

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 87010

District III

1000 Ido Becas Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

I. Location Plat - Morrow

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised March 17, 1999

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-29879		2 Pool Code 70920		3 Pool Name Avalon Morrow	
4 Property Code 21833		5 Property Name Lakeshore Federal JO Com			6 Well Number 2
7 OGRID No. 002678		8 Operator Name Bonneville Fuels Corporation			9 Elevation 3180

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	10	21S	26E		1750	South	660	East	Eddy

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 325.16	13 Joint or Infill N	14 Consolidation Code C	15 Order No. Communitization Agreement # NM 100717
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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					17 OPERATOR CERTIFICATION	
					I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
					Signature <i>Alan L. Merrill</i>	
					Printed Name Alan L. Merrill	
					Title Operations Engineer	
					Date 5/4/00	
					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.	
					Date of Survey	
					Signature and Seal of Professional Surveyor:	
					Certificate Number	

Rate/Time Graph

Project: M:\IHS Energy\ptproj\Lakeshore 10-1.mdb

Date: 8/8/2000
Time: 10:36 AM

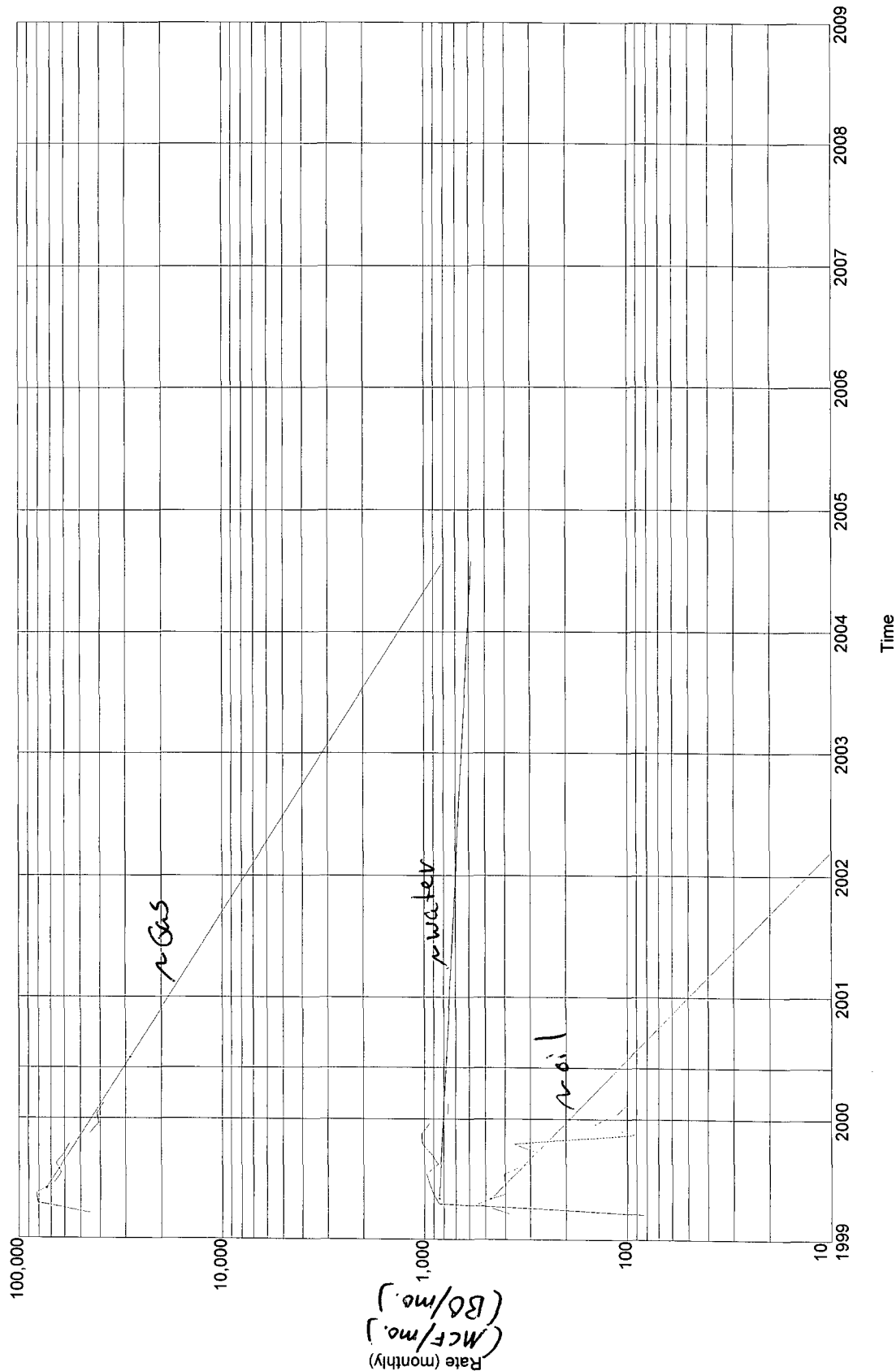
Lease Name:
County, ST:
Location:

LAKE SHORE 10 FEDERAL COM (2)
EDDY, NM
21S-26E-10

Field Name:
Operator:

AVALON MORROW
BONNEVILLE FUELS CORPORATION

LAKE SHORE 10 FEDERAL COM - AVALON MORROW



Rate/Time Graph

Project: M:\HS Energy\ptproj\Lakeshore 10-1.mdb

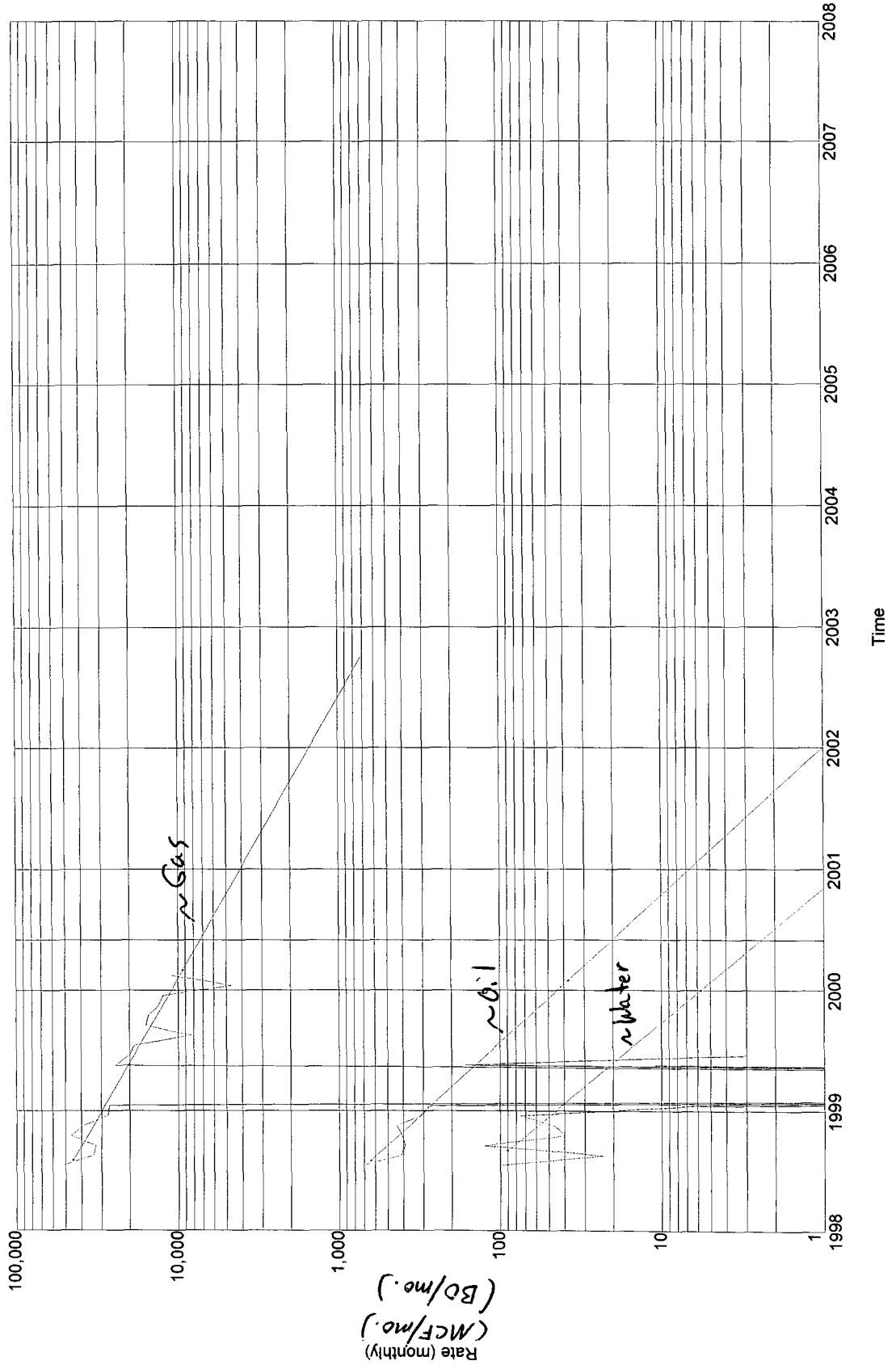
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Time: 10:31 AM

