[redacted]

ARKLA EXPLORATION STATE CORE TEST #32
S½NE Sec 18-T16N-R23E, Navajo Co. 9-16

County Navajo

Area

Lease No.

Well Name ARKLA EXPLORATION COMPANY STATE CORE TEST #32 W. S. #2

Location ~~SW/NE~~ irreg. sec. SW/SW/NE Sec 18 Twp 16N Range 23E Footage 1980 FNL - 4010 FWL

Elev 5394 Gr KB Spud Date 5-5-65 Completed Abandon 5-15-65 Total Depth 1255

Contractor Sojourner

Drilled by Rotary
Cable Tool

Casing Size	Depth	Cement

Production Horizon

Initial Production

REMARKS

Elec Logs GRN-3, Nuclear-2, Survey Report

Applic. to Plug Plugging Record Completion Report

Sample Log
Sample Descript.
Sample Set
Core Analysis
DSTs

Water well accepted by

Bond Co. & No.

Bond Am't $ Cancelled Date Organization Report

Filing Receipt Dated Well Book Plat Book

Loc. Plat Dedication

API No. 02-017-00260

Permit Number Date Issued

#9-16

ARKLA EXPLORATION COMPANY

Drilling Record

WELL NAME: STATE CORE TEST #32

WELL LOCATION: C-SW/SW/NE SEC 18-16N-23E

WELL ELEVATION: 5401 ' KB

CONTRACTOR: SOJOURNER DRILLING COMPANY

SPUD DATE: 5-5-65 - 6:00PM

SIZE HOLE DRILLED: 13¾ " to 55 '

TYPE DRILLING FLUID: FLO SOL

SURFACE CASING:
Size 10¾ ", Wt. 32.75 #, No. Sacks Cement 35
Cementing Depth: 53 '

SIZE HOLE DRILLED: 8¾ "

TYPE DRILLING FLUID: FLO SOL

INTERMEDIATE CASING:
Size 7 ", Wt. 20 #, No. Sacks Cement 30
Cementing Depth 852

SIZE HOLE DRILLED OR CORED:
6¼ " from 852 ' to 1255 ' SEE BELOW
" from ' to '
" from ' to '
" from ' to '

DRILL STEM TESTS:
NONE

NO. BITS USED: 2

ELECTRIC LOGS RAN:
Type McCULLOUGH GRN from 1255 ' to 0 '
from ' to '

ABANDONMENT PLUGS:
No. Sacks Cement 65 from 1075 ' to 775 '
from ' to '

WAS CASING RECOVERED?
Depth Shot LEFT IN WELL TO BE RECOVERED, LATER. '
No. Feet Recovered '
No. Feet Not Recovered '

DATE DRILLING RIG RELEASED: 5-15-65 11:00PM

COMPANY REPRESENTATIVE: J.S. BALDRY

SPECIAL NOTES: Unusual drilling problems encountered, etc.
DRILLED TO 872 - WHIPSTOCKED HOLE AND DRILLED & CORED TO 1001. STRAIGHTENED HOLE @ 875 AND DRILLED TO 897 - SET WHIPSTOCK AND DRILLED AND CORED WHIPSTOCKED HOLE TO 1010. STRAIGHTENED HOLE AT 908 AND DRILLED AND CORED STRAIGHT HOLE TO 1255.

ARKANSAS OIL & GAS COMMISSION
RECEIVED
MAY 17 1965
GEOLOGICAL

COPY MADE FROM FILE

#9-16

WELL NAME: ARKLA EXPLORATION COMPANY ~~AMA~~ CORE TEST #32

State

LOCATION:

ELEVATION:

0-10'	90% SD MCSEONCON, 10% PURP SH.
10-20'	80% AA, AA, 20% AA.
20-30'	100% AA AA, SL CGL.
30-40'	90% AA , SL CGL, 10% PURP SH.
40-50'	90% AA, AA, 10% AA.
50-60'	20% AA, AA, 80% AA.
60-70'	10% AA F, 90% BR SH.
70-80'	100% BR AND RED SH.
80-90'	100% RED & GRN SLT.
90-00'	80% AA, AA, AA, 20% RED SH.
100-10'	80% AA SLT 20% AA AA.
10-20'	10% SD VF GRN, 90% AA, AA.
20-30'	30% AA, AA & RED, 70% AA, AA.
30-40'	90% F GRA BR, 10% RED SH.
40-50'	10% AA, AA, 90% AA, AA, AA.
50-60'	10% AA, AA, 90% AA.
60-70'	100% F AA.
70-80'	10% VF, 90% AA.
80-90'	60% RED & GRN SLT, 40% RED SH.
90-00'	10% AA, RED 90% AA, AA, AA.
200-10'	90% SD RED & GRN VF SLTY, 10% GYY-SEL.
10-20'	100% AA, AA, AA, AA, AA.
20-30'	90% AA, AA, AA, AA, 10% AA, AA.
30-40'	80% RED SH & SLT 20% GYP, SEL.
40-50'	90% AA AA & AA, 10% AA AA.
50-60'	50% SD VF RED SLTY, 30% GRN & WHT VF, 20% AA.
60-70'	90% RED SH & SLT, 10% GYP SEL.

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#9-16

70-80'	30% GYP, SEL.
70-80'	30% GYP, SEL.
80-90'	80% RED SLT, 20% GYP-SEL.
90-00'	95% RED & GRN SLT, 5% GYP-SEL.
300-10'	70% AA, AA, AA, 30% AA, AA.
10-20'	30% AA, AA, 60% RED SH, 10% AA, AA.
20-30'	50% AA, AA, 50% AA, AA.
30-40'	30% AA, AA, 70% AA, AA.
40-50'	100% SD LT RED BR F.
50-60'	30% RED SLT, 20% RED SH.
60-70'	50% SD LT RED, DK RED BR, F-VF.
70-75'	30% VLT BR GRA-WH LS DNS TO SDY PYR.
75-80'	WHT F-M SL CGL SAND SUB ANGULAR LO PYR.
80-630'	AA.
30-40'	90% SD F WHT TO VLT PINK, 10% RED SH.
40-50'	90% AA, AA AA AA, 10% AA AA.
50-60'	100% AA AA VLT BR WHT.
60-70'	90% AA AA VLT BR, 10T RED SH.
70-80'	80% AA LT RED BR, 20% AA AA.
80-90'	70% AA AA RED BR, 30% AA AA.
90-00'	80% AA AA, 20% AA AA.
700-10'	80% AA AA AA, 20% AA AA.
10-20'	90% AA AA, 10% AA [illegible]
20-30'	100% AA AA VLT BR WHT
30-40'	100% AA AA AA AA.
40-50'	100% AA AA AA AA TR RED.
50-60'	95% AA AA LT BR, BR WHT TR RED 5% RED SH.
60-70'	100% AA AA LT RED BR, BR WHT TR RED.
70-80'	100% AA AA AA RED BR TR WHT.
80-90'	100% AA AA AA AA.

90-00'	90% AA AA AA, 10% LS WHT-GRA MXLN.
800-10'	100% AA AA AA TR RED & WHT.
10-20'	40% AA AA, 50% RED SLT, 10% RED SH.
20-30'	40% AA AA LT RED BR & WHT HD, 40% RED SLT, 20% HD WHT LS.
30-35'	100% HD BR DOLO & SDY DOLO.
35-50'	50% SD VF-F CALC, 50% BR SDY DOLO.
50-55'	100% RED SLT.
55-60'	100% ANHY.
60-65'	AA.
65-70'	100% RED SLT & SH.
70-75'	100% AA AA.
75-80'	70% AA AA, 30% ANHY.
80-85'	80% AA AA, 20% AA.
85-90'	100% AA AA.
90-95'	100% AA AA.
95-00'	70% AA AA, 30% ANHY.
900-05'	100% ANHY.
05-10'	AA.
10-15'	AA.
15-20'	40% RED SLT & SH, 60% ANHY.
20-25'	100% AA AA.
25-30'	80% AA AA, 20% ANHY.
30-35'	90% AA AA, 10% AA.
35-40'	100% ANHY.
40-45'	80% RED SH, 20% ANHY.
45-50'	100% SALT.

CORE #1 958-1010-52'

958-60 SALT (KCL); 60-66 SALT 10% SH & ANHY; 66-75 SALT (KCL) 10% SH; 75-79; SALT-40% SH; 79-87 SALT, 20% SH; 87-92 SALT, 10% SH & ANHY; 92-95 SALT, 30% SH; 95-99 SH, 30% SALT,; 99-1010 SALT CLEAR TRS SH & ANHY.

