CONFIDENTIAL

GL04350-5

Dresser Atlas — DRESSER

COMPENSATED DENSILOG® GAMMA RAY

FILE NO.	
API NO.	
COMPANY	GEO OPERATOR CORP.
WELL	PRATTI STATE #12
FIELD	GEYSERS
COUNTY	SONOMA
STATE	CA.

2" = 100'

LOCATION: 1657' E & 918' S OF THE NW CORNER OF

SEC 1 TWP 11N RGE 9W

OTHER SERVICES: TEMP

PERMANENT DATUM GL ELEV. 2435'

LOGGING MEASURED FROM KB 29' FT. ABOVE P.D.

DRILLING MEASURED FROM KB

ELEVATIONS: KB 2464' DF GL 2435'

DATE	7/17/87		
RUN	1		
SERVICE ORDER	23075		
DEPTH-DRILLER	4212'		
DEPTH-LOGGER	4202'		
BOTTOM LOGGED INTERVAL	4200'		
TOP LOGGED INTERVAL	1767'		
CASING - DRILLER	17.5 @ 1769'	@	@
CASING - LOGGER	1767'		
BIT SIZE	17.5"		
TYPE FLUID IN HOLE	HEC/POLYPAC		
DENSITY / VISCOSITY	67 | 49	|	|
PH / FLUID LOSS	11.2 | 14.8	|	|
SOURCE OF SAMPLE	FLOWLINE		
RM AT MEAS. TEMP.	3.59 @ 73	@	@
RMF AT MEAS. TEMP.	3.40 @ 73	@	@
RMC AT MEAS. TEMP.	3.18 @ 73	@	@
SOURCE OF RMF / RMC	MEAS | MEAS	|	|
RM AT BHT	1.05 @ 250	@	@
TIME SINCE CIRCULATION	4 HRS.		
MAX. REC. TEMP. DEG. F	250		
EQUIP. NO. / LOC.	HL6399 | BAK	|	|
RECORDED BY	B. WELCH		
WITNESSED BY	MR. STERNFELD		

FOLD HERE

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

REMARKS RUN (1)

VOLUME COMPUTED FOR TOTAL HOLE
VOLUME = 5000 CU. FT.

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	CDL	50138	2212	DECENT
1	1	CAL	50138	2212	DECENT
1	1	GR	73467P	1309	DECENT

COMPANY: GEO OPERATOR CORP. RUN: 1
WELL NAME: PRATTI STATE 12 TRIP: 1
SERVICE: KC285A FILE: 4 DATE: 07/03/87 TIME: 03:48:07
REVISION: FSYSAL REV D008 VER 1 MODE: RECORD

BIT(INCH) 15 — 25
VOL(CUFT) 0 30
CORR(G/CC) -0.5 — 0.5
GR(API) 0 — 150
DEN(G/CC) 2 — 3
CAL(INCH) 15 — 25
TEN(LBS) 4900 — -100

BIT(INCH) 15 — 25
VOL(CUFT) 0 30
CORR(G/CC) -0.5 — 0.5
GR(API) 0 — 150
DEN(G/CC) 2 — 3
CAL(INCH) 15 — 25
TEN(LBS) 4900 — 100

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******************************************
*                                        *
*  CALIBRATION/VERIFICATION SUMMARIES    *
*  DATE 07/03/87        TIME 05:38:42    *
*  RUN  1               TRIP 1           *
*                                        *
******************************************

     LOG NAME CDL    ASSET NO. 50138    UNIT NO. HL6399
  CALIBRATION ENTERED ON 07/03/87 AT 01:05:04        LARGE TOOL
                          SOURCE NUMBER 767

CURVE   COUNTS/SEC.     SCALING FACTORS    RATIO    ENG. VALUE  UNITS
        BLOCK  VALUE     ADD.     MULT.     MG/AL
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     DATE 07/02/87          CALIBRATION           TIME 24:18:26

LSD     MG      302.2
SSD             370.6
DEN                                                   2.200   G/CC
CORR                                                  0.000   G/CC
LSD     AL      114.9    0.000    1.0000   2.6287
SSD             270.5    0.000    1.0000   1.3701
DEN                                                   2.800   G/CC
CORR                                                  0.000   G/CC
LSD     MGRV    279.5
SSD             397.3
DEN                                                   2.480   G/CC
CORR                                                  0.230   G/CC

     DATE 07/02/87    PRIMARY VERIFICATION      TIME 24:34:26

LSD     AL       98.7    0.000    1.0000
SSD             241.5    0.000    1.0000
DEN                                                   2.751   G/CC
CORR                                                 -0.141   G/CC

     DATE 07/03/87    BEFORE LOG VERIFICATION    TIME 01:05:51

LSD     AL       99.4    0.000    1.0000
SSD             237.4    0.000    1.0000
DEN                                                   2.706   G/CC
CORR                                                 -0.182   G/CC

     DATE 07/03/87    AFTER LOG VERIFICATION    TIME 05:27:53

LSD     AL      104.3    0.000    1.0000
SSD             239.0    0.000    1.0000
DEN                                                   2.655   G/CC
CORR                                                 -0.204   G/CC


     LOG NAME CAL    ASSET NO. 50138    UNIT NO. HL6399
  CALIBRATION ENTERED ON 07/02/87 AT 24:55:59

CURVE   MILLIVOLTS     SCALING FACTORS    ENGINEERING VALUES   UNITS
         LOW   HIGH     ADD.     MULT.       LOW        HIGH
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     DATE 07/02/87          CALIBRATION          TIME 24:55:59

CAL    1890.8  3653.5   -0.436    0.0249      6.000     12.000 INCH

                      PRIMARY VERIFICATION              NOT DONE

     DATE 07/03/87    BEFORE LOG VERIFICATION    TIME 03:14:37

CAL      E     5170.0    0.564    0.0249       E        18.162 INCH

     DATE 07/03/87    AFTER LOG VERIFICATION    TIME 05:05:14

CAL      E     5432.2    0.564    0.0249       E        19.055 INCH


     LOG NAME GR     ASSET NO. 73467P   UNIT NO. HL6399
  CALIBRATION ENTERED ON 07/02/87 AT 24:43:30

CURVE   COUNTS/SEC.    SCALING FACTORS    ENGINEERING VALUES   UNITS
         LOW   HIGH     ADD.     MULT.       LOW        HIGH
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     DATE 07/02/87          CALIBRATION          TIME 24:43:30

GR       54.2   275.1    0.000    0.6790      0.000    150.000 API

                      PRIMARY VERIFICATION              NOT DONE

     DATE 07/02/87    BEFORE LOG VERIFICATION    TIME 24:48:55

GR       55.6   305.3    0.000    0.6790     37.[illegible]89   20[illegible].311 API

     DATE 07/03/87    AFTER LOG VERIFIC[illegible]TION    TIM[illegible] 05:[illegible]:42

GR       44.6   263.4    [illegible].000    0.6790     [illegible].285    17[illegible]42 API
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