



PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401
5525 HWY. 64 NBU 3004

July 9, 1997

RECEIVED
JUL 10 1997

OIL CON. DIV.
DIST. 2

State of New Mexico
Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

ATTN: MR. WILLIAM J. LEMAY

**RE: REQUEST FOR ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE
AND UNORTHODOX WELL LOCATION
SAN JUAN 32-7 UNIT #220
SW/4 SECTION 5-T31N-R7W,
SAN JUAN COUNTY, NEW MEXICO
PHILLIPS' G. F. 5464**

Gentlemen:

Phillips Petroleum Company ("Phillips"), as operator of the San Juan 32-7 Unit, requests administrative approval of an unorthodox well location and a directional wellbore project for the San Juan 32-7 Unit #220 well.

Per Division Order No. R-9305, a non-standard gas spacing and proration unit was established covering 321.61 acres (Lot 9 of Section 5; Lots 8, 9, 10, 11, 13, NW/4 SE/4, NE/4 SW/4 Section 6; Tract 53 in Section 5 and 6). The majority of this drillblock underlies Navajo Lake. Due to these severe topographical conditions, neither a vertical well nor an unorthodox surface location is possible. Phillips proposes to drill the well as a directional wellbore with a surface location of 655 feet from the south line and 705 feet from the west line of Section 5, with a bottom hole location of Section 5, with a bottom hole location of 1600 feet from the south line and 150 feet from the west line of Section 5; all in T31N-R7W, San Juan County, New Mexico.

Enclosed are the following:

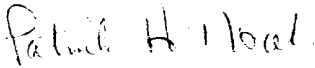
- 1) A nine-section plat which shows the surface location of the #220 well, all offsetting Fruitland wells and the names of offsetting operators
- 2) A vertically oriented and horizontal plan view of the well
- 3) A type log section which identifies the top and bottom of the Fruitland
- 4) A copy of a topographical map of the area; and
- 5) A list of the names and addresses of all offset operators.

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REQUEST FOR ADMINISTRATIVE APPROVAL OF DIRECTIONAL WELLBORE
AND UNORTHODOX WELL LOCATION
SAN JUAN 32-7 UNIT #220
SW/4 SECTION 5-T31N-R7W,
SAN JUAN COUNTY, NEW MEXICO
PHILLIPS' G. F. 5464
JULY 7, 1997
PAGE 2

A copy of this application has been sent by certified mail to all offsetting operators. By copy of this letter all offsetting operators area advised that any objection to this application must be filed in writing with the NMOCD within twenty days of the date that notice is sent.

Very truly yours,

A handwritten signature in cursive script that reads "Patrick H. Noah".

