0.00	8,077.0	920.0	940.0	906.61	953.29	30° 59' 33.618" N	109° 25' 33.295" W
- plan hits target									
- Point									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
1,623.7	1,559.0	Nacimiento		0.00	
2,862.1	2,689.0	Ojo Alamo		0.00	
3,027.6	2,840.0	Kirtland		0.00	
3,484.6	3,257.0	Fruitland		0.00	
3,875.1	3,623.0	Pictured Cliffs		0.00	
4,134.7	3,878.0	Lewis		0.00	
4,885.2	4,628.0	Chacra		0.00	
5,658.2	5,401.0	Cliffhouse		0.00	
5,719.2	5,462.0	Menefee		0.00	
6,048.2	5,791.0	Pt. Lookout		0.00	
7,366.2	7,109.0	Gallup		0.00	
8,033.2	7,776.0	Greenhorn		0.00	
8,095.2	7,838.0	Graneros		0.00	
8,212.2	7,955.0	Two Wells		0.00	
8,229.2	7,972.0	Upper Cubero		0.00	
8,271.2	8,014.0	Lower Cubero		0.00	
8,293.2	8,036.0	TD		0.00	

Checked By: _____ Approved By: _____ Date: _____