

DISTRICT I
P.O.Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O.Box 1980, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O.Box 2088

Santa Fe, New Mexico 87504-2088

Form C-107
Revised 4-1-91

Filing Instructions
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APPLICATION FOR MULTIPLE COMPLETION

NORTHWEST PIPELINE CORPORATION P.O. BOX 58900 SALT LAKE CITY, UTAH 84158-0900

Operator	Address	County
ROSA UNIT	#138A	SAN JUAN
Lease	Well No.	Unit Ltr. — Sec — Twp — Rge

All applicants for multiple completion must complete Items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Immediate Zone	Lower Zone
a. Name of Pool and Formation	WC ROSA PICTURED CLIFFS		BLANCO MESAVERDE
b. Top and Bottom of Pay Section (Perforations)	3196' - 3288'		5375' - 5906'
c. Type of Production (Oil or Gas)	GAS		GAS
d. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
e. Daily Production ☐ Actual ☒ Estimated Oil Bbls. Gas MCF Water Bbls.	PITOT 615 MCF/D		PITOT 3,042 MCF/D

2. The following must be attached:

- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

OPERATOR:

I hereby certify above information is true and complete to best of my knowledge, and belief.

Signature

Printed Name & Title **MARK MCCALLISTER SR. ENGINEER**

Date **11/14/94** Telephone **(801)584-7103**

OIL CONSERVATION DIVISION

Approved by: Original Signed by **FRANK T. CHAVEZ**
Title: **SUPERVISOR DISTRICT # 3**

Date: **NOV 15 1994**

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

FILING INSTRUCTIONS:

- District Approval — See rule 112-A-B — Submit 4 copies of Form C-107 with attachments to appropriate district office.
- Division Director Administrative Approval — See Rule 112-C — Submit 2 copies of Form C-107 with attachments to Division office in Santa Fe and 2 copies of Form C-107 with attachments to appropriate district office.
- Multiple completions not qualifying for District or Division Director approval may be set for hearing as outlined in Rule 112-A-E.

WELLBORE DIAGRAM

ROSA UNIT #138A PC/MV

LOCATION: 1819' FNL, 1188' FEL
SE/4 NE/4 SEC. 17, T31N, R6W
SAN JUAN, Co., NM
ELEVATION: 6367' GR
KB: 12'

TOPS:

NACIMIENTO	N/A
OJO ALAMO	2363'
KIRTLAND	2456'
FRUITLAND	2900'
PICTURED CLIFFS	3195'
LEWIS	3514'
CLIFF HOUSE	5306'
MENEFEE	5401'
POINT LOOKOUT	5662'
MANCOS	5940'

Stimulation

MV - 5658' to 5906'

85,300# of 20/40 sand in 83,790 gals of slick water.

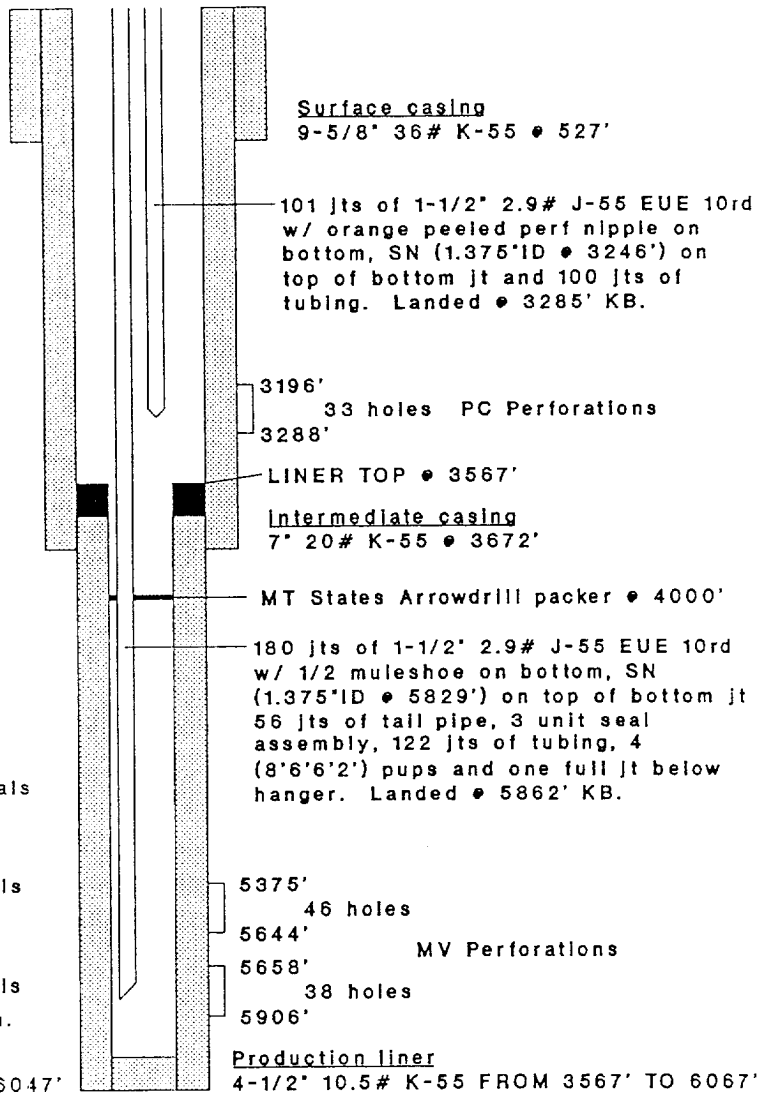
MV - 5375' to 5644'

90,100# of 20/40 sand in 94,416 gals of slick water.

