FORM 925179 Rev. (04/81)

Dresser Atlas

DRESSER

Caliper Log

Confidential

FILE NO.

API NO.

5" 100'

COMPANY OREGON NATURAL GAS CORPORATION

WELL IW 33 C-3

FIELD MIST

COUNTY COLUMBIA STATE OREGON

LOCATION: 1062.75' N. & 2377.21' W. FROM S.E. CORNER OF: NONE

Other Services

SEC 3 TWP 6N RGE 5W

Permanent Datum GL Elev. 1027.1'

Log Measured from KB 13.5 Ft. Above Permanent Datum

Drilling Measured from KB

Elev. KB 1040.6' DF GL 1027.1'

Date	1-11-87			
Run No.	ONE			
Service Order	22820			
Depth — Driller	2608'			
Depth — Logger	2604'			
Bottom Logged Interval	2603'			
Top Logged Interval	2519'			
Casing — Driller	8 5/8" @ 2519'	@	@	@
Casing — Logger	2519'			
Bit Size	SEE REMARKS			
Type Fluid in Hole	KCL POLYMER			
Density and Viscosity	8.5 | 39	|	|	|
pH and Fluid Loss	8.0 | - cc	| cc	| cc	| cc
Source of Sample	-			
Rm @ Meas. Temp.	- @ - °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	- @ - °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	- @ - °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	- | -	|	|	|
Rm @ BHT	- @ - °F	@ °F	@ °F	@ °F
Time Since Circ.	2 HRS.			
Max. Rec. Temp. Deg. F.	91 °F	°F	°F	°F
Equip. No. and Location	6406 | SAC.	|	|	|
Recorded By:	B. WELCH			
Witnessed By:	MR. THOMAS			

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.

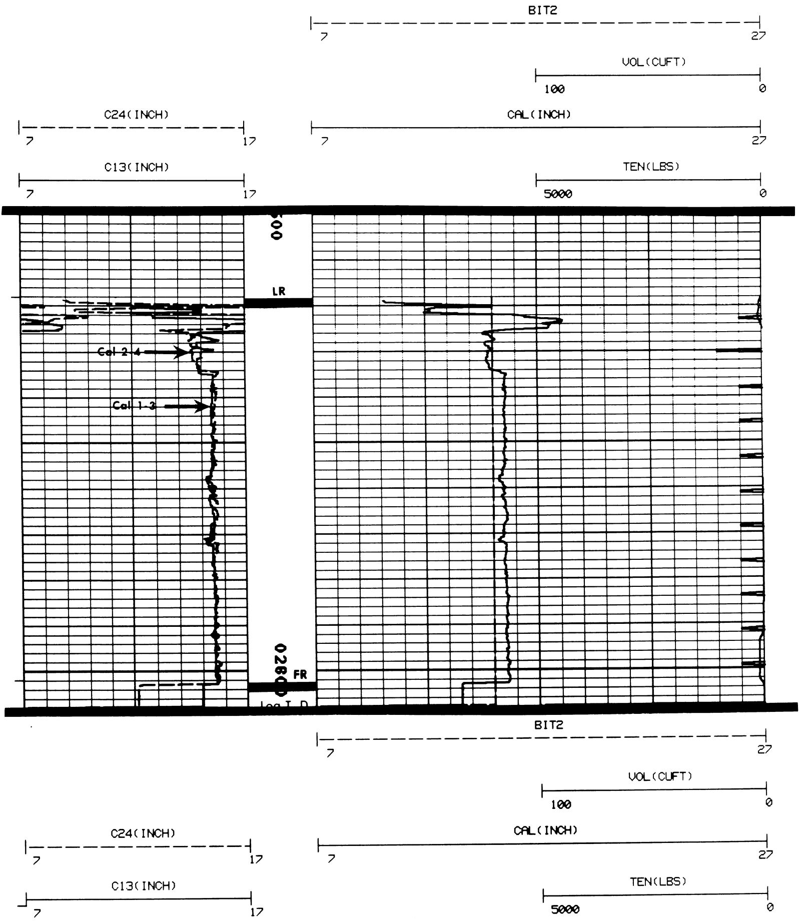
REMARKS RUN (4)

BIT SIZE 7 5/8", HOLE REAMED TO 15"
TRIP 2 AFTER TOP OF HOLE RE-REAMED

EQUIPMENT DATA

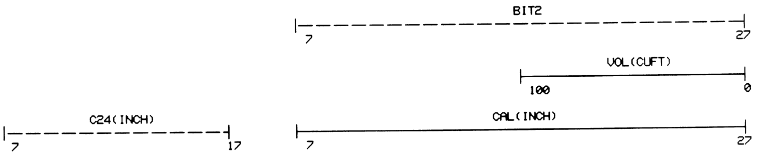
RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
4	2	4CAL	32422	1906	CENT
4	2	GR			

