FORM 722.0 (8-62) PRINTED IN U.S.A. Scanned

SCHLUMBERGER

POTECLINOMETER

CONTINUOUS DIPMETER

(COMPUTED)

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY LINN
FIELD or LOCATION 7-12S-1W
WELL ESMOND NO. 1
COMPANY RESERVE OIL &

COMPANY RESERVE OIL & GAS COMPANY

WELL ESMOND NO. 1

FIELD LEBANON

COUNTY LINN STATE OREGON

LOCATION 1194'N & 575'W OF S¼ CORNER.

Sec. 7 Twp. 12S Rge. 1W

Other Services: 1-ES

Permanent Datum: ______, Elev. ______
Log Measured From ______, ______ Ft. Above Perm. Datum
Drilling Measured From ______

Elev.: K.B. 487
D.F. ______
G.L. ______

Date	9/3/62			
Run No.	ONE			
Depth—Driller	8535			
Depth—Logger	8538			
Btm. Log Interval	8535			
Top Log Interval	891			
Casing—Driller	@ 891	@	@	@
Casing—Logger	891			
Bit Size	9⅞			
Type Fluid in Hole	CLAY			
Dens. | Visc.	115 50			
pH | Fluid Loss	9.0 4.7 ml	ml	ml	ml
Source of Sample				
R_m @ Meas. Temp.	.9 @ 103°F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	.39 @ 158°F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	.9 @ 158°F	@ °F	@ °F	@ °F
Source: R_{mf} R_{mc}				
R_m @ BHT	.58 @ 158°F	@ °F	@ °F	@ °F
Time Since Circ.				
Max. Rec. Temp.	158 °F	°F	°F	°F
Equip. | Location	1510 SAC			
Recorded By	ANDERSEN			
Witnessed By	D'OLIER			

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 31

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		
R_m @ Meas. Temp.	@ °F	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F
Source: R_{mf} R_{mc}		
R_m @ BHT	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F
R_{mc} @ BHT	@ °F	@ °F

Run No.	Tool Type	DCM No.	Magnetic Declination	Computed By
ONE	CDM-P	213	20°E	O'DONNELL (BK)

REMARKS UG & SAH USED.

"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 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

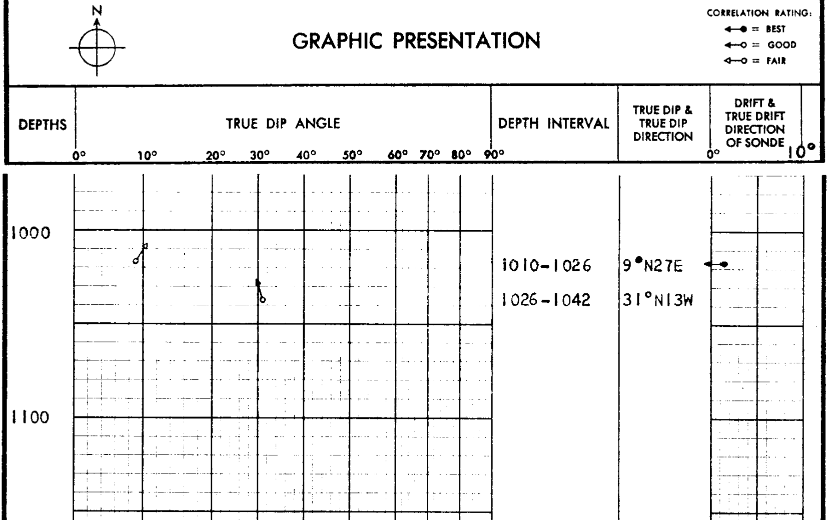
DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF 100′	1000′	1 mile (5280′)
1	1.75	17.5	92.2
2	3.5	35.	184.
3	5.2	52.	277.
4	7.0	70.	369.
5	8.8	88.	462.
6	10.5	105.	555.
7	12.3	123.	648.
8	14.1	141.	742.
9	15.8	158.	836.
10	17.6	176.	931.
11	19.4	194.	1026.
12	21.3	213.	1122.
13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

