

RCVD APR18'07
OIL CONS. DIV.
DIST. 3

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 NMSF-078503 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 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 #109P
4. Location of Well Surf: Unit B (NWNE), 780' FNL & 2340' FEL SURF: Latitude 36° 421.1286 N Longitude 107° 36.6405 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 30, T29N, R7W API # 30-039-30735
14. Distance in Miles from Nearest Town 22 mile/Blanco	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 780'	
16. Acres in Lease	17. Acres Assigned to Well MV/DK - 320 (E/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl. or Applied for on this Lease	
19. Proposed Depth 7505'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6334' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <i>Rhonda Rogers</i> Rhonda Rogers (Regulatory Technician)	3-30-07 Date

PERMIT NO.

APPROVAL DATE

APPROVED BY *D. Martinez*

TITLE *AFM*

DATE *4/17/07*

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 OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

4/19/07
NMOC

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

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

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

Submit to Appropriate District Office
State Lease - 4 Copies
2007 MAR 30 PM 2:38
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

RECEIVED AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAN
BURLINGTON, NM

¹ API Number 30-039-30235	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA
⁴ Property Code 7464 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 109P
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6334'

¹⁰ Surface Location

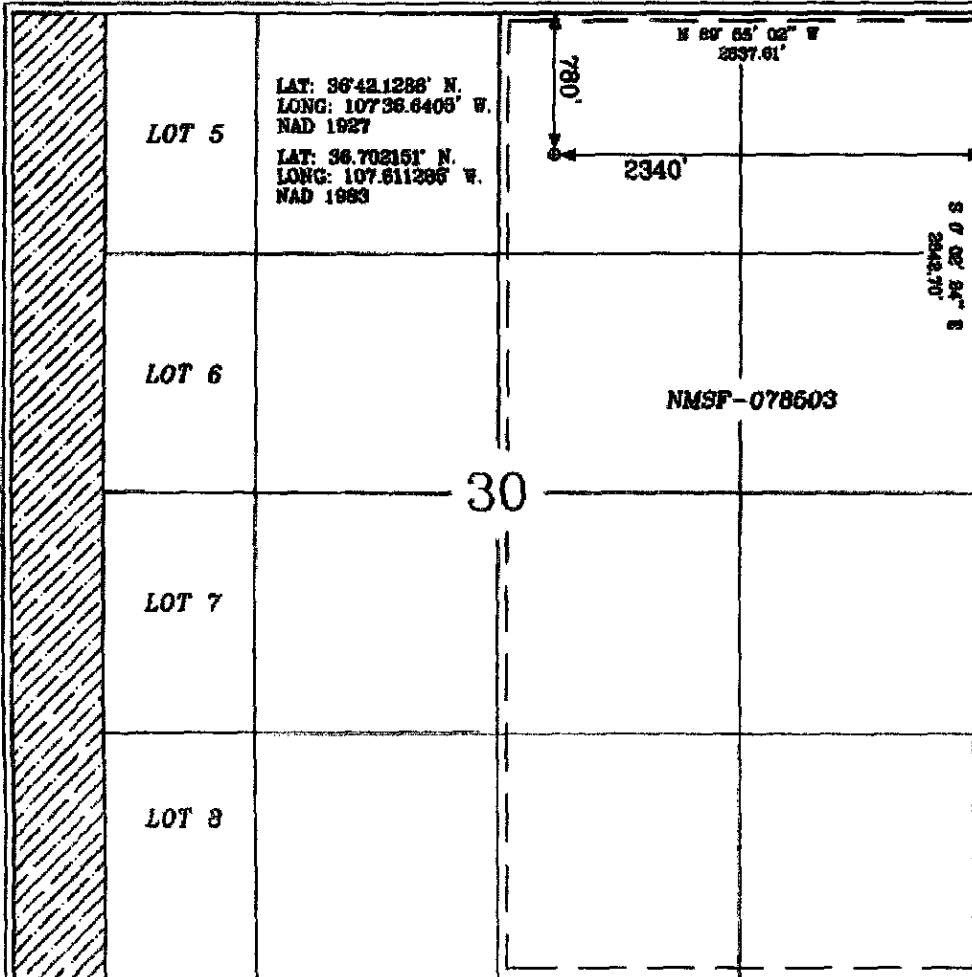
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
B	30	29-N	7-W		780'	NORTH	2340'	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres E2 320.00 MV/DK					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. RCUD APR18'07 OIL CONS. DIV. DIST. 3

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 undivided 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.

