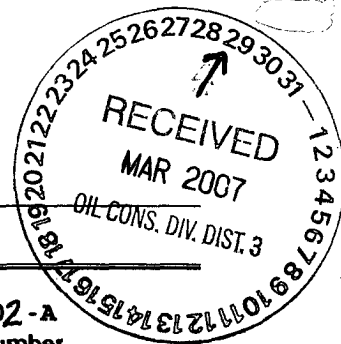


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2007 MAR -8 PM 3:03

1a. Type of Work DRILL	5. Lease Number USA SF-079302-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 Sanchez A 9. Well Number #2M
4. Location of Well Unit N (SESW), 1235' FSL & 1870' FWL, Latitude 36° 28.07277 N Longitude 107° 29.59773 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 20, T26N, R6W API # 30-039- 30223
14. Distance in Miles from Nearest Town	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1235'	
16. Acres in Lease	17. Acres Assigned to Well DK & MV - 320 (8/2)
18. Distance from Proposed Location to Nearest Well, Drlg. Compl. or Applied for on this Lease	
19. Proposed Depth 7512'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6714' 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)	<u>3-8-07</u> 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**

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

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

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

DISTRICT II
911 South First, Artesia, N.M. 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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

2007 MAR -8 PM 3:03

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30223	*Pool Code 72319/71599	*Pool Name MESA VERDE/DAKOTA
*Property Code 7496 7496	*Property Name SANCHEZ A	*Well Number 2M
*Cased No. 14538	*Operator Name BURLINGTON RESOURCES O&G CO LP	*Elevation 6714'

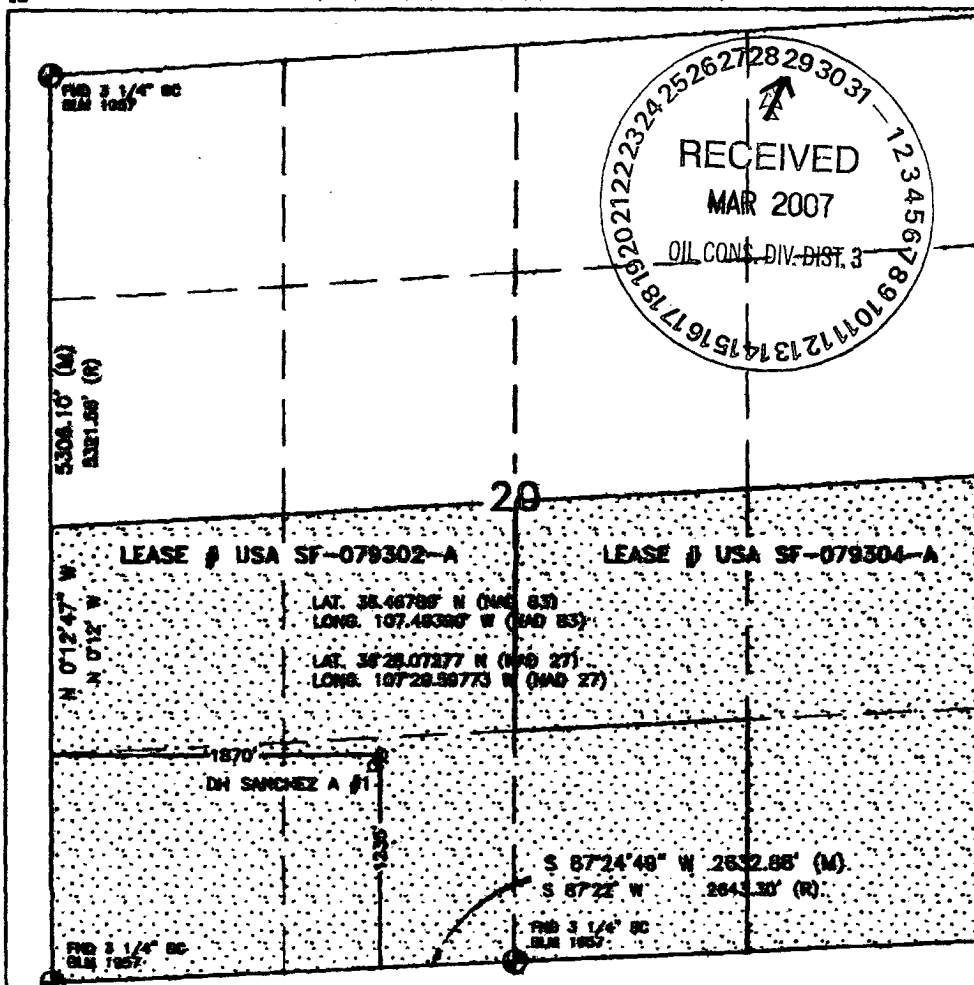
10 Surface Location

UL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
M	20	28N	6W		1235'	SOUTH	1870'	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
N									
*Dedicated Acres 310 Acres (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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief.

