

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107
Revised 4-1-91

DISTRICT II
P.O.Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
P.O.Box 2088

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

Santa Fe, New Mexico 87504-2088

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		
ROSA UNIT	#137	L 31 31 05	RIO ARRIBA
Lease	Well No.	Unit Ltr. — Sec — Twp — Rge	County

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	PICTURED CLIFFS		MESAVERDE
b. Top and Bottom of Pay Section (Perforations)	3360' - 3448'		5516' - 5998'
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.	IP TEST 1,650 MCF/D		IP TEST 2317 MCF/D

RECEIVED
AUG 22 1994
OIL CON. DIV.
DIST. 3

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

Kathy Barney

Printed Name & Title **KATHY BARNEY SR. OFFICE ASSISTANT**

Date **08/17/94**

Telephone **(801)584-6981**

OIL CONSERVATION DIVISION

Approved by: **ORIGINAL SIGNED BY ERNIE BUSCH**

Title: **DEPUTY OIL & GAS INSPECTOR, DIST. #3**

Date:

AUG 22 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 #137 PC/MV

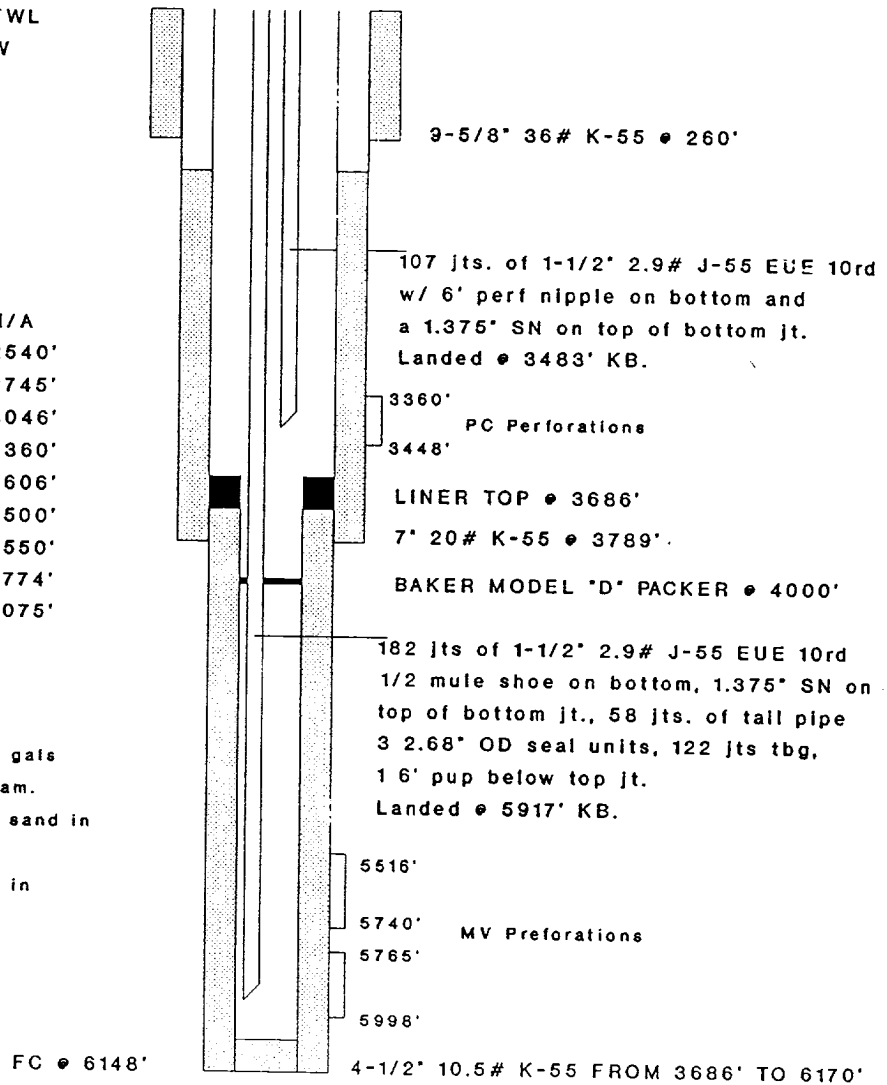
LOCATION: 1321'FSL, 820'FWL
LOT 3, SEC. 31, T31N, R5W
RIO ARRIBA, Co., NM
ELEVATION: 6548' GR
KB: 12'

TOPS:

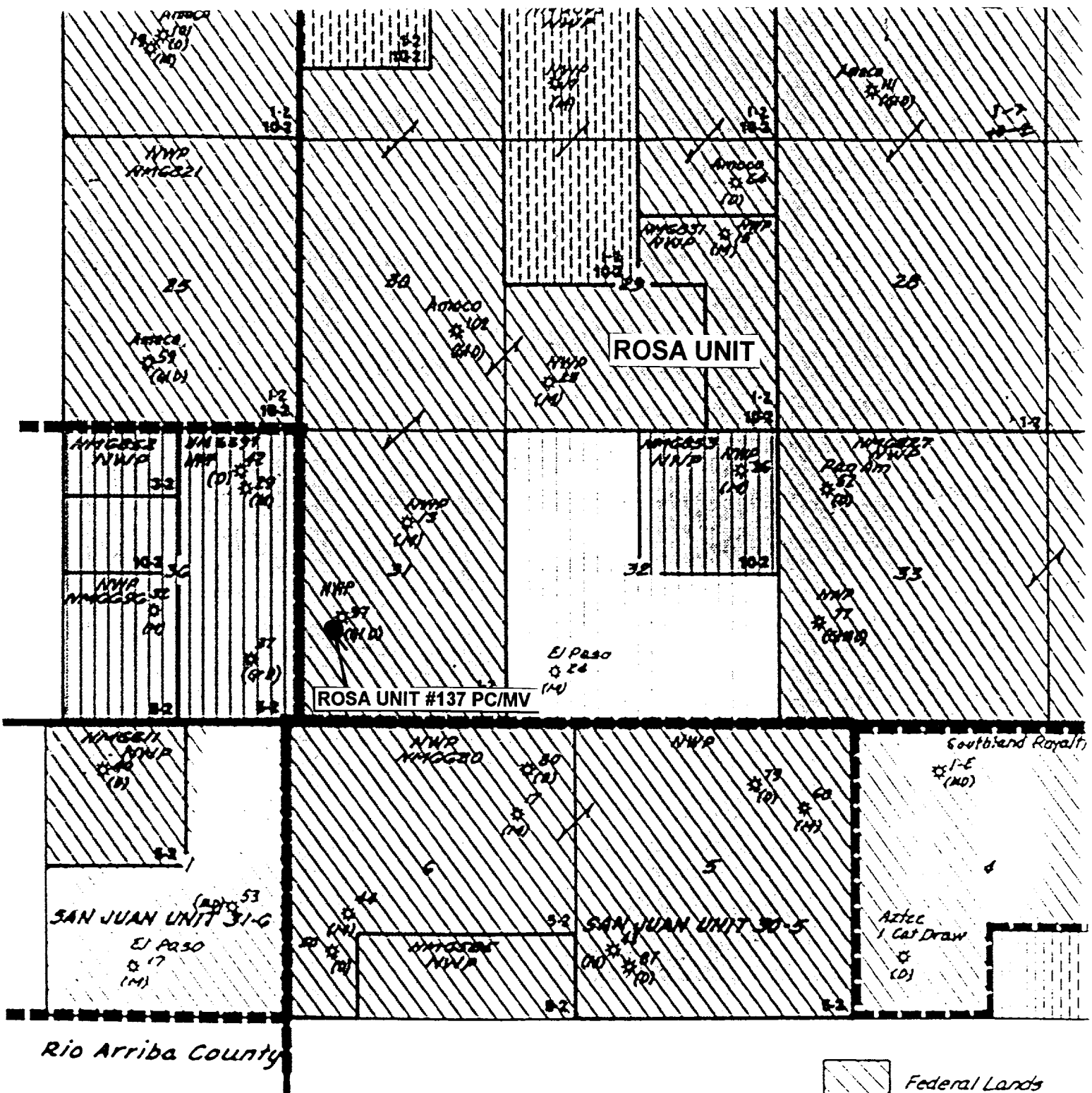
NACIMIENTO	N/A
OJO ALAMO	2540'
KIRTLAND	2745'
FRUITLAND	3046'
PICTURED CLIFFS	3360'
LEWIS	3606'
CLIFF HOUSE	5500'
MENEFEE	5550'
POINT LOOKOUT	5774'
MANCOS	6075'

STIMULATION:

PC: 100,000# 20/40, 14,742 gals
X-link gel and 70 quality foam.
MV: Stg 1 - 120,000# 20/40 sand in
82,362 gals of slick water.
Stg 2 - 45,800# 20/40 sand in
36,183 gals of slick water.



