

1 SUM 1989 GRUM SPERRI

018289

WELL 889-01
DEPTH 482.5
PICTURE NO. #2
INCLINATION 3°
OBS. DIR. N88E 88
COR. DIR. 88+31=129
TOOL FACE 20°
RUN BY CVR
DATE JUNE 24/89
CHECKED BY _____



NL Sperry-Sun

WELL 896-01
DEPTH 232.5 PL
PICTURE NO. #3
INCLINATION 2°
OBS. DIR. S65E = 115°
COR. DIR. 115+31=146°
TOOL FACE 20°
RUN BY CVR
DATE JUNE 24/89
CHECKED BY _____

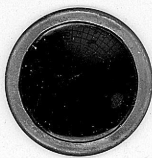


NL Sperry-Sun

WELL 889-01
DEPTH 632.5
PICTURE NO. #1
INCLINATION 3°
OBS. DIR. N40E = 040
COR. DIR. 040+31=071
TOOL FACE 20°
RUN BY CVR
DATE JUNE 24/89
CHECKED BY _____



NL Sperry-Sun



WELL 896-02
DEPTH 308 FT.
PICTURE NO. #3
INCLINATION 1°
OBS. DIR. N85W = 285°
COR. DIR. 275+31=306
TOOL FACE _____
RUN BY CVR
DATE JUNE 27/89
CHECKED BY _____



sperry-sun

WELL 896-02
DEPTH 458 FT.
PICTURE NO. #2
INCLINATION 2°
OBS. DIR. N60W = 300
COR. DIR. 331
TOOL FACE _____
RUN BY CVR
DATE JUNE 27/89
CHECKED BY _____



sperry-sun

WELL 896-02
DEPTH 608'
PICTURE NO. 1
INCLINATION 5°
OBS. DIR. N38W = 322
COR. DIR. 322+31=353
TOOL FACE _____
RUN BY LCR
DATE JUNE 27/89
CHECKED BY _____



sperry-sun



WELL 896-03
DEPTH 404
PICTURE NO. 3
INCLINATION 5°
OBS. DIR. N73W = 287
COR. DIR. 287+31=318
TOOL FACE _____
RUN BY _____
DATE _____
CHECKED BY _____



NL Sperry-Sun

WELL 896-03
DEPTH 554 FT.
PICTURE NO. 2
INCLINATION 3.8°
OBS. DIR. N14°E = 014
COR. DIR. 014+31=045
TOOL FACE _____
RUN BY _____
DATE _____
CHECKED BY _____

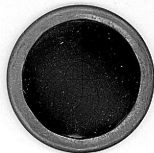


sperry-sun

WELL 896-03
DEPTH 704
PICTURE NO. 1
INCLINATION 5.6° 6°
OBS. DIR. N2°E = 002
COR. DIR. 002+31=033°
TOOL FACE _____
RUN BY _____
DATE _____
CHECKED BY _____



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WELL 896-05
DEPTH 210 204
PICTURE NO. 1
INCLINATION 2.6°
OBS. DIR. N5°E 005
COR. DIR. 005+31=036
TOOL FACE _____
RUN BY _____
DATE JULY 3, 1989
CHECKED BY _____



sperry-sun

WELL 896-04
DEPTH 254.0 FT.
PICTURE NO. #1
INCLINATION 2.5°
OBS. DIR. N25W = 335
COR. DIR. 335+31=006
TOOL FACE _____
RUN BY CVR
DATE JULY 2/89
CHECKED BY _____



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WELL 89 G-06
DEPTH 466
PICTURE NO. 1
INCLINATION 2°
OBS. DIR. N 20° W 338
COR. DIR. 398 + 31 = 359
TOOL FACE _____
RUN BY _____
DATE JULY 5, 1989
CHECKED BY _____



WELL DDH-89-G-07
DEPTH 344 ft.
PICTURE NO. 1 of 1
INCLINATION 2.5°
OBS. DIR. S 74 E 106
COR. DIR. 106 + 31 = 137
TOOL FACE _____
RUN BY _____
DATE July 7/89
CHECKED BY _____