Kandis Roland
Signature
Kandis Roland

Printed Name
Regulatory Technician

Date
February 15 2007

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.

SEPTEMBER 27, 2006

Date of Survey
Signature and Seal of Professional Surveyor

David H. Russell
Signature
DAVID H. RUSSELL
NEW MEXICO
10201
DAVID RUSSELL
Certificate Number 10201

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

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039- 30223

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

USA SF-079302-A

7. Lease Name or Unit Agreement Name

Sanchez A

8. Well Number

2M

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 N : 1235' feet from the South line and 1870' feet from the West line
Section 20 Township 26N Rng 6W NMPM County Rio Arriba

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

6714'

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

2/28/2007

Type or print name

Kandis Roland

E-mail address:

kburns@brc-inc.com

Telephone No.

505-326-9700

For State Use Only

APPROVED BY

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. OF

DATE

MAR 30 2007

Conditions of Approval (if any):

BURLINGTON RESOURCES O&G CO LP

SANCHEZ A #2M

1235' FSL & 1870' FWL

LOCATED IN THE SE/4 SW/4 OF

SECTION 20, T26N, R6W, N.M.P.M.,

RIO ARRIBA COUNTY, NEW MEXICO

GROUND ELEVATION: 6714'; NAVD 88

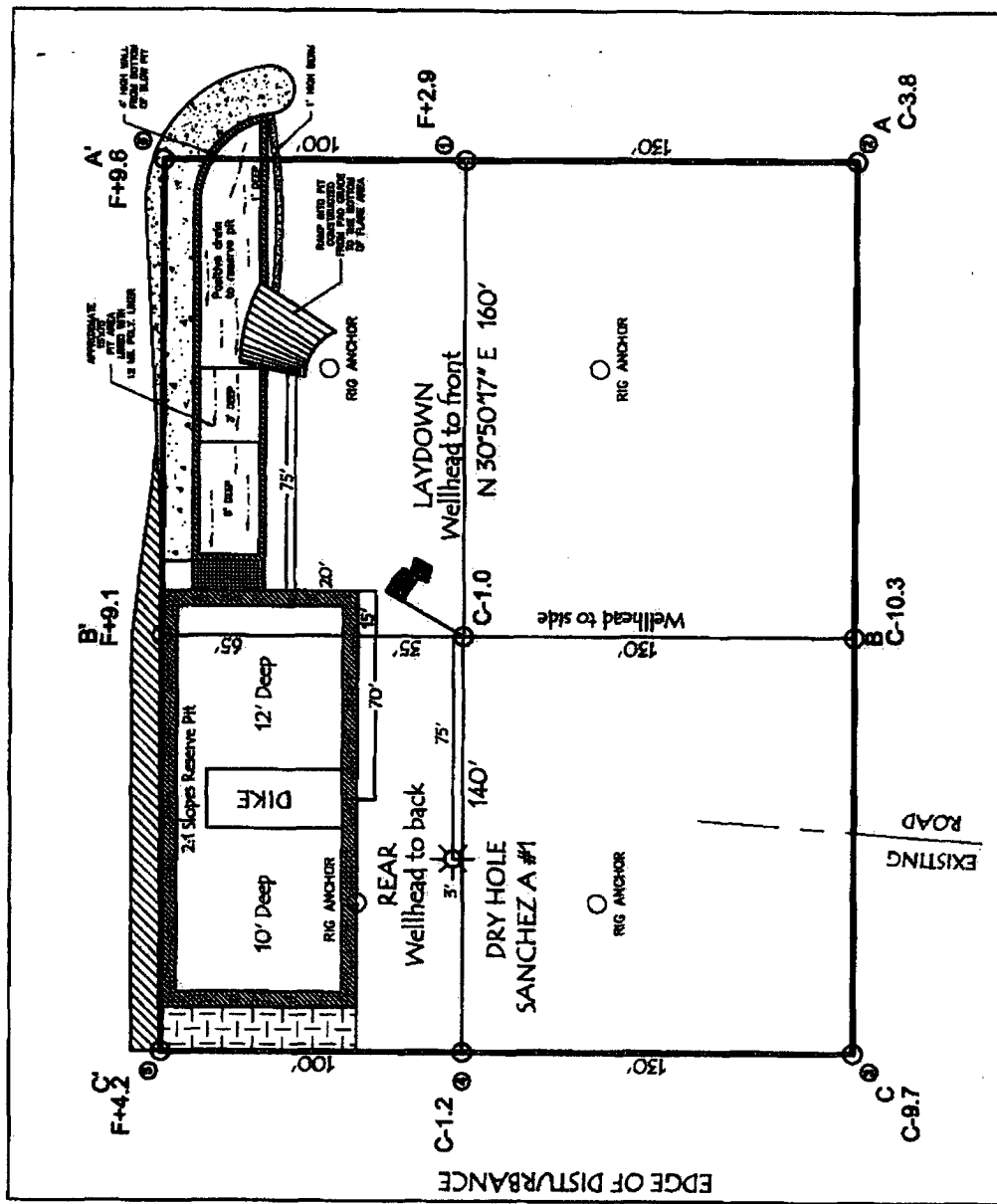
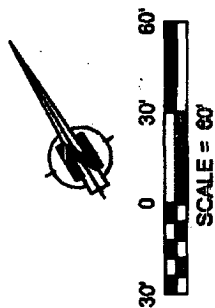
FINISHED PAD ELEVATION: 6712.7', NAVD 88

