

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO 1004-0135
Expires July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5 Lease Serial No
NMSF078194

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No

SUBMIT IN TRIPLICATE - Other instructions on reverse side.8 Well Name and No
LUDWICK LS 159 APT Well No
30-045-09383-00-C110 Field and Pool, or Exploratory
BASIN DAKOTA
BLANCO MESAVERDE11 County or Parish, and State
SAN JUAN COUNTY, NM

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2 Name of Operator

BP AMERICA PRODUCTION CO

Contact CHERRY HLAVA

E-Mail hlavac@bp.com

3a Address

200 ENERGY COURT
FARMINGTON, NM 87401

3b Phone No (include area code)

Ph 281-366-4081

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 19 T30N R10W NENE 0990FNL 0950FEL
36 801650 N Lat, 107 919070 W Lon

12 CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☒ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

BP
13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleting horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleting in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Previously, BP suspected a casing leak because swabbing the well brought up cedar fiber which is a loss of circulation material used during drilling and can be found behind the casing. Upon further investigation, cedar fiber was only used around producing intervals near where the well was to be perforated and therefore came in through the perforations. Swabbing brought back cedar fiber after the initial completion as well. Those returns must have come through the perforations as well.

04/29/2002 - CIBP was set @5500', hole loaded with 2% KCL wtr & pressure tested casing to 2500 lbs. Held ok, ran CBL, found good cmt. This also indicates integrity of the casing.

There is no casing leak suspected at this time. A log and squeeze is no longer needed.

14 I hereby certify that the foregoing is true and correct.

Electronic Submission #118655 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO., sent to the Farmington
Committed to AFMSS for processing by STEVE MASON on 09/28/2011 (11SXM0409SE)

Name (Printed/Typed) CHERRY HLAVA

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 09/28/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTED

STEPHEN MASON
Title PETROLEUM ENGINEER

Date 09/28/2011

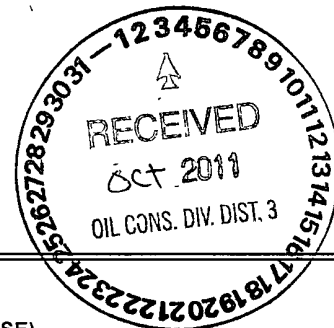
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

NMOCDA



Additional data for EC transaction #118655 that would not fit on the form

32. Additional remarks, continued

Please see attached log run 4/29/2002

Schlumberger

Company: BP AMERICA

Well: LUDWICK LS #15

Field: MESAVERDE

County: SAN JUAN

State: NM

CEMENT BOND LOG

GR/CCL

NA	Elev	KB	12 ft
	GL	0 ft	
	DF	0 ft	
Permanent Datum	GROUND LEVEL	Elev.	0 ft
Log Measured From	KB	12 0 ft	above Perm Datum
Drilling Measured From	KB		

API Serial No	Section	Township	Range
3064309383	19	30N	10W

Logging Date	29-Apr-2002
Run Number	1
Depth Driller	5500 ft
Schlumberger Depth	5500 ft
Bottom Log Interval	5500 ft
Top Log Interval	4500 ft
Casing Fluid Type	
Salinity	
Density	
Fluid Level	
BIT CASING/TUBING STRING	
Bit Size	7.875 in
From	
To	
Casing Tubing Size	5.500 in
Weight	11 lbm/ft
Grade	
From	
To	
Max Turn Recorded Temperatures	
Logger On Bottom	29-Apr-2002 13:51
Unit Number	312 FARMINGTON
Recorded By	LANCE WOOD
Witnessed By	GREG KEMPTON