Patrick H. Noah
Senior Land Specialist
San Juan Basin
(505) 599-3410

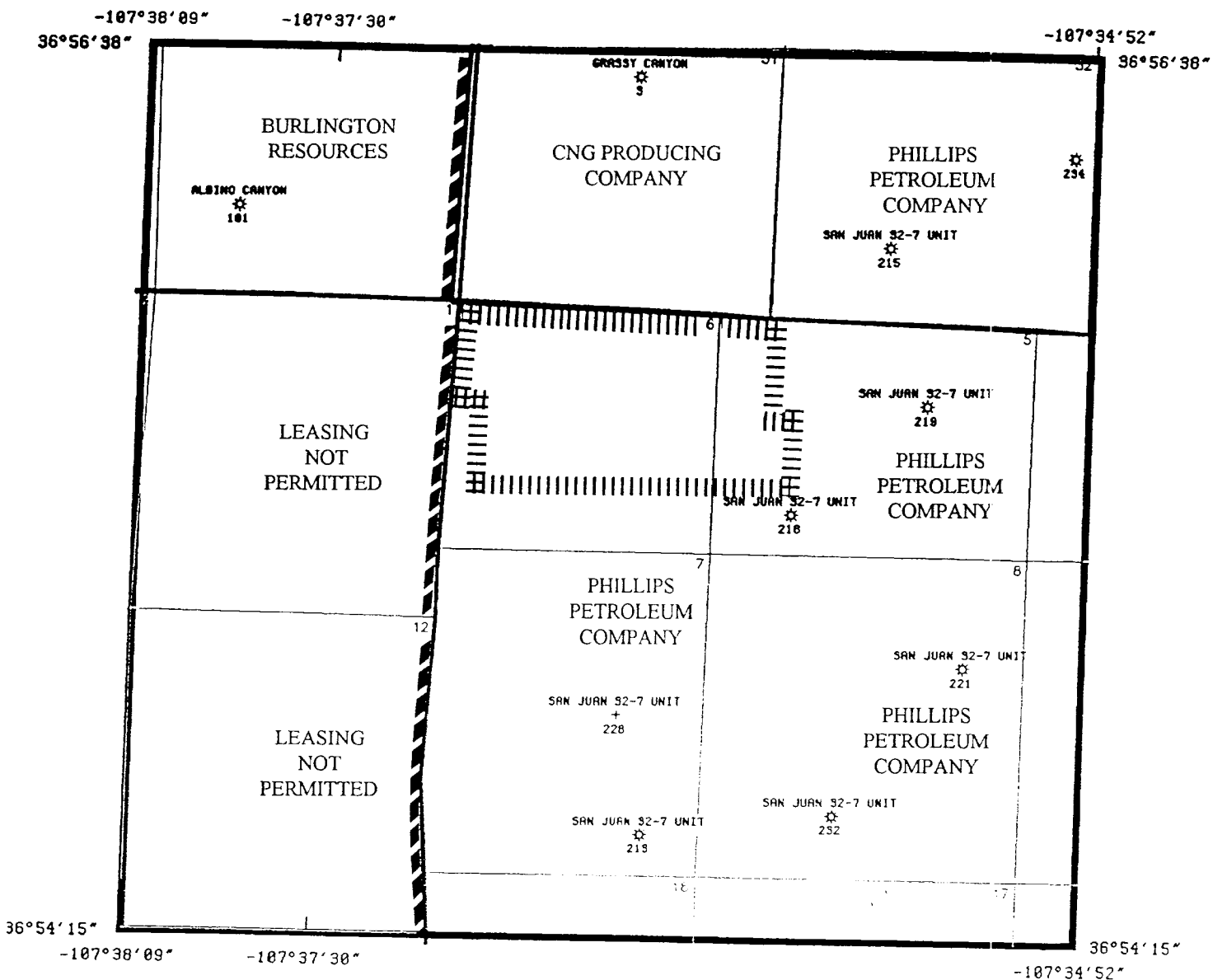
cc: J. L. Mathis (r)G. F. 5464
Ernie Busch - OCD, Aztec
Burlington Resources Oil & Gas Company
CNG Producing Company

San Juan 32-7 Unit #220

List of Offset Operators

- 1) Burlington Resources Oil & Gas Company
P. O. Box 4289
Farmington, NM 87499-4289

- 2) CNG Producing Company
1450 Poydras Street
New Orleans, LA 70012-6000



SAN JUAN 32-7 UNIT NO. 220 SURFACE LOCATION IS 705 FEET FROM THE WEST LINE AND 655 FEET FROM THE SOUTH LINE OF SECTION 5-T31N-R7W AND THE BOTTOM HOLE LOCATION IS INTENDED TO BE 150 FEET FROM THE WEST LINE AND 1600 FEET FROM THE SOUTH LINE OF SECTION 5-T31N-R7W.