WHIPSTOCK #1, CORE #1

1½' WHT SALT; 5½' SALT, 40% SH; 4' SALT 20% SH; 1' SALT, 30% SH; 12'11" SALT, 10% SH.

WHIPSTOCK #1, CORE #2

976-977 SALT, KCL; 77-78 SALT-20% SH; 78-83 SALT, 30% SH; 83-84 SALT, 20% SH; 84-87 SALT, 10% SH & ANHY; 97-95½ SALT TR SH & ANHY; 95½-98'2" SALT, 30% SH; 98'2"-1000'2" SH, 40% SALT.

WHIPSTOCK #2, CORE #1

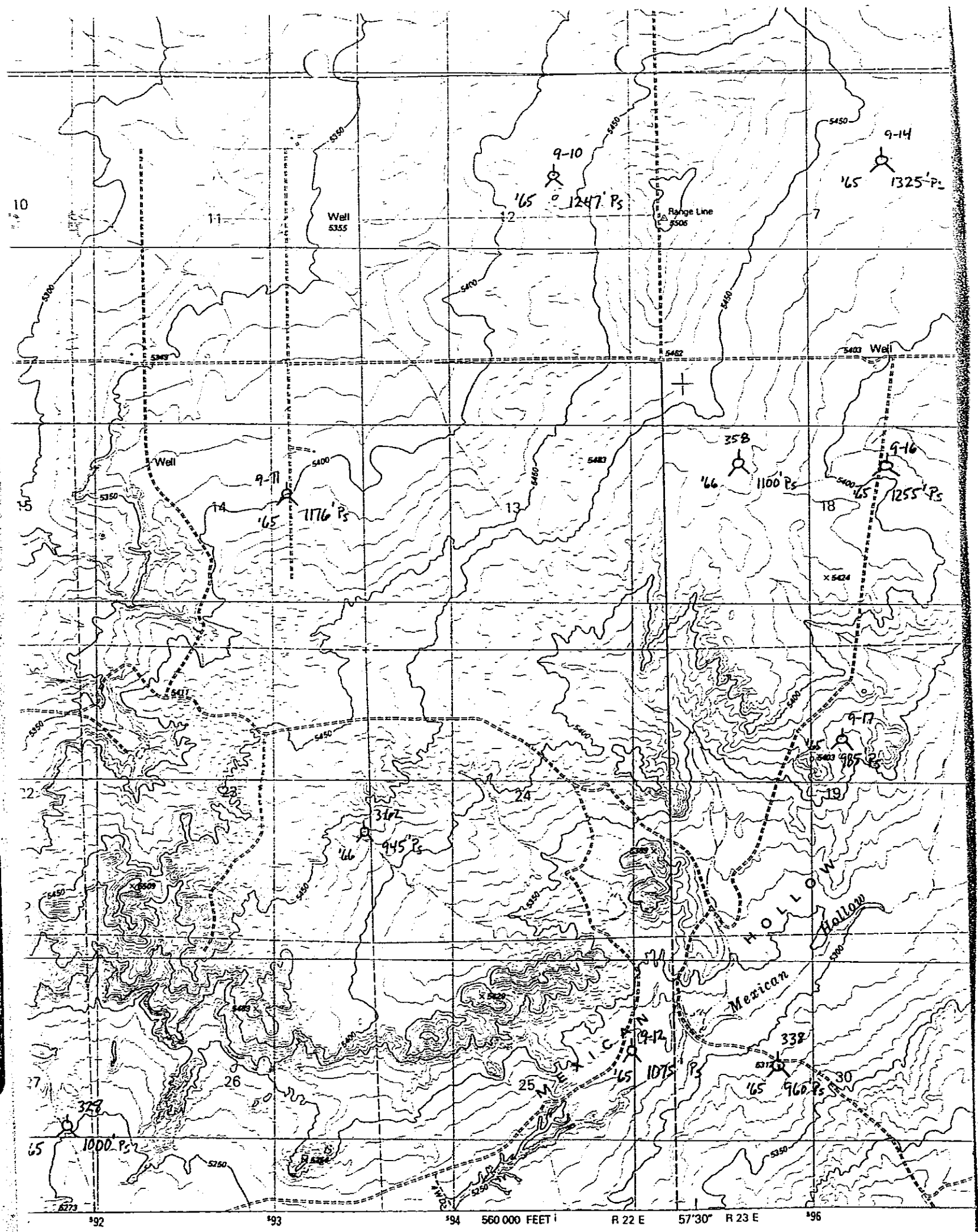
960-85 REC 25'
960-60½ SALT 10% SH, 60½-61 SALT, 40% SH; 61-69 S LT, 10% SH & ANHY; 69-77 SALT (KCL), 977 BOTTOM; 77-79 SALT, 20% SH; 79-82½ SALT, 30%SH; 82½-85 SALT 10% SH.

