

Colored

DUAL LATEROLOG / MSFL

CSU Field Log

COMPANY:	SIEITE OIL AND GAS CORPORATION	
WELL:	DSAGE FEDERAL NO. 13	
FIELD:	UNDESIGNATED BONE SPRING	
COUNTY:	EDDY	
STATE:	NEW MEXICO	
NATION:	USA	
LOCATION:	660' FNL & 1980' FNL	
SEC: 34	TWP: 19S	RGE: 29E
PERMANENT DATUM: GL 3304.0 F ELEV. OF PERM. DATUM: 3304.0 F ELEV. MEASURED FROM: KB 15.0 F ABOVE PERM. DATUM DRLG. MEASURED FROM: KB		
DATE:	29 NOV 89	
RUN NO:	TWO	
DEPTH-DRILLER:	9397.0 F	ELEVATIONS- KB: 3319.0 F DF: 3318.0 F GL: 3304.0 F
DEPTH-LOGGER:	9398.0 F	
BTM. LOG INTERVAL:	9395.0 F	
TOP LOG INTERVAL:	5300.0 F	
CASING-DRILLER:	3166.0 F	
CASING-LOGGER:	3166.0 F	
CASING:	8 5/8	
WEIGHT:	24.0000 LB/F	
BIT SIZE:	7 7/8	
DEPTH:	9397.0 F	
OTHER SERVICES- LDT/CNL/GR VOLAN EPT PROGRAM TAPE NO: 32.2 SERVICE ORDER NO: 521690		

Perfs
6964-7174'

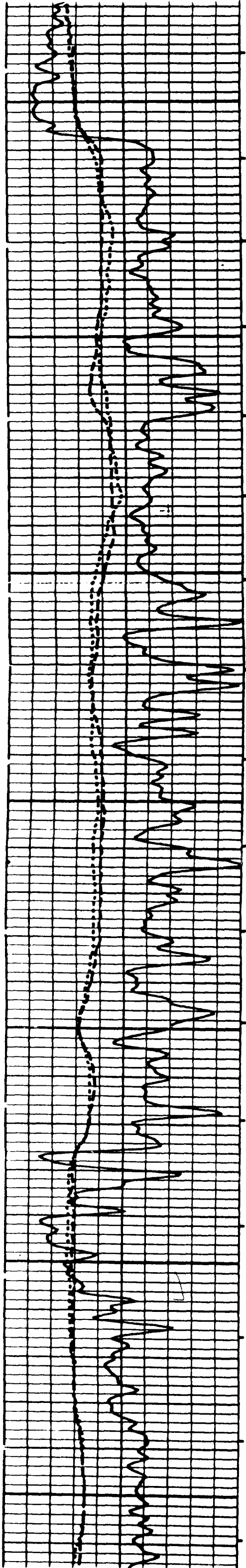
TYPE FLUID IN HOLE:	CUT BRINE
DENSITY:	9.70 LB/G
VISCOSITY:	28.0 S
PH:	9.5
FLUID LOSS:	
SOURCE OF SAMPLE:	PIT
RM:	.062 DHMM AT 59.0 DEGF
RMF:	.043 DHMM AT 59.0 DEGF
RMC:	.077 DHMM AT 59.0 DEGF
SOURCE RMF/RMC:	CAL /CAL
RM AT BHT:	.027 DHMM AT 147. DEGF
RMF AT BHT:	.018 DHMM AT 147. DEGF
RMC AT BHT:	.033 DHMM AT 147. DEGF
TIME CIRC. STOPPED:	1400 9/10
TIME LOGGER ON BTM.:	SEE LOG
MAX. REC. TEMP:	147.0 DEGF
LOGGING UNIT NO:	8234
LOGGING UNIT LOC:	ROSWELL N. M.
RECORDED BY:	HICKMAN
WITNESSED BY:	B. BACHSCHMID

REMARKS:
LDT/CNL/DLL/MSFL RAN IN COMBO

EQUIPMENT NUMBERS-

MSC D 2839	DRS C 3946	GSR J 7146	PDH L 1736
SRS D 800	SRE F 755	DLC D 845	SGC SA 206
CNC HA 289	TCC B 373	TCH AB 1256	LCM A 1793