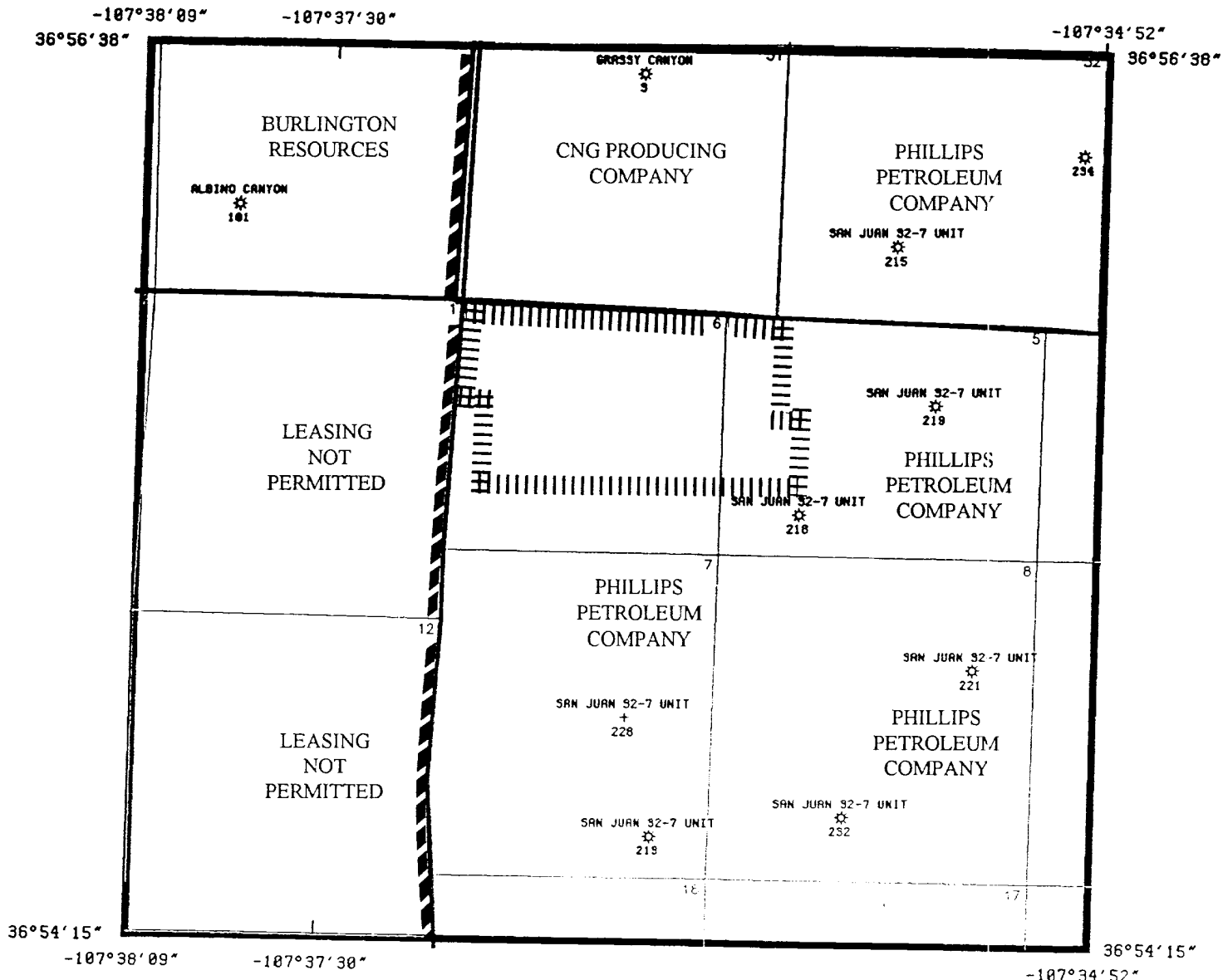


DRILLBLOCK FOR SAN JUAN
32-7 UNIT NO. 220



BOUNDARY FOR SAN JUAN
32-7 UNIT

	Phillips Petroleum Company	
AREA <u>SAN JUAN 32-7 UNIT NO. 220</u>		
NINE-SECTION PLAT OF OFFSETS		
COUNTY <u>SAN JUAN</u>	STATE <u>NEW MEXICO</u>	JOB <u>07410PHN USR00083</u>
SCALE <u>1" = 2511 FEET</u>		0 2511 5022 SCALE (FEET)



SAN JUAN 32-7 UNIT NO. 220 SURFACE LOCATION IS 705 FEET FROM THE WEST LINE AND 655 FEET FROM THE SOUTH LINE OF SECTION 5-T31N-R7W AND THE BOTTOM HOLE LOCATION IS INTENDED TO BE 150 FEET FROM THE WEST LINE AND 1600 FEET FROM THE SOUTH LINE OF SECTION 5-T31N-R7W.

DRILLBLOCK FOR SAN JUAN
32-7 UNIT NO. 220

BOUNDARY FOR SAN JUAN
32-7 UNIT



Phillips Petroleum Company



AREA SAN JUAN 32-7 UNIT NO. 220
NINE-SECTION PLAT OF OFFSETS

COUNTY SAN JUAN STATE NEW MEXICO JOB 07410PHN USR00083

SCALE 1" = 2511 FEET 0 2,511 5,022
SCALE (FEET)

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 811 South First, Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name San Juan 32-7 Unit	⁶ Well Number 220
⁷ OGRID No.	⁸ Operator Name Phillips Petroleum Company	⁹ Elevation 6766'

¹⁰ Surface Location

UL or lot no. M	Section 5	Township 31N	Range 7W	Lot Idn	Feet from the 655'	North/South line South	Feet from the 705'	East/West line West	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. M	Section 5	Township 31N	Range 7W	Lot Idn	Feet from the 1600'	North/South line South	Feet from the 150'	East/West line West	County San Juan
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

3871.56 3697.32 16 ¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Richard Allred</i> Signature Richard Allred Printed Name Drilling & Prod. Supervisor Title 6-30-97 Date				
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. 06/04/97 Date of Survey Signature and Seal of Professional Surveyer:				

5254.92

PHILLIPS PETROLEUM

Structure : SEC.5-T31N-R7W Well : SAN JUAN 32-7 #220

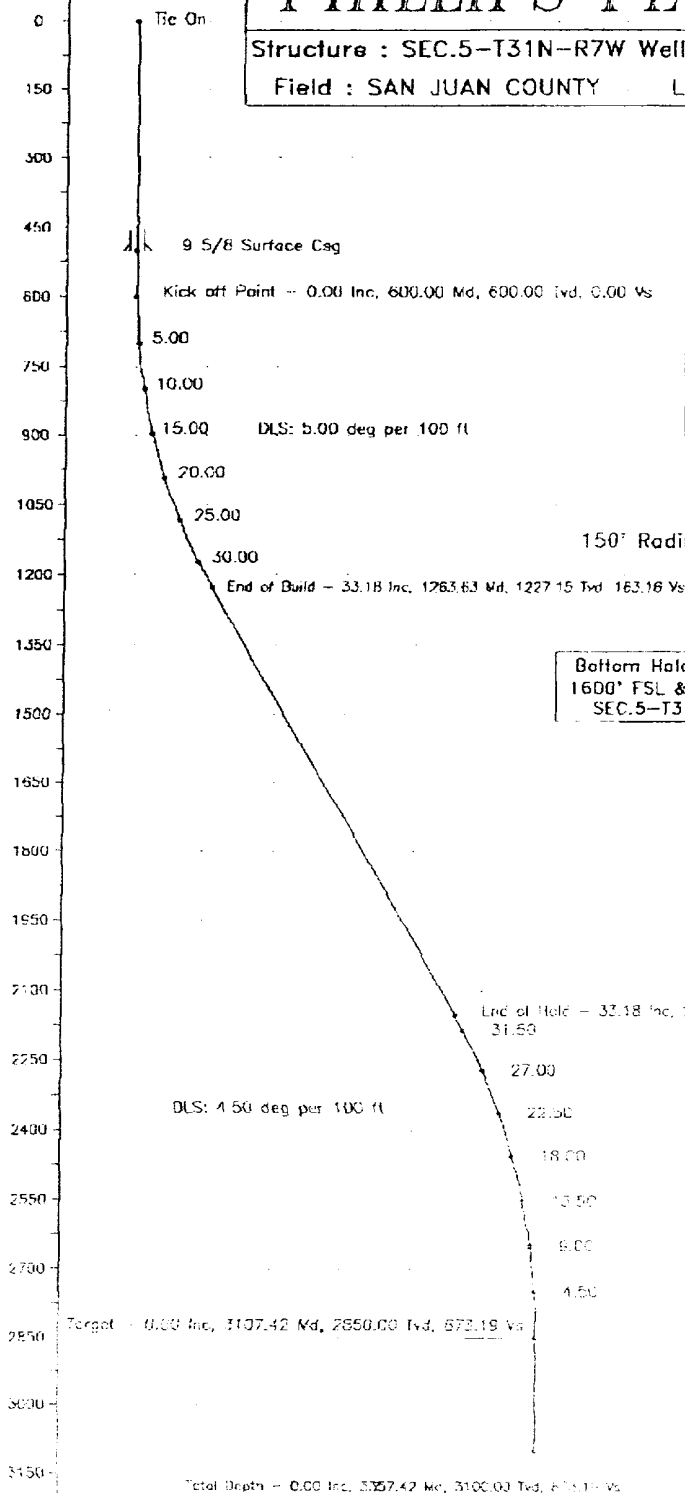
Field : SAN JUAN COUNTY Location : NEW MEXICO



WELL PROFILE DATA

Point	MD	Inc	On	TVL	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	323.13	0.00	0.00	0.00	0.00	0.00
KOP	600.00	0.00	323.13	600.00	0.00	0.00	0.00	0.00
End of Build	1263.63	33.18	323.13	1227.15	149.48	-112.11	180.85	5.00
End of Hole	2370.08	33.18	323.13	2153.17	635.91	-475.43	792.36	0.00
Target S# 220	3107.42	0.00	323.13	2850.00	800.00	-800.00	1000.00	1.50
T.D. & Line of Well	3357.42	0.00	323.13	3100.00	800.00	-600.00	1000.00	0.00

<- True Vertical Depth (feet)

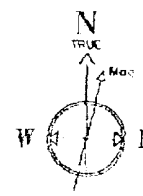


150' Radius Target

Bottom Hole Location
1600' FSL & 150' FWL
SEC.5-T31N-R7W

Surface Location
655' FSL & 705' FWL
SEC.5-T131N-R7W

Surface 0.00 N, 0.00 E



9-JUN-97

Magnetic North is 11.51 degrees East of TRUE North
To correct azimuth from Magnetic to TRUE add 11.51 deg

Azimuth 293.96 with reference 0.00 N, 0.00 E from SLO1 #1

Baker Hughes INTEQ
DRAWN BY: WALLY HOLBROOK
DATE: JULY 01, 1997
TVL REFERENCED RKB
DENVER, COLORADO
PHONE: (303) 534-3273

PHILLIPS PETROLEUM
SEC.5-T31N-R7W

SAN JUAN 32-7 #220
SLOT #1
SAN JUAN COUNTY
NEW MEXICO

P R O P O S A L L I S T I N G

by
Baker Hughes INTEQ

Your ref : INITIAL PLAN, REV.#3
Our ref : prop2916
License :

Date printed : 1-Jul-97
Date created : 9-Jun-97
Last revised : 17-Jun-97

Field is centred on n36 50 0.000,w107 30 0
Structure is centred on n36 56 39.000,w107 38 21

Slot location is n36 56 45.476,w107 38 12.316
Slot Grid coordinates are N 2163657.238, E 557444.693
Slot local coordinates are 655.00 N 705.00 E

Projection type: mercator - New Mexico West (3003), Spheroid: Clarke - 1866
Reference North is True North

PHILLIPS PETROLEUM
SEC. 5-T31N-R7W, SAN JUAN #220
SAN JUAN COUNTY, NEW MEXICO

PROPOSAL LISTING Page 1
Your ref : INITIAL PLAN, REV.#3
Last revised : 17-Jun-97

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
0.00	0.00	323.13	0.00	0.00 N	0.00 E	0.00
500.00	0.00	323.13	500.00	0.00 N	0.00 E	0.00
600.00	0.00	323.13	600.00	0.00 N	0.00 E	0.00
700.00	5.00	323.13	699.87	3.49 N	2.62 W	4.36
800.00	10.00	323.13	798.99	13.93 N	10.45 W	17.41
900.00	15.00	323.13	896.58	31.24 N	23.43 W	39.05
1000.00	20.00	323.13	991.93	55.29 N	41.46 W	69.11
1100.00	25.00	323.13	1084.28	85.89 N	64.42 W	107.36
1200.00	30.00	323.13	1172.96	122.82 N	92.11 W	153.52
1263.63	33.18	323.13	1227.15	149.48 N	112.11 W	186.85
1500.00	33.18	323.13	1424.98	252.97 N	189.73 W	316.21
2000.00	33.18	323.13	1843.45	471.89 N	353.92 W	589.86
2370.06	33.18	323.13	2153.17	633.91 N	475.43 W	792.39
2407.42	31.50	323.13	2184.73	649.90 N	487.43 W	812.38
2507.42	27.00	323.13	2271.96	688.98 N	516.74 W	861.23
2607.42	22.50	323.13	2362.75	722.46 N	541.85 W	903.08
2707.42	18.00	323.13	2456.55	750.15 N	562.61 W	937.68
2807.42	13.50	323.13	2552.77	771.86 N	578.89 W	964.82
2907.42	9.00	323.13	2650.82	787.46 N	590.59 W	984.32
3007.42	4.50	323.13	2750.10	796.86 N	597.65 W	996.08
3107.42	0.00	323.13	2850.00	800.00 N	600.00 W	1000.00
3357.42	0.00	323.13	3100.00	800.00 N	600.00 W	1000.00
						Total Depth

All data is in feet unless otherwise stated.
Coordinates from SLOT #1 and TVD from rotary table.
Bottom hole distance is 1000.00 on azimuth 323.13 degrees from wellhead.
Vertical section is from wellhead on azimuth 323.13 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

PHILLIPS PETROLEUM
 SEC. 5-T31N-R7W, SAN JUAN 32-7 #220
 SAN JUAN COUNTY, NEW MEXICO

PROPOSAL LISTING Page 2
 Your ref : INITIAL PLAN, REV.#3
 Last revised : 17-Jun-97

Comments in wellpath
 =====

MD	TVD	Rectangular Coords.	Comment
3357.42	3100.00	800.00 N 600.00 W	Total Depth

Casing positions in string 'A'
 =====

Top MD	Top TVD	Rectangular Coords.	Bot MD	Bot TVD	Rectangular Coords.	Casing
0.00	0.00	0.00N	0.00E	500.00	500.00	0.00N 0.00E 9 5/8 Surfa

Targets associated with this wellpath
 =====

Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
SJ 220		2850.00	945.00N 555.00W	9-Jun-97



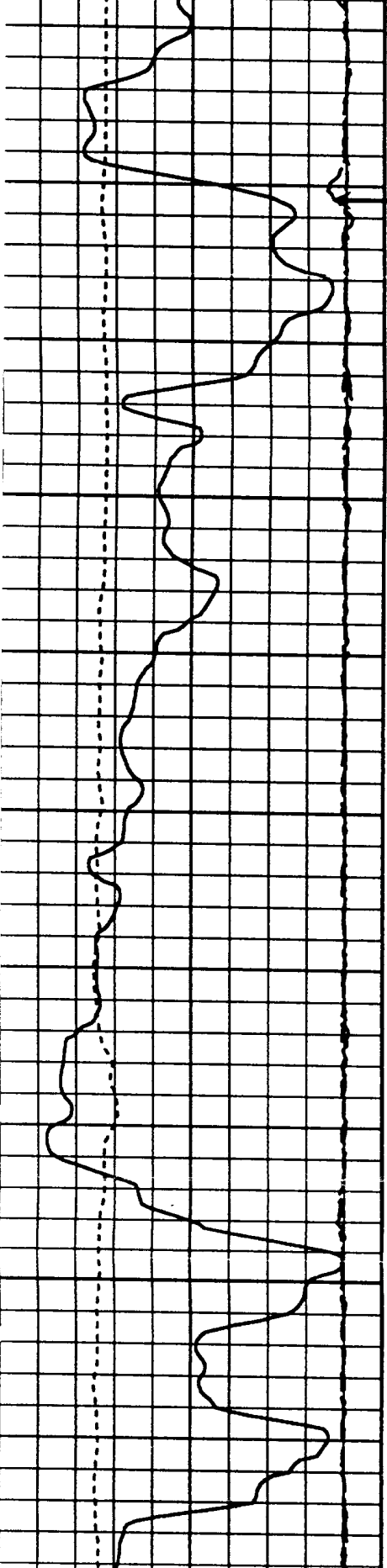
SPECTRAL DENSITY DUAL SPACED NEUTRON

coals marked

COMPANY PHILLIPS PETROLEUM COMPANY	
WELL	SAN JUAN 32-7 NO. 218
FIELD	BASIN FRUITLAND COAL
COUNTY	LA PLATA
STATE	CO
API NO.	30-045-28359
LOCATION	681 FSL AND 1311 FWL
SEC. 5	TWP 31N RGE 7W
PERMANENT DATUM GL	ELEV. 6646
LOG MEASURED FROM KB	16 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM KB	ELEV.: K.B. 6662 D.F. 6661 G.L. 6646
DATE	4/5/91
RUN NO.	ONE
DEPTH-DRILLER	3400
DEPTH-LOGGER	3400
BTM. LOG INTER.	3396
TOP LOG INTER.	2000
CASING-DRILLER	7.0 #3232
CASING-LOGGER	3231
BIT SIZE	6.25
TYPE FLUID IN HOLE	PROD. WATER
DENS. : VISC	NA : NA
PH : FLUID LOSS	NA : NA
SOURCE OF SAMPLE	NA
RM # MEAS. TEMP.	NA # NA
RMF # MEAS. TEMP.	NA # NA
RMC # MEAS. TEMP.	NA # NA
SOURCE RMF : RMC	NA : NA
RM # BHT	NA # NA
TIME SINCE CIRC.	NA
TIME ON BOTTOM	23:24
MAX. REC. TEMP.	116 #TD
EQUIP. : LOCATION	4550 : FARM
RECORDED BY	R. FRIDAY
WITNESSED BY	T. MOORE D. WALTERS

FILE COPY

Q SHORT		
-4.5	QUALITY	0.5
Q LONG		
4.5	QUALITY	-0.5
GAMMA		
0	API	200
CALIPER		
4	INCHES	14

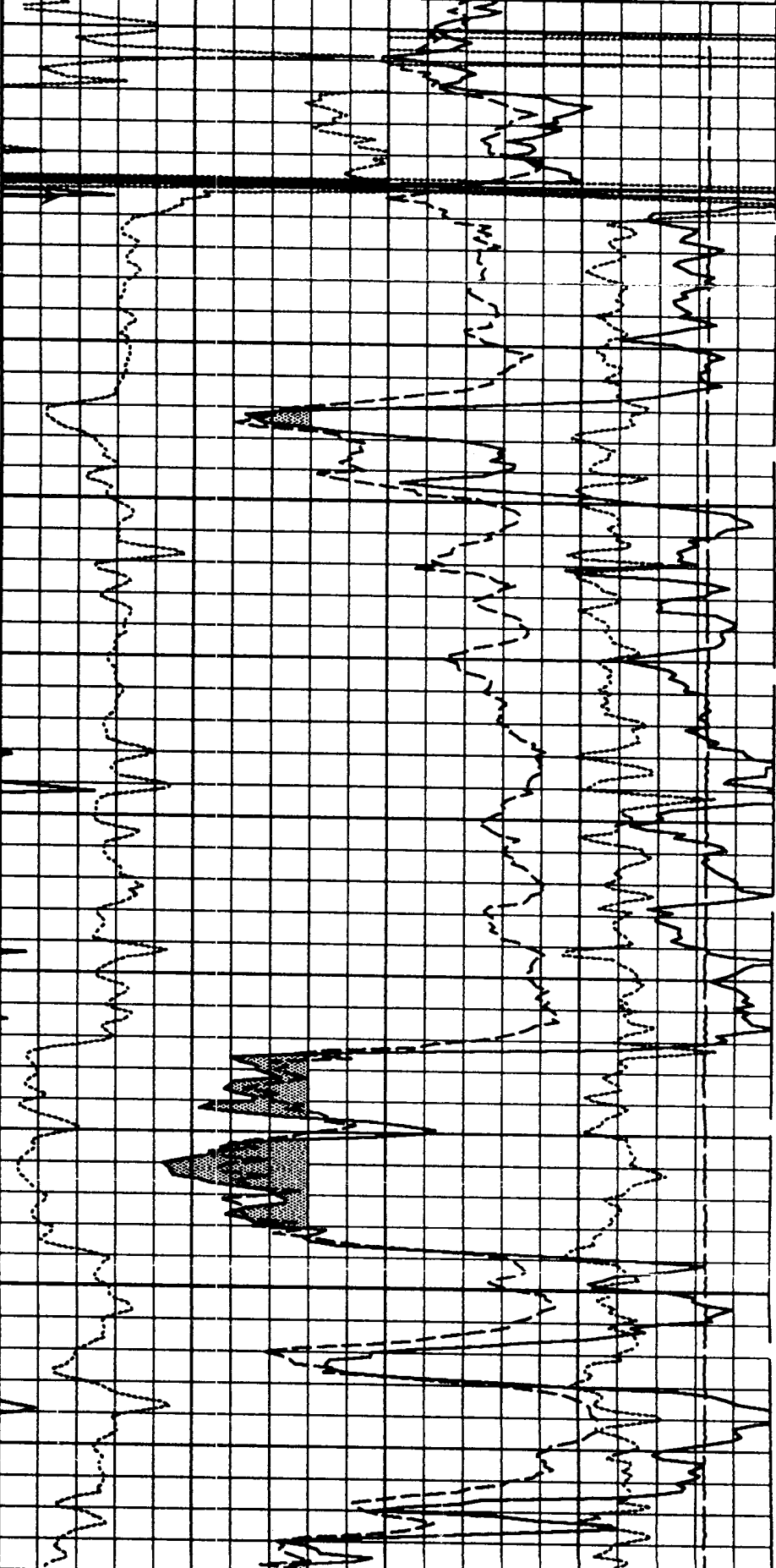


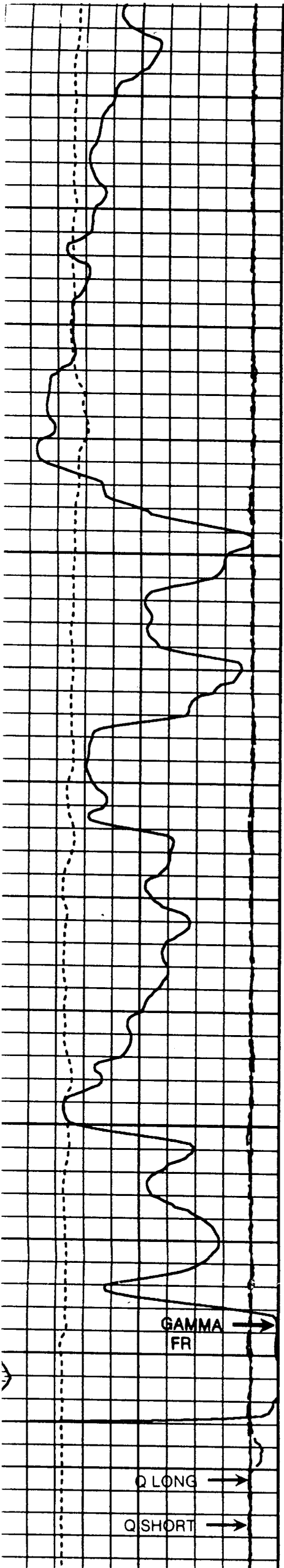
CASING

Top Coal
60 5244'

3300.

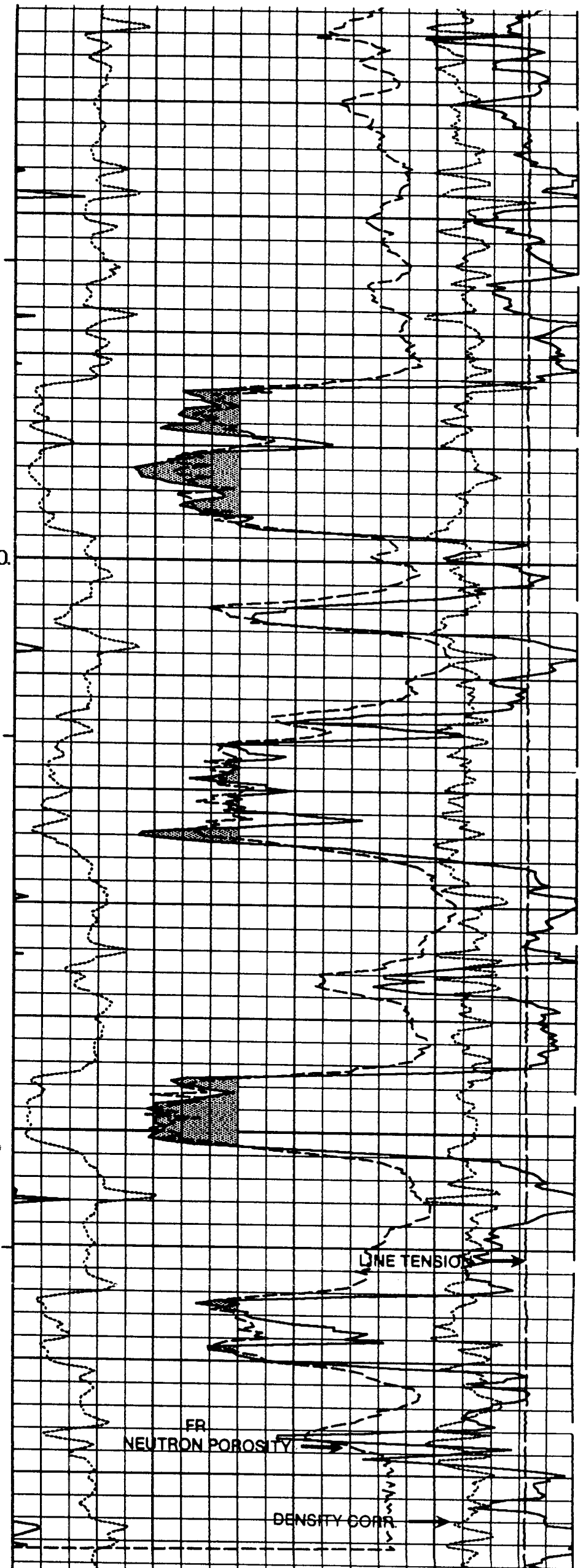
REPEAT SECTION		TENSION	
		10000	LBS
PE			DEN CORR
0	10	-0.25	GM/CC
			0.25





3300

Base
Cool @
33 SI



218 (Approx. 2300)