Lease Name: (Lake Shore Fed. COM 10 (STRAWN) (2)
County, ST: EDDY, NM
Location: 21S-26E-10

Field Name: BURTON FLAT WEST
Operator: BONNEVILLE FUELS CORPORATION

II. West Burton Flat Strawn Production Forecast

(Lake Shore Fed. COM 10 (STRAWN) - BURTON FLAT WEST



Avalon Upper Penn Production Forecast

II. Avalon Upper Penn Production Forecast

Rate/Time Graph

Date: 8/8/2000
Time: 1:02 PM

Project: M:\IHS Energy\ptproj\Lakeshore 10-1.mdb

Avalon
Bonneville Fuels

Field Name:
Operator:

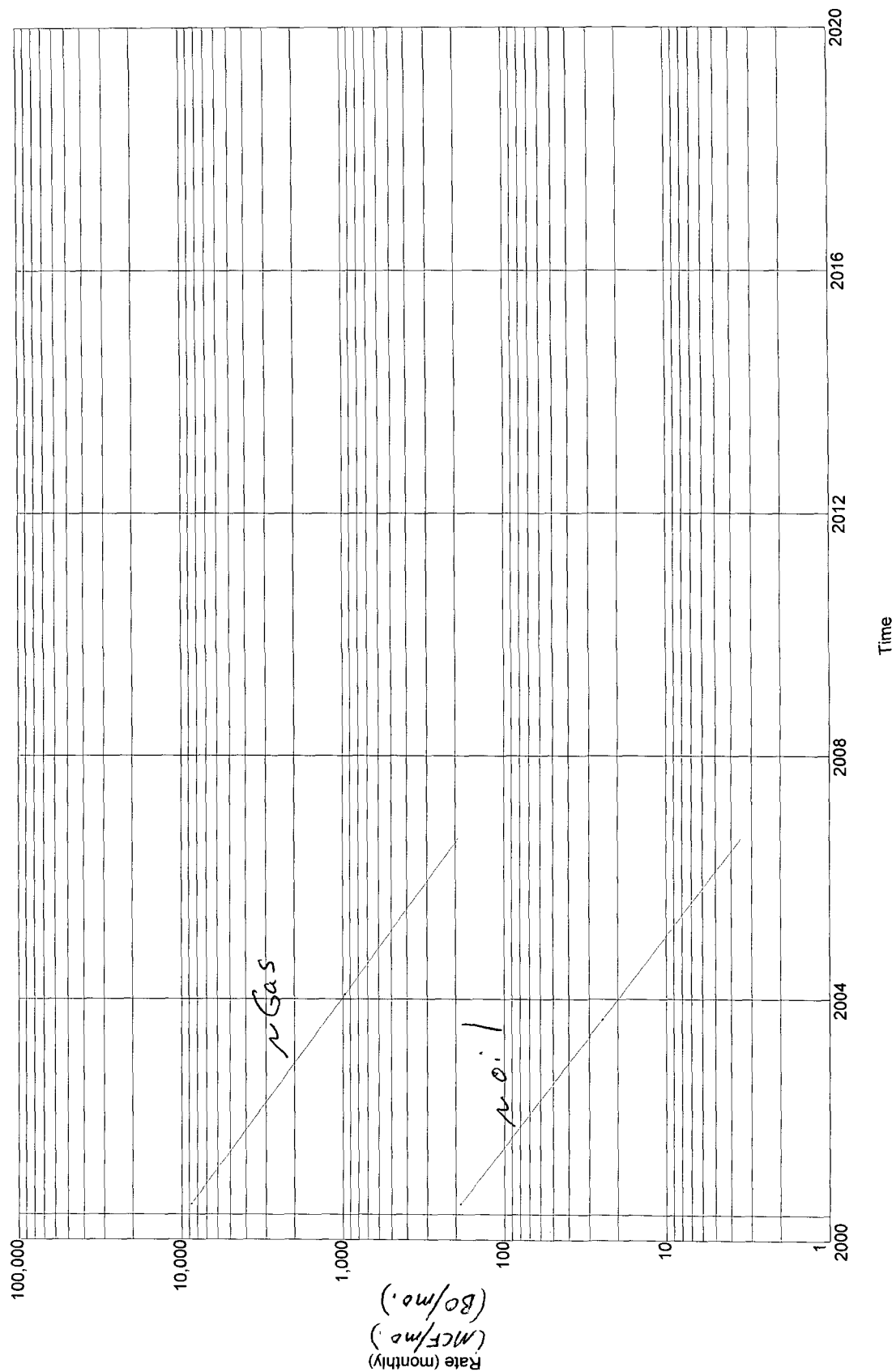
Lake Shore Fed. 10 COM (Cisco/Cnyn) (2)