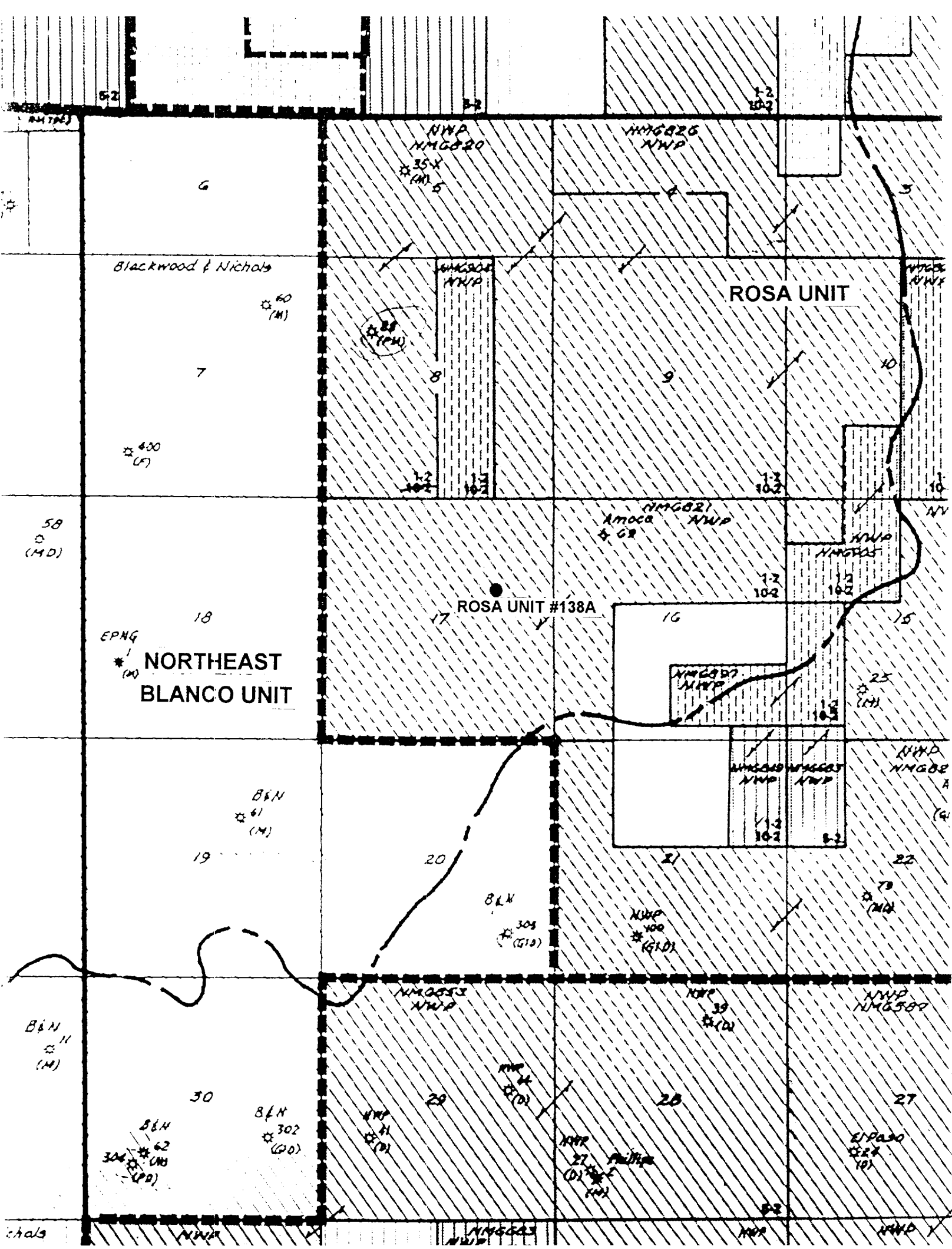
PC - 3196' to 3288'

77,000# of 20/40 sand in 10,164 gals of 30# X-Link gel in a 70 qual foam.