WHIPSTOCK #2, CORE #2

985-1009.5
985-86 10% SH; 86-96 SALT VLT ORNG TO CLEAR TRS ANHY & SH; 96-98 SALT, 20% SH; 98-1000 SALT, 30% SH; 1000-04 SH, 30% SALT; 04-06 SALT, 20% SH; 06-09.5 SALT, 10% SH.

1010-20'	70% SALT, 20% RED SH.
20-30'	70% SALT, 30% ANHY.
30-40'	100% AA.
40-50'	AA.
50-60'	90% SALT, 10% RED SH.
60-70'	90% AA, 10% AA.
70-80'	70% AA, 30% AA.
80-90'	90% AA, 10% ANHY.
90-00'	100% SALT.
1100-10'	90% SALT, 10% RED SH.
10-20'	90% AA, 10% AA.
20-30'	100% AA.
30-40'	20% RED SH, 80% ANHY.
40-50'	70% SALT, 30% RED SH.
50-60'	100% SALT.
60-70'	AA.
70-80'	AA.

80-90'	AA.
90-00'	30% SALT, 60% RED SH, SLT, 10% ANHY.
1200-10'	100% RED SH, SLT.
10-20'	AA.
20-30'	100% ANHY.
30-40'	20% SALT, 60% ANHY, 20% DOLO.
40-50'	10% RED SH SLT, 10% ANHY 80% GRN SLT.
TD 50-55'	20% RED SH SLT, 80% GRN SLT.



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File # 9-16

SYMBOL OF SERVICE

SURVEY REPORT

State #32

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EASTMAN OIL WELL SURVEY COMPANY

DIRECTIONAL DRILLING • TOOLS • INSTRUMENTS • TECHNIQUES

Consult The Yellow Pages For Your Nearest Eastman Office

LONG BEACH • HOUSTON • ODESSA

EASTMAN

"Symbol of Service"

REPORT of SUB-SURFACE DIRECTIONAL SURVEY

ARKLA EXPLORATION COMPANY

COMPANY

N. M. A. CORE TEST 32

WELL NAME

NAVAJO COUNTY, ARIZONA

LOCATION

JOB NUMBER	TYPE OF SURVEY	DATE
WT-52265	SINGLE SHOT	MAY 10, 1965 thru MAY 15, 1965

SURVEY BY	OFFICE
R. B. VICKERS	ODESSA, TEXAS

FORM D-805 R1

ARKLA EXPLORATION COMPANY

WT-52265 MAY 10, 1965 thru May 15, 1965

CLOSURES BETWEEN HOLES @975'

HOLE NO. 1 to HOLE NO. 2 - 11.42' SOUTH 55° 49' EAST

HOLE NO. 1 to HOLE NO. 3 - 8.35' SOUTH 52° 14' EAST

HOLE NO. 3 to HOLE NO. 2 - 3.85' SOUTH 86° 25' EAST

CLOSURES BETWEEN HOLE @ T.D.

