Schlumberger

HIGH RESOLUTION DIPMETER

COUNTY	COLUMBIA
FIELD	MIST
LOCATION	1579'N & 1370'E
WELL	"JR BURGER JOHNSTON" #24-19-65
COMPANY	NAHAMA AND WEAGANT ENERGY CO

COMPANY NAHAMA AND WEAGANT ENERGY CO.

WELL CC "JR BURGER JOHNSTON" #24-19-65

FIELD MIST

COUNTY COLUMBIA **STATE** OREGON

LOCATION 1579'N & 1370'E
FROM SW CORNER OF:

Other Services: DIL/BHC/GR

API SERIAL NO.	SECT.	TWP.	RANGE
36-009-00315	19	6N	5W

Permanent Datum	GL	Elev.	628.3 F	Elev.: K.B.638.3 F
Log Measured From	KB	10.C F	above Perm. Datum	D.F. 637.3 F
Drilling Measured From	KB			G.L.628.3 F

Date		14-AUG-1993				
Run No.		ONE				
Depth Driller		3044.0 F				
Depth Logger (Schl.)		3029.0 F				
Btm. Log Interval		3027.0 F				
Top Log Interval		2027.0 F				
Casing-Driller		8 5/8	@ 502.0 F	@		@
Casing-Logger		502.0 F				
Bit Size		7 7/8	@ 3044.0 F	@		@
Type Fluid in Hole		GEL/POLYMER				
Dens.	**Visc.**	9.50 LB/G	40.0 S			
pH	**Fld. Loss**	7.0	5.6 C3			
Source of Sample		FLOWLINE				
Rm @ Meas. Temp.		2.650 OHMM	@ 68.0 DEGF	@		
Rmf @ Meas. Temp.		3.400 OHMM	@ 61.0 DEGF	@		
Rmc @ Meas. Temp.		2.490 OHMM	@ 61.0 DEGF	@		
Source: Rmf	**Rmc**	MEASURED	MEASURED			
Rm @ BHT		2.008 OHMM	@ 92.0 DEGF	@		
TIME	**Circulation Ended**	00:30 14-AUG-93				
TIME	**Logger on Bottom**	3:55 14-AUG-93				
Max. Rec. Temp.		92.0 DEGF				
Equip.	**Location**	8271	SACRAMI N I O			
Recorded By		MIKE DEMSKIE				
Witnessed By		R.LUCAS/B.PINOTTI				

The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Run No.	CNE		
Service Order No.	62437'		
Drilling Fluid Level	5.0 F		
Salinity	600.0 PPM		
Rmf @ BHT	2.335 OHMM	@ 92.0 DEGF	@
Rmc @ BHT	1.710 OHMM	@ 92.0 DEGF	@
Logging Speed	2000.0 F/HR		
EQUIPMENT DATA			
Tool Number 1	SHDS-B		
Tool Number 2	SHDC-A		
Tool Number 3	TCC-BB		
Tool Number 4	TCM-AB 1631		
Tool Number 5			
Tool Number 6			
Tool Number 7			
Tool Number 8			
Tool Number 9			
Tool Number 10			
Tool Number 11			
Tool Number 12			

REMARKS:

CORRELATED TO SWS INDUCTION LOG 8/14/93

MAIN LOG

SHDT CYBERDIP

STRUCTURAL DIP NOT REMOVED

MIRROR IMAGES NOT REMOVED

SPEED CORRECTION NOT APPLIED

NO KNUCKLE JOINT IS USED (SOFF = -1)

ACCUMULATED INTEGRATION VALUES SUMMARY:

Integrated Hole Volume:	391.066 F3	FROM 3043.50 F	TO 1941.00 F
Integrated Cement Volume:	269.697 F3	FROM 3043.50 F	TO 1941.00 F

(ASSUMING 4.50000 IN O.D. CASING)