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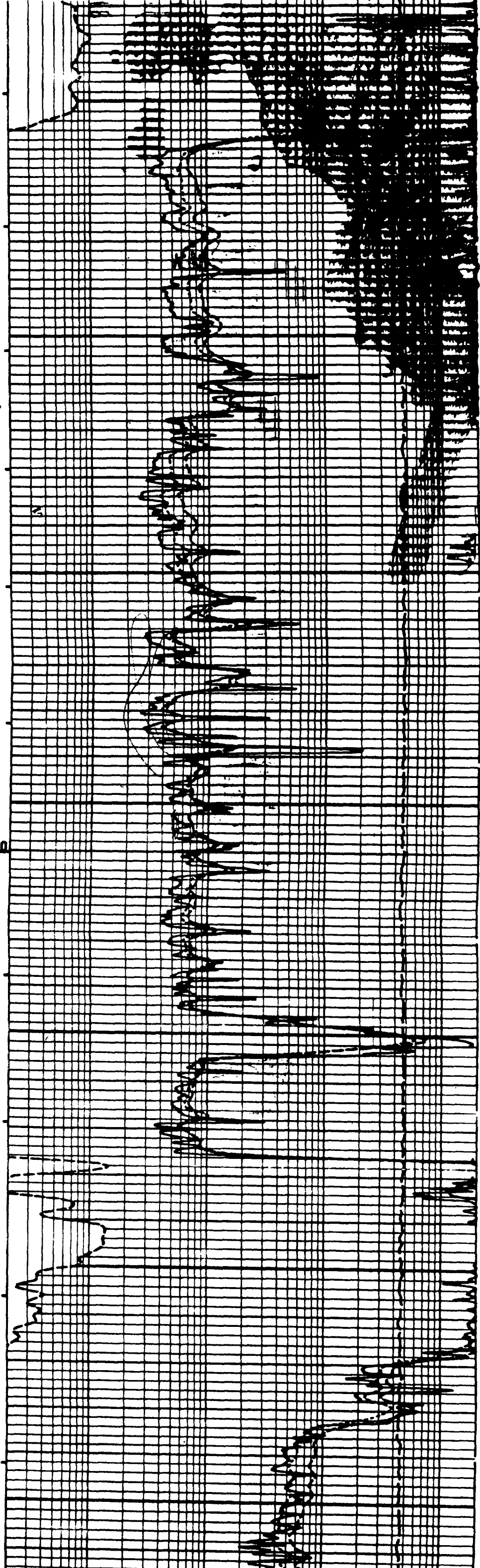