Eddy, NM

0-0-0

Lease Name:
County, ST:
Location:

Lake Shore Fed. 10 COM (Cisco/Cnyn) - Avalon



Allocation Method

08/07/00

Avalon Upper Penn/West Burton Flat Strawn/Avalon Morrow Commingle
Lake Shore Federal Com. #10-2
1750' FSL 660' FEL Sec. 10-T21S-R26E
Eddy Co., New Mexico

The allocation formula will be a fixed percentage allocation based on the current production rates of each commingled zone as of August 2000.

The gas production allocation for the Lake Shore Fed. #10-2 will be based on the following information:

<u>Pool</u>	<u>Production Rate</u>
Avalon Upper Penn	289 MCFD
West Burton Flat Strawn	177 MCFD
<u>Avalon Morrow</u>	<u>966 MCFD</u>
Total Daily Production	1432 MCFD

Production forecasts for the above zones are attached.

Gas Allocation

The gas allocation for the zones will be calculated by dividing the current daily gas production for each zone by the total daily gas production for the well.

Avalon Upper Penn Gas Allocation

$$289 \text{ MCFD} / 1432 \text{ MCFD} \times 100 = 20.2\%$$

West Burton Flat Strawn Gas Allocation

$$177 \text{ MCFD} / 1432 \text{ MCFD} \times 100 = 12.4\%$$

Avalon Morrow Gas Allocation

$$966 \text{ MCFD} / 1432 \text{ MCFD} \times 100 = 67.4 \%$$

Oil Allocation

Oil production will be allocated according to the same formula based on current oil production rates.

<u>Pool</u>	<u>Production Rate</u>
Avalon Upper Penn	7 BOPD
West Burton Flat Strawn	0 BOPD
<u>Avalon Morrow</u>	<u>2 BOPD</u>
Total Daily Production	9 BOPD

Avalon Upper Penn Oil Allocation

$$7 \text{ BOPD} / 9 \text{ BOPD} \times 100 = 77.7\%$$

Lake Shore Federal Com #10-2 Production Allocation Method Cont'd

West Burton Flat Oil Allocation

$$0 \text{ BOPD} / 9 \text{ BOPD} \times 100 = 0.0\%$$

Avalon Morrow Oil Allocation

$$2 \text{ BOPD} / 9 \text{ BOPD} \times 100 = 22.3\%$$



HALLIBURTON

INSTALLATION DIAGRAM

COMPANY BONNIVILLE FUELS		WELL NAME LAKE SHORE FED 10		TICKET NO. 2	DATE 706,997	6/21/00
BLOCK AVALON field		COUNTY/PARISH EDDY		STAGE 1	STATE NM	
FLUID WT. 10# brine	CASING SIZE & WT. 5 1/2" 20#	GUN SIZE 12,000# Comp.	SPF/PHASING	TEMP.	PBTD 10840	
PERFORATION INTERVAL 9331-9546		42,000 Hang WT.		OPERATOR T. GOMEZ KEVIN WARREN		