CORRELATION RATING:
←● = BEST
←○ = GOOD
←o = FAIR



DEPTH INTERVAL	TRUE DIP & TRUE DIP DIRECTION
1010-1026	9°N27E
1026-1042	31°N13W

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

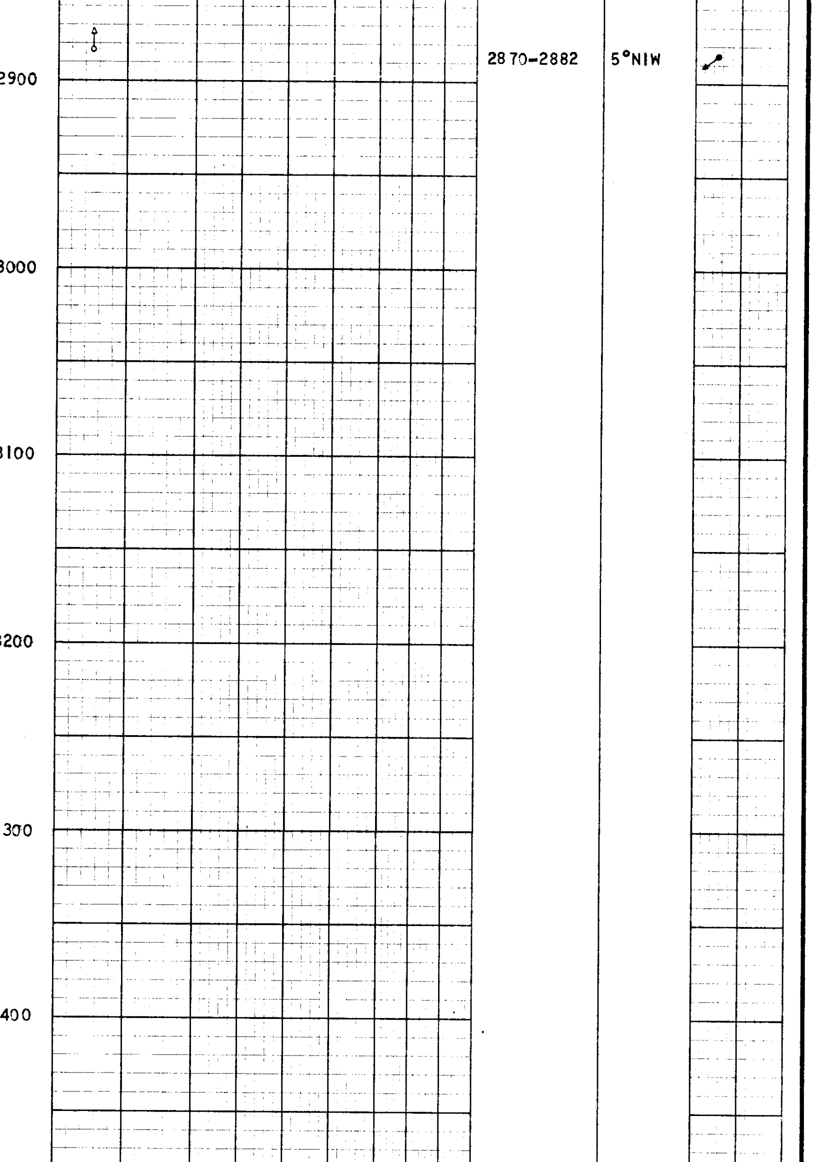
2400

2500

2600

2700

2800



500

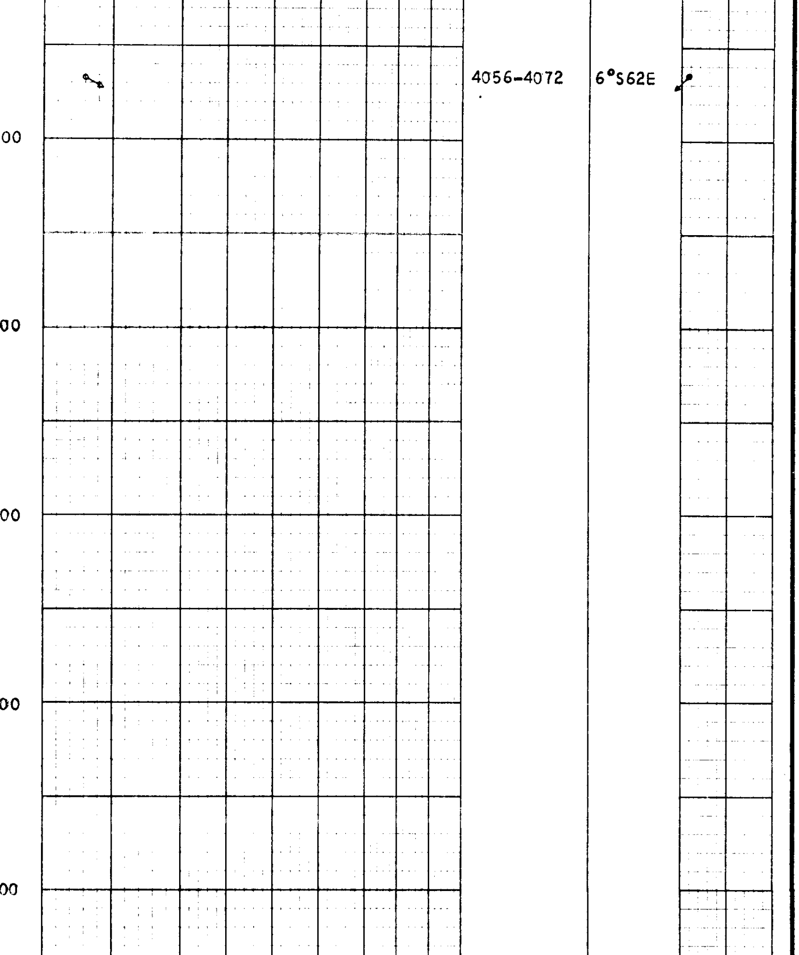
600