PBTD • 6047'



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
12-1/4"	9-5/8" 36#	265 SX	315 CU.FT.	SURFACE
8-3/4"	7" 20#	580 SX	1107 CU.FT.	621' (SURV)
6-1/4"	4-1/2" 10.5#	245 SX	424 CU.FT.	LINER TOP



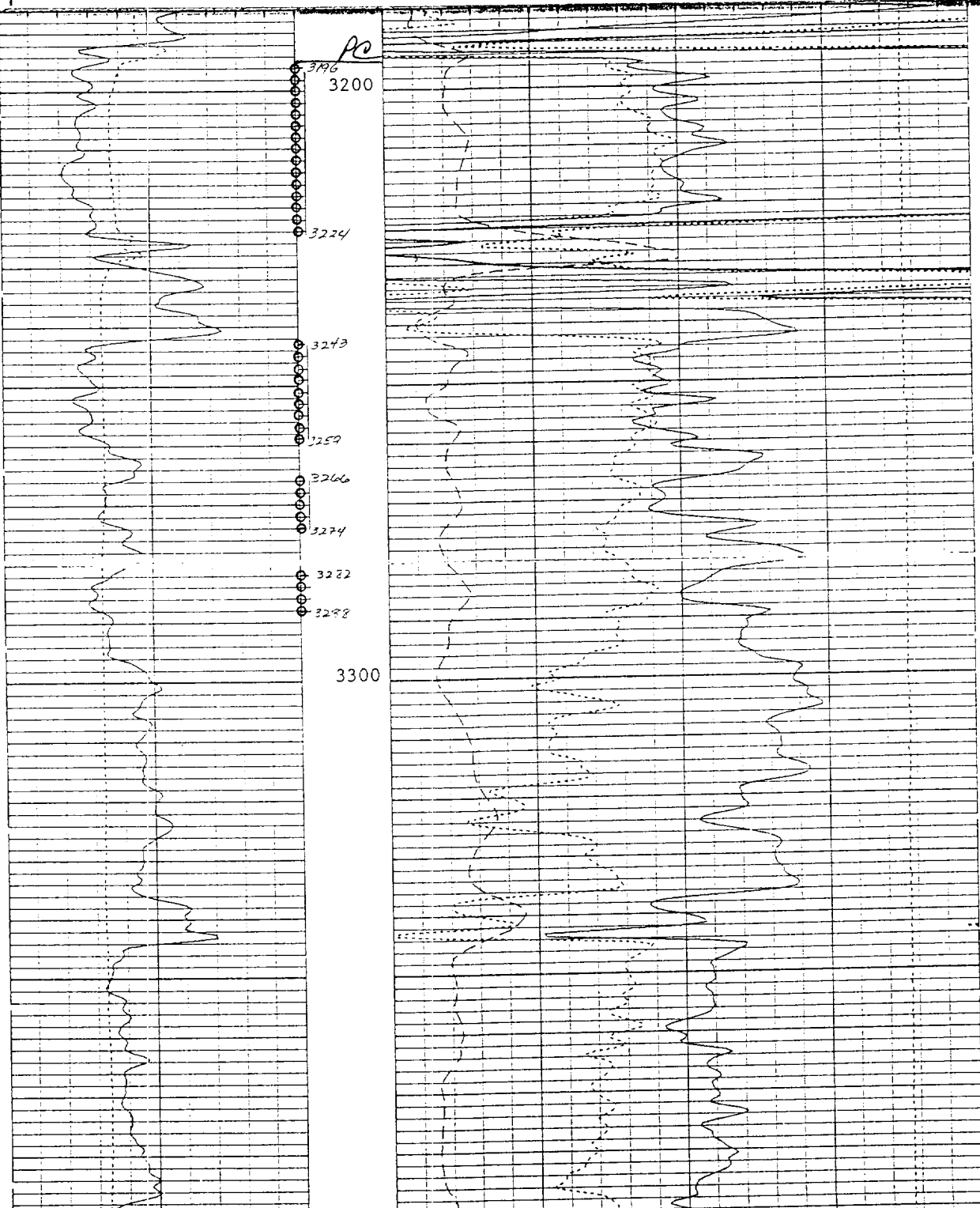
**OFFSET OPERATORS
ROSA UNIT #138A
H-17-31N-6W**

1. LEASE: ROSA UNIT

Operator: Northwest Pipeline Corp, MS-2M3, P.O. Box 58900, Salt Lake City, UT, 84158-0900

2. LEASE: NORTHEAST BLANCO UNIT

Operator: Blackwood and Nichols, P.O. Box 1237, Durango, CO, 81302



SIMULTANEOUS COMPENSATED NEUTRON- FORMATION DENSITY

MPANY Northwest Pipeline Corporation

LL Rosa Unit No. 138A

LD Wildcat: Rosa PC/Blanco MV

UNTY San Juan STATE New Mexico

819FNL & 1188FEL

Other Services:
DIL/LDT
CNL/GH

SERIAL NO. SECT. TWP. RANGE
17 31N 6W

Ground Level Elev. 6367.0 F
Kelly Bushing 120 F above Perm. Datum
Kelly Bushing Elev.: K.B.6379.0 F
D.F.6378.0 F
G.L.6367.0 F

04-AUG-1994

Two

6065.0 F

6062.0 F

6028.0 F

4800.0 F

9.625 IN @ 527.0 F

526.0 F 3670.0 F

8.75 IN @ 3660.0 F 6.25 IN @ 6065.0 F

AIR

03-AUG-1994 @ 19.45

04-AUG-1994 @ 00.49

135 DEGF

8199 Farmington

E. Giles

J. Bircher

The well name, location and borehole reference data were furnished by the customer.

