

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA 8F-077833-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	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Mansfield 9. Well Number #11N	
4. Location of Well Surf: Unit K (NBSW), 1735' FSL & 1545' FWL BH: Unit L (NWSW), 2020' FSL & 700' FWL SURF: Latitude 36° 46.8240 N Longitude 107° 48.3986 W BH: Latitude 36° 46.8716 N Longitude 107° 48.5712 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 29, T30N, R9W API # 30-045-34321	
14. Distance in Miles from Nearest Town 5 mile/Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 700'	17. Acres Assigned to Well MV-320 (W/2)/DK-320 (S/2)	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drig. Compl. or Applied for on this Lease 70' Energen Mansfield #7		
19. Proposed Depth 7226' (TVD)/7383' (TMD)	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6028' GL	22. Approx. Date Work will Start RCVD JUN 7 07 OIL CONS. DIV. DIST. 3	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	5-17-07 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

HOLD G104 FOR

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 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, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RECEIVED
BLANK AMENDED REPORT
210 FARMINGTON NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34321	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7284	⁵ Property Name MANSFIELD	⁶ Well Number 11N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	⁹ Elevation 6028'

¹⁰ Surface Location

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	29	30N	9W		1735	SOUTH	1545	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	29	30N	9W		2020	SOUTH	700	WEST	SAN JUAN

¹² Dedicated Acres 320 MV (W/2)/320 DK (S/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 5169.78' LEASE USA SF-076934-A BOTTOM-HOLE LOCATION LAT: 36°46.8716'N LONG: 107°48.5712'W DATUM: NAD27 SURFACE LOCATION LAT: 36.78040°N LONG: 107.80726°W DATUM: NAD83 29 700' N71°04.1'W 891.0' 1545' 2020' 1735' LEASE USA SF-077833-A LEASE USA SF-045646-A 5221.26' 5247.66' 5245.68'	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. <i>Patsy Clugston</i> 12/13/06 Signature Date Patsy Clugston 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. Survey Date: NOVEMBER 29, 2006 Signature and Seal of Professional Surveyor  <i>JASON C. EDWARDS</i> Certificate Number 15269
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Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045-34321

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease #USA SF-077833-A

7. Lease Name or Unit Agreement Name

Mansfield

8. Well Number

#11N

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 K : 1735' feet from the South line and 1545' feet from the West line
 Section 29 Township 30N Rng 9W NMPM County San Juan

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

6028'

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: 12 mil~~100~~

mil

Below-Grade Tank: Volume

bbls;

Construction Material

Synthetic

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, lined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flare 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/flare 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:

rogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

Deputy Oil & Gas Inspector,

District #3

APPROVED BY

TITLE

DATE

JUN 12 2007

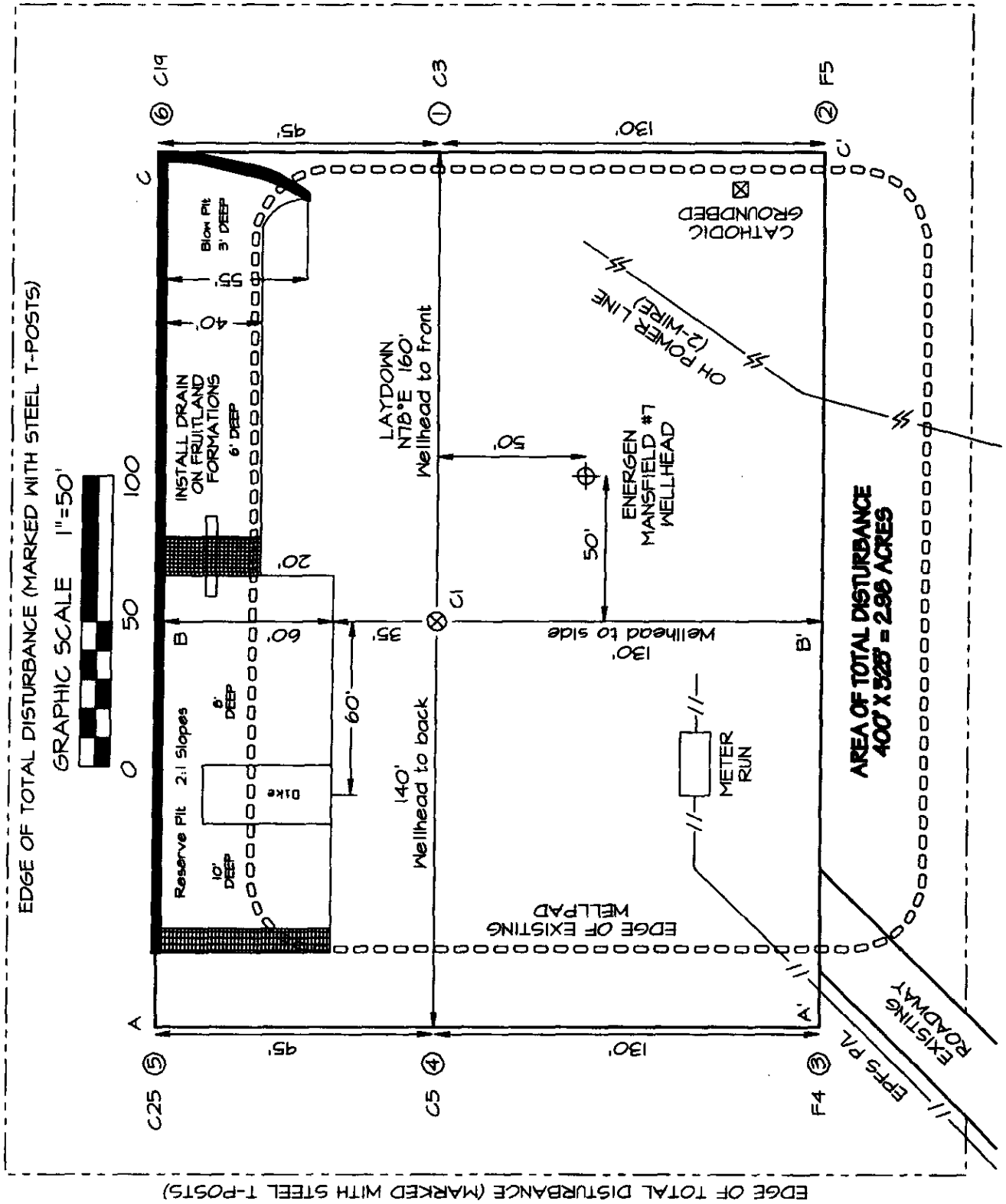
Conditions of Approval (if any):

**BURLINGTON RESOURCES OIL & GAS COMPANY MANSFIELD #11N
1735' FSL & 1545' FWL, SECTION 29, T30N, R9W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6028'**



