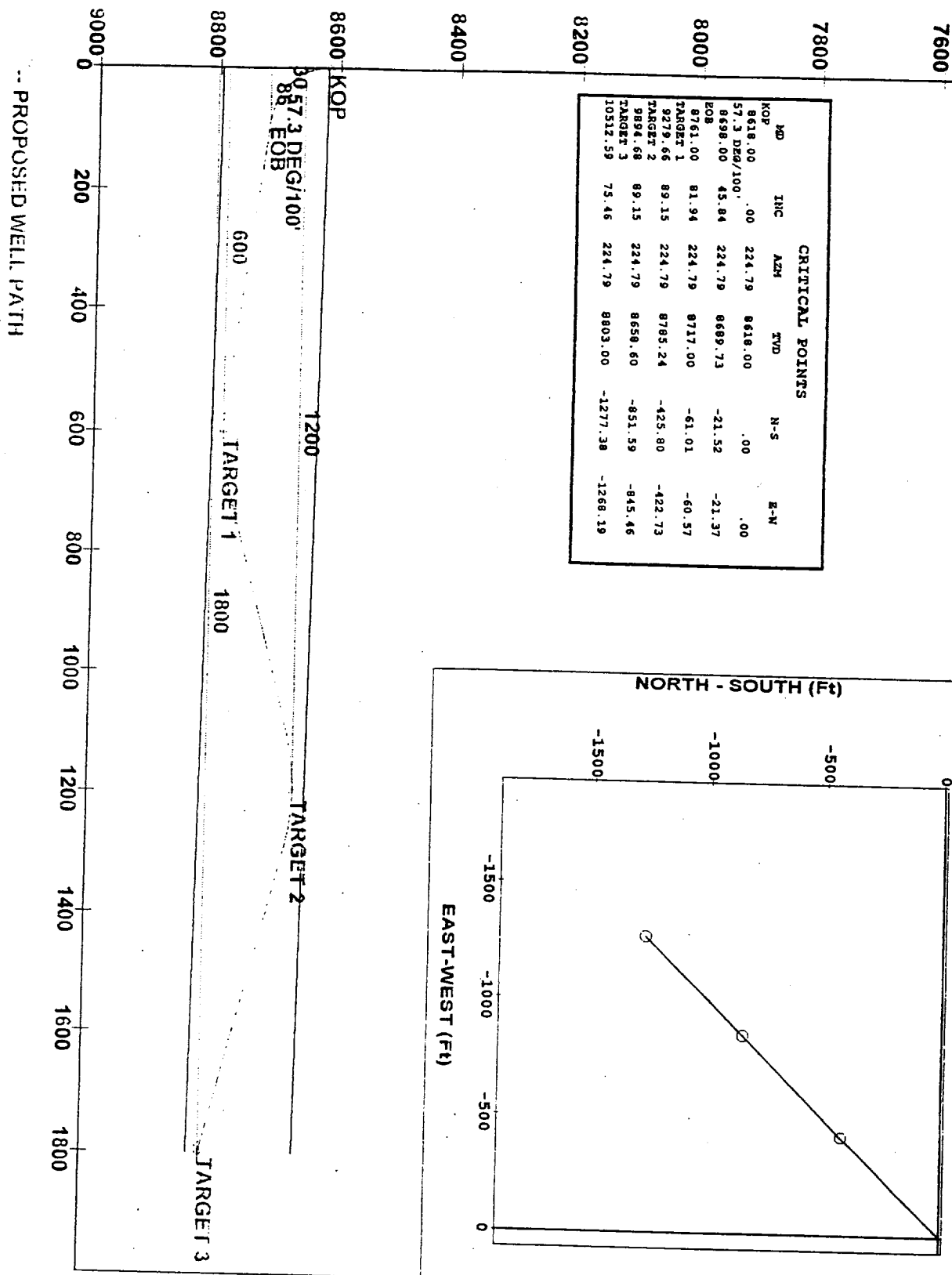
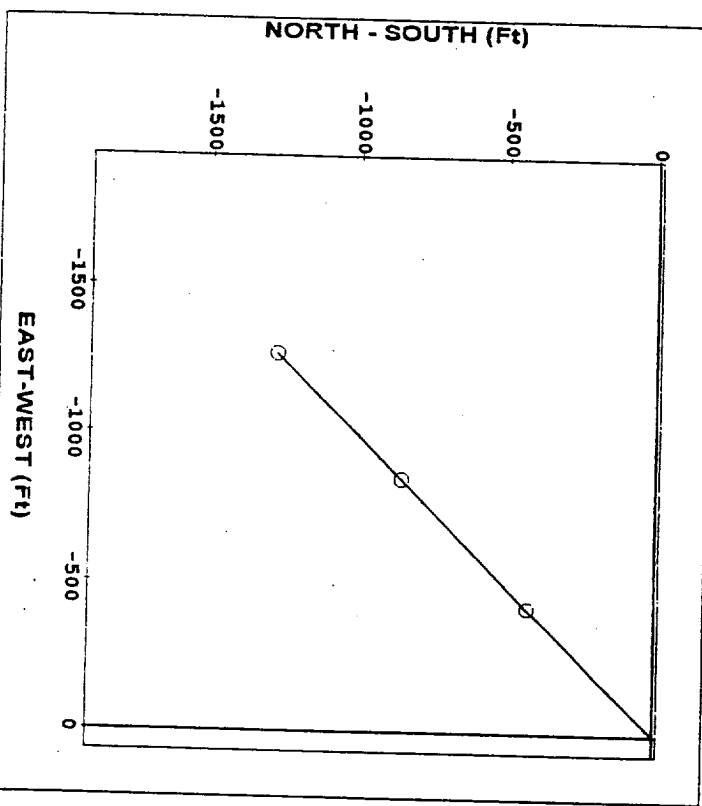