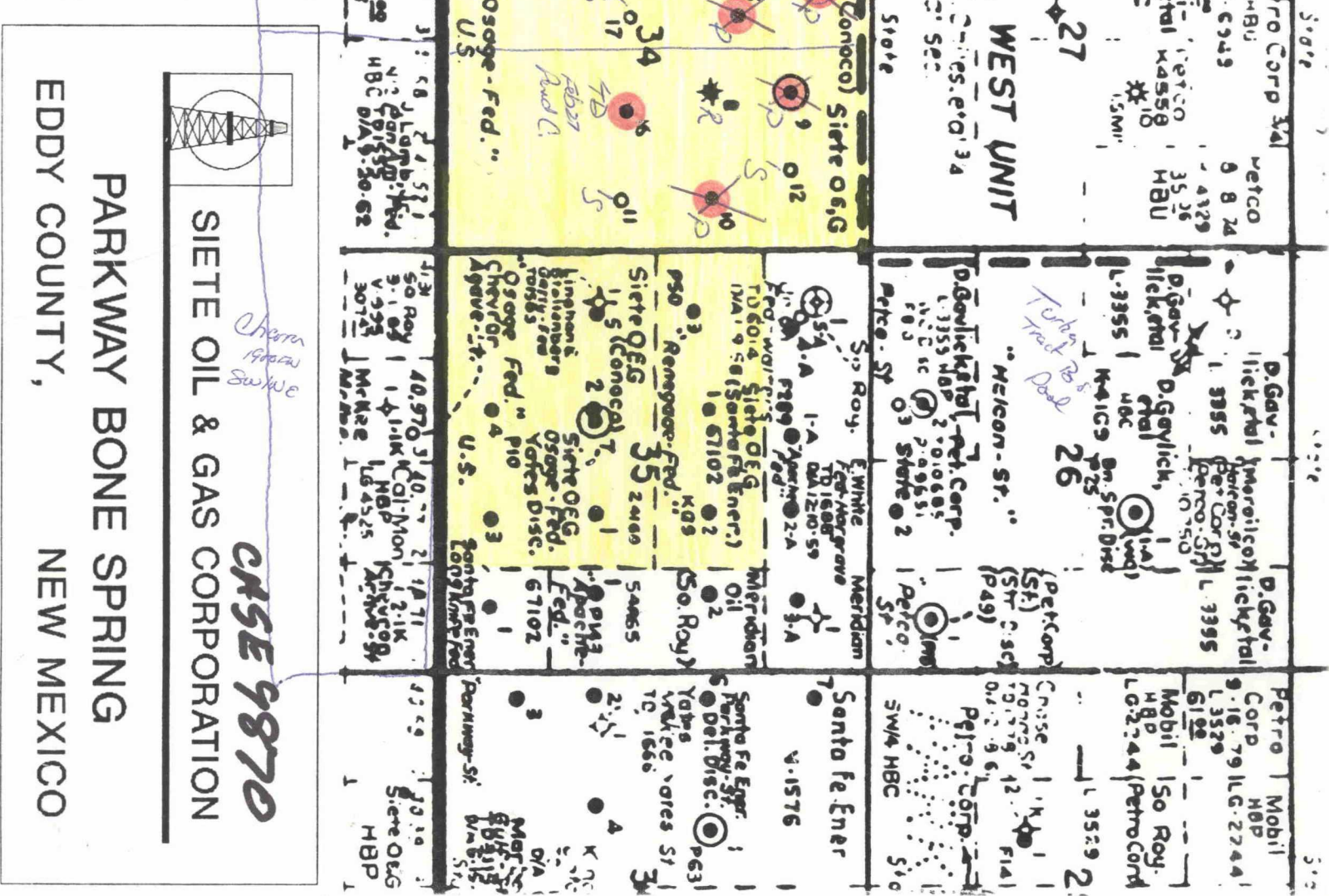
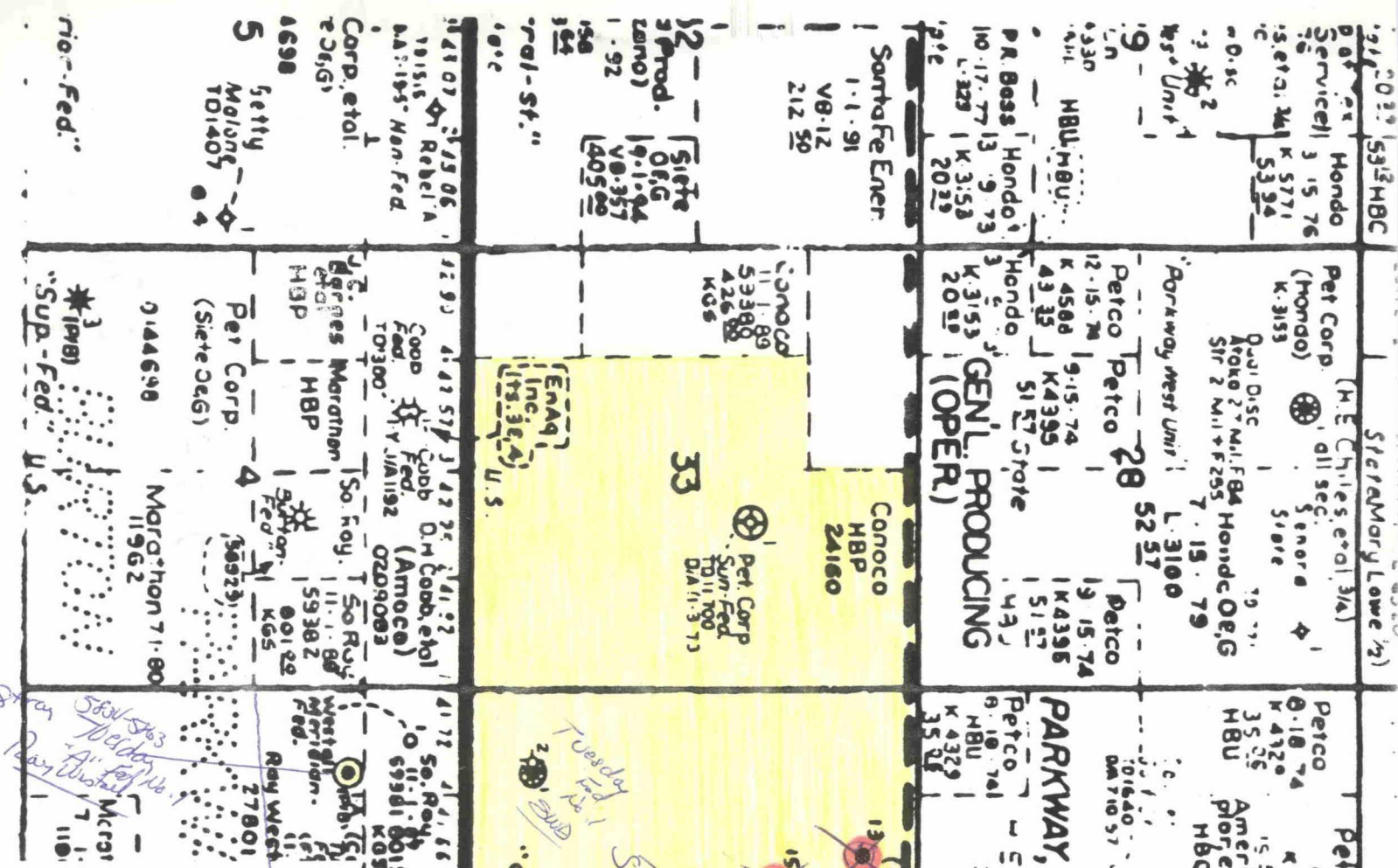
7000
828