SLOPES TO BE CONSTRUCTED TO MATCH THE ORIGINAL CONTOURS AS CLOSE AS POSSIBLE.

330' x 400' = 3.03 ACRES OF DISTURBANCE
SCALE: 1" = 60'
JOB No.: COPC043
DATE: 10/03/06

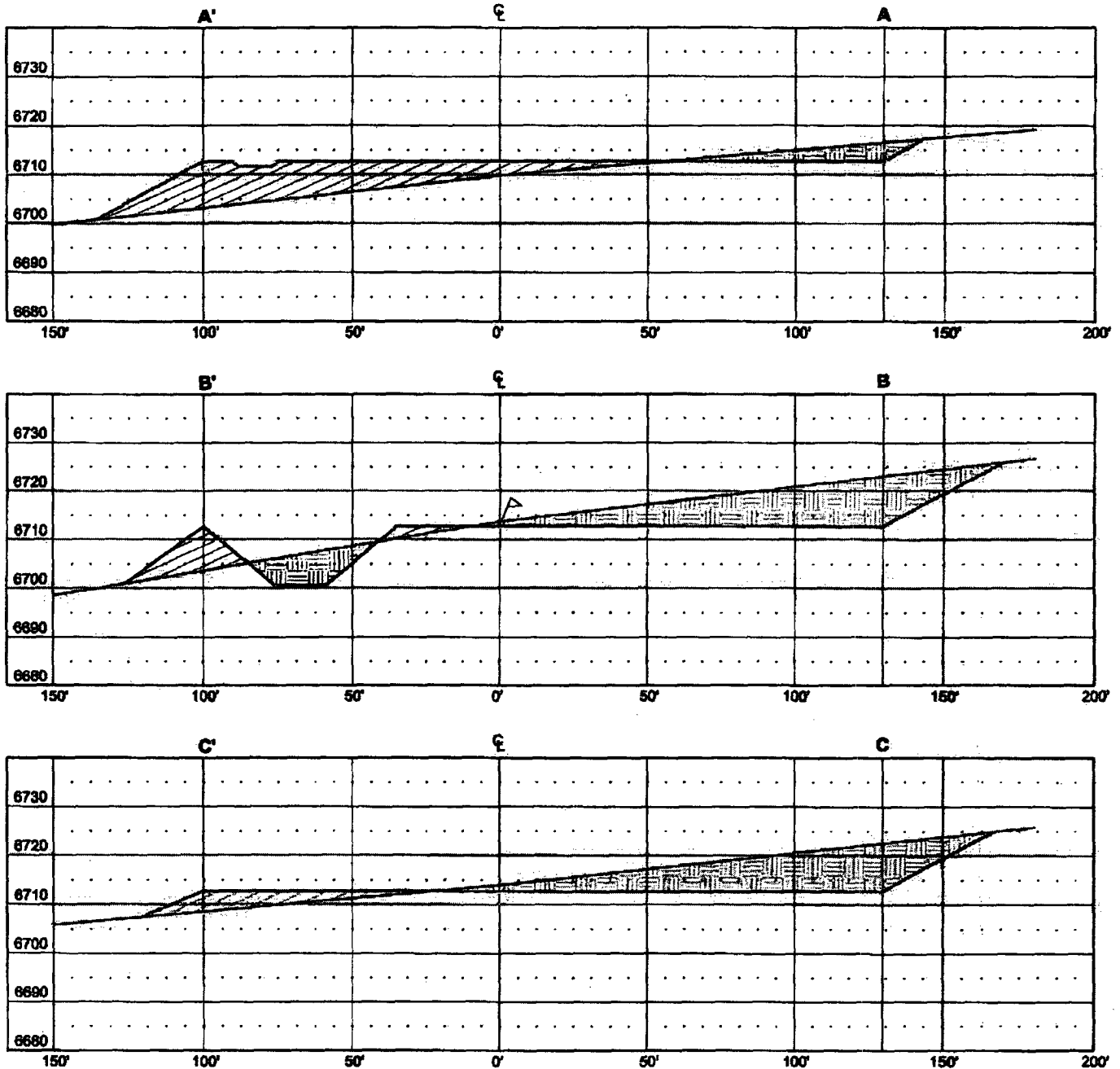
NOTE: RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR
CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR
TO CONSTRUCTION.