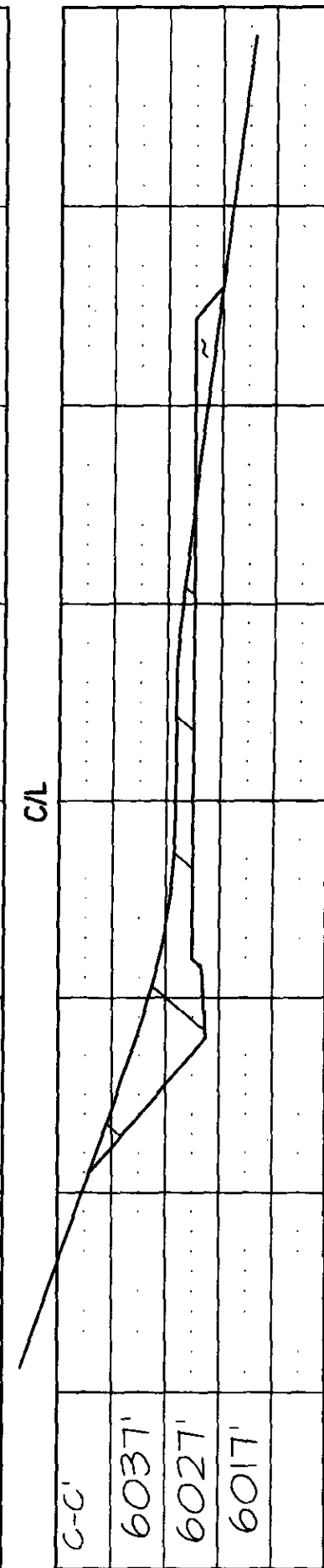
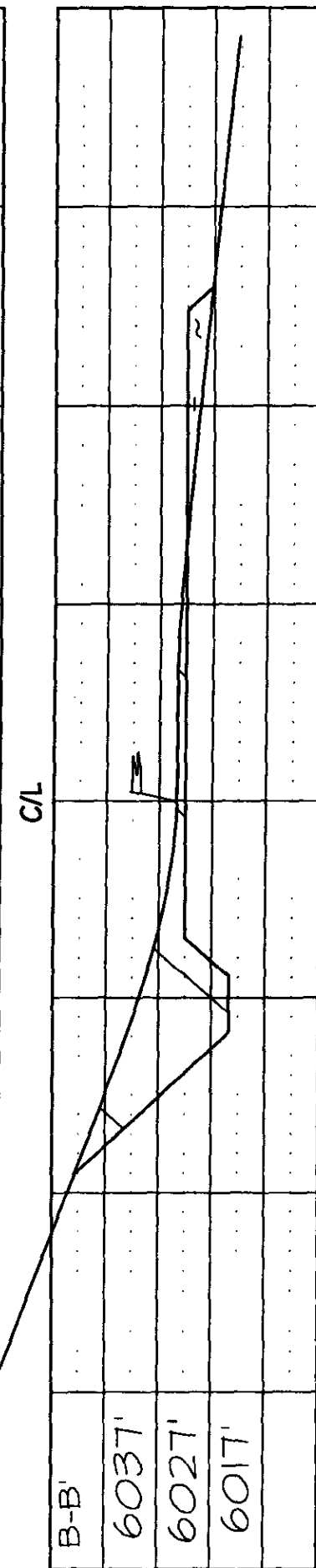
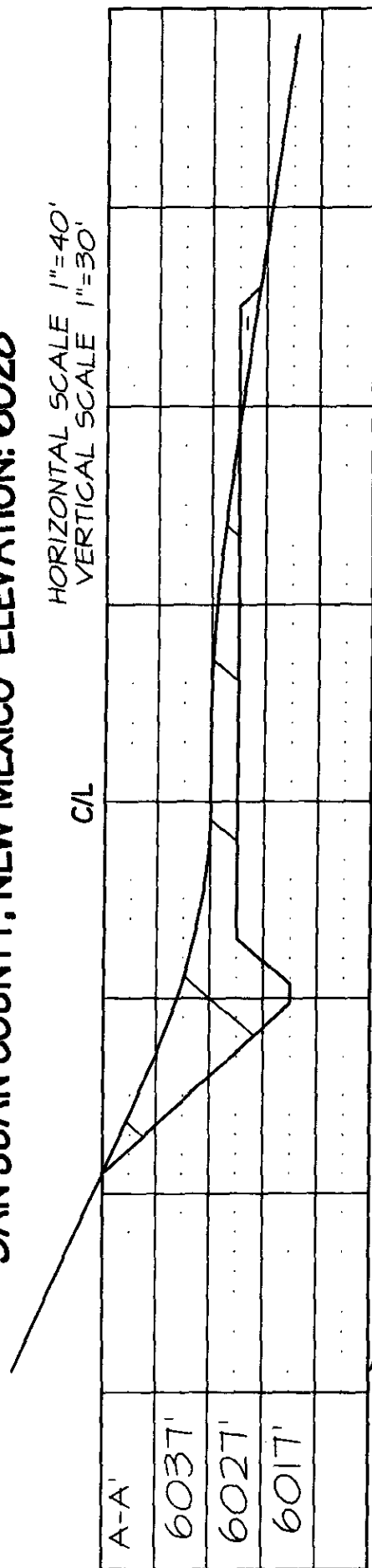
LATITUDE: 36°46.8240'N
LONGITUDE: 107°48.3986'W
DATUM: NAD1927

~ SURFACE OWNER ~
Bureau of Land Management



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

**BURLINGTON RESOURCES OIL & GAS COMPANY MANSFIELD #11N
1735' FSL & 1545' FWL, SECTION 29, T30N, R9W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6028'**



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MANSFIELD 11N

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.5403/5403MV		AFE \$:	
Field Name: hBR SAN JUAN		Rig: Aztec Rig 673		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Deviated	
Latitude: 36.780253	Longitude: -107.806685	X:	Y:	Section: 29	Range: 009W
Footage X: 1545 FWL	Footage Y: 1735 FSL	Elevation: 6027	(FT)	Township: 030N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27		Deviated	
Latitude: 36.781193	Longitude: -107.809520	X:	Y:	Section: 29	Range: 009W
Footage X: 700 FWL	Footage Y: 2020 FSL	Elevation:	(FT)	Township: 030N	
Tolerance:					