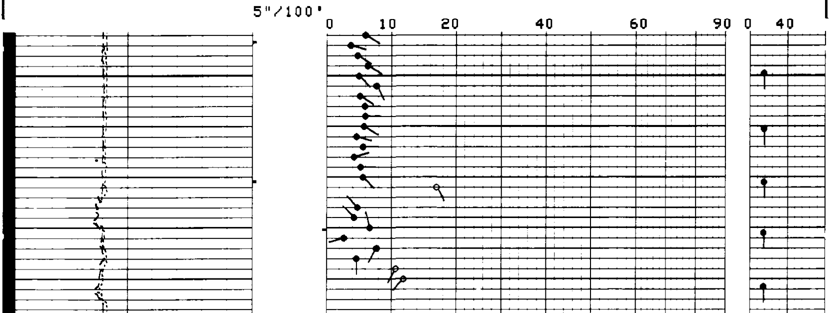
EVENT MARK SUMMARY:

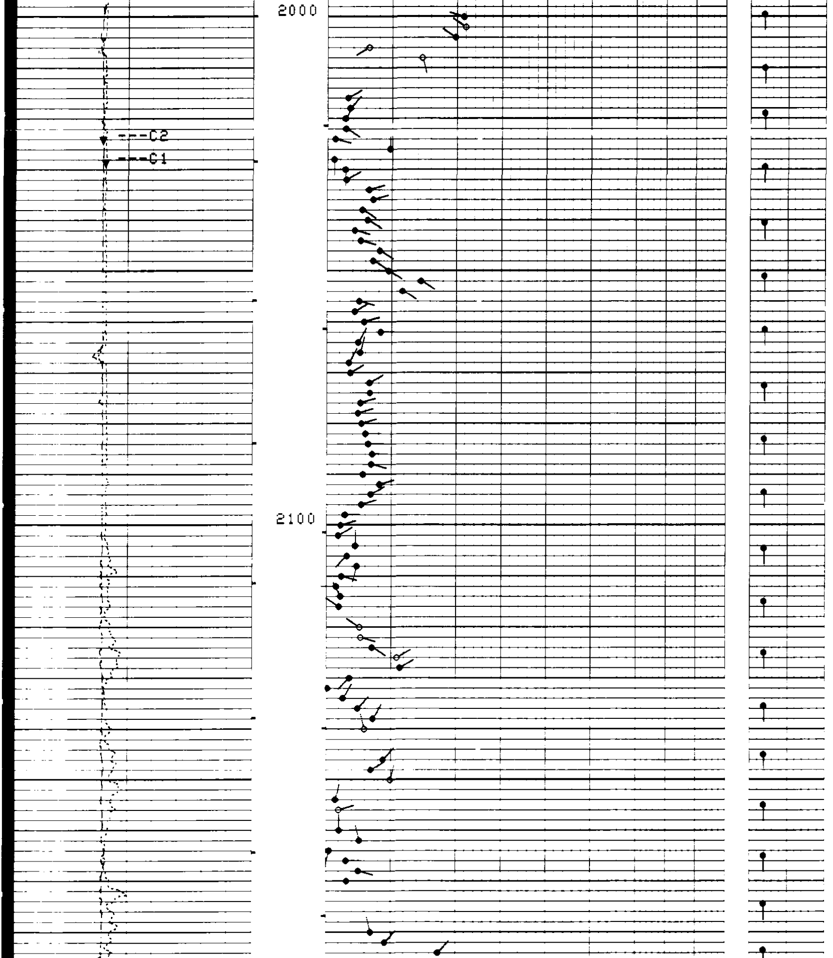
OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
Integrated Hole Volume	10.0000 F3	LEFT EDGE
Integrated Cement Volume	10.0000 F3	RIGHT EDGE