HOLE NO. 1 to HOLE NO. 2 - 15.22' SOUTH 57° 14' EAST

HOLE NO. 1 to HOLE NO. 3 - 11.15' SOUTH 42° 21' EAST

HOLE NO. 3 to HOLE NO. 2 - 5.29' DUE EAST

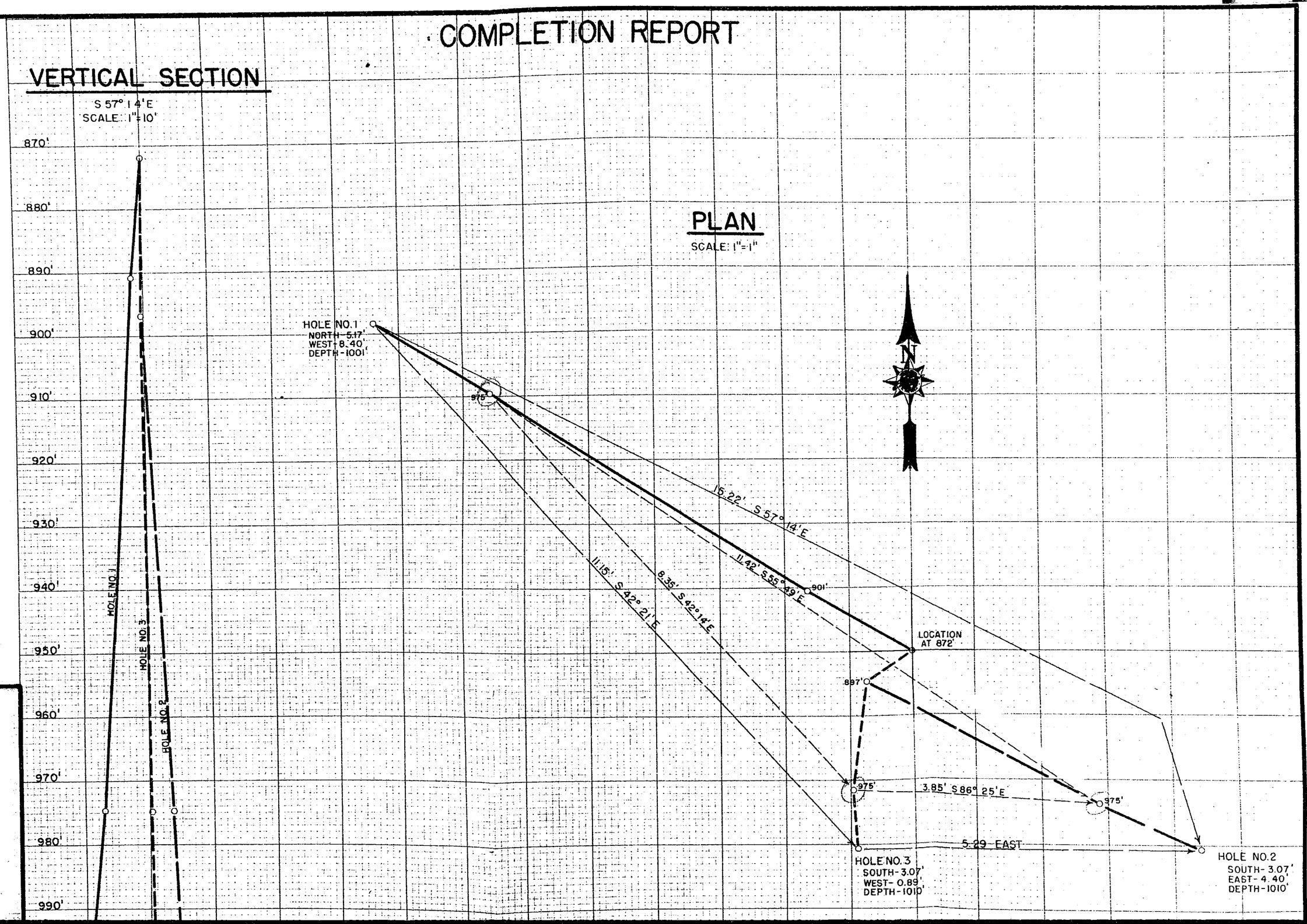
RECORD OF SURVEY

CHECKED BY Assumed Location 872' JOB NO. WT-52265 DATE May 10, 1965 thru May 15, 1965

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES NORTH	SOUTH	EAST	WEST	
					HOLE NO. 1						
						S 57 W	0 00			0 00	
KOP	872 00	2° 00'	872 00							1 65	
1	901 00	3° 45'	900 94		1 90	N 60 W	0 95			6 58	Inter-
2	975 00	4° 30'	974 71		5 81	N 58 W	4 03				polated
											Picture
3	1001 00	4° 45'	1000 62		2 15	N 58 W	5 17			8 40	
					HOLE NO. 2						
						N 57 W		0 00		0 00	
	872 00	2° 00'	872 00					0 47		0 73	
KOP	897 00	2° 00'	896 98		0 87	S 57 W		2 39	2 87		
1	975 00	3° 00'	974 87		4 08	S 62 E		3 07	4 40		
2	1010 00	2° 45'	1009 83		1 68	S 66 E					
					HOLE NO. 3						
						S 57 W		0 00		0 00	
	872 00	2° 00'	872 00					0 47		0 73	
1	897 00	2° 00'	896 98		0 87	S 57 W		2 15		0 97	
2	975 00	1° 15'	974 96		1 70	S 08 W		3 07		0 89	
3	1010 00	1° 30'	1009 95		0 92	S 05 E					