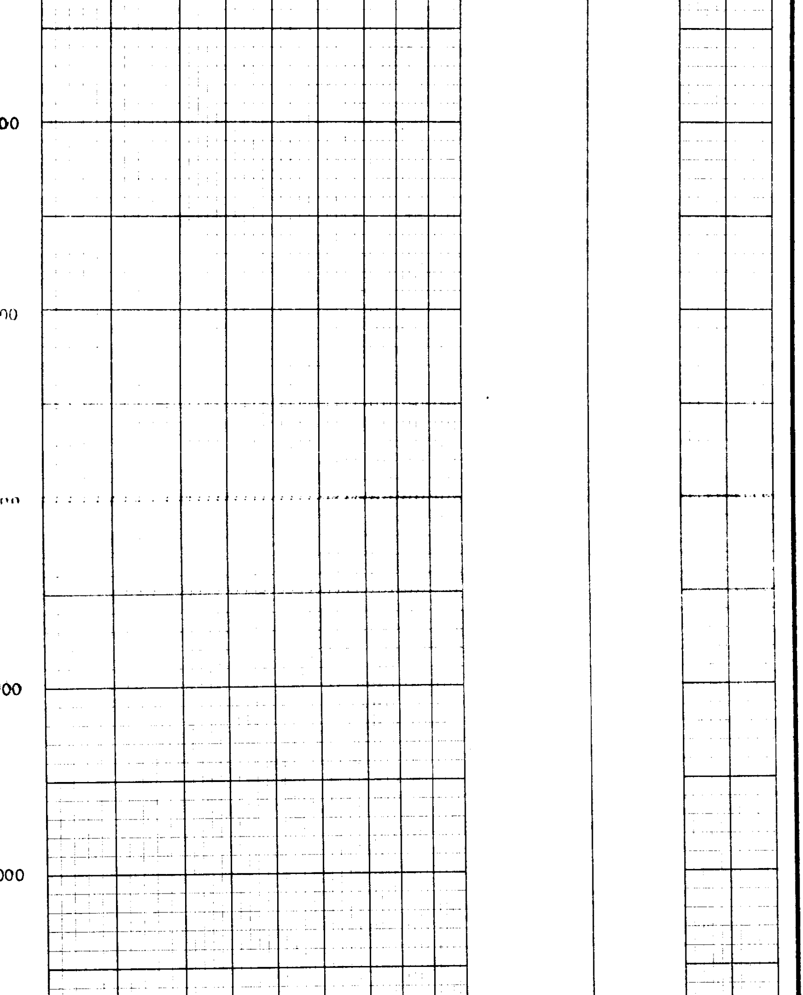
700

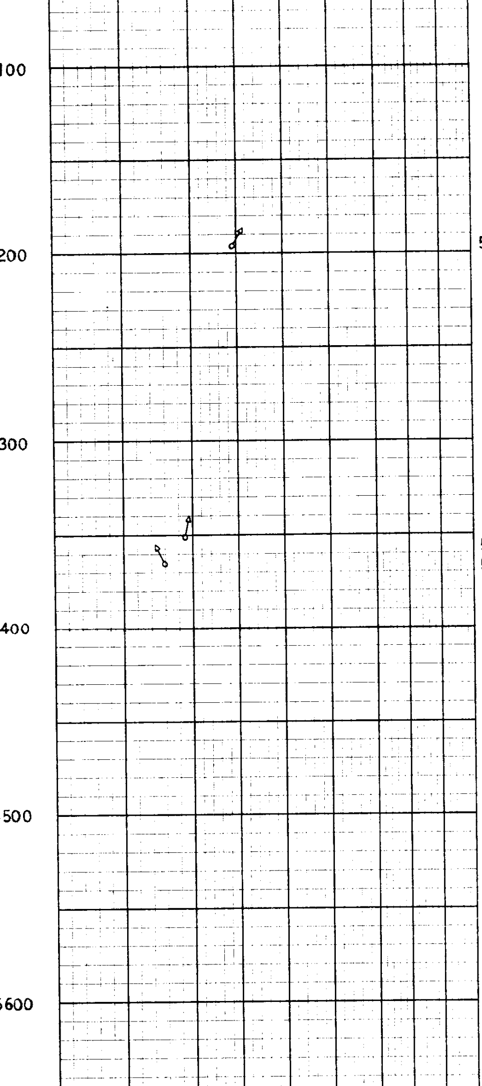
800

900

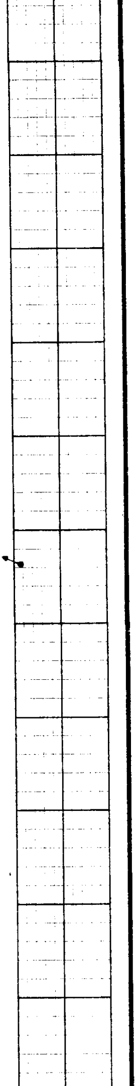
00

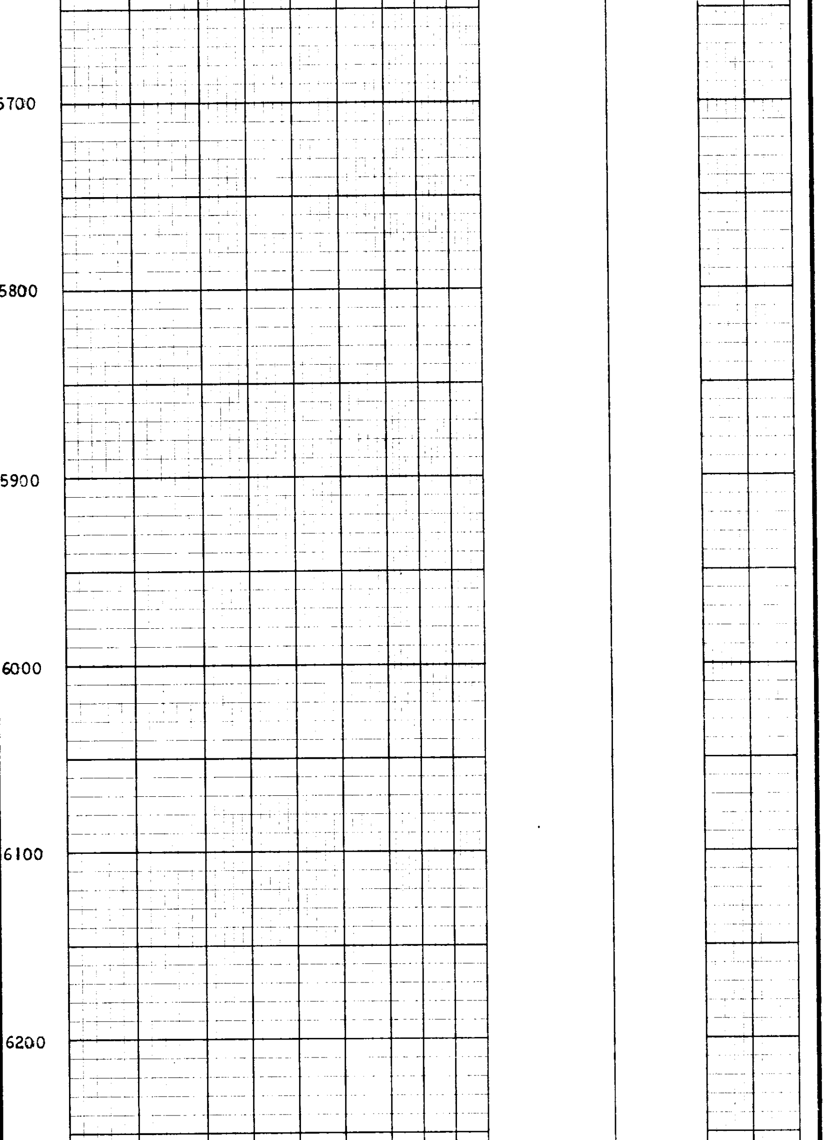