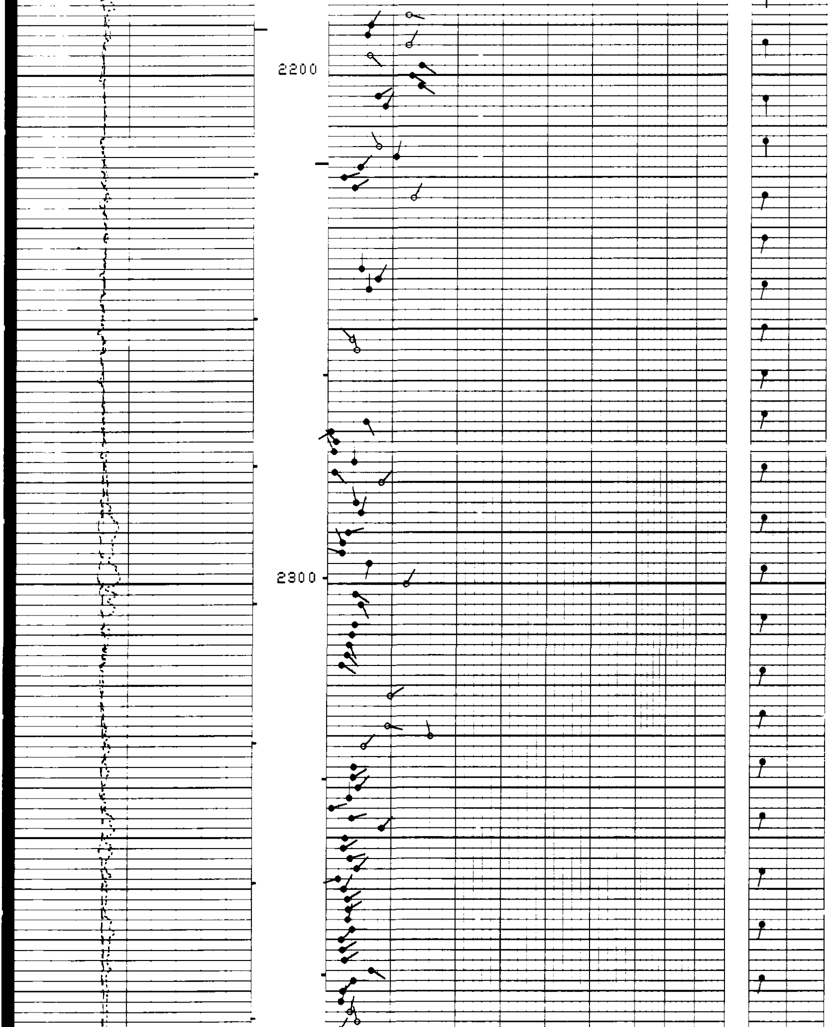
C2(IN)	
0.0	20.000

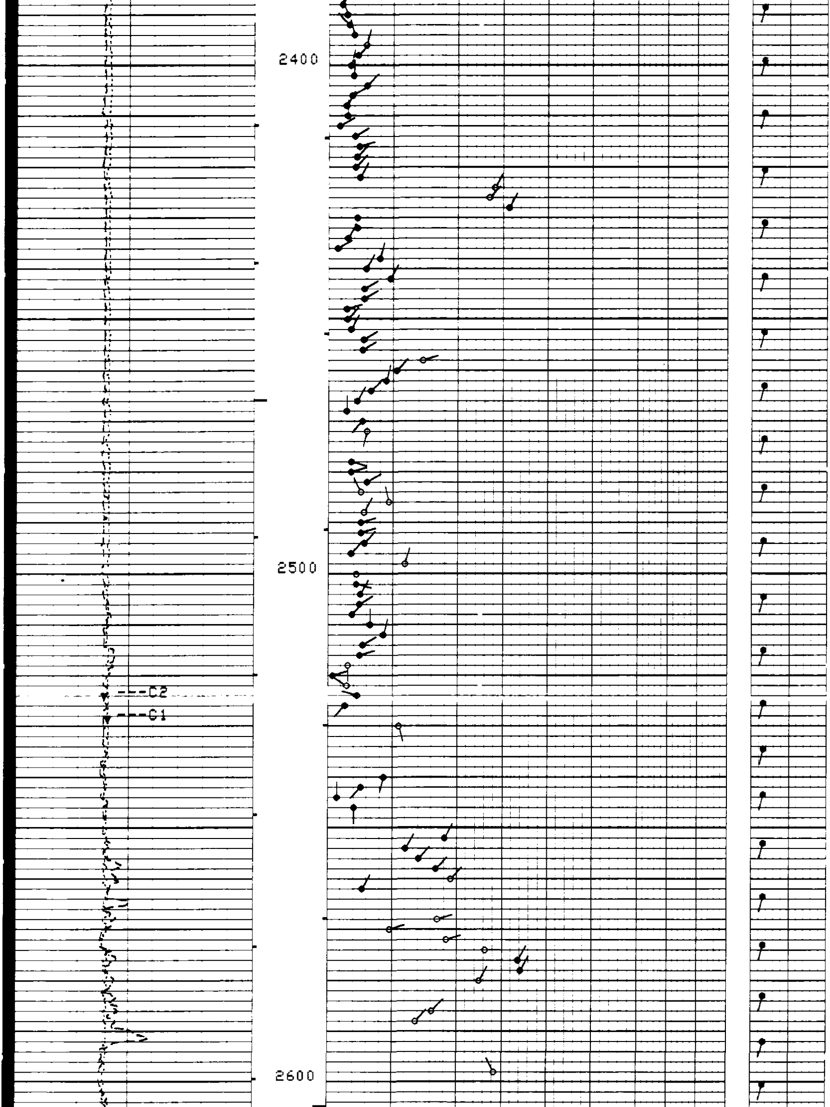