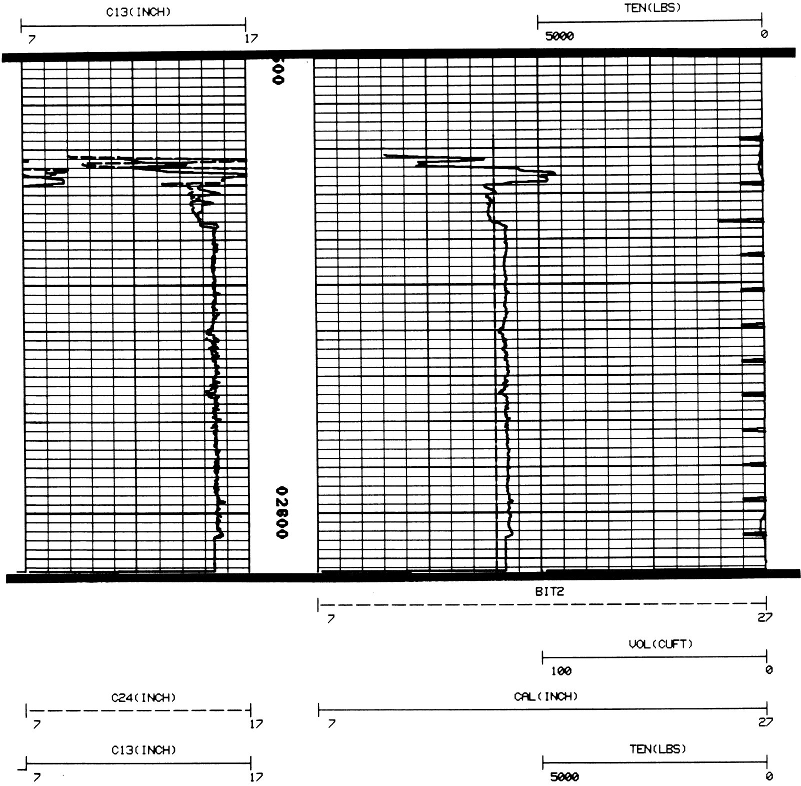
COMPANY: OREGON NATURAL GAS CORP
WELL NAME: IW 33 C-3
SERVICE: KC202B FILE: 12 DATE: 1/10/87
REVISION: FSYSAL REV D007 VER 7
RUN: 4
TRIP: 2
TIME: 7:15:46
MODE: PLAYBACK



COMPANY: OREGON NATURAL GAS CORP
WELL NAME: IW 33 C-3
SERVICE: KC202B FILE: 11 DATE: 1/10/87
REVISION: FSYSAL REV D007 VER 7
RUN: 4
TRIP: 2
TIME: 7: 9:29
MODE: PLAYBACK

REPEAT SECTION





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*****************************************************
*                                                   *
*  CALIBRATION/VERIFICATION SUMMARIES               *
*  DATE 01/10/87          TIME 00:01:15             *
*  RUN  4                 TRIP 1                    *
*                                                   *
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       LOG NAME 4CAL    ASSET NO. 32422    UNIT NO. HL6406
    CALIBRATION ENTERED ON 01/09/87 AT 22:30:25

  CURVE   MILLIVOLTS      SCALING FACTORS     ENGINEERING VALUES    UNITS
            LOW    HIGH    ADD.      MULT.       LOW        HIGH
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       DATE 01/08/87          CALIBRATION          TIME 04:44:55

  C13     1018.5  2332.6   -0.975    0.0167      6.000      15.000 INCH
  C24      891.0  2120.4   -0.522    0.0179      6.000      15.000 INCH

                        PRIMARY VERIFICATION              NOT DONE

       DATE 01/09/87     BEFORE LOG VERIFICATION    TIME 22:35:03

  C13     1030.5  2281.6   -0.975    0.0167      6.083      14.651 INCH
  C24      900.5  2111.1   -0.522    0.0179      6.070      14.932 INCH

       DATE 01/09/87      AFTER LOG VERIFICATION    TIME 23:59:11

  C13     1050.2  2257.2   -0.975    0.0167      6.217      14.484 INCH
  C24      882.9  2115.5   -0.522    0.0179      5.941      14.964 INCH
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Dresser Atlas DRESSER