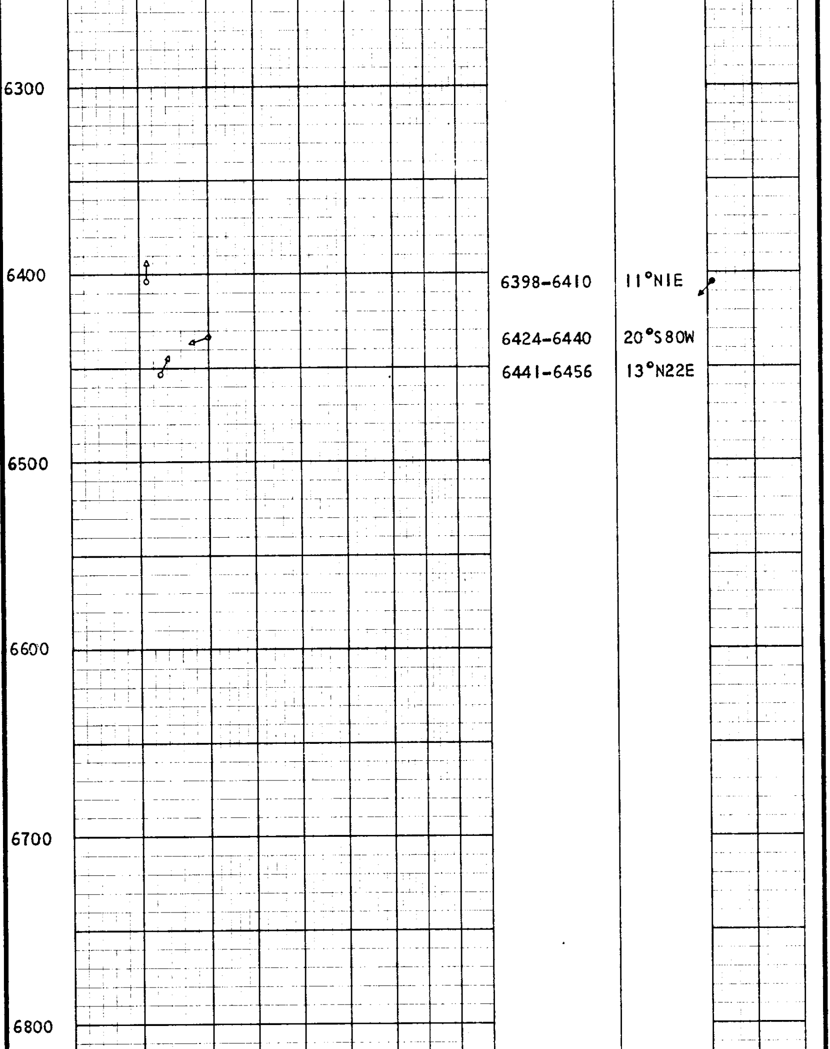




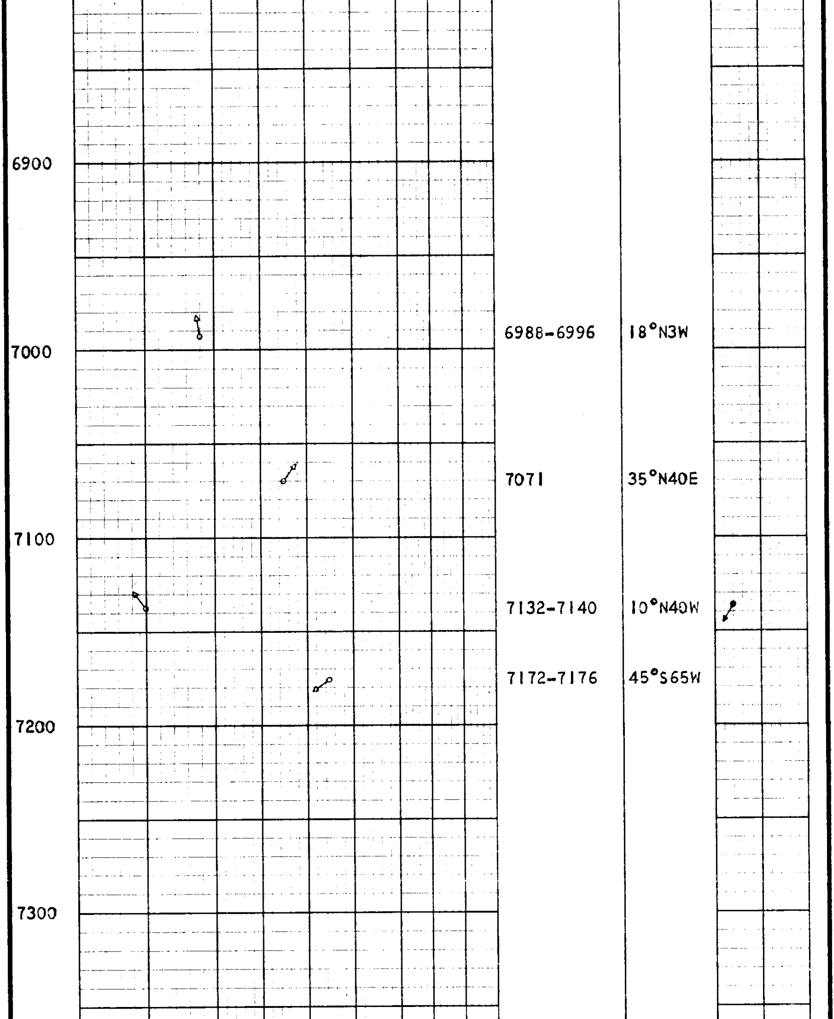
5188-5198	29°N29E
5350-5359	19°N4E
5360-5367	16°N18W