C1(IN)	
0.0	20.000

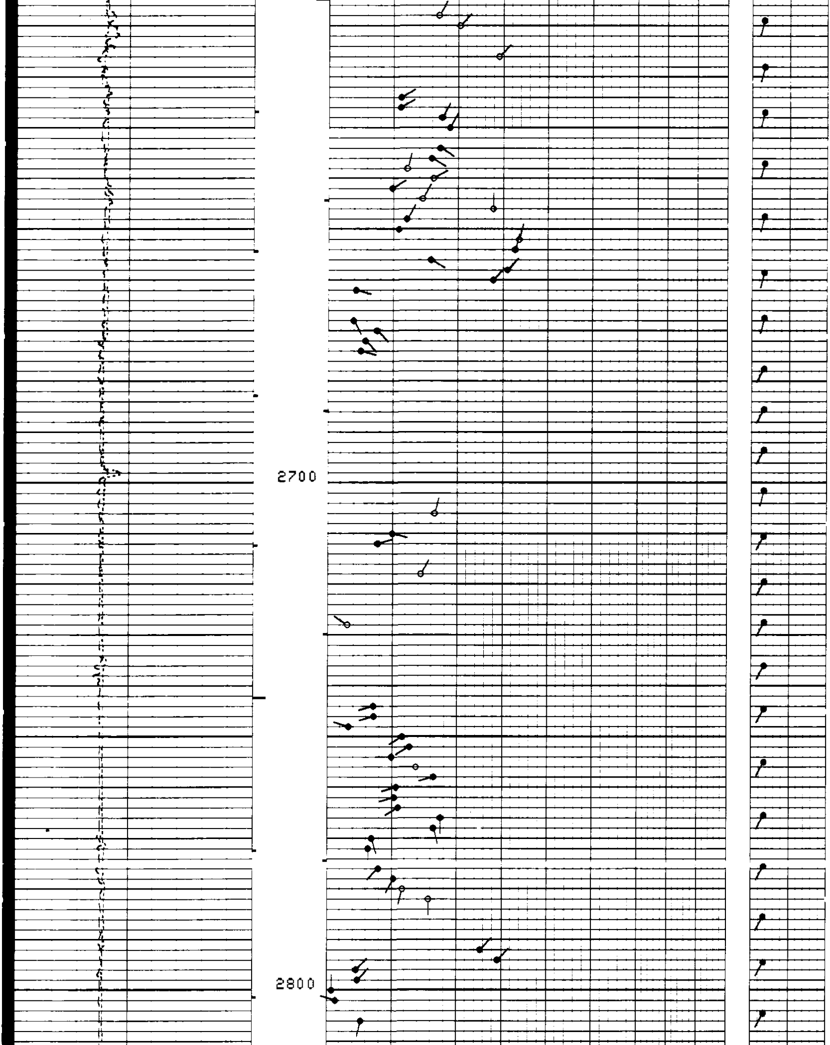
CP 38.2 FILE 15 14-AUG-1993 07:50 (UP)