WELL 89-G-08
DEPTH 414
PICTURE NO. 1
INCLINATION 5.8
OBS. DIR. N 85 E = 085
COR. DIR. 085 + 31 = 106 107
TOOL FACE _____
RUN BY _____
DATE July 9/89
CHECKED BY _____



WELL 89-G-08
DEPTH 264
PICTURE NO. 2
INCLINATION 5°
OBS. DIR. E = 90°
COR. DIR. 90 + 31 = 121
TOOL FACE _____
RUN BY _____
DATE July 9/89
CHECKED BY _____



WELL 89-G-08
DEPTH 264
PICTURE NO. 3
INCLINATION 2.5 940
OBS. DIR. S 86 E = 276
COR. DIR. 276 + 31 = 246
TOOL FACE 94 + 31 = 1250
RUN BY _____
DATE July 9/89
CHECKED BY CVR



WELL 89G-09
DEPTH 404
PICTURE NO. #1 of 2
INCLINATION -21.8° - 23.2
OBS. DIR. N 35 E = 023
COR. DIR. 023 + 31 = 054°
TOOL FACE _____
RUN BY NR
DATE July 8th
CHECKED BY _____



WELL 89G-09
DEPTH 254
PICTURE NO. #2 of 2
INCLINATION -26.3
OBS. DIR. N 18° E
COR. DIR. 18 + 31 = 49°
TOOL FACE _____
RUN BY CVR
DATE 24 July / 89
CHECKED BY _____



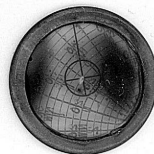
WELL 484 89 G-10
DEPTH 484
PICTURE NO. 1
INCLINATION 21.5
OBS. DIR. N 30 E 030
COR. DIR. 030 + 031 = 061
TOOL FACE _____
RUN BY _____
DATE JULY 12, 1989
CHECKED BY _____




WELL 89 G-10
DEPTH 334
PICTURE NO. 2
INCLINATION 21.4
OBS. DIR. N 24° E 30
COR. DIR. 024 + 031 = 055
TOOL FACE _____
RUN BY _____
DATE JULY 12, 1989
CHECKED BY _____



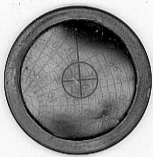
WELL 89 G-10
DEPTH 184
PICTURE NO. 3
INCLINATION 24
OBS. DIR. N 20 E 020
COR. DIR. 020 + 031 = 051
TOOL FACE _____
RUN BY _____
DATE JULY 12, 1989
CHECKED BY _____




WELL 89G-11
 DEPTH 518.0'
 PICTURE NO. 1 of 2
 INCLINATION -21.0
 OBS. DIR. N32°E
 COR. DIR. 063
 TOOL FACE _____
 RUN BY W.R.
 DATE JULY 12/89
 CHECKED BY _____



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WELL 89G-11
 DEPTH 368.0'
 PICTURE NO. 2 of 2
 INCLINATION -23.2
 OBS. DIR. N24°E = 024
 COR. DIR. 024+31 = 055
 TOOL FACE _____
 RUN BY W.R.
 DATE JUNE 12/89
 CHECKED BY _____



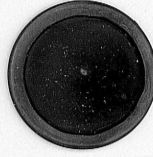
sperry-sun




WELL DDH 89 G-12
 DEPTH 515 ft - 30 + 17
 PICTURE NO. #1 (a)
 INCLINATION _____
 OBS. DIR. 110
 COR. DIR. _____
 TOOL FACE _____
 RUN BY 6000
 DATE _____
 CHECKED BY _____



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502 ft
 WELL DDH 89 G-12
 DEPTH 515 ft - 30 + 17
 PICTURE NO. #1 (b)
 INCLINATION -20.3 (-69.7)
 OBS. DIR. N33°E = 033
 COR. DIR. 033+31 = 064
 TOOL FACE _____
 RUN BY A.R.
 DATE _____
 CHECKED BY W.R.



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352.0 ft.
 WELL DDH - 89 G-12
 DEPTH -150 ft + 1426
 PICTURE NO. #2
 INCLINATION -22° (-68°)
 OBS. DIR. N26°E = 026
 COR. DIR. 026+31 = 57°
 TOOL FACE _____
 RUN BY A.R.
 DATE _____
 CHECKED BY W.R.