	Run 1	Run 2	Run 3	Run 4
PVT DATA	Oil Density			
	Water Salinity			
	Gas Gravity			
	B _o			
	B _w			
	1/B _g			
	Bubble Point Pressure			
	Bubble Point Temperature			
	Solution GOR			
	Maximum Deviation			
	CEMENTING DATA			
	Primary/Squeeze	Primary		
	Casing String No			
	Lead Cement Type			
	Volume			
	Density			
	Water Loss			
	Additives			
	Tail Cement Type			
	Volume			
	Density			
	Water Loss			
	Additives			
	Expected Cement Top			
	Logging Date			
	Run Number			
	Depth Driller			
	Schlumberger Depth			
	Bottom Log Interval			
	Top Log Interval			
	Casing Fluid Type			
	Salinity			
	Density			
	Fluid Level			
	BIT CASING/TUBING STRING			
	Bit Size			
	From			
	To			
	Casing Tubing Size			
	Weight			
	Grade			
	From			
	To			
	Maximum Recorded Temperatures			
	Logger On Bottom			
	Time			
	Unit Number			
	Location			
	Recorded By			
	Witnessed By			

CasCollar
From CCL to T1

Casing Collar Locator (CCL)
-19 (---) 1

Transit Time 2 (TT2)
400 (US) 200

Gamma Ray (GR)
(GAPI) 0 150

Stt/GoodBond
From ASA2 to GOBO

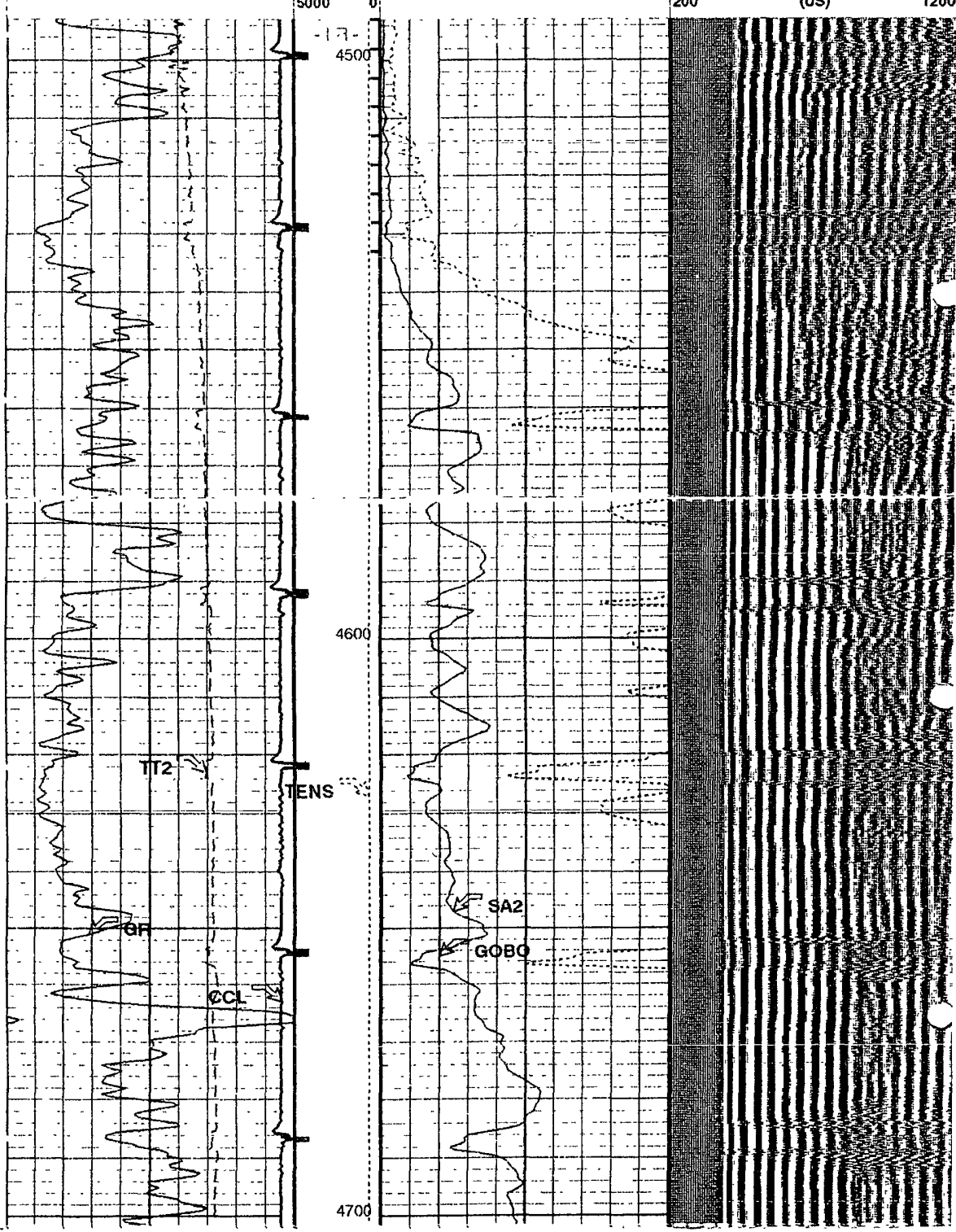
CBL Amplitude (SA2)
(MV) 0 100

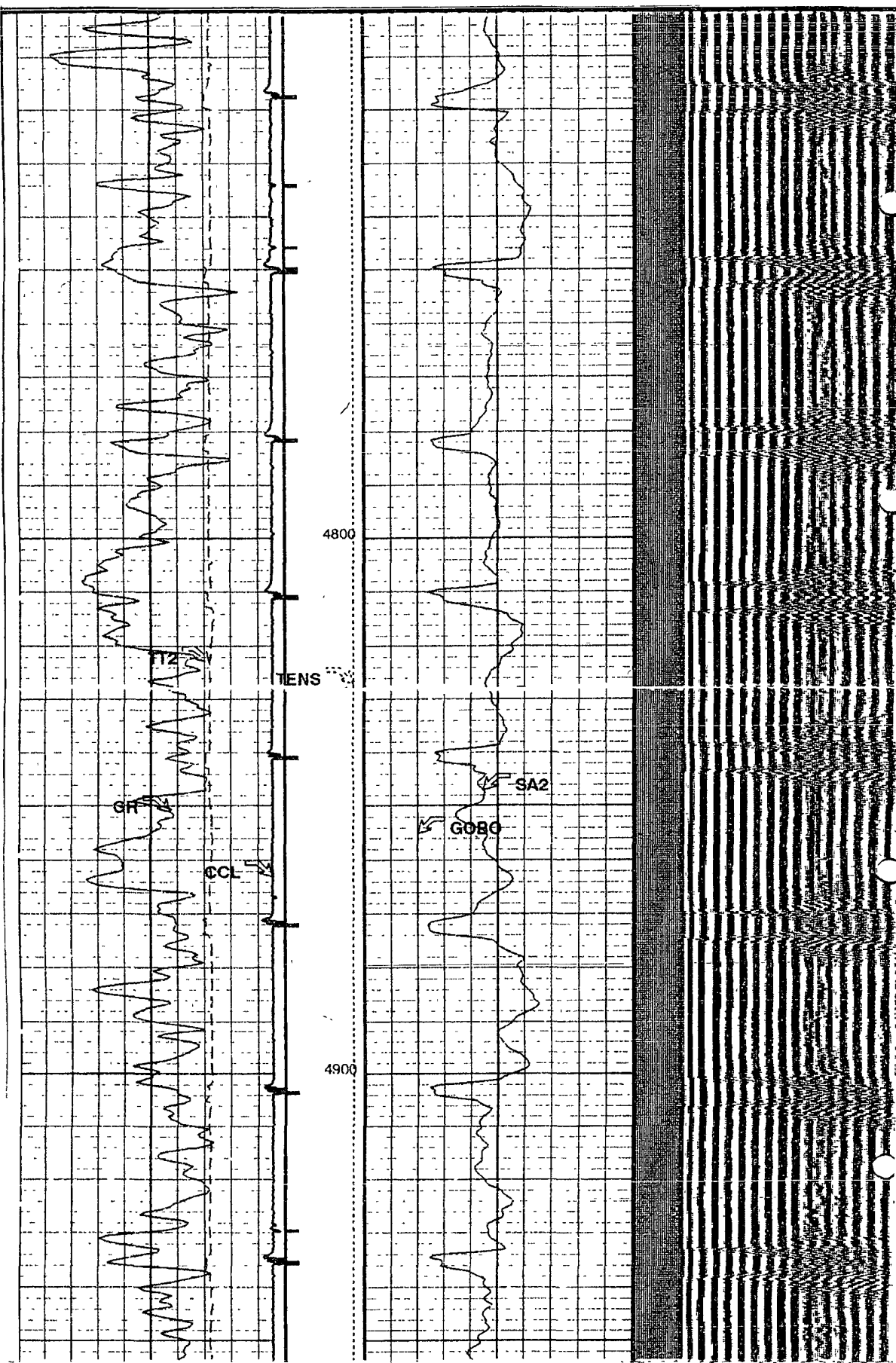
Good Bond (GOBO)
(MV) 0 10

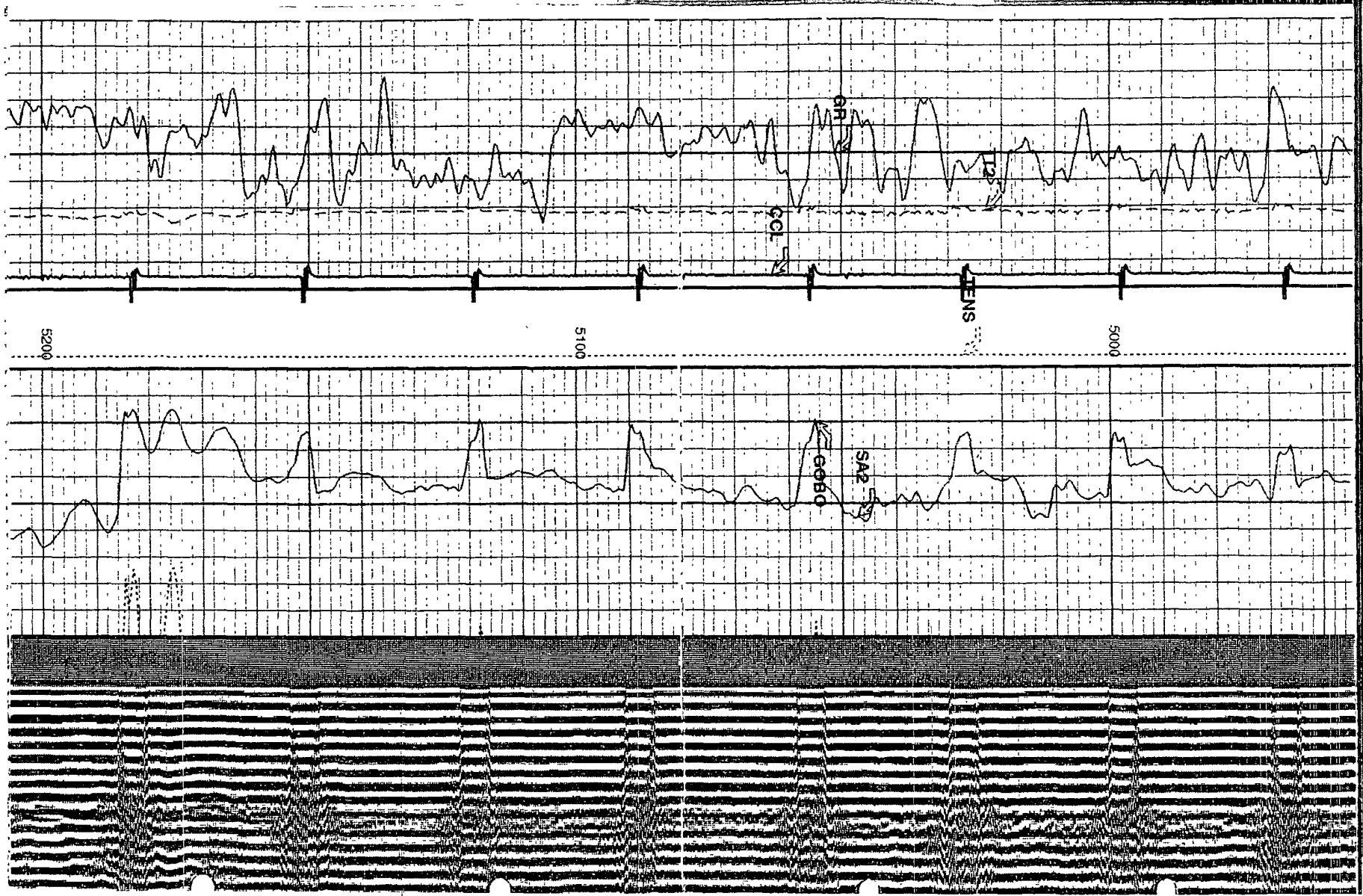
CBL Amplitude (SA2)
(MV) 0 20

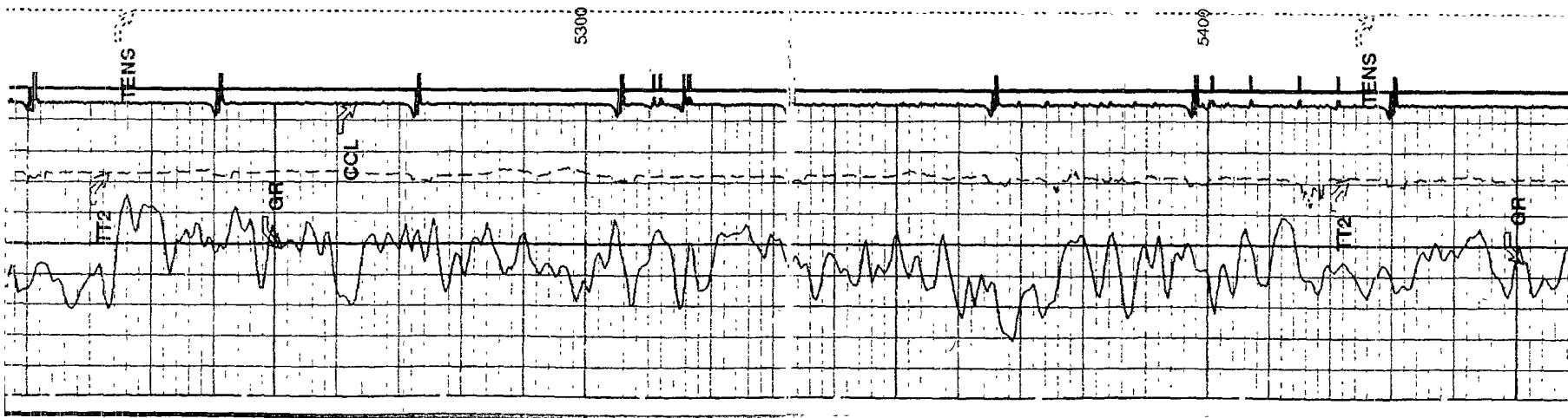
MAIN PASS

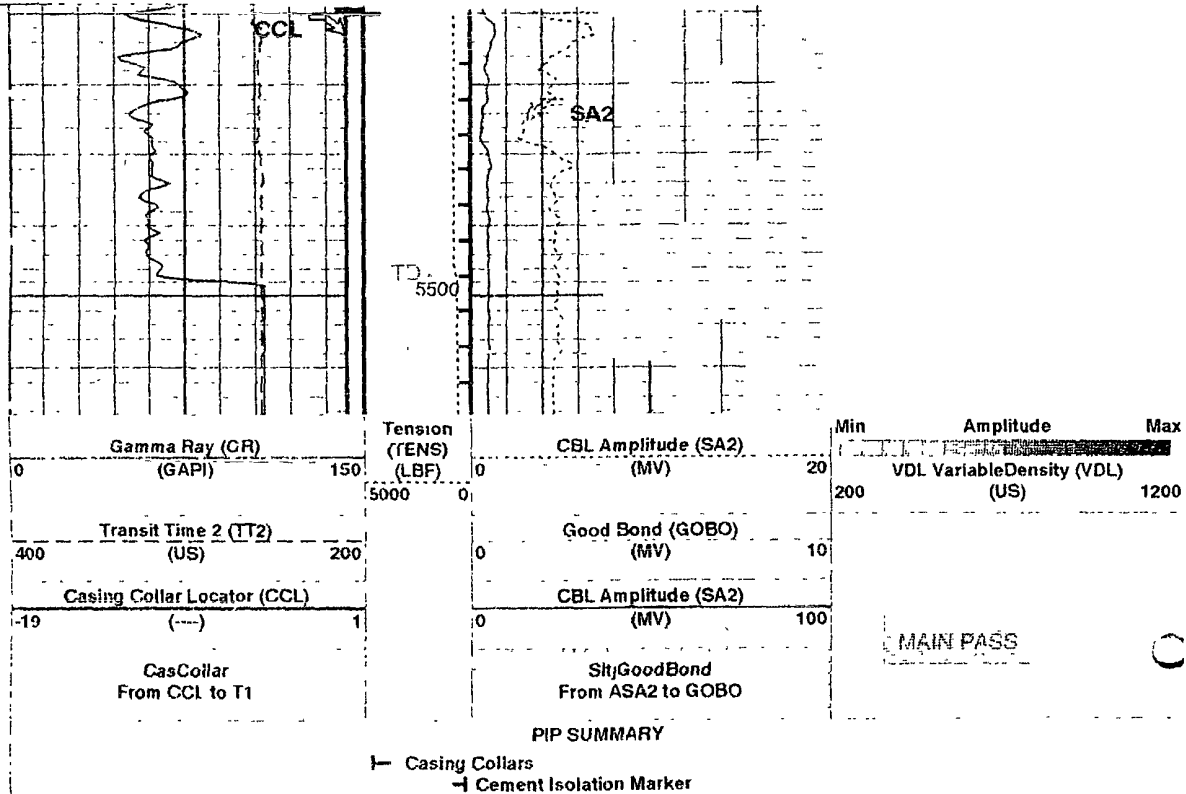
Min Amplitude Max
VDL Variable Density (VDL)
200 (US) 1200











Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