Russell Surveying
1409 W. Aztec Blvd. #5
Aztec, New Mexico 87410
(505) 334-8637



LATITUDE: 36.46789°N
LONGITUDE: 107.49390°W
DATUM: NAD 83

BURLINGTON RESOURCES O&G CO LP
SANCHEZ A #2M
1235' FSL & 1870' FWL
LOCATED IN THE SE/4 SW/4 OF
SECTION 20, T26N, R6W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
GROUND ELEVATION: 6714', NAVD 88
FINISHED PAD ELEVATION: 6712.7', NAVD 88



THIS DIAGRAM IS AN ESTIMATE OF DIRT BALANCE AND IS NOT INTENDED TO BE AN EXACT MEASURE OF VOLUME

VERT. SCALE: 1" = 30'
HORZ. SCALE: 1" = 50'
JOB No.: COPC043
DATE: 10/03/08



Russell Surveying
1408 W. Aztec Blvd. #3
Aztec, New Mexico 87410
(505) 334-8637

PROJECT PROPOSAL - New Drill / Sidetrack

SANCHEZ A 2M

DEVELOPMENT

Lease:	AFE #: WAN.ZA2.7831/7832DK			AFE \$:
Field Name: hBR_SAN JUAN	Rig: H&P Rig 283	State: NM	County: RIO ARRIBA	API #:
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
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface	Datum Code: NAD 27	Straight Hole		
Latitude: 36.467880	Longitude: -107.493295	X:	Y:	Section: 20
Footage X: 1870 FWL	Footage Y: 1235 FSL	Elevation: 6714	(FT)	Township: 026N
Tolerance:				

Location Type: Summer Only	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6730	Units = FT		

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	216	6514	☐			12-1/4 hole. 216' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
OJAM	2278	4452	☐			
KRLD	2448	4282	☐			
FRLD	2752	3978	☐			Possible Gas
PCCF	2942	3788	☐			
LEWS	3079	3651	☐			
Intermediate Casing	3179	3551	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 715 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3368	3362	☐	468		Gas
CHRA	3814	2916	☐			
MASSIVE CLIFF HOUSE	4604	2126	☐			Gas
MENF	4630	2100	☐			
PTLK	5212	1518	☐			
MNCS	5518	1212	☐			
GLLP	6272	458	☐			
GRHN	7122	-392	☐			
GRRS	7166	-436	☐			
TWLS	7223	-493	☐	1800		Gas
CBRO	7308	-578	☐			
CBRL	7337	-607	☐			
ENCINAL	7416	-686	☐			
TOTAL DEPTH DK	7512	-782	☐			6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 590 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	Sanchez 1-A	SW20-26N-6W
Production	Vaughn 32E	NW29-26N-6W
Production	Vaughn 31	NE29-26N-6W

PROJECT PROPOSAL - New Drill / Sidetrack

SANCHEZ A 2M

DEVELOPMENT

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 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 - MVNM026N006W20SW2 and DK 26N06W20SW2, MUDLOGGER 100' above GRHN to TD

Zones - MVNM026N006W20SW2 and DK 26N06W20SW2

General/Work Description - NO LEWIS