

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 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 #117M	
4. Location of Well Unit C (NENW), 150' FNL & 1390' FWL Latitude 36° 43.1010 N Longitude 107° 36.8133 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) C Sec. 19, T29N, R7W API # 30-039-30245	
14. Distance in Miles from Nearest Town 13 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 150'	17. Acres Assigned to Well MV 228.88 (E/W) DK E/W E/NW W/2 (Sec. 19) & 361.64 NW (Sec. 30)	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1052' from San Juan 29-7 Unit 76B	
19. Proposed Depth 8110'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6917' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	4/11/07 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ATM DATE 5/1/07

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

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

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

5/9/07

RCVD MAY3'07
OIL CONS. DIV.
DIST. 3

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

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

DISTRICT III
1000 Rio Branco 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, 2005

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

210 FARM ROAD, NM 87505 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30245	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 117M
⁷ OGRD No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6917'

¹⁰ Surface Location

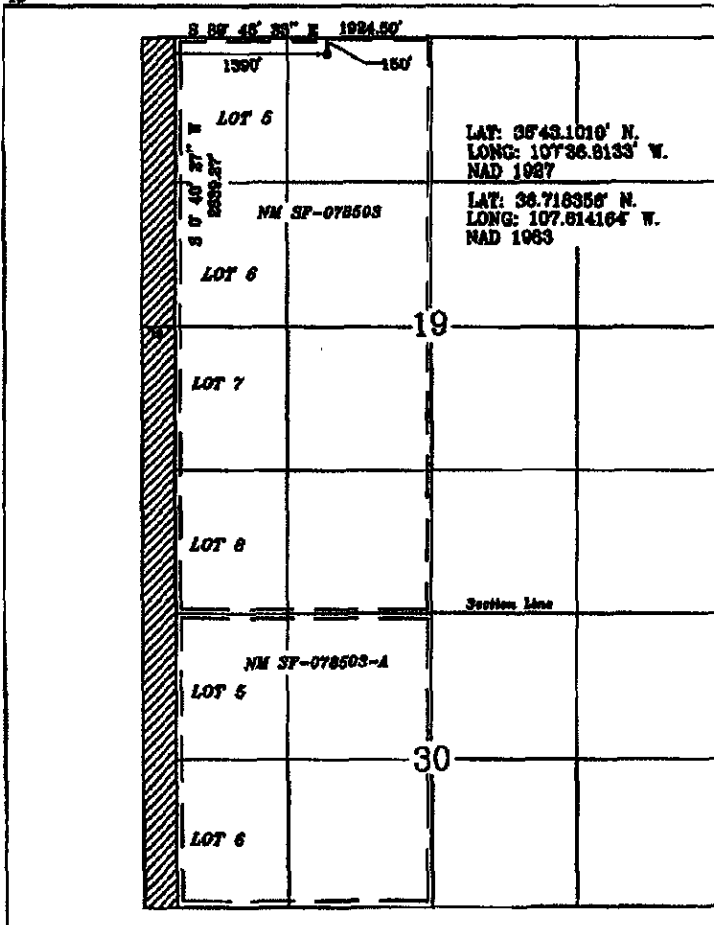
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	19	29-N	7-W		150'	NORTH	1390'	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 361.64 ac DK E/W E/NW 238.880 ac MV E/W					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. NSP-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

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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.

Amanda Sanchez
Signature

AMANDA SANCHEZ
Printed Name
REGULATORY TECHNICIAN

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.

11-6-06
Date of Survey
Signature
GLEN V. RUSSELL
NEW MEXICO
LICENSED PROFESSIONAL SURVEYOR
15703
Certificate Number
15703

District I

1625 N. French Dr., Hobbs, NM 88240

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1301 W. Grand Ave., Artesia, NM 88210

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

May 27, 2004

WELL API NO.	30-039- 30245
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	NM SF-078503
7. Lease Name or Unit Agreement Name	San Juan 29-7 Unit
8. Well Number	117M
9. OGRID Number	14538
10. Pool name or Wildcat	Blanco Mesaverde / Basin Dakota
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6917'	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type <u>New Drill</u>	Depth to Groundwater <u>>100'</u>
Pit Liner Thickness: <u>N/A</u> mil	Below-Grade Tank: <u>Volume</u> bbls; Construction Material <u></u>

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 C : 150' feet from the North line and 1390' feet from the West line
Section 19 Township 29N Rng 7W NMPM County Rio Arriba

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	<input type="checkbox"/>	REMEDIAL WORK	<input type="checkbox"/>
TEMPORARILY ABANDON	<input type="checkbox"/>	COMMENCE DRILLING OPNS.	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	CASING/CEMENT JOB	<input type="checkbox"/>
PLUG AND ABANDON	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>	P AND A	<input type="checkbox"/>
MULTIPLE COMPL	<input type="checkbox"/>		
OTHER: <u>New Drill</u>	<input checked="" type="checkbox"/>	OTHER:	<input type="checkbox"/>

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.

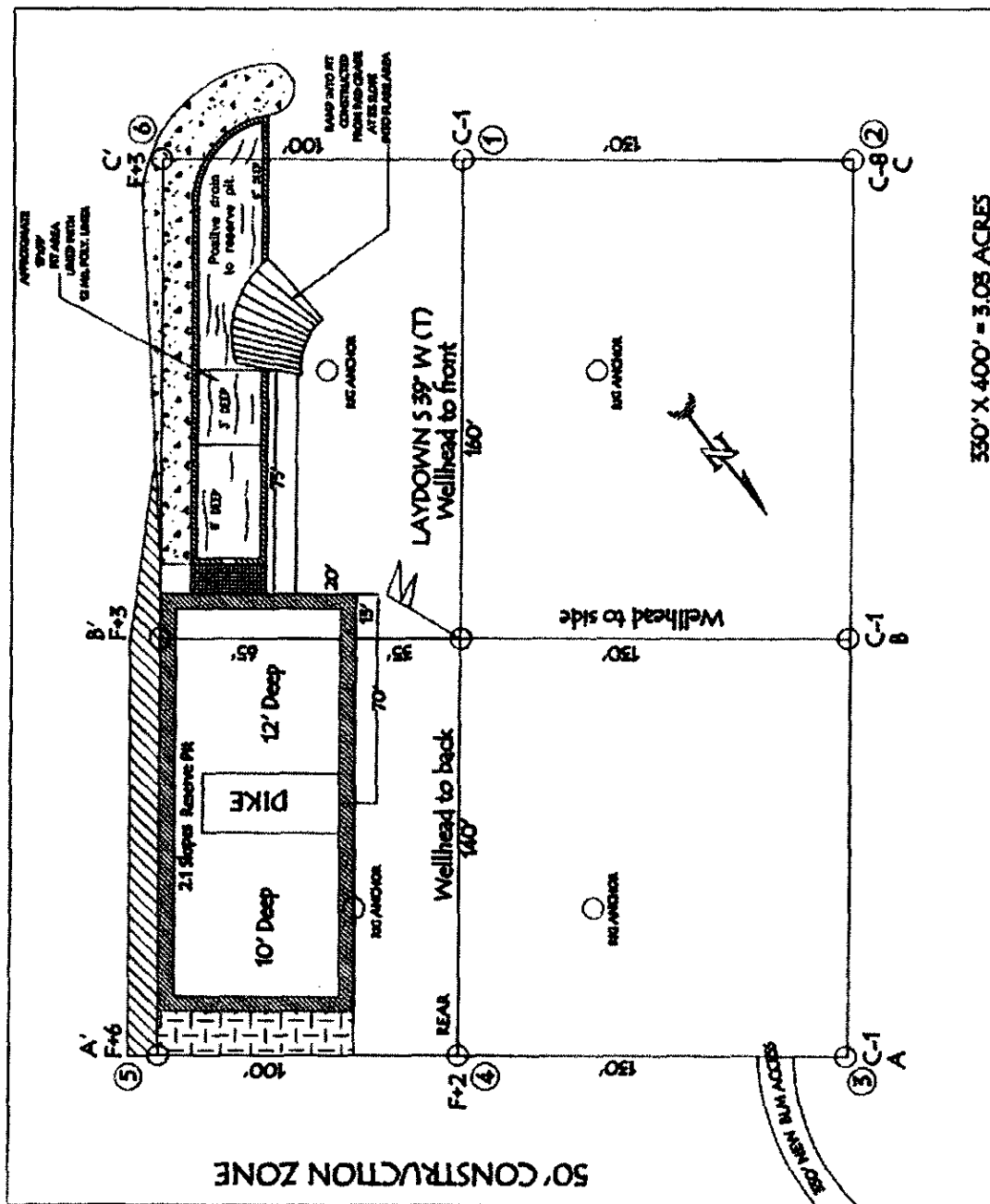
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Rhonda Rogers TITLE Regulatory Technician DATE 3/14/2007

Type or print name Rhonda Rogers E-mail address: rrogers@brc-inc.com Telephone No. 505-326-9700
For State Use Only

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. # DATE MAY 09 2007
Conditions of Approval (if any):

BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 29-7 UNIT #117M, 150' FNL & 1390' FWL
SECTION 19, T-29-N, R-7-W, NMPM, RIO ARRIBA COUNTY, NM
GROUND ELEVATION: 6917', DATE: OCTOBER 19, 2006



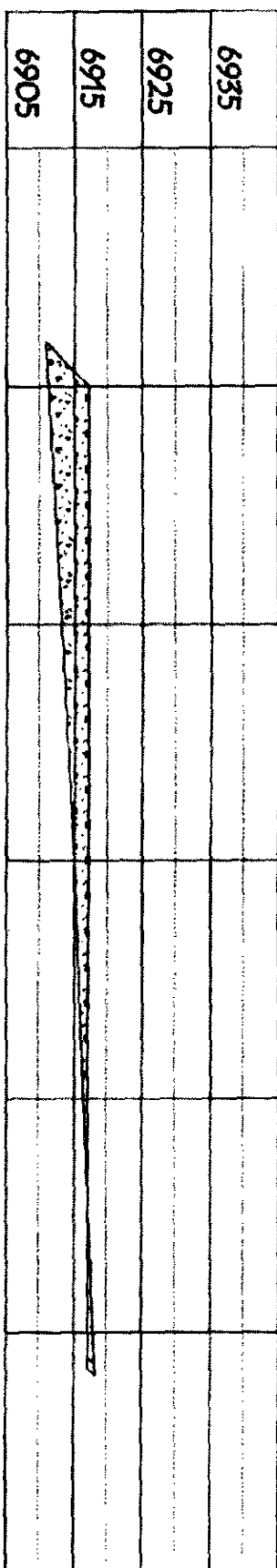
LATITUDE: 36° 43.1010' N LONGITUDE: 107° 36.8133' W NAD27

330' X 400' = 3.03 ACRES

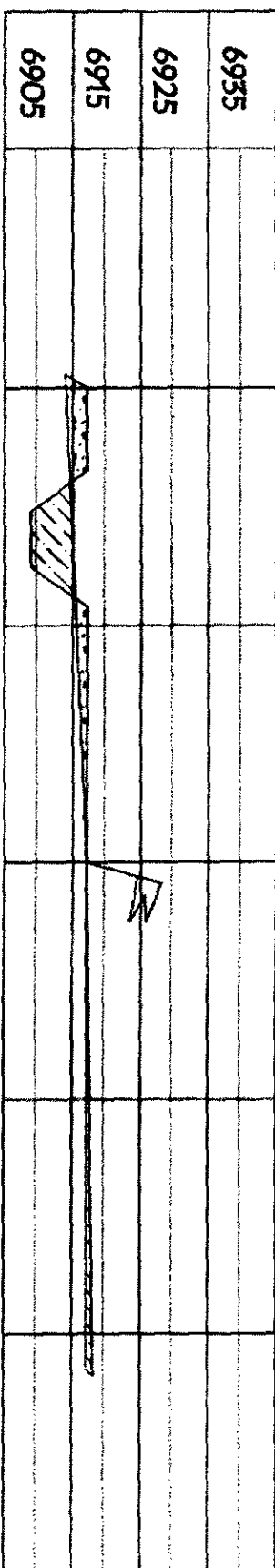
NOTE: VECTOR SURVEY IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 29-7 UNIT #117M, 150' FNL & 1390' FWL
SECTION 19, T-29-N, R-7-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6917', DATE: OCTOBER 19, 2006

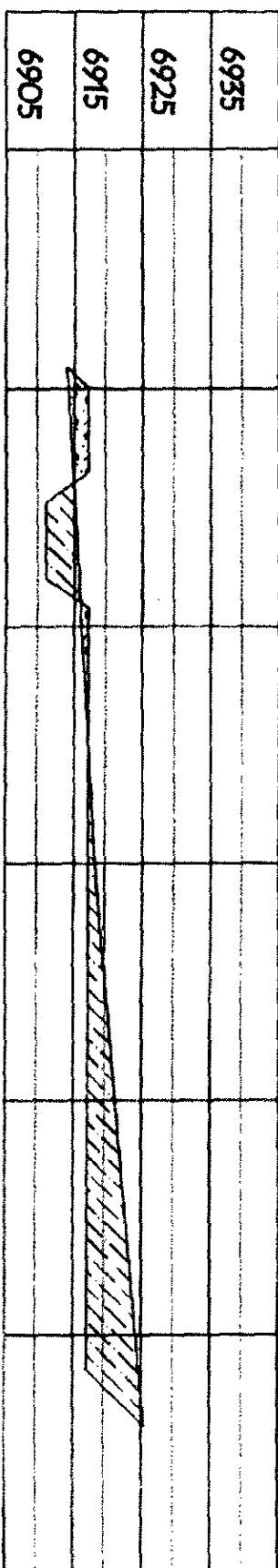
ELEV. A-A



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 117M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7019		AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: XX 2008 29N (2)		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		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: 36.718350	Longitude: -107.613555	X:	Y:	Section: 19	Range: 007W
Footage X: 1390 FWL	Footage Y: 150 FNL	Elevation: 6917	(FT)	Township: 029N	
Tolerance:					

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6931 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6731	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cu. ft. Circulate cement to surface.
OJAM	2597	4334	<input type="checkbox"/>			
KRLD	2779	4152	<input type="checkbox"/>			
FRLD	3137	3794	<input type="checkbox"/>			Possible Gas
PCCF	3619	3312	<input type="checkbox"/>			
LEWS	3759	3172	<input type="checkbox"/>			
Intermediate Casing	3859	3072	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 870 cu. ft. Circulate cement to surface.
CHRA	4598	2333	<input type="checkbox"/>			
UCLFH	5149	1782	<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	5264	1667	<input type="checkbox"/>	468		Gas
MENF	5425	1506	<input type="checkbox"/>			
PTLK	5804	1127	<input type="checkbox"/>			
MNCS	6228	703	<input type="checkbox"/>			
GLLP	7054	-123	<input type="checkbox"/>			
GRHN	7788	-857	<input type="checkbox"/>			
GRRS	7841	-910	<input type="checkbox"/>			
TWLS	7889	-958	<input type="checkbox"/>	1800		Gas
CBRO	8010	-1079	<input type="checkbox"/>			
CBRL	8033	-1102	<input type="checkbox"/>			
ENCINAL	8093	-1162	<input type="checkbox"/>			
OAK CANYON	8110	-1179	<input type="checkbox"/>			
TOTAL DEPTH DK	8110	-1179	<input type="checkbox"/>			6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 579 cu. ft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	29-7 #117M	SW 18-29N-7W

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 117M

DEVELOPMENT

Production	29-7 #126	SW 18-29N-7W
Production	29-7 #45E	SW 20-29N-7W

Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR_CBL; MUDLOG from 100' above GRHN to TD

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DK 29N07W19NW1 and MVNM029N007W19NW2; MUDLOGGER 100' above GRHN to TD. TD at T/ Oak Cyn Sh. ENCN productive nearby. BRCN likely wet. No margin of error if we want to complete in ENCN. Clean out if necessary.

Zones - DK 29N07W19NW1 and MVNM029N007W19NW2