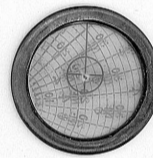
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202.0 ft.
 WELL DDH 89 G-12
 DEPTH -150 ft + 1426
 PICTURE NO. #3
 INCLINATION -23° (-67°)
 OBS. DIR. 024
 COR. DIR. 024+31 = 055°
 TOOL FACE _____
 RUN BY A.R.
 DATE _____
 CHECKED BY _____



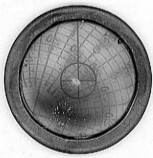
sperry-sun




WELL DDH 89 G-13
 DEPTH 519 ft - 30 + 583
 PICTURE NO. 1
 INCLINATION 16° = -74
 OBS. DIR. N39°E = 039
 COR. DIR. 039+31 = 070
 TOOL FACE 90L
 RUN BY _____
 DATE _____
 CHECKED BY _____



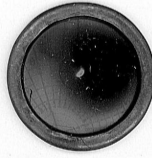
sperry-sun




WELL DDH 89 G-13
 DEPTH -150 ft - 433'
 PICTURE NO. 2
 INCLINATION 18° = -72°
 OBS. DIR. N36°E = 036
 COR. DIR. 036+31 = 067
 TOOL FACE 90°
 RUN BY _____
 DATE _____
 CHECKED BY _____



sperry-sun




WELL DDH 89 G-13
 DEPTH -150 ft - 283'
 PICTURE NO. 3
 INCLINATION 20° = -70
 OBS. DIR. N28°E = 028
 COR. DIR. 028+31 = 059
 TOOL FACE 90°
 RUN BY _____
 DATE _____
 CHECKED BY _____



sperry-sun




WELL 89 G-014
 DEPTH 512 609
 PICTURE NO. 1
 INCLINATION +22° = -68
 OBS. DIR. N24°E = 024
 COR. DIR. 024+31 = 055
 TOOL FACE 90°L
 RUN BY _____
 DATE July 18/89
 CHECKED BY _____



sperry-sun




WELL 89 G-014
 DEPTH 459
 PICTURE NO. 2
 INCLINATION 23.5° = -66.5
 OBS. DIR. N40°E = 040
 COR. DIR. 040+31 = 071
 TOOL FACE 90°L
 RUN BY _____
 DATE July 18/89
 CHECKED BY _____



sperry-sun




WELL DDH 89-014
 DEPTH 309
 PICTURE NO. 3
 INCLINATION 25.5° = -64.5
 OBS. DIR. N19°E = 019
 COR. DIR. 019+31 = 050
 TOOL FACE 90°
 RUN BY _____
 DATE July 18/89
 CHECKED BY _____




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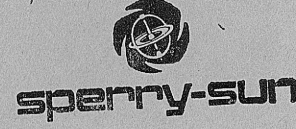
WELL 89G-15
 DEPTH 554
 PICTURE NO. #1
 INCLINATION 21° = -69
 OBS. DIR. N32E = 032
 COR. DIR. 032+31 = 063
 TOOL FACE _____
 RUN BY CVR
 DATE 5-17/89
 CHECKED BY _____





WELL 89-G-15
 DEPTH 404
 PICTURE NO. #2
 INCLINATION 21.5° = -68.5
 OBS. DIR. N25E = 025
 COR. DIR. 025+31 = 056
 TOOL FACE 90°
 RUN BY AR
 DATE July 18, 1989
 CHECKED BY _____





WELL 89-G/15
 DEPTH 754
 PICTURE NO. #3
 INCLINATION 23° = -67
 OBS. DIR. N18E = 018
 COR. DIR. 018+31 = 049
 TOOL FACE 90°
 RUN BY LAG
 DATE July 18, 1989
 CHECKED BY _____





WELL 89G-16
 DEPTH 622
 PICTURE NO. 1
 INCLINATION 17.5° = -72.5
 OBS. DIR. N38E = 038
 COR. DIR. 038+31 = 069
 TOOL FACE 90°
 RUN BY _____
 DATE July 21/89
 CHECKED BY _____