FORM NO. D—303P

COMPLETION REPORT



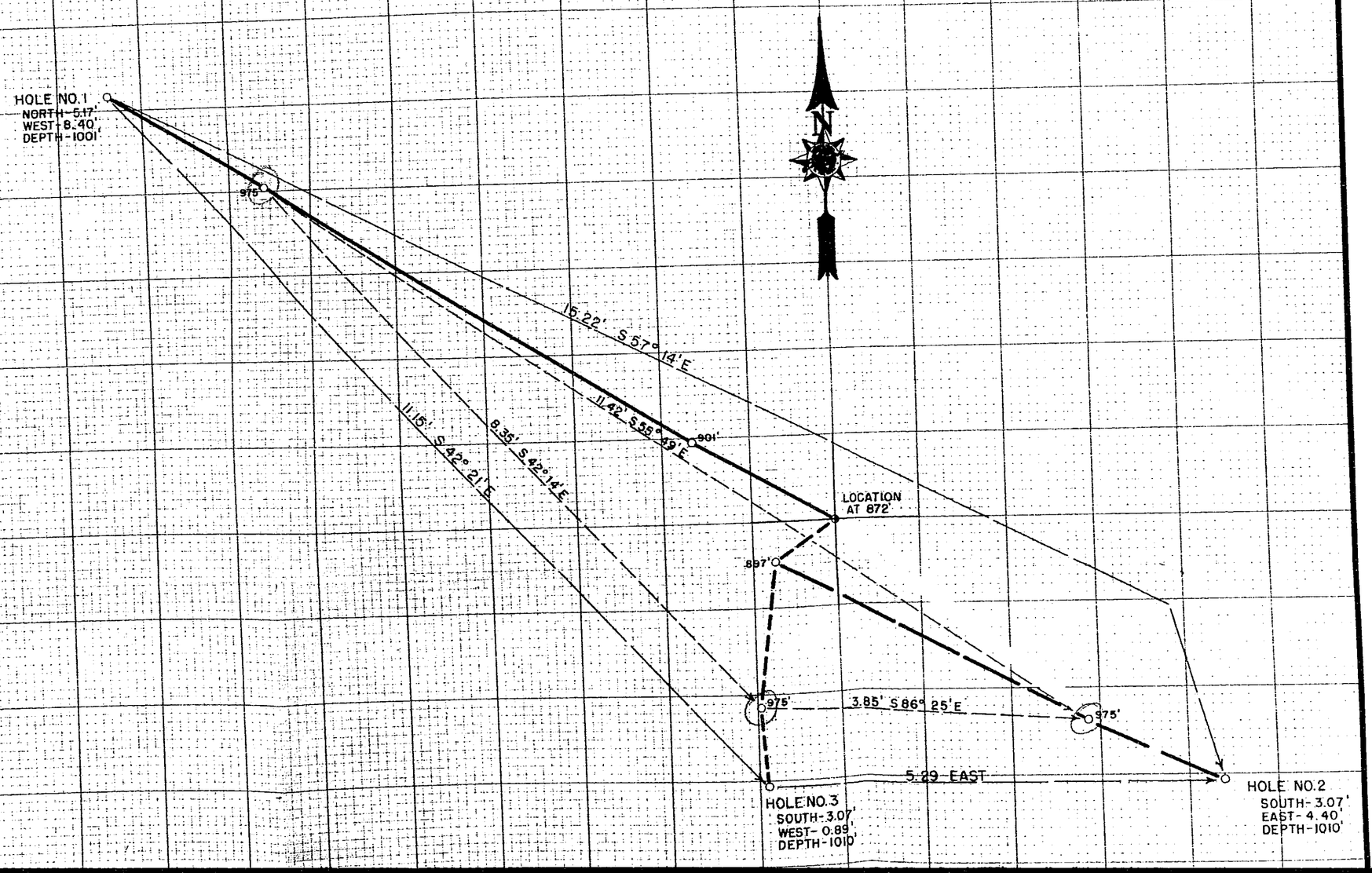