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
12-1/4"	9-5/8" 36#	135 SX	161 CU.FT.	SURFACE
8-3/4"	7" 20#	535 SX	1013 CU.FT.	600' (SURV)
6-1/4"	4-1/2" 10.5#	235 SX	407 CU.FT.	LINER TOP



-  Federal Lands
-  State Lands
-  Northwest

**OFFSET OPERATORS
ROSA UNIT #137
K-31-31N-51W**

1. LEASE: ROSA UNIT

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

2. LEASE: SAN JUAN 30-5 UNIT

Operator: Phillips Petroleum Company, P.O. Box 1967, Houston, TX, 77251-1967

3. LEASE: SAN JUAN 31-6 UNIT

Operator: Phillips Petroleum Company, P.O. Box 1967, Houston, TX, 77251-1967

SIMULTANEOUS COMPENSATED NEUTRON- FORMATION DENSITY

SIMULTANEOUS

JUN 15 1967

PRODUCTION ENGINEERING

Wkldat: Rosa PC Blanco MV
 1321FSL & R20FWL
 Rosa Unit No. 137
 Northwest Pipeline Corporation

FIELD	LOCATION	WELL	COMPANY
1	2	3	4

Permanent Datum	Ground Level	Elev.	6548.0 F	Elev.: 6548.0 F
Log Measured From	Kelly Bushing	12.0 F	above Perm. Datum	D.F.: 6539.0 F
Drilling Measured From	Kelly Bushing			G.L.: 6548.0 F

Date	09-JUN-1994
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Run No. _____

Depth Driller	3800.0 F
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Depth Logger (Schl.)	3788.0 F
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13m. Log Interval	3785.0 F
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Top Log Interval	2600.0 F
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Casing-Driller	9.625 IN
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Massing-Logger	260.0 F
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Bit Size	8.75 IN
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Type Fluid in Hole	LSND

Visc.	9.30 LB/
Dens.	

Id.	Fid. Loss	TANK
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Source of Sample	IAWK
49500	

1m @ Meas. 1 emp.	4,8500
2.0000	2,0500

1st @ Meas. Temp.	3.9200
2nd @ Meas. Temp.	6.3000

Time @ Meas. Temp.	0.200 C
Time @ Meas. Temp.	0.200 C

Source: RMI	RMI	36890
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IM @ BHI	0.0000
Circulation Ended	08.11.19