SLT-J	Sonic Logging - J	
BILJ	Bond Index Level for Zone Isolation	0.8
CSTR	Compressive Strength of Cement	1000 PSIA
GOBO	Good Bond	2 MV
MCI	Minimum Cemented Interval for Isolation	4.75 FT
MSA	Minimum Sonic Amplitude	3.31087 MV
SA1G	Sonic Amplitude 1 Gain Correction	1
SA2G	Sonic Amplitude 2 Gain Correction	1.25
CCLD	CCL-AJ: Casing Anomaly Locator - V	
CCLT	CCL reset delay	12 IN
	CCL Detection Level	0.3 V
CSIZ	System and Miscellaneous	
CWEI	Current Casing Size	5.500 IN
	Casing Weight	17.00 LB/F

Format: CBL_VDL Vertical Scale: 5" per '00'

Graphics File Created: 29-Apr-2002 13:57

OP System Version: 10C0-306

MCM

SLT-J	10C0-306	SGT-G	10C0-306
CCL-AJ	10C0-306		

Output DLIS Files

DEFAULT	SONIC_004LUP	FN:3	PRODUCER	29-Apr-2002 13:57
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Company	BP AMERICA	Schlumberger
Well	LUDWICK LS #15	
Field	MESAVERDE	
County	SAN JUAN	
State	NM	
CEMENT BOND LOG		
GR/CCL		
SCANNED 2010		