Juanita Farrell
Signature

JUANITA FARRELL
Printed Name
REGULATORY TECHNICIAN

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plan 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.

11-16-06
Date of Survey
Signature of Professional Surveyor

NEW MEXICO
15703

Robert W. Russell
Certificate Number 15703

Office

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

State of New Mexico

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

WELL API NO.

30-039- 30235

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

NMSF-078503

7. Lease Name or Unit Agreement Name

San Juan 29-7 Unit

8. Well Number

109P

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco Mesaverde / Basin Dakota

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 B : 780' feet from the North line and 2340' feet from the East line
Section 30 Township 29N Rng 7W NMPM County Rio Arriba

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

6334'

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

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, 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, vent/flare pit and pre-set mud pit will be unlined 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 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

TITLE

Regulatory Technician

DATE

3/14/2007

Type or print name

Rhonda Rogers

E-mail address:

rogers@brc-inc.com

Telephone No.

505-326-9700

For State Use Only

APPROVED BY

TITLE

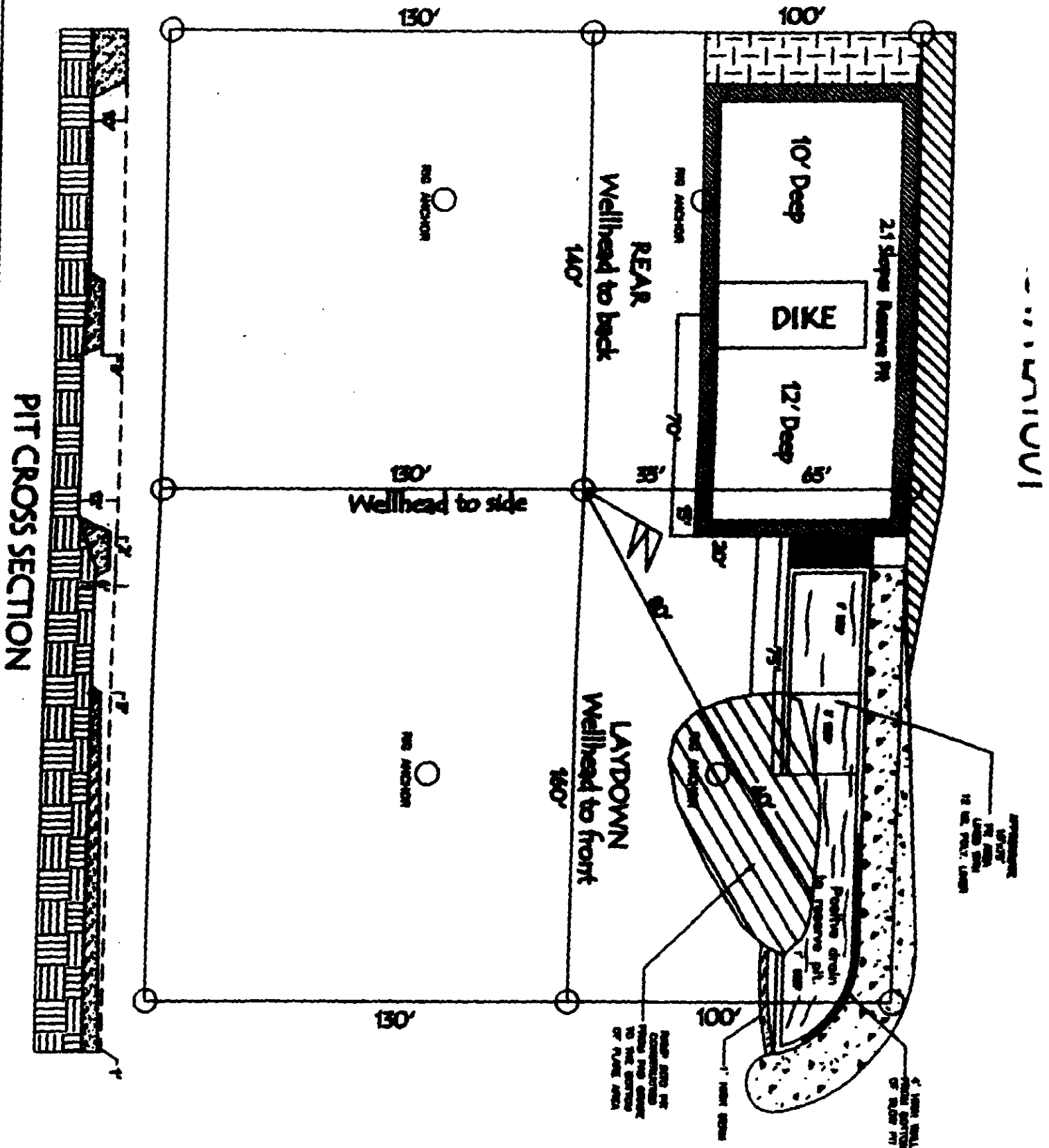
DEPUTY OIL & GAS INSPECTOR, DIST. 1

DATE

APR 19 2007

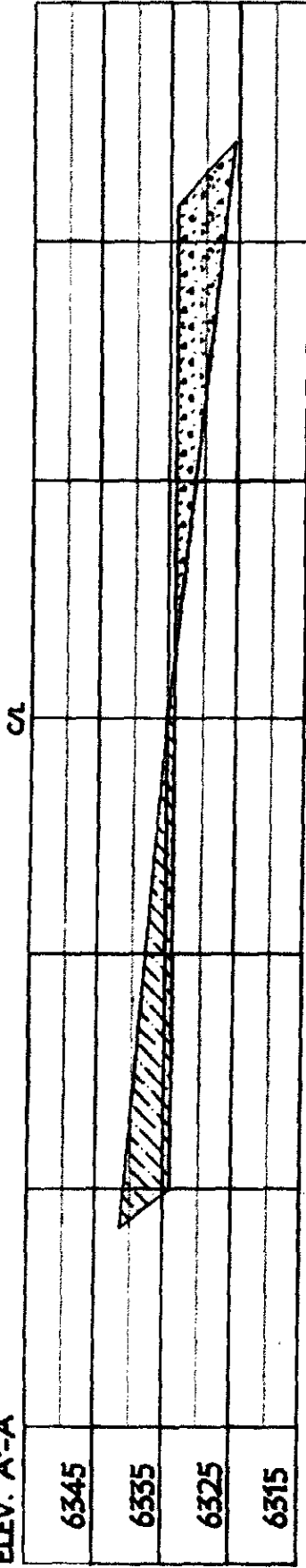
Conditions of Approval (if any):

50' CONSTRUCTION ZONE

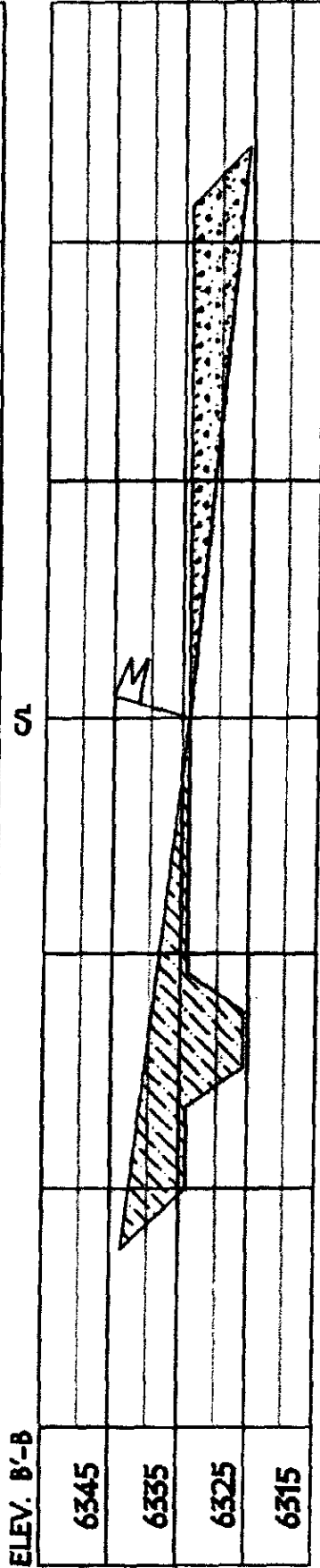


BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 29-7 UNIT 109P, 780' FNL & 2340' FEL
SECTION 30, T-29-N, R-7-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6334', DATE: NOVEMBER 9, 2006

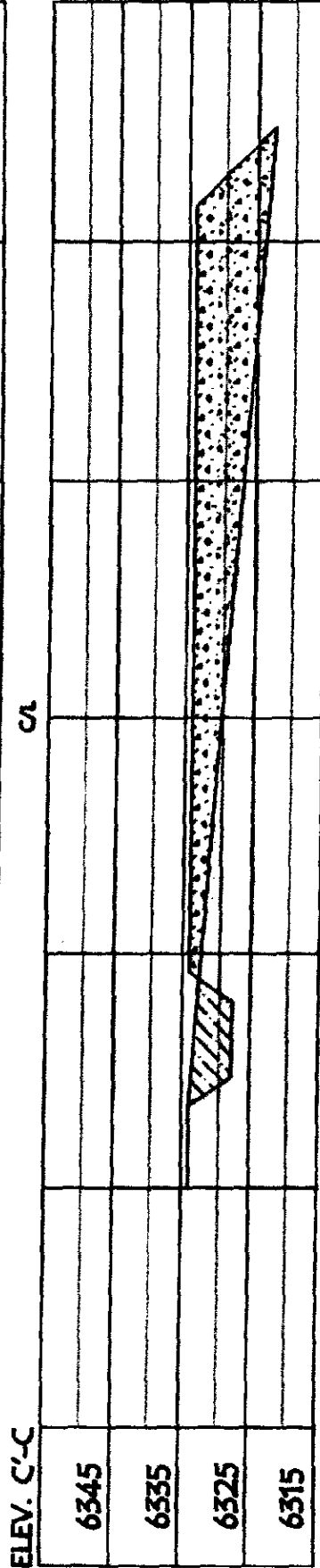
ELEV. A'-A



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 109P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7011		AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: XX 2008 29N		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Pippin, Eddie A		Phone: 505-326-9780		Prod. Engineer:	
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		Straight Hole	
Latitude: 36.702144	Longitude: -107.610676	X:	Y:	Section: 30	Range: 007W
Footage X: 2340 FEL	Footage Y: 780 FNL	Elevation: 6334 (FT)	Township: 029N		
Tolerance:					

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6348	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	6132	<input type="checkbox"/>			12-1/4" hole. 9-5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
OJAM	2005	4343	<input type="checkbox"/>			Possible water flows.
KRLD	2185	4163	<input type="checkbox"/>			
FRLD	2617	3731	<input type="checkbox"/>			Possible gas.
PCCF	3003	3345	<input type="checkbox"/>			
LEWS	3126	3222	<input type="checkbox"/>			
Intermediate Casing	3226	3122	<input type="checkbox"/>			8-3/4" hole. 7", 20 ppf, J-55, STC Casing. Cement with 726 cuft. Circulate cement to surface.
HURF	3621	2727	<input type="checkbox"/>			
CHRA	3961	2387	<input type="checkbox"/>			
UCLFH	4435	1913	<input type="checkbox"/>			
CLFH	4625	1723	<input type="checkbox"/>			Gas; possibly wet
MENF	4785	1563	<input type="checkbox"/>			Gas.
PTLK	5184	1164	<input type="checkbox"/>	400		Gas.
MNCS	5681	667	<input type="checkbox"/>			
GLLP	6445	-97	<input type="checkbox"/>			Gas. Possibly wet.
GRHN	7174	-826	<input type="checkbox"/>	1600		Gas possible, highly fractured
GRRS	7233	-885	<input type="checkbox"/>			
TWLS	7274	-926	<input type="checkbox"/>			Gas
CBBO	7410	-1062	<input type="checkbox"/>			Gas
CBRL	7433	-1085	<input type="checkbox"/>			
ENCINAL	7495	-1147	<input type="checkbox"/>			
TD	7505	-1157	<input type="checkbox"/>			TD 10 ft below T/ENCN, 6-1/4" hole. 4-1/2" 10.5/11.6 J-55 STC/LTC casing. Cement with 582 cuft. Circulate cement a minimum of 100' inside the previous casing string..

Reference Wells:		
Reference Type	Well Name	Comments
Production	29-7 #117E	NW 30-29N-7W

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 109P

DEVELOPMENT

Production	29-7 #109M	SE 30-29N-7W
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Logging Program:Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple ComboTD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR_CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DK 29N07W30NE2 and MVNM029N007W30NE2 Avoid A & H due to existing wells, preferences are B & G, no twin options, topo will push location to west.

Zones - DK 29N07W30NE2 and MVNM029N007W30NE2

General/Work Description - LEWIS INCLUDED