Circulation entered	00-0000
Entered as Bottom	00-1111

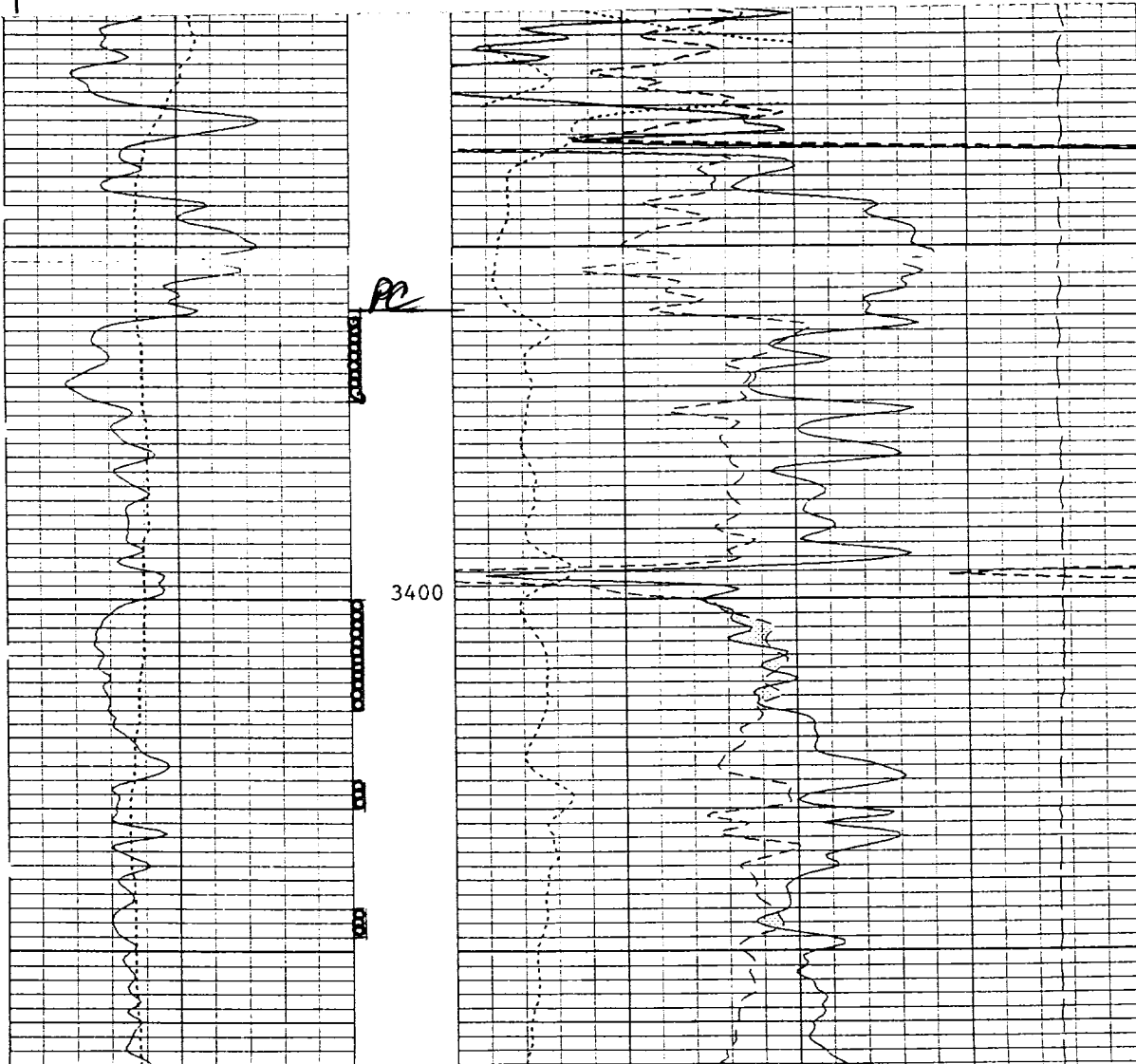
Logger Oil Bank	2000
110 DE	

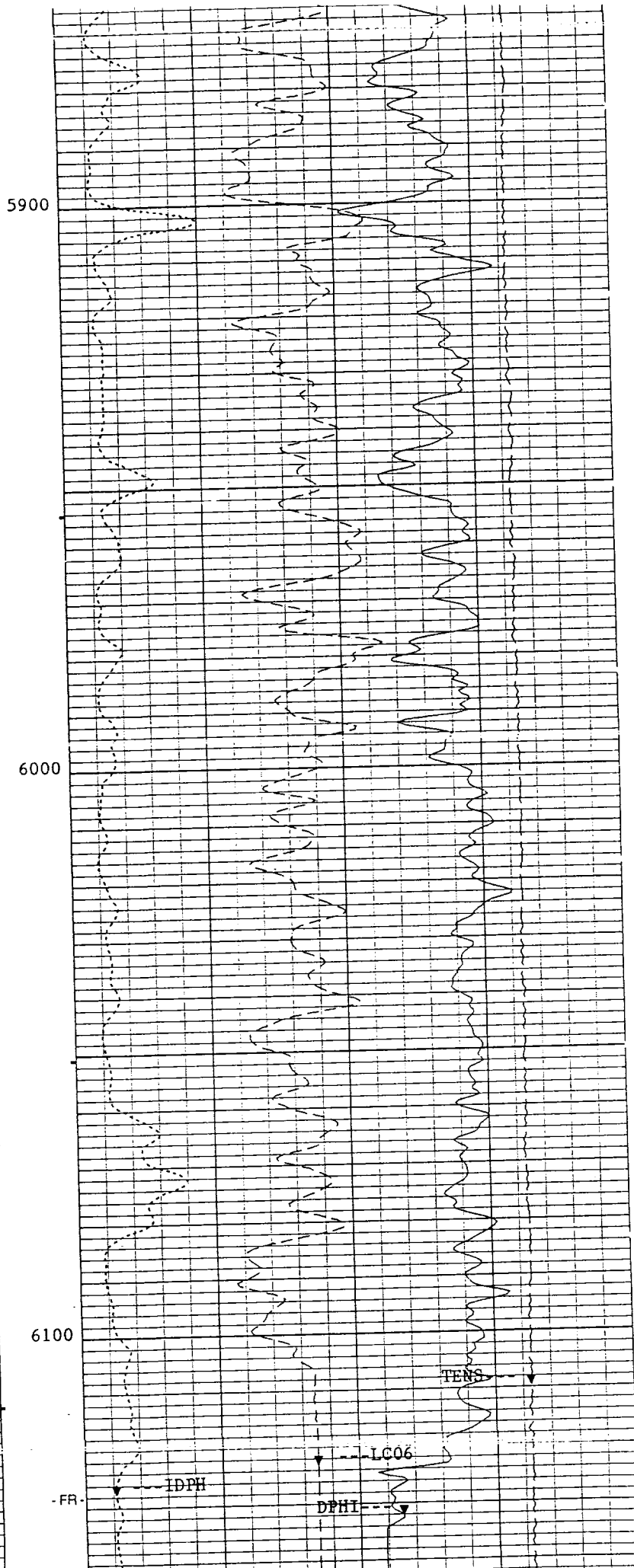
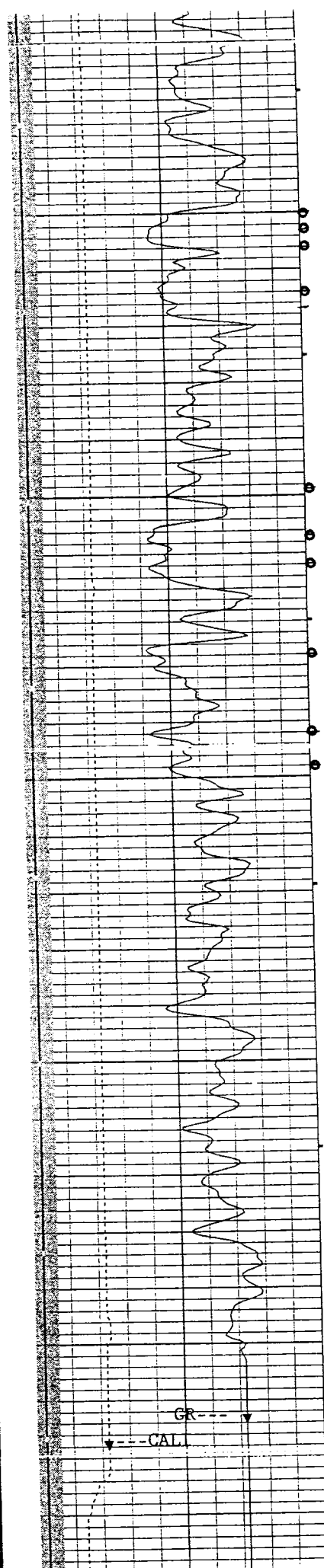
max. rec. temp.	110.2
location	8199

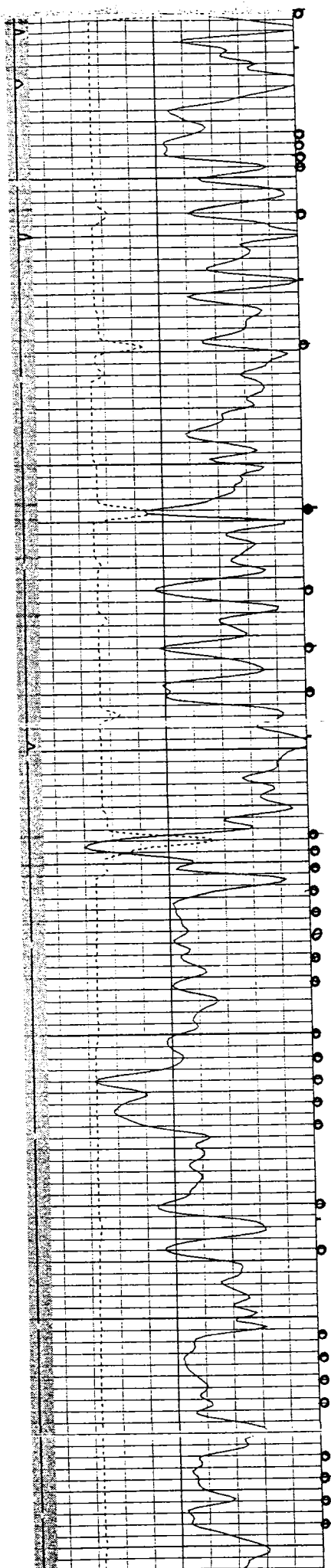
Recorded By	E Gilles
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Witnessed By	J. Birch
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The well name, location and borehole reference data were furnished by the customer.







5700

5800