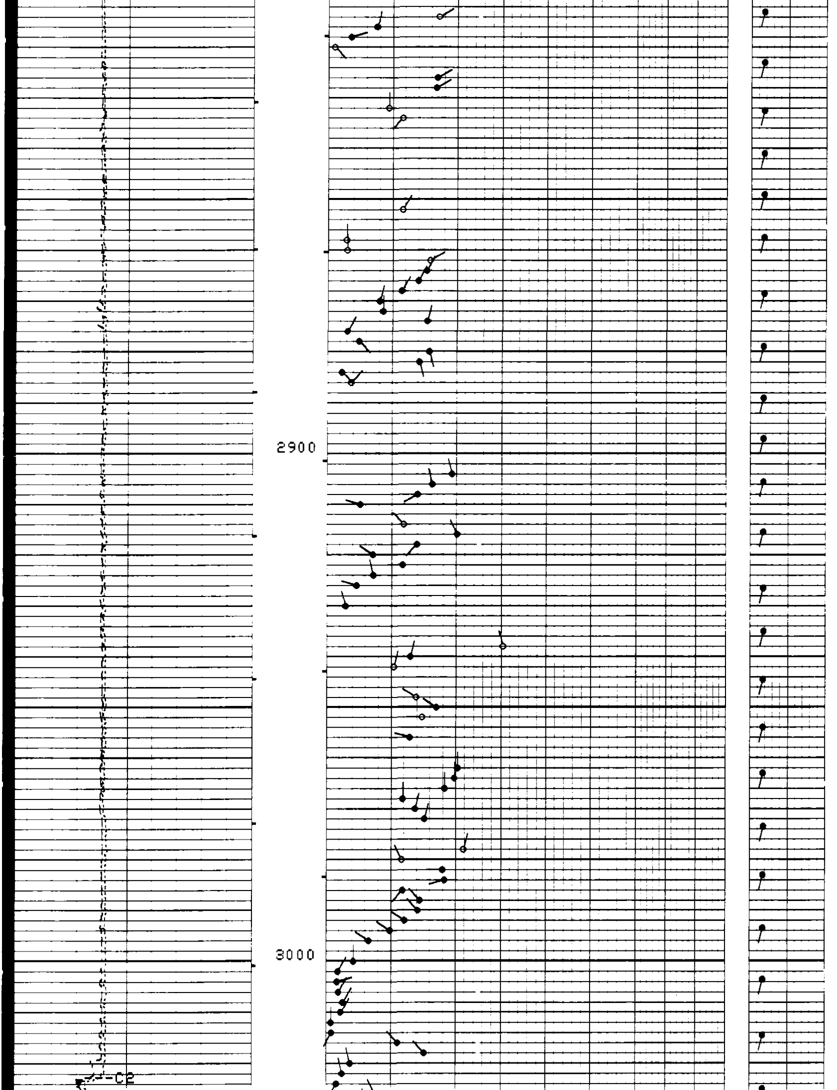


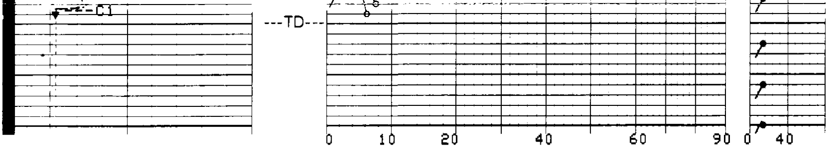












5"/100'