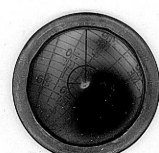

WELL 89G-16
 DEPTH 472
 PICTURE NO. _____
 INCLINATION 17° = -73°
 OBS. DIR. N37E = 037
 COR. DIR. 037+31 = 068
 TOOL FACE 90°
 RUN BY _____
 DATE July 21/89
 CHECKED BY _____




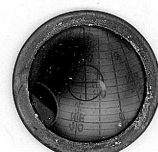

WELL 89G-16
 DEPTH 322
 PICTURE NO. _____
 INCLINATION -20° = -70°
 OBS. DIR. N33E = 033
 COR. DIR. 033+31 = 064
 TOOL FACE 90°
 RUN BY _____
 DATE July 21/89
 CHECKED BY _____





WELL DDH 89 G-17
 DEPTH 529-157 = 502
 PICTURE NO. 1
 INCLINATION 27° = -63°
 OBS. DIR. N27E = 027
 COR. DIR. 027+31 = 058
 TOOL FACE _____
 RUN BY _____
 DATE July 20/1989
 CHECKED BY _____


WELL DDH 89 G-17
 DEPTH 502-150 = 352
 PICTURE NO. 2
 INCLINATION 29° = 61°
 OBS. DIR. N18E = 018
 COR. DIR. 018+31 = 049
 TOOL FACE 90°
 RUN BY _____
 DATE July 20/1989
 CHECKED BY _____


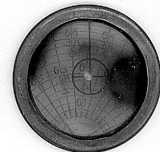
WELL DDH 89 G-17
 DEPTH 352-150 = 202
 PICTURE NO. 3 (2 pics)
 INCLINATION 31° = -59°
 OBS. DIR. N15E = 015
 COR. DIR. 015+31 = 046
 TOOL FACE 90°
 RUN BY _____
 DATE July 20/1989
 CHECKED BY _____





WELL DDH 89 G-18
 DEPTH 428 feet
 PICTURE NO. 1
 INCLINATION 21° = -69
 OBS. DIR. N49E 049
 COR. DIR. 049+31 080
 TOOL FACE 90°
 RUN BY AR
 DATE July 22/89
 CHECKED BY _____




WELL DDH 89 G-18
 DEPTH 278 ft.
 PICTURE NO. 2
 INCLINATION +18 = -72
 OBS. DIR. N45E = 045
 COR. DIR. 076
 TOOL FACE 90°
 RUN BY AR
 DATE July 22/89
 CHECKED BY _____

WELL DDH 89 G-18
 DEPTH 128
 PICTURE NO. 3
 INCLINATION 20° = -70°
 OBS. DIR. N38E = 038
 COR. DIR. 028+31 = 059
 TOOL FACE 90°
 RUN BY AR
 DATE July 22/89
 CHECKED BY _____




WELL DDH 89-6-19
DEPTH 299 ft
PICTURE NO. 4
INCLINATION 5° = -85
OBS. DIR. N37W = 323
COR. DIR. 323+31 = 354
TOOL FACE 20L
RUN BY AR
DATE July 24/89
CHECKED BY _____



sperry-sun

WELL DDH 89-6-19
DEPTH 299 ft
PICTURE NO. #4(b)
INCLINATION 5° = -85
OBS. DIR. N21W = 339
COR. DIR. 339+31 = 010
TOOL FACE 20L
RUN BY AR
DATE July 24/89
CHECKED BY _____



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WELL DDH-89-6-19
DEPTH _____
PICTURE NO. 3
INCLINATION 5° = -85
OBS. DIR. N08W = 352°
COR. DIR. 352+31 = 023
TOOL FACE 20L
RUN BY AR
DATE July 24/89
CHECKED BY _____



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WELL DDH-89-6-19
DEPTH _____
PICTURE NO. 2
INCLINATION 4.5° = -85.5
OBS. DIR. N28W = 332
COR. DIR. 332+31 = 003
TOOL FACE 20L
RUN BY AR
DATE July 24/89
CHECKED BY _____

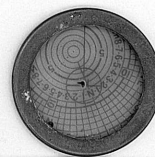
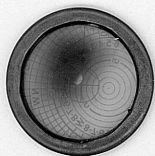