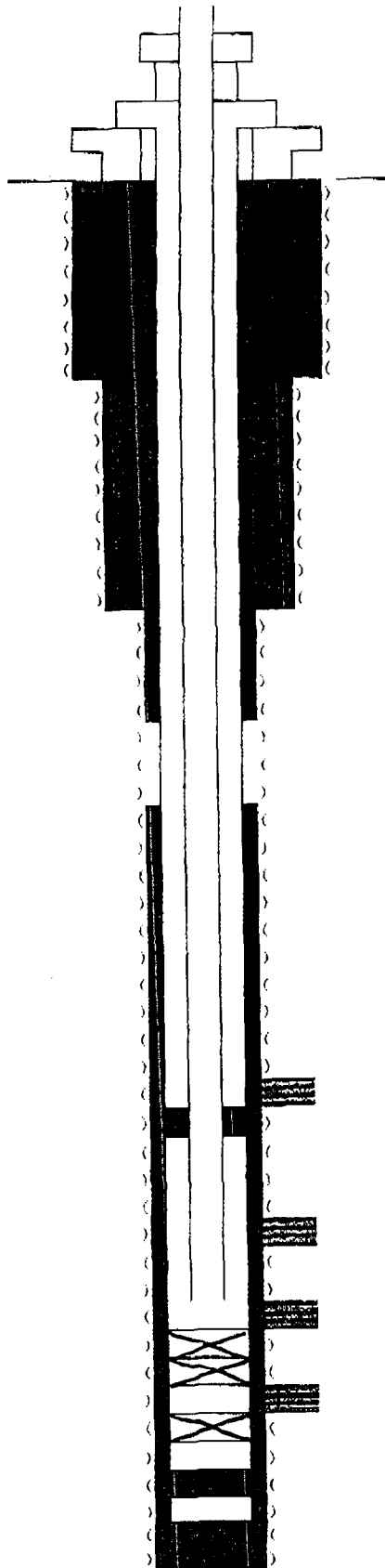
ITEM	DESCRIPTION	O.D.	I.D.	LENGTH	DEPTH
1	KB			18.0	
2	1 JT 2 7/8 6.5 N80	3.68	2.44	31.50	49.50
3	2 1 6' 2 7/8 N80 sus	3.68	2.44	6.15	55.65
4	3 2 7/8 6.5 N80 Tbg 300 ITS	3.68	2.44	949.21	
5	4 2 7/8 SENT Nipple w/ 2.38 ID	2.815	2.25	1.10	954.89
6	5 1 JT 2 7/8 6.5 N80 Tbg	3.68	2.44	29.81	955.99
7	6 2 7/8 X 2.25 GL Sliding Sleeve w/ 2.25 GL Profile	3.68	2.25	2.85	958.80
8	7 1 JT 2 7/8 6.5 N80 Tbg	3.68	2.44	31.60	958.65
9	8 5 1/2 X 2 7/8" TYPE "XL" ON/OFF TOOL W/ 1.875" F" PROFILE	4.375	1.875	2.18	9620.25
10	9 5 1/2 X 2 7/8 17.20# TYPE "UNIT II" 10-K DOUBLE GRIP PKR	4.625	2.375	7.18	9627.43
11	10 2 7/8" BOX X 2 3/8" PIN CROSSOVER PART # D.63410	3.668	1.938	.35	9627.78
12	11 37 ITS 2 3/8" EUE 8RD 10-80 TRG.	2.375	1.995	1,171.70	10,799.48
13	12 2 3/8" BOX X PIN 1.875" R" NIPPLE w/ 1.822 NO-GO	3.063	1.822	.86	10,800.34
14	13 2 3/8" WIRELINE RE-ENTRY GUIDE	3.063	2.348	.41	10,800.75
15	STRAWN PERFS - 9724' - 9952'				
16	MORROW PERFS - 10,943' - 10,822'				
17	BIRAND X CUP C - 10,840'				

RA TO TOP SHOT _____ FT.

GUNS ARE POSITIONED ON DEPTH

CUSTOMER REPRESENTATIVE ALAN MERRIL

PROPOSED WELLBORE CONFIGURATION



Operator: Bonneville Fuels
 Lease Name: Lakeshore Federal Com #10-2
 API Number: 30-045-28486
 Location: 1750' FSL 660' FEL Sec. 10, T21S, R26E
 County/ST: Eddy, NM
 Date: 4/26/00 Gr Elev - Gr/KB: 3180' - 18'

Spud Date: 1/21/98
 Surface Pipe Size/Depth: 13 3/8" @ 471'
 Surface Cement:
 1050 sx

Intermediate TOC: surface
 Production TOC: surface/4990'

Bradenhead Sque
 Btm. Of Cmt 4430'

Int. Pipe Size/Depth: 8 5/8"-32# @ 2276'

Intermediate Cement:
 1200 sx

Perforated Interval
 ↓

Production Cement:
 1st Stage: 585 sx Halliburton Super H
 2nd Stage: 550 sx Super C, 280 sx Interfill H,
 350 sx 50/50 Poz
 DV Tool @ 7700'

9336'-9546' OA
 Packer @ 9650'

9725'-9952' OA

10743'-10848' OA
 CIBP @ 10,900'
 CIBP @ 10,910'
 10924'-10942' OA
 CIBP @ 10,980'

Tubing Size / Landed: 2 3/8" 4.7# J-55 tubing tailpipe,
 packer, sliding sleeve, 2 7/8"
 6.5# N-80 tubing. EOT @ 10800'

Productive Formation(s): Cisco, Cnyn, Strwn, Mrrw

Casing Size / Depth: 5 1/2"- 17.0#/11334'

Total Depth / PBTD: 11348'/10910'

TD Date: 2/21/98