Company: IEXACO E & P, INC.
 Lease/Well: NORTH VACUUM ABO WEST UNIT #26 H
 Location: LEA COUNTY, NEW MEXICO
 File name: C:\SURVEY\NAVU#27.SVY
 Date/Time: Tuesday, September 10, 1996

CRITICAL POINTS					
MD	INC	AZM	TVD	N-S	E-W
KOP	8618.00	.00	224.79	8618.00	.00
57.3 DEG/100'	8698.00	45.84	224.79	8689.73	-21.52
EOB	8761.00	81.94	224.79	8717.00	-61.01
TARGET 1	9279.66	89.15	224.79	8785.24	-425.80
TARGET 2	9884.68	89.15	224.79	8658.60	-851.59
TARGET 3	10512.59	75.46	224.79	8803.00	-1277.38



VERTICAL SECTION (Ft) @ 224.79°

Schlumberger

Dowell

CemDABE Cement Test Report

December 1, 1996

DATE OF TEST : 01-dec-1996

TEST NUMBER : NPD685900001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : NORTH VAC ABO 26

CEMENT
Class : H
Blend :
Brand : LONESTAR
Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
Volume : 3.40 gal/sk
Type : LO
Total liquid : 3.40 gal/sk

SLURRY

Density : 17.50 lb/gal
Yield : 0.94 ft³/sk

B.H./S.T. : 165.0 F

B.H./C.T. : 132.0 F

ADDITIVES

Code	Concent.	Unit
D013	0.300	% BWOC
D065	0.500	1% BWOC

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

T_y : 7.687 lbf/100ft²

P_0 : 166.567 cP

Correlation coefficient : 1.000

Thickening Time : 1 hr 6 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Rheological data

Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	175.0	0.0
200.0	115.0	0.0
100.0	65.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	11.0	0.0
3.0	9.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
10 minutes Gel : 0.0		

Compressive strength

PSI	Hours	Temp. (F)
0	0.0	165.0
0	0.0	0.0
0	0.0	0.0

Comment :

FIELD BLEND (BATCH MIXED 30 MIN)

H + 0.5%D65 + 0.3%D13

LOCATION WATER USED

WHIPSTOCK PLUG 8850' POD = 0:45