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WELL DDH-89-6-19
DEPTH 749 ft
PICTURE NO. 1
INCLINATION 6.5° = -83.5
OBS. DIR. N06W = 354
COR. DIR. 354+31 =
TOOL FACE _____
RUN BY _____
DATE July 24/89
CHECKED BY _____



sperry-sun



WELL 89G-20
DEPTH 347
PICTURE NO. 1
INCLINATION 14° = -76
OBS. DIR. N26E = 026
COR. DIR. 026+31 = 057
TOOL FACE 90°
RUN BY _____
DATE July 23/89
CHECKED BY _____



sperry-sun

WELL 89-G-21
DEPTH 699
PICTURE NO. 1
INCLINATION 8°
OBS. DIR. N15E = 015
COR. DIR. 31+15 = 46
TOOL FACE _____
RUN BY _____
DATE July 26/89
CHECKED BY _____



sperry-sun

WELL 89-G-21
DEPTH 549
PICTURE NO. 2
INCLINATION 8.5°
OBS. DIR. N15E = 015
COR. DIR. 31+15 = 46
TOOL FACE _____
RUN BY _____
DATE July 26/89
CHECKED BY _____



sperry-sun

WELL 89-6-21
DEPTH 399
PICTURE NO. 3
INCLINATION 5.5°
OBS. DIR. N15E = 015
COR. DIR. 31+15 = 46
TOOL FACE _____
RUN BY _____
DATE July 26/89
CHECKED BY _____

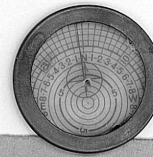
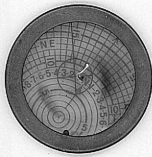
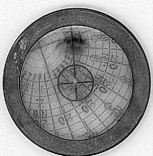


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WELL 89-G-21
DEPTH 249
PICTURE NO. 4
INCLINATION 4°
OBS. DIR. N4E = 004
COR. DIR. 31+4° = 35°
TOOL FACE _____
RUN BY _____
DATE July 26/89
CHECKED BY _____



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WELL DDH 89 G-22
DEPTH 463
PICTURE NO. 1
INCLINATION 7° = -83
OBS. DIR. N85E = 085
COR. DIR. 085+31 = 116
TOOL FACE _____
RUN BY _____
DATE AUG. 12 1989
CHECKED BY _____



sperry-sun

WELL DDH 89 G-22
DEPTH 313
PICTURE NO. 2
INCLINATION 5.5° = -84.5
OBS. DIR. S86E = 094
COR. DIR. 094+31 = 125
TOOL FACE _____
RUN BY _____
DATE AUG 12 1989
CHECKED BY _____



sperry-sun

WELL DDH 89 G-22
DEPTH 163
PICTURE NO. 3
INCLINATION 29° 30' = -87
OBS. DIR. 154.576E = 104
COR. DIR. 104+31 = 135
TOOL FACE 20L
RUN BY _____
DATE AUG 12 1989
CHECKED BY _____



sperry-sun

WELL 89-G-23
DEPTH 392
PICTURE NO. 1
INCLINATION 14.5°
OBS. DIR. N37E = 037
COR. DIR. 37+31 = 68
TOOL FACE _____
RUN BY TLK
DATE Aug 14/89
CHECKED BY _____

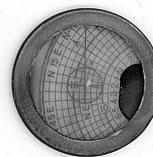
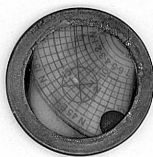
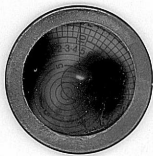
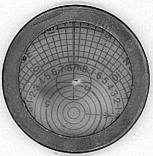


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WELL 89-G-23
DEPTH 182
PICTURE NO. 2
INCLINATION 13° = -77
OBS. DIR. N25E = 025
COR. DIR. 25+31 = 56
TOOL FACE _____
RUN BY TLK
DATE Aug 14/89
CHECKED BY _____



sperry-sun



WELL 89G-24
DEPTH 365
PICTURE NO. 2
INCLINATION 6° = -84
OBS. DIR. N52E = 052
COR. DIR. 52+31 = 83
TOOL FACE 20L
RUN BY LCP
DATE Aug 15/89
CHECKED BY _____



sperry-sun

WELL 89G-25
DEPTH 364'
PICTURE NO. 1
INCLINATION 28° = -62°
OBS. DIR. S18W = 198°
COR. DIR. 198+31 = 229
TOOL FACE 90L
RUN BY LCP
DATE _____
CHECKED BY _____



sperry-sun

WELL 89G-25
DEPTH 214'
PICTURE NO. 2
INCLINATION 29° = -61°
OBS. DIR. S17W = 197
COR. DIR. 197+31 = 228
TOOL FACE 90L
RUN BY LCP
DATE _____
CHECKED BY _____



sperry-sun

WELL DDH G-26
DEPTH 405 ft.
PICTURE NO. 1
INCLINATION 12° = -78
OBS. DIR. N45E = 045
COR. DIR. 045+31 = 76
TOOL FACE 90L
RUN BY ADR
DATE August 20/89
CHECKED BY _____

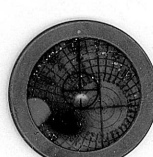
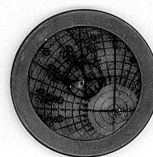
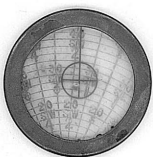
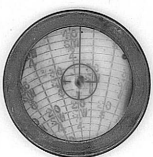


sperry-sun

WELL DDH-G-26
DEPTH 255 ft.
PICTURE NO. 2
INCLINATION 0° = -82°
OBS. DIR. N47E = 047
COR. DIR. 047+31 = 78
TOOL FACE 90L
RUN BY ADR
DATE August 20/89
CHECKED BY _____



sperry-sun



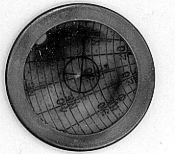
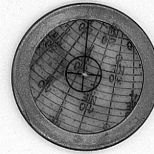
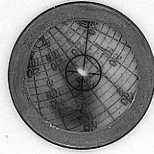
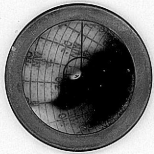
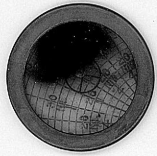
WELL 89G-27
 DEPTH 545'
 PICTURE NO. 1
 INCLINATION 27° = -63
 OBS. DIR. N12W = 348
 COR. DIR. 348+31 = 019
 TOOL FACE 90L
 RUN BY LCP
 DATE Aug 22/89
 CHECKED BY _____

WELL 89G-27
 DEPTH 395'
 PICTURE NO. 2
 INCLINATION 26° = -64
 OBS. DIR. N15W = 345
 COR. DIR. 345+31 = 016
 TOOL FACE 90L
 RUN BY LCP
 DATE Aug 22/89
 CHECKED BY _____

WELL 89G-27
 DEPTH 245'
 PICTURE NO. 3
 INCLINATION 28° = -67°
 OBS. DIR. N008W = 352
 COR. DIR. 352+31 = 023
 TOOL FACE 90L
 RUN BY LCP
 DATE Aug 22/89
 CHECKED BY _____

WELL 89G-28
 DEPTH 345'
 PICTURE NO. 1
 INCLINATION 33° = -57
 OBS. DIR. N13E = 013
 COR. DIR. 013+31 = 044°
 TOOL FACE 90L
 RUN BY LCP
 DATE Aug 26/89
 CHECKED BY _____

WELL 89G-28
 DEPTH 195'
 PICTURE NO. 2
 INCLINATION 34° = -56
 OBS. DIR. N9E = 009
 COR. DIR. 009+31 = 40
 TOOL FACE 90L
 RUN BY LCP
 DATE Aug 26/89
 CHECKED BY _____



WELL 89G-29
 DEPTH 525
 PICTURE NO. 1
 INCLINATION 30° = -87
 OBS. DIR. N5W = 355
 COR. DIR. 355+31 = 026
 TOOL FACE 20L
 RUN BY _____
 DATE Aug 29/89
 CHