

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

DISTRICT II
P.O.Box 22, 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					
ROSA UNIT	#5A	P	26	31	06	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)	3250' - 3344'		5433' - 5965'
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 3,095 MCF/D	RECEIVED AUG 16 1994 OIL CON. DIV.	IP TEST 2578 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 Kathy Barney
Printed Name & Title KATHY BARNEY SR. OFFICE ASSISTANT
Date 08/08/94 Telephone (801)584-6981

OIL CONSERVATION DIVISION

Approved by [Signature]
Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3
Date: AUG 16 1994

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard perforation 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 #5A PC/MV

LOCATION: 845'FSL, 1131'FEL
SE/4 SE/4 SEC. 26, T31N, R6W
RIO ARRIBA, Co., NM
ELEVATION: 6425' GR
KB: 12'

TOPS:
NACIMIENTO N/A
OJO ALAMO 2482'
KIRTLAND 2600'
FRUITLAND 3032'
PICTURED CLIFFS 3246'
LEWIS 3640'
CLIFF HOUSE 5431'
MENEFEE 5466'
POINT LOOKOUT 5650'
MANCOS 5907'

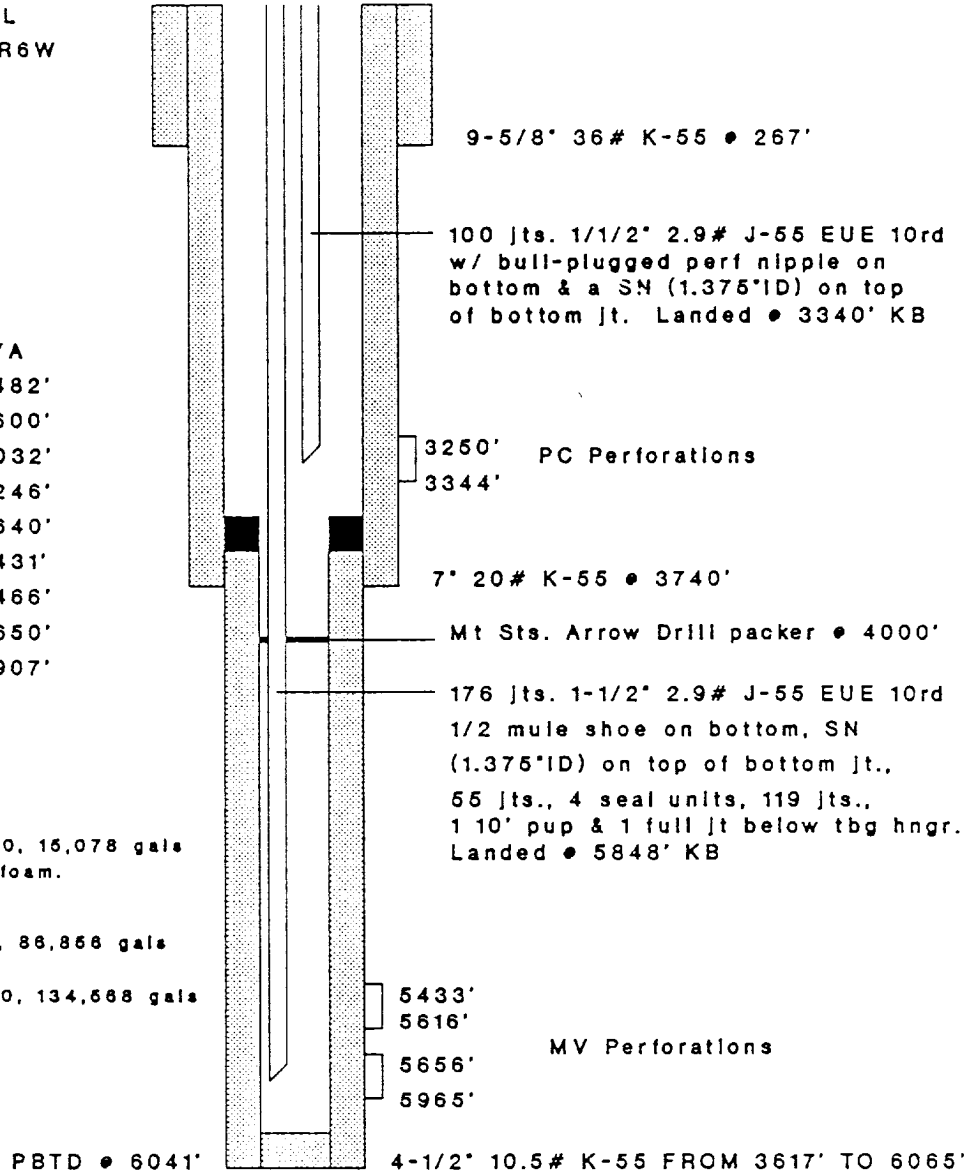
STIMULATION:

Pictured Cliffs

3250'- 3344': 123,800# 20/40, 15,078 gals
30# X-Link gel in a 70 qual foam.

Mesa Verde

5433'- 5616': 81,400# 20/40, 86,856 gals
of slick water.
5656'- 5965': 136,000# 20/40, 134,668 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#	525 SX	992 CU.FT.	600' (SURV)
6-1/4"	4-1/2" 10.5#	230 SX	398 CU.FT.	LINER TOP

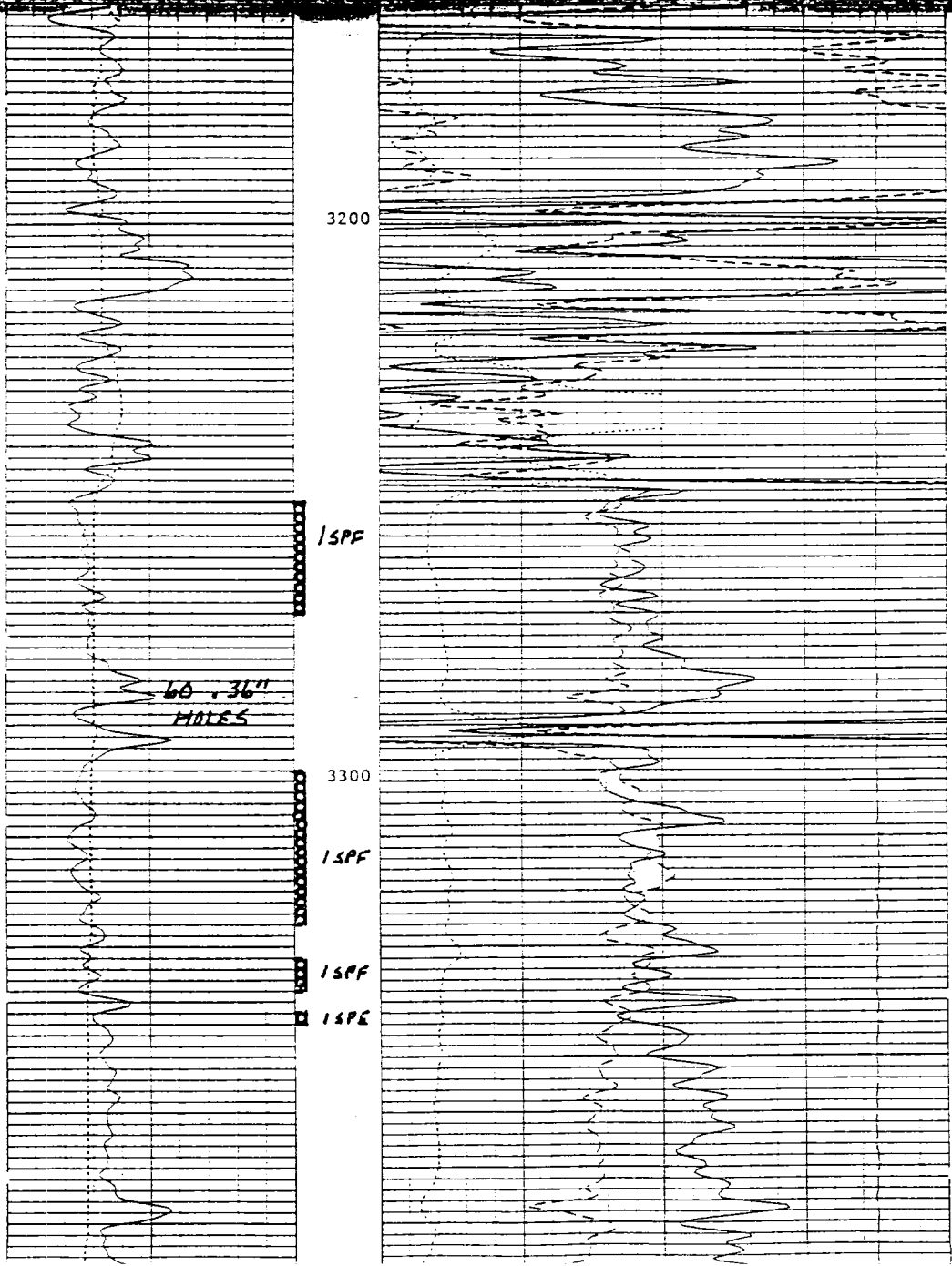
2" & 5"
Simberger
SIMULTANEOUS
COMPENSATED NEUTRON
FORMATION DENSITY
FINAL COMPOSITE

Well: ROSA UNIT # 5A
 Company: NORTHWEST PIPELINE CORPORATION

Company: NORTHWEST PIPELINE CORPORATION
 Well: ROSA UNIT # 5A
 Field: WILL DCAT ROSA HC/IL ANCO MV
 County: RIO ALHAMA
 State: NEW MEXICO

Operator: RAS SFL & HSA FFL
 Operator: DIE 2 & 5

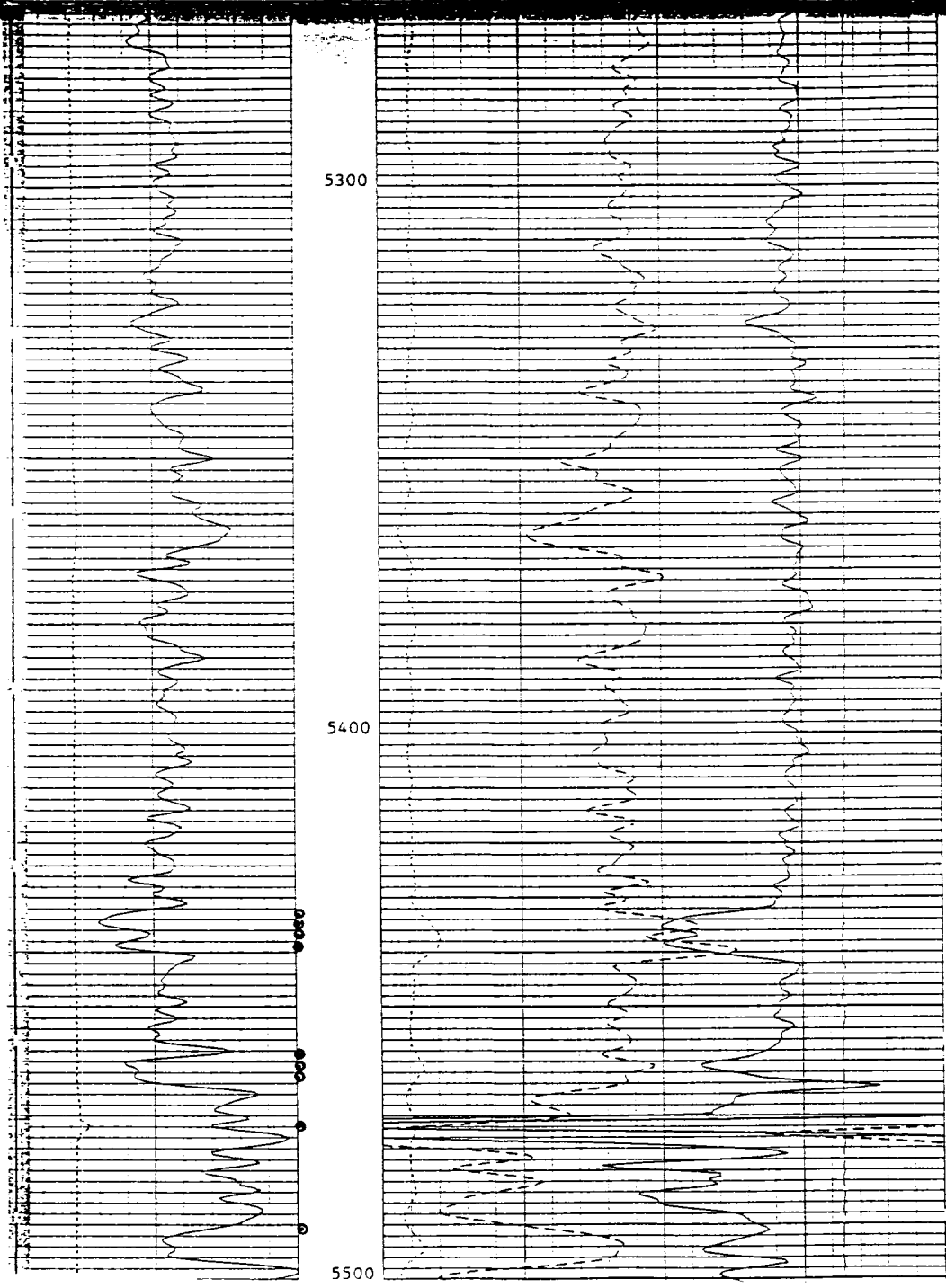
Depth	Core	Formation	Depth	Core	Formation
ft	ft	ft	ft	ft	ft
17 JUN 1994	1	17 JUN 1994	2	17 JUN 1994	2
3740	3740	6065	6065	6065	6065
3737	3737	6068	6068	6068	6068
3703	3703	6034	6034	6034	6034
2500	2500	4700	4700	4700	4700
9 625 67 7065	9 625 67 7065	770 67 3740	770 67 3740	770 67 3740	770 67 3740
296	296	3736	3736	3736	3736
8 75 67 3740	8 75 67 3740	8 75 67 3740	8 75 67 3740	8 75 67 3740	8 75 67 3740
LSND	LSND	AIR	AIR	AIR	AIR
9 30 P4 S	9 30 P4 S	HA	HA	HA	HA
N/A	N/A	HA	HA	HA	HA
1A1K	1A1K	HA	HA	HA	HA
3 67 67 96	3 67 67 96	HA	HA	HA	HA
2 27 67 96	2 27 67 96	HA	HA	HA	HA
5 51 67 96	5 51 67 96	HA	HA	HA	HA
CALC/CALC	CALC/CALC	HA	HA	HA	HA
2 926 67 120	2 926 67 120	HA	HA	HA	HA
16 JUN 1994 17 19	16 JUN 1994 17 19	19 JUN 1994 14 30	19 JUN 1994 14 30	19 JUN 1994 14 30	19 JUN 1994 14 30
17 JUN 1994 03 00	17 JUN 1994 03 00	19 JUN 1994 20 11	19 JUN 1994 20 11	19 JUN 1994 20 11	19 JUN 1994 20 11
120	120	130	130	130	130
8189 FARMINGTON	8189 FARMINGTON	8199 FARMINGTON	8199 FARMINGTON	8199 FARMINGTON	8199 FARMINGTON
F CHES	F CHES	E CHES	E CHES	E CHES	E CHES
J BIRCHER	J BIRCHER	J BIRCHER	J BIRCHER	J BIRCHER	J BIRCHER

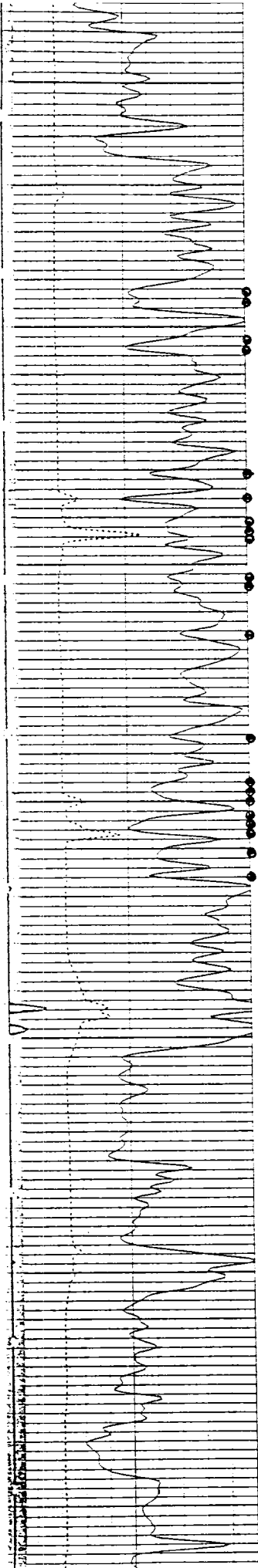


2" & 5"
Simberger
SIMULTANEOUS
COMPENSATED NEUTRON
FORMATION DENSITY
FINAL COMPOSITE

Well: ROSA UNIT # 5A
 Company: NORTHWEST PIPELINE CORPORATION
 Company: NORTHWEST PIPELINE CORPORATION
 Well: ROSA UNIT # 5A
 Field: WILDCAT, ROSA PC/BLANCO MW
 County: HIO ARIZONA
 State: NEW MEXICO
 Location: B45 SFL & 1131 FEL
 Other Services: DATE 27 A.S.

Run of From Used From	GL RMB RMB	Elevation 6425 6437 6436 6425	RT Above Perm Datum	Elevations: MB 6437 WB 6436 GL 6425
17-JUNE-1994	1	19-JUN-1994	2	
3740	3740	6665		
3737	3737	6666		
3703	3703	6634		
2500	2500	4700		
9 625 62 266		7 0 62 3740		
296		3736		
8 75 62 3740		8 75 62 3740		
LGND		ATT		
9 30 64 5		N/A		
N/A		N/A		
1000		N/A		
3 67 62 96		N/A		
2 77 62 96		N/A		
5 51 62 96		N/A		
CALC CALC		N/A		
2 976 62 120		N/A		
16-JUNE-1994 20:00		19-JUN-1994 14:30		
17-JUN-1994 03:00		19-JUN-1994 20:11		
120		170		
81997 ARMINSTON		81997 ARMINSTON		
F CUES		F CUES		
J BURCHER		J BURCHER		

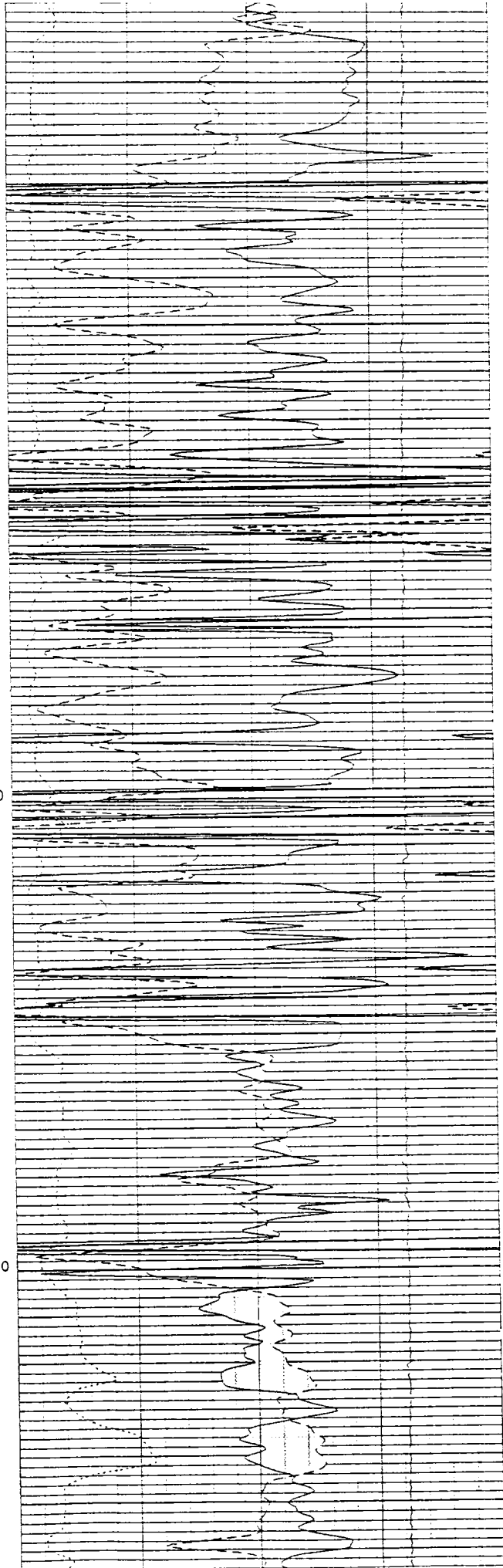


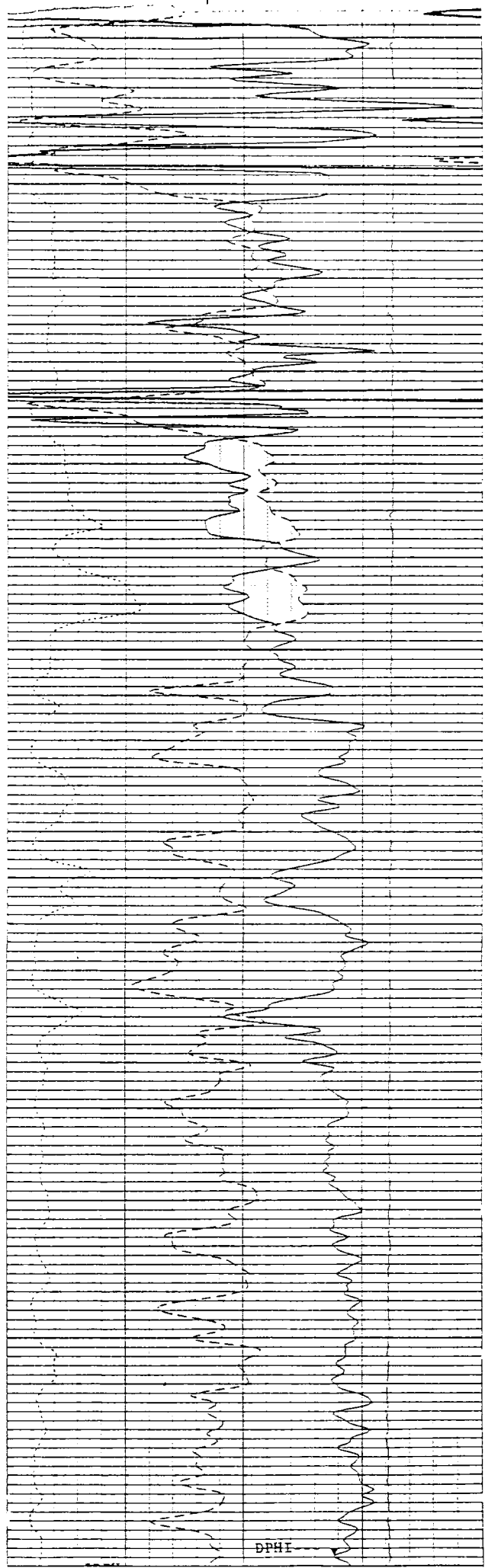
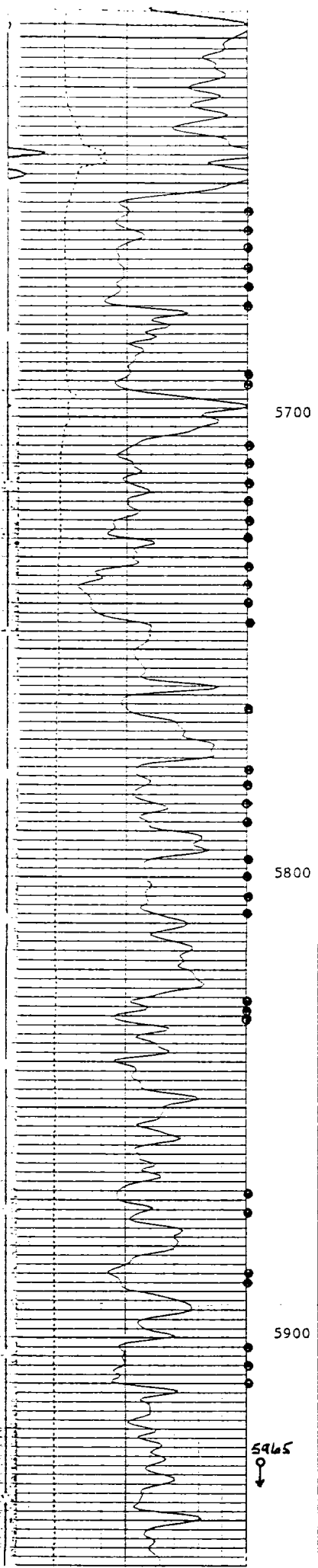


5500

5600

5700





DPHI

**OFFSET OPERATORS
ROSA UNIT #5A
P-26-31N-6W**

1. LEASE: ROSA UNIT

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

2. LEASE: SAN JUAN 31-6 UNIT

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

3. LEASE: SAN JUAN 30-5 UNIT

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

