OREGON DEPARTMENT OF GEOLOGY
AND MINERAL INDUSTRIES
OPEN-FILE REPORT O-81-26
1981

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PORTLAND, OREGON 97201

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Schlumberger

FOUR – ARM HIGH RESOLUTION CONTINUOUS DIPMETER

(COMPUTED)

COUNTY CLACKAMAS
FIELD or LOCATION 15-2S-8E
WELL OLD MAID FLAT NO. 7A
COMPANY FENIX & SCISSON

COMPANY FENIX & SCISSON INC.
WELL OLD MAID FLAT NO. 7A
FIELD OLD MAID FLAT AREA
COUNTY CLACKAMAS STATE OREGON
LOCATION: 2460'SOUTH & 2091'WEST
Other Services: DIL VDL BHC HRT FDC/CNL/GR
Sec. 15 Twp. 2S Rge. 8E
Permanent Datum: GL, Elev. 2760
Log Measured From GL, 0 Ft. Above Perm. Datum
Drilling Measured from GL
Elev.: K.B. – D.F. 2771.6 G.L. 2760

Date	9-29-80
Run No.	TWO
Depth—Driller	6027
Depth—Logger	5957
Btm. Log Interval	5936
Top Log Interval	1190
Casing—Driller	10¾" @ 1190
Casing—Logger	1190
Bit Size	9⅞
Type Fluid in Hole	WATER
Dens. | Visc.	
pH | Fluid Loss	ml
Source of Sample	CIRCULATION
Rm @ Meas. Temp.	12.7 @ 80 °F
Rmf @ Meas. Temp.	8.4 @ 80 °F
Rmc @ Meas. Temp.	8.8 @ 80 °F
Source Rmf Rmc	M M
Rm @ BHT	4.88 @ 208°F
Time Since Circ.	3 HOURS
Max. Rec. Temp.	220°F
Equip. | Location	8126 | SAC
Recorded By	KAISER/STEFANI
Witnessed By	PRIEST

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

Changes in Mud Type or Additional Samples				
Date | Sample No.				
Depth—Driller				
Type Fluid in Hole				
Dens. | Visc.				
ph | Fluid Loss	ml			
Source of Sample				
Rm @ Meas. Temp.	@ °F	@ °F		
Rmf @ Meas. Temp.	@ °F	@ °F		
Rmc @ Meas. Temp.	@ °F	@ °F		
Source: Rmf Rmc				
Rm @ BHT	@ °F	@ °F		
Rmf @ BHT	@ °F	@ °F		
Rmc @ BHT	@ °F	@ °F		

Run No.	1	2	3	4
Tool Type	HDT-D			
HDM No.	–			
Magnetic Declination	20°			
Analog Panel No.	–			
Digital Panel No.	752			
Correlated By	–			
Computed By	PCDCC			
Plotted By	PCDCC			
Remarks —	SERVICE ORDER NO. 135621			

"Any directional computations made from the dipmeter log must be regarded as approximate only. This is because the dipmeter log indicates the orientation of the instrument itself, rather than the direction and amount of the wall drift. Therefore, we do not and cannot guarantee the accuracy of such directional computations, and we shall not, except in the case of willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained that may result from any such computations."

TABLE OF VERTICAL DISPLACEMENT IN FEET CORRESPONDING TO VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

DIP ANGLES (degrees)	100'	1000'	1 mile (5280')	DIP ANGLES (degrees)	100'	1000'	1 mile (5280')
	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF				VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF		
1	1.75	17.5	92.2	19	34.4	344.	1818.
2	3.5	35.	184.	20	36.4	364.	1922.
3	5.2	52.	277.	21	38.4	384.	2027.
4	7.0	70.	369.	22	40.4	404.	2133.
5	8.8	88.	462.	23	42.5	425.	2241.
6	10.5	105.	555.	24	44.5	445.	2351.
7	12.3	123.	648.	25	46.6	466.	2462.
8	14.1	141.	742.	30	57.7	577.	3048.
9	15.8	158.	836.	35	70.0	700.	3697.
10	17.6	176.	931.	40	83.9	839.	4430.
11	19.4	194.	1026.	45	100.0	1000.	5280.
12	21.3	213.	1122.	50	119.2	1192.	6293.
13	23.1	231.	1219.	55	142.8	1428.	7540.
14	24.9	249.	1316.	60	173.2	1732.	9145.
15	26.8	268.	1415.	65	214.4	2144.	11323.
16	28.7	287.	1514.	70	274.8	2748.	14507.
17	30.6	306.	1614.	75	373.2	3732.	19705.
18	32.5	325.	1716.	80	567.1	5671.	29945.

To obtain vertical displacements corresponding to multiples of hundreds feet, thousands of feet or miles, multiply the number found in the table by the number of hundreds, thousands or miles.

Example: The formation dip is 16 degrees. The vertical displacement occurring at a spot 660 feet away from the well is desired. The table shows 28.7 feet per 100 feet for 16° dip. Therefore 28.7 x 6.60 = 189.42, or 189. feet.

GRAPHIC PRESENTATION

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FENIX & SCISSON INC.
OLD MAID FLAT #7A
OLD MAID FLAT AREA FIELD
CLACKAMAS COUNTY,OREGON
RUN NO. TWO         29-SEP-80
P.C.D.C.C.
ARROW PLOT FROM CLUSTER PROGRAM

CORRELATION LENGTH        4 FT.
STEP LENGTH               2 FT.
SEARCH ANGLE       70 DEGREES X1
HDT-G CSU DEC-10
JOB 4572.00
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POOLED ARROW PLOT
2 LEVELS POOLED WHEN WITHIN
3.5 DEGREES SOLID ANGLE
BLACK ARROWS ARE POOLED RESULTS

CORRELATION LENGTH      4 FT.
STEP LENGTH             2 FT.
SEARCH ANGLE      70 DEGREES X1
PC013002351830700102042O

ZONE FROM    1247    TO    5922
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ZONE FROM    5632    TO    5928
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CORRELATION CURVE | DEPTHS | TRUE DIP ANGLE AND DIRECTION 0° 10° 20° 30° 40° 50° 60° 70° 80° 90° | 0° 10° DRIFT & DIRECTION OF SONDE

COMPANY FENIX & SCISSON INC.
WELL OLD MAID FLAT NO. 7A
FIELD OLD MAID FLAT AREA
COUNTY CLACKAMAS STATE OREGON

Rm 12.7 @ 80 °F
Rmf 8.4 @ 80 °F
Rmc 8.8 @ 80 °F
BHT 208 °F

SCHL. FR 5936
SCHL. TD 5957
DRLR TD 6027
Elev.: KB – DF 2771.6 GL 2760