

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 FEB 27 PM 3:46

1a. Type of Work DRILL	5. Lease Number SF-078423 Unit Reporting Number NMNM-7842A-MV	
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 #29B	
4. Location of Well Unit D(NWNW) 1290' FNL & 690' FWL, Latitude 36° 43.7657 N Longitude 107° 31.7010 W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 13, T29N, R7W API # 30-039-30211	
14. Distance in Miles from Nearest Town 20 miles to Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 690'	17. Acres Assigned to Well DK & MV - 320 - (W/2)	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drlg. Compl, or Applied for on this Lease 1015' from San Juan 29-7 Unit #29A		
19. Proposed Depth 7719'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6252' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	RCVD JUL 6'07 OIL CONS. DIV. DIST. 3	
24. Authorized by <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	2-27-07 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 7/3/07

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.

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

NMOCD 7-17-07
BH

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, N.M. 88240

DISTRICT II
1301 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, 2005

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

2007 FEB 27 PM 3:46

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30211		*Pool Code 72319/71599	*Pool Name BLANCO MESAMESAVERDE/BASIN DAKOTA
*Property Code 7465	*Property Name SAN JUAN 29-7 UNIT		*Well Number 29B
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		*Elevation 6252'

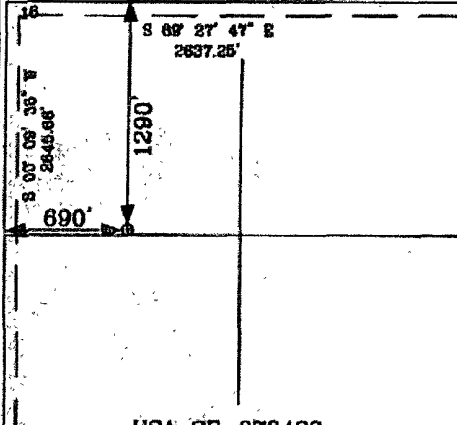

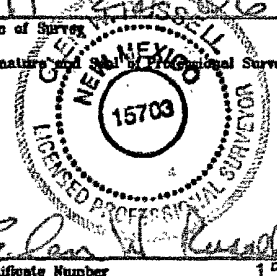
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 14n	Feet from the	North/South line	Feet from the	East/West line	County
D	13	29-N	7-W		1290'	NORTH	690'	WEST	RIO ARriba

¹¹ Bottom Hole Location if Different From Surface

UL or lot no.	Section	Township	Range	Lot 14n	Feet from the	North/South line	Feet from the	East/West line	County
*Dedicated Acres 320.00 MV/DK			*Joint or Infill		*Consolidation Code		*Order No.		

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

	LAT: 36°43.7657' N. LONG: 107°31.7010' W. NAD 1927 LAT: 36.729435' N. LONG: 107.528956' 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 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.  Signature RHONDA ROGERS 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. 11-27-06 Date of Survey  Signature and Seal of Professional Surveyor Certificate Number 15703

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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- 30211
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	USA SF-078423
7. Lease Name or Unit Agreement Name	SAN JUAN 29-7 UNIT
8. Well Number	29B
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 D : 1290' feet from the North line and 690' feet from the West line
Section 13 Township 29N Range 7W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6252'

Pit or Below-grade Tank Application ☒ or Closure ☐

Pit type New Drill Depth to Groundwater 250' Distance from nearest fresh water well >1000' Distance from nearest surface water <1000'

Pit Liner Thickness: 12 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:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <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, 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.

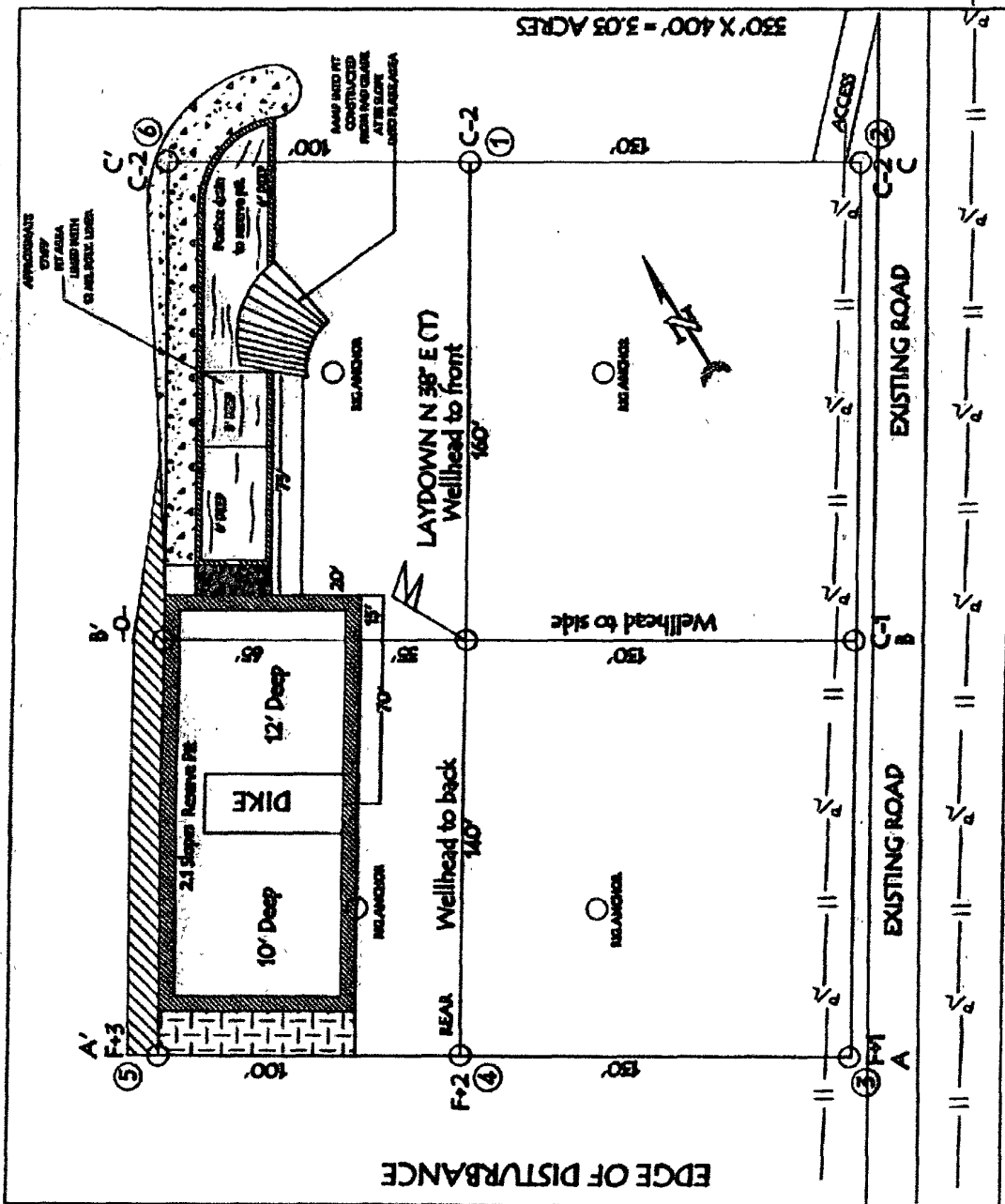
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Kandis Roland TITLE Regulatory Technician DATE 2/15/2007

Type or print name Kandis Roland E-mail address: kburns@brc-inc.com Telephone No. 505-326-9743
For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE JUL 17 2007
Conditions of Approval (if any): Vulnerable area - pits to be closed as specified in Rule 52, 51.

BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 29-7 UNIT 29B, 1290' FNL & 690' FWL
SECTION 13, T-29- N, R-7-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6252', DATE: NOVEMBER 14, 2006



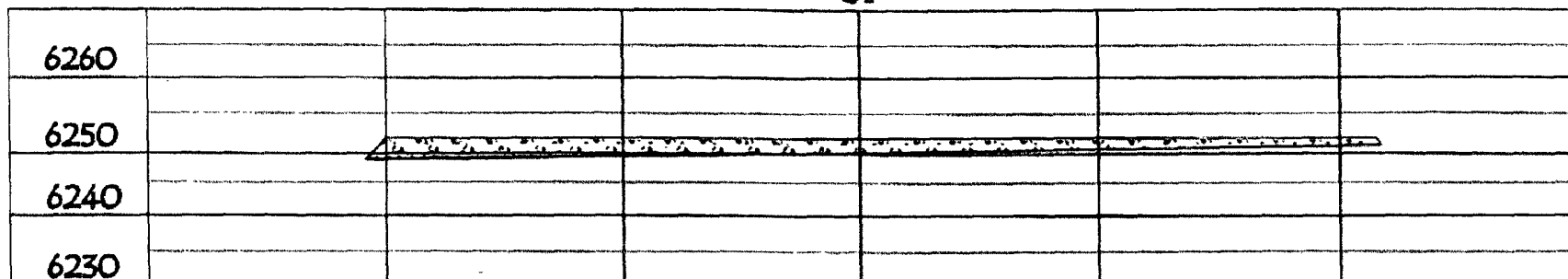
NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

LATITUDE: 36° 43.7657' N LONGITUDE: 107° 51.7010' W NAD27

BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 29-7 UNIT 29B, 1290' FNL & 690' FWL
SECTION 13, T-29- N, R-7-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 6252', DATE: NOVEMBER 14, 2006

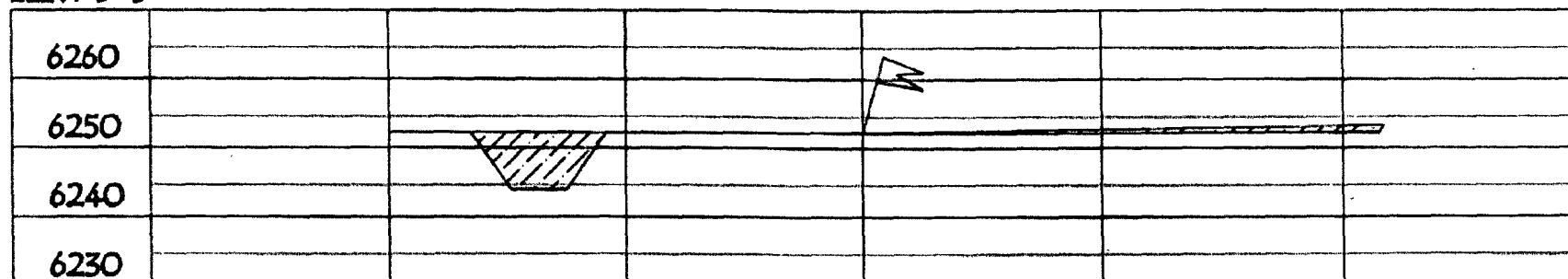
ELEV. A'-A

C/L



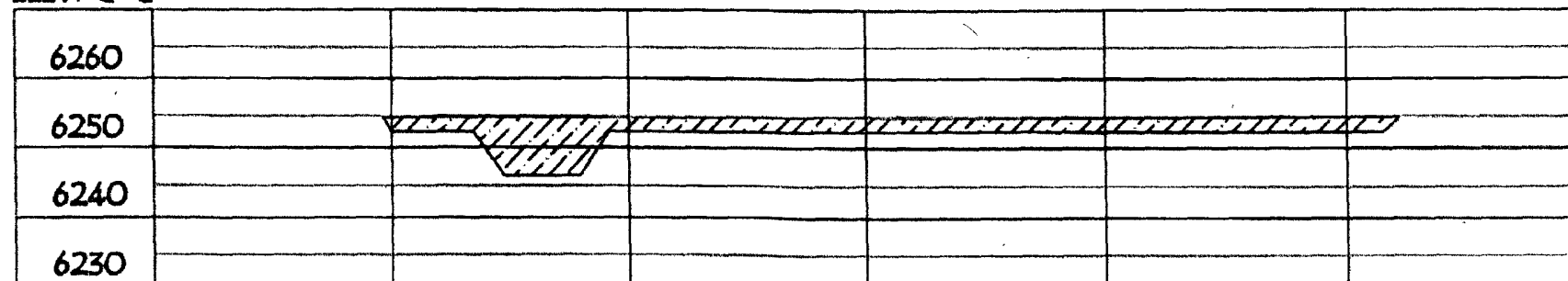
ELEV. B'-B

C/L



ELEV. C'-C

C/L



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 29B

Lease:		AFE #: WAN.CDR.7032		AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer: Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: 832-486-2275		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: 36.729429	Longitude: -107.528350	X:	Y:	Section: 13	Range: 007W
Footage X: 690 FWL	Footage Y: 1290 FNL	Elevation: 6252 (FT)	Township: 029N		
Tolerance:					

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6264 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	216	6048	<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. Possible water flows.
OJAM	2233	4031	<input type="checkbox"/>			
KRLD	2331	3933	<input type="checkbox"/>			
FRLD	2924	3340	<input type="checkbox"/>			Possible gas.
PCCF	3131	3133	<input type="checkbox"/>			
LEWS	3318	2946	<input type="checkbox"/>			
Intermediate Casing	3418	2846	<input type="checkbox"/>			8-3/4" hole. 7", 20 ppf, J-55, STC Casing. Cement with 769 cuft. Circulate cement to surface.
HURF	3869	2395	<input type="checkbox"/>			
CHRA	4113	2151	<input type="checkbox"/>			
UCLFH	4672	1592	<input type="checkbox"/>			
CLFH	4877	1387	<input type="checkbox"/>			Gas; possibly wet
MENF	4964	1300	<input type="checkbox"/>			Gas.
PTLK	5329	935	<input type="checkbox"/>	600		Gas.
MNCS	5704	560	<input type="checkbox"/>			
GLLP	6552	-288	<input type="checkbox"/>			Gas. Possibly wet.
GRHN	7274	-1010	<input type="checkbox"/>	2450		Gas possible, highly fractured
GRRS	7332	-1068	<input type="checkbox"/>			
TWLS	7385	-1121	<input type="checkbox"/>			Gas
CBBO	7475	-1211	<input type="checkbox"/>			Gas
CBRL	7507	-1243	<input type="checkbox"/>			
ENCINAL	7584	-1320	<input type="checkbox"/>			
BRRO	7654	-1390	<input type="checkbox"/>			
MRSN	7699	-1435	<input type="checkbox"/>			Gas. Possible Lost Circulation.
TD	7719	-1455	<input type="checkbox"/>			TD 20 ft into Morrison. 6-1/4" hole. 4-1/2", 10.5/11.6 ppf, J-55, STC/LTC casing. Cement with 585 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 29B

Production	29-7 #33C	SWNE of 13-29-7; On strike
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Logging Program:

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

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

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DK 29N07W13NW1 and MVNM029N007W13NW2 NOTE: Chip Head well to be mud drilled to Morrison and OH logged! Logging cancelled - does not require mud drilling or a TD in Morrison.

Zones - DK 29N07W13NW1 and MVNM029N007W13NW2