100

7100
60

7200





CASE 9870
SIETE OIL & GAS CORPORATION
PARKWAY BONE SPRING
EDDY COUNTY, NEW MEXICO

Q578P 3240

BEFORE EXAMINER CATANACH

OIL CONSERVATION DIVISION

Sieck

EXHIBIT NO.

9870

CASE NO.



**DOWELL SCHLUMBERGER
INCORPORATED**

**Osage Federal. No. 9
LABORATORY REPORT**

TO: Siete Oil and Gas
Artesia, New Mexico

DATE: October 30, 1989

LAB LOCATION: Tulsa

TYPE OF SAMPLE: Core

LAB NUMBER: TL-60693

DESCRIPTION: Core samples from the
Bone Spring formation

AUTHOR(S): M. J. McCoy

ANALYSIS REQUESTED

Core samples from Siete Oil and Gas were submitted to Dowell Schlumberger for Scanning Electron Microscope analysis. Porosity and permeability were also to be determined.

SUMMARY OF RESULTS

The average porosity for the samples was roughly 10%. (See Table I)

Permeability was determined on two samples. One sample had a permeability 0.53 millidarcies, while the other had a permeability of 0.25 millidarcies. (See Table I)

The X-ray Diffraction revealed Quartz as a major component with Illite and Feldspars making up the minor and low components, respectively. (See Table II)

Scanning Electron Microscope photographs are attached.

**M. J. McCoy
Sustaining/Tech Service
(918)250-4336**

DISTRIBUTION:

**Originator : Ross Rucker, Artesia
Division Lab : Houston Tech Center
Tulsa: File; C.E. Bannister; Jerry Hinkel; Formation**

RESULTS

Porosity and Permeability

Table I				
Dimensions, Porosity and Permeability				
Depth (feet)	Diameter (inches)	Length (inches)	Porosity (%)	Permeability (md)
7067	0.915	0.971	10.8	0.385
7102	0.910	0.974	15.9	0.116
7132	0.915	0.916	13.6	0.003
7814	0.913	0.803	3.3	
7848	0.922	0.917	13.0	0.086
7955	0.922	0.965	19.2	0.001
7991	0.921	0.850	14.7	0.086
8038	0.921	0.953	16.1	0.002
8056	0.918	0.945	10.9	0.001

X-Ray Diffraction

Table II - Compound Concentrations						
Depth (feet)	Major			Minor	Low	Trace
	>60%	40-60%	20-40%	10-30%	5-15%	<5%
7102	Quartz			Feldspars		Biotite Illite
7848	Quartz			Feldspars		Biotite Illite
8038	Quartz			Feldspars		Biotite Illite Pyrite

Well File Log

LITHO-DENSITY COMP. NEUTRON GR

CSU

COMPANY:	SIETE OIL AND GAS CORPORATION	OTHER SERVICES- DLL/MSFL VOLAN
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WITNESSED BY:	B. BACHSCHMID

REMARKS:

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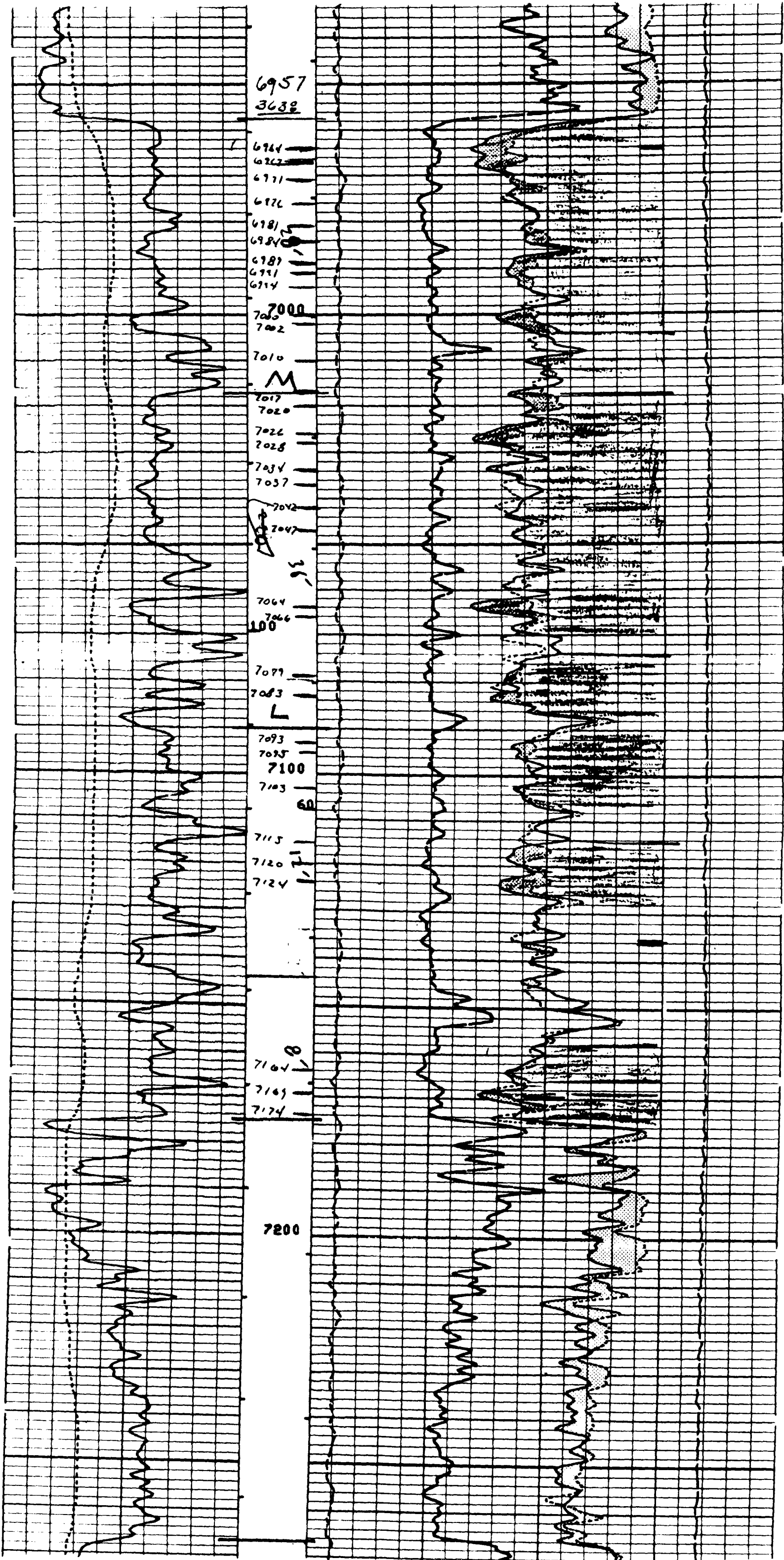
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CP 32.2

FILE 1

29-NOV-1989 04:13

AFTER SURVEY TOOL CHECK SUMMARY



Colo 6104

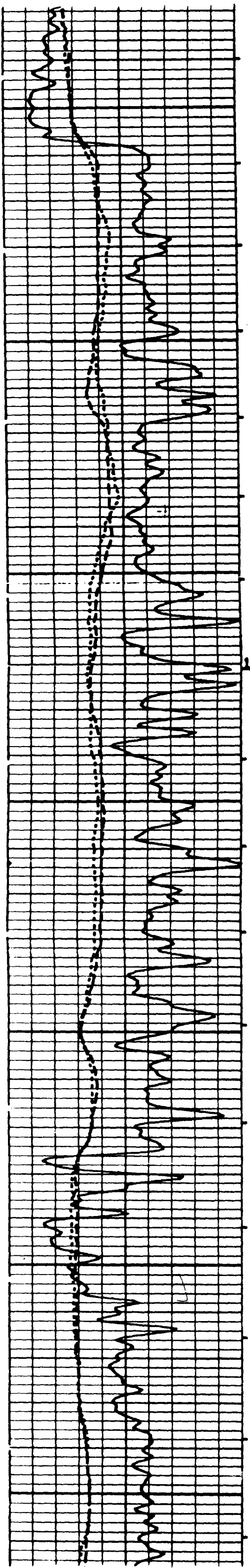
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VDLAN	
EPT	
PROGRAM	
TAPE NO:	
32.2	
SERVICE	
ORDER NO:	
521690	

Per-Is
6964-7174

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528

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