CP 38.2 FILE 15 14-AUG-1993 07:19 (UP)

C2(IN)
0.0 20.000
C1(IN)
0.0 20.000

SENSOR MEASURE POINT TO TOOL ZERO

TENS -10.8 FEET
ZB 1.3 FEET
RSHD 1.3 FEET
GR 26.5 FEET
SHDW 1.3 FEET

PARAMETERS

PARAMETER	VALUE	UNIT
PADT - Presentation Allow Disallow Threshold	.500000	DEG
MFIN - Magnetic Field Intensity	.540000	OER
MDEC - Magnetic Field Declination	19.0000	DEG
MINC - Magnetic Field Inclination	67.0000	DEG
SHDS - Stratigraphic HiRes Dipmeter Sonde	B	
SHDI - SHDT Inclinometer	BB	
VREF - Voltage Reference	-5.00000	V
FCDD - Fast Channel Depth Definition	1.	
SOFF - Stand Off	-1.00000	IN
IDFO - Input Data Format	RAW	
ODFO - Output Data Format	RAW	
ICMO - Inclinometry Computation Mode	AUTO	
AFMO - Accelerometer Filtering Mode	HAMM	
XMOD - EMEX Voltage Regulation Mode	AUTO	
XGAI - Gain Setting	2	
XOFF - Offset Setting	0	
NCJT - NGT Calibration Jig Type	GSRY	
FCD - Future Casing Diameter	4.50000	IN
SPCR - Speed Correction Constant	DISA	
DSCA - Deviation Scale	40	DEG
SBUT - Set of Buttons Selected	ALL	
INT - Correlation Interval Length	4.00000	F
STEP - Step Length between Correlations	2.00000	F
SPAN - Span of Correlation Sample	4	
SANG - S Wave Arrival Angle	35.0000	
DPAD - Disallowed Pad	AUTO	
DMAX - Maximum Dip Plotted	90	DEG
ELRA - Electrical Radius	.500000	IN
SDFA - Side-By-Side Distance Factor	.900000	
HQUA - High Quality Dip	14	
LQUA - Low Quality Dip	6	
STDI - Structural Dip	0.0	DEG
STDA - Structural Azimuth Value	0.0	DEG
CSBL - CSB Number of Levels	2	
BS - Bit Size	7.87500	IN
BHS - BoreHole Status (Open or Cased)	OPEN	

CALIBRATION SUMMARY

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              BEFORE SURVEY CALIBRATION SUMMARY


   PERFORMED:     14-AUG-1993 06:21
   PROGRAM FILE: TDIP   (VERSION    38.2    92/10/12  92/10/12)

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  SHDT              CALIPER CALIBRATION SUMMARY

             MEASURED                       CALIBRATED
           SMALL   LARGE                 SMALL      LARGE        UNITS
     C1    6.94   11.33                  8.00      12.00          IN
     C2    7.40   11.53                  8.00      12.00          IN

  SMALL: 14-AUG-1993 06:18 LARGE: 14-AUG-1993 06:20 COMP: 14-AUG-1993 06:20

     CP 38.2            FILE    8       14-AUG-1993 06:21
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COMPANY NAHAMA AND WEAGANT ENERGY CO.
WELL “JR BURGER JOHNSTON” #24-19-65
FIELD MIST
COUNTY COLUMBIA **STATE** OREGON

SCHL. FR 3027.0 F
SCHL. TD 3029.0 F
DRLR. TD 3044.0 F
Elev: KB 638.3 F
DF 637.3 F
GL 628.3 F

Schlumberger

HIGH RESOLUTION DIPMETER