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6039	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	5823	☐			12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 203 cuft. Circulate Cmt to surface.
OJO ALAMO	1499	4540	☐			
KIRTLAND	1554	4485	☐			
FRUITLAND	2359	3680	☐			
PICTURED CLIFFS	2659	3380	☐			
LEWIS	2854	3185	☐			
Intermediate Casing	3275	2764	☐			8 3/4" hole. 7" 23 ppf L-80, LTC casing. Circulate cement to surface. Cement with 763 cu.ft.
HUERFANITO BENTONITE	3412	2627	☐			
CHACRA	3657	2382	☐			
MASSIVE CLIFF HOUSE	4278	1761	☐			
MENEFEE	4434	1605	☐			
MASSIVE POINT LOOKOUT	4899	1140	☐			
MANCOS	5236	803	☐			
UPPER GALLUP	6174	-135	☐			
GREENHORN	6914	-875	☐			
GRANEROS	6966	-927	☐			
TWO WELLS	7014	-975	☐			
PAGUATE	7110	-1071	☐			
CUBERO	7156	-1117	☐			
ENCINAL	7226	-1187	☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MANSFIELD 11N

DEVELOPMENT

Total Depth	7226	-1187	☐	1500	6 1/4" hole. 4 1/2", 11.6 ppf, L-80 LTC casing. Cement with 605 cu.ft. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	Mansfield 11 SW29-30N-09W	

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
	CBL/GR
	Mudlog from 100' T/Greenhorn to TD.
	Final TD should be ~116' below T/Paguate.

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

Comments: Location/Tops/Logging - MVNM030N009W29SW2 AND DK 30N09W29SW2

Zones - MVNM030N009W29SW2 AND DK 30N09W29SW2

General/Work Description - 7/25/06 DEFER FOR DD EVALUATION HEAVY ARCH ISSUES; NO LEWIS
 NO LEWIS
 11/21/06 we now have c102 and waiting on Onsite
 11/22/06 onsite
 11/14/06 NOS

ConocoPhillips or its affiliates

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well Mansfield #11N
Project:	San Juan Basin	TVD Reference:	WELL @ 6042.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK we	MD Reference:	WELL @ 6042.0ft (Original Well Elev)
Well:	Mansfield #11N	North Reference:	True
Wellbore:	Mansfield #11N	Survey Calculation Method:	Minimum Curvature
Design:	Mansfield #11N	Database:	EDM Central Planning

Targets

Target Name

- hit/miss target - Shape	Dip Angle (d)	Dip Dir. (d)	TVD (ft)	+N/-S ft	+E/-W ft	Northing (ft)	Easting (ft)	Latitude	Longitude
Mansfield #11N - ICI - plan hits target - Point	0.00	0.00	3,275.0	288.0	-845.0	300.15	-840.95	30° 59' 27.363" N 109° 25' 53.801" W	
Mansfield #11N - PC - plan hits target - Point	0.00	0.00	7,226.0	288.0	-845.0	300.15	-840.95	30° 59' 27.363" N 109° 25' 53.801" W	

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
1,552.1	1,499.0	Ojo Alamo		0.00	
1,611.6	1,554.0	Kirtland		0.00	
2,482.1	2,359.0	Fruitland		0.00	
2,805.0	2,659.0	Pictured Cliffs		0.00	
3,007.8	2,854.0	Lewis		0.00	
3,569.2	3,412.0	Huerf. Bent		0.00	
3,814.2	3,657.0	Chacra		0.00	
4,435.2	4,278.0	Mass. Cliffhouse		0.00	
4,591.2	4,434.0	Menefee		0.00	
5,056.2	4,899.0	Mass. Pt. Lookout		0.00	
5,393.2	5,236.0	Mancos		0.00	
6,331.2	6,174.0	Upper Gallup		0.00	
7,071.2	6,914.0	Greenhorn		0.00	
7,123.2	6,966.0	Graneros		0.00	
7,171.2	7,014.0	Two Wells		0.00	
7,267.2	7,110.0	Paguate		0.00	
7,313.2	7,156.0	Cubero		0.00	
7,383.2	7,226.0	Encinal		0.00	

Checked By: _____	Approved By: _____	Date: _____
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