COMPLETION REPORT

AL SECTION

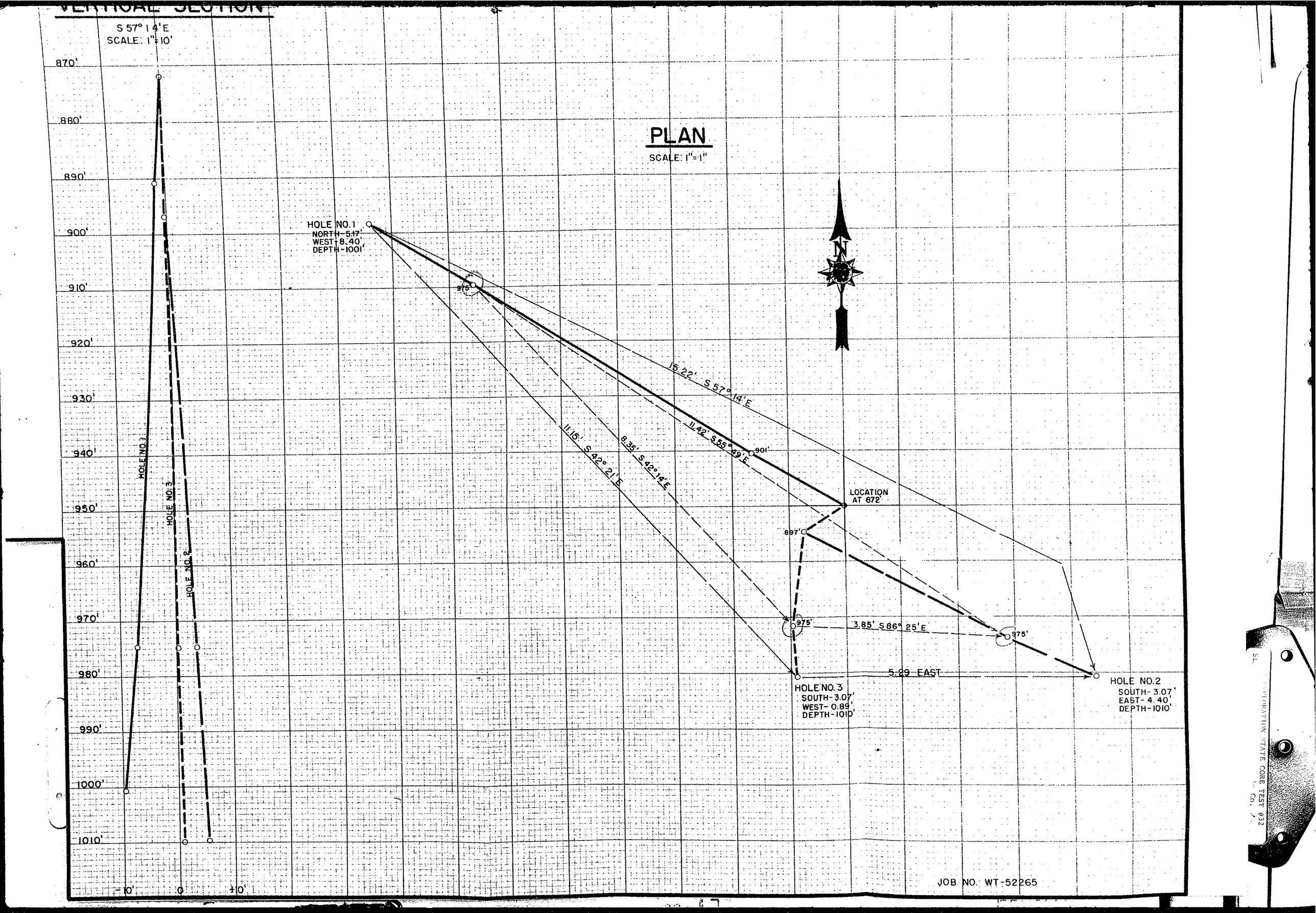
7° 14' E
E: 1" = 10'

