

Johnson 33-33-88



COMPANY OREGON NATURAL GAS CORPORATION
 WELL HOWARD JOHNSON 33-33
 FIELD OLNEY GAS
 COUNTY CLATSOP STATE OR

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Location 2036' NORTH & 2000' WEST FROM THE SOUTHEAST CORNER OF:
 Sec. 33 Two BN Rpt. 3W
 Other Services

Permanent Datum G.L. OR Elev. 500 Elev. K.B. 521
 Log Measured From K.B. OR 21 Ft. Above Perm. Datum D.E. 500 G.L. 500
 Drilling Measured From K.B.

Date 11-24-81
 Run No. ONE
 Depth Driller ONE
 Depth Welex ONE
 Depth Welex NOT LOGGED
 Bottom Log Meter 3600
 Total Log Meter 1150 @ 1018
 Casing Meter 10 374 @ 1018
 Casing Welex ONE LOGGED

Bit Size 0.2175
 Type Fluid in Hole LUBRICANT
 Dens. 1 Visc. 10.6 1.85
 pH Fluid Loss 10.5 1.40 ml
 Source of Sample CALCULATED
 Rm @ Meas. Temp. 1.4 @ 5.7 °F
 Rmt @ Meas. Temp. 1.1 @ 5.9 °F
 Rmc @ Meas. Temp. 1.1 @ 6.1 °F
 Source Rmt Rmc
 Rm @ BHT N/A °F @ BHT
 Rmt @ BHT 0.65 @ 128 °F
 Rmc @ BHT 0.57 @ 128 °F
 Time Since Circ. 0.6 @ 128 °F
 Max Rec. Temp. N/A °F @ BHT
 Equip. Location 2590 1 WOODLAND
 Recorded By PARMELEE
 Witnessed By N/A

Service Ticket No. 254969 Remarks

Date	Sample No.	I	I	Run No.	1	2	3	4
Depth - Driller				Tool Type	DIP			
Type Fluid in Hole				Tool Number	N/A			
Dens.	Visc.	I	I	Pad Type	FORXO			
pH	Fluid Loss	I	ml	Correlated By				
Source of Sample				Computed By				
Rm @ Meas. Temp.		@	°F	Remarks:				
Rmt @ Meas. Temp.		@	°F					
Rmc @ Meas. Temp.		@	°F					
Source: Rmt Rmc		I	I					
Rm @ BHT	0.65 @ 128 °F	@	°F					
Rmt @ BHT	0.57 @ 128 °F	@	°F					
Rmc @ BHT	0.96 @ 128 °F	@	°F					

Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel on which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible, except where due to gross negligence or willful misconduct, for any loss, damages, or expenses incurred therefrom.

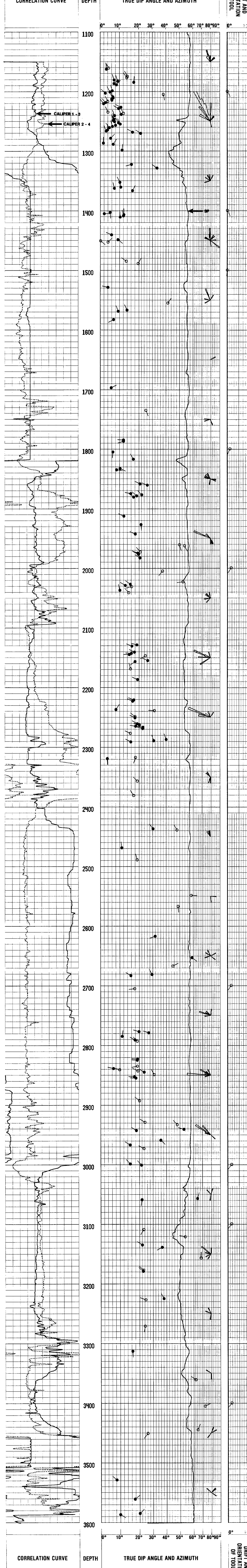
Magnetic Declination NORTH 21.5° EAST

TABLE OF CONSTANTS FOR DETERMINING VERTICAL DIFFERENCE AT VARIOUS DIP ANGLES

DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT
1	0175	11	.194	21	.384	35	.700
2	035	12	.213	22	.404	40	.839
3	052	13	.231	23	.425	45	1.000
4	070	14	.249	24	.445	50	1.192
5	088	15	.268	25	.466	55	1.428
6	105	16	.287	26	.487	60	1.732
7	123	17	.306	27	.509	65	2.144
8	141	18	.325	28	.531	70	2.748
9	158	19	.344	29	.554	75	3.732
10	.176	20	.364	30	.577	80	5.671

Vertical difference in feet is obtained by multiplying the constant for any given dip angle by the horizontal distance in feet.
 Example: Dip angle 10°. Horizontal distance 440 ft.
 Vertical difference = .176 x 440 = 77.44

GRAPHIC PRESENTATION



COMPANY	OREGON NATURAL GAS CORPORATION	T.D. LOGGED	3600
WELL	HOWARD JOHNSON 33-33	T.D. DRILLER	10006
FIELD	OLNEY GAS	T.D. WELEX	NOT LOGGED
COUNTY	CLATSOP STATE OREGON	ELEV: K.B.	521
		D.F.	
		G.L.	500