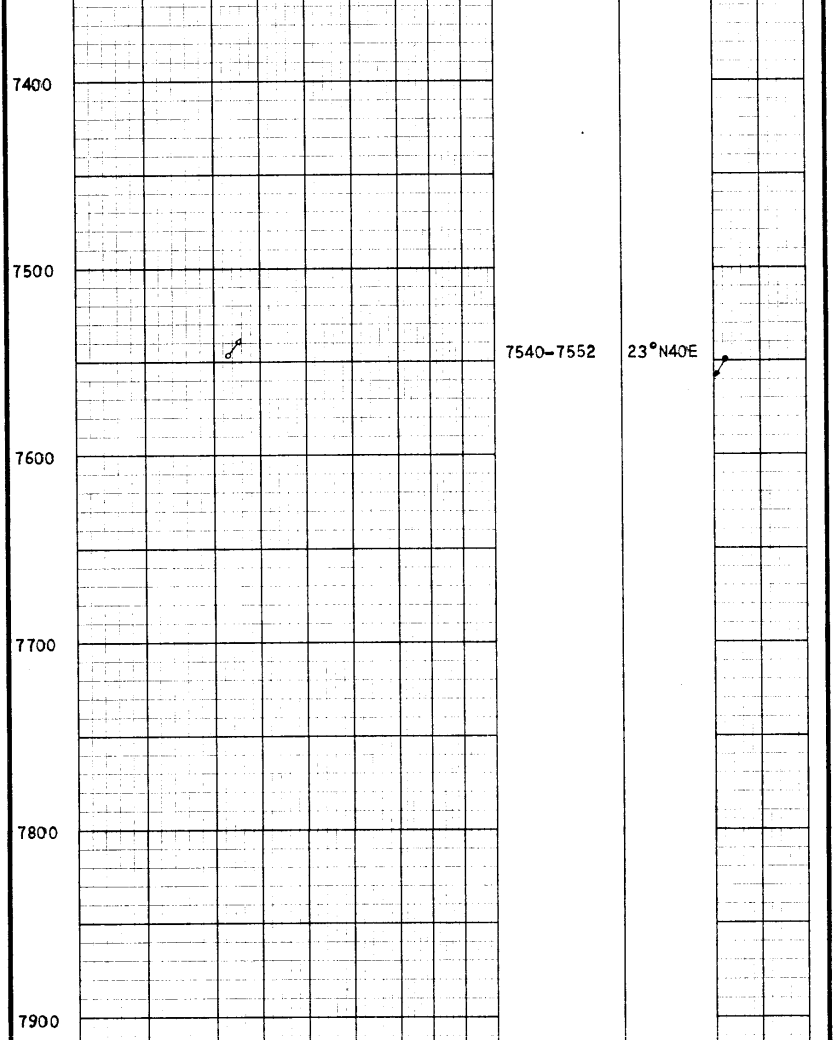


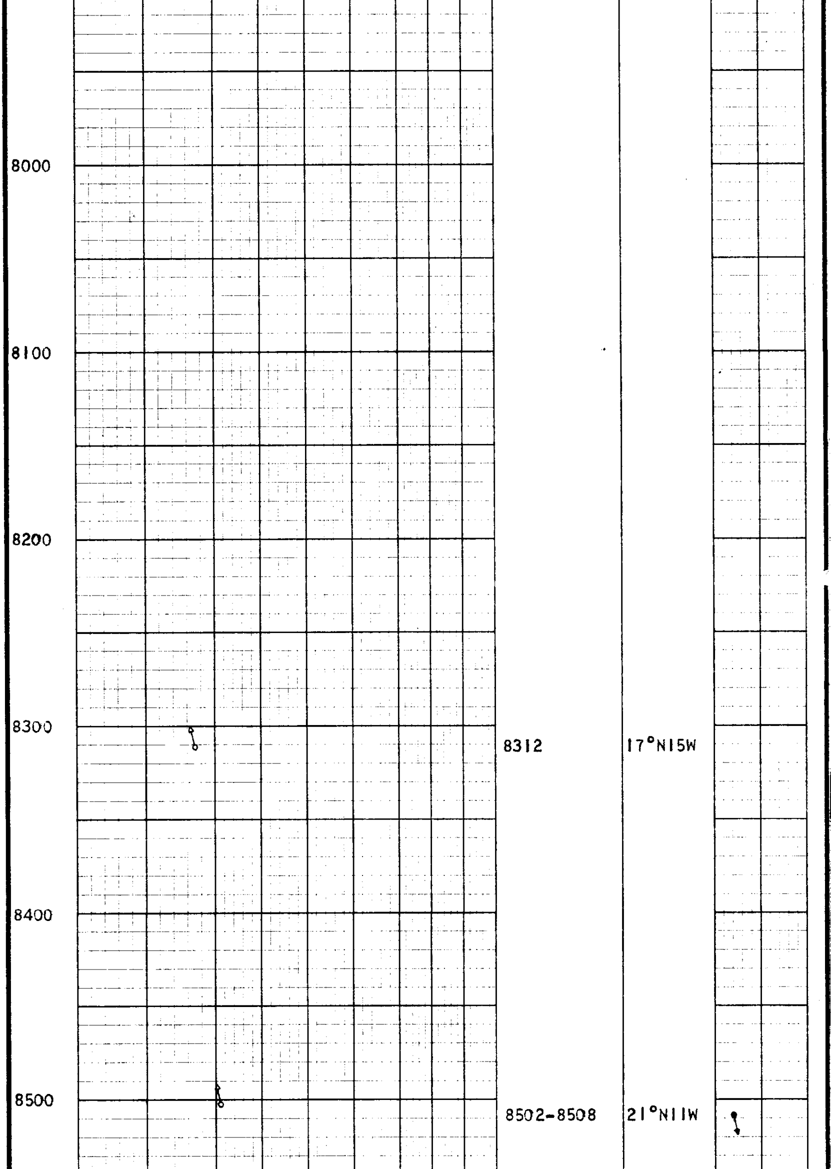


6398-6410	11°N1E
6424-6440	20°S80W
6441-6456	13°N22E



6988-6996	18°N3W
7071	35°N40E
7132-7140	10°N40W
7172-7176	45°S65W





DEPTHS	0° 10° 20° 30° 40° 50° 60° 70° 80° 90° TRUE DIP ANGLE	DEPTH INTERVAL	TRUE DIP & TRUE DIP DIRECTION	0° DRIFT & TRUE DRIFT DIRECTION OF SONDE	0

COMPANY RESERVE OIL & GAS COMPANY

WELL ESMOND NO. 1

FIELD LEBANON

COUNTY LINN **STATE** OREGON

Rm .9 @ 103 °F
Rmf .39 @ 158 °F
Rmc . @ 158 °F
BHT 158 °F

SWSC FR 8535
SWSC TD 8538
DRLR TD 8535
Elev:
KB 487
DF
GL