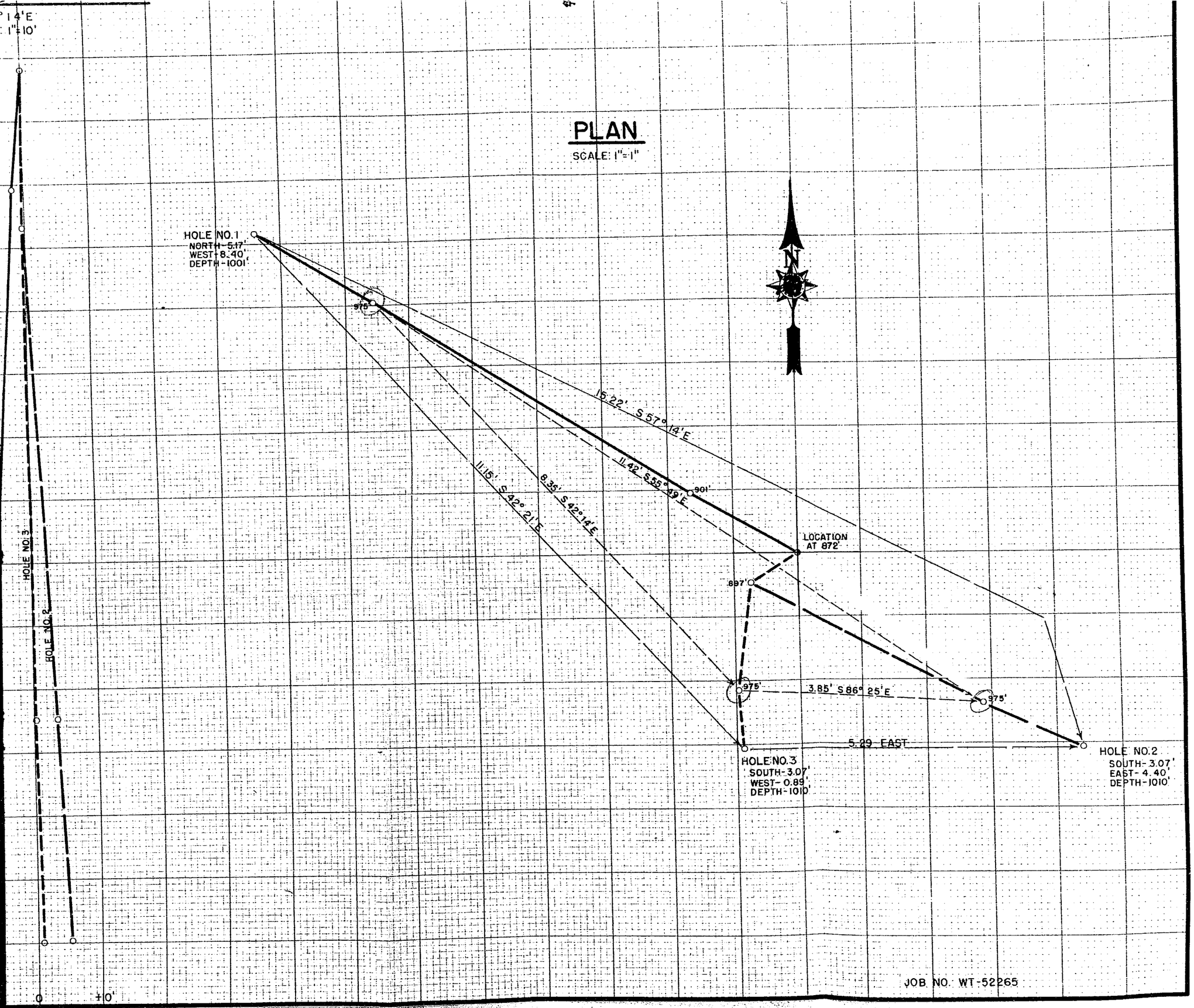
PLAN

SCALE: 1" = 1"



S.L.
EXPLORATION STATE CORE TEST #32
Co.


VERTICAL SECTION
S 57° 14' E
SCALE: 1"=10'
870'
880'
890'
900'
910'
920'
930'
940'
950'
960'
970'
980'
990'
1000'
1010'
HOLE NO.1
HOLE NO.3
HOLE NO.2
-10'
0
+10'
PLAN
SCALE: 1"=1"
N
HOLE NO.1
NORTH-5.17'
WEST-8.40'
DEPTH-1001'
975'
15.22' S 57° 14' E
11.42' S 55° 49' E
901'
11.15' S 42° 21' E
8.35' S 42° 14' E
LOCATION
AT 872'
897'
975'
3.85' S 86° 25' E
975'
5.29 EAST
HOLE NO.3
SOUTH-3.07'
WEST-0.89'
DEPTH-1010'
HOLE NO.2
SOUTH-3.07'
EAST-4.40'
DEPTH-1010'
JOB NO. WT-52265



EXPLORATION STATE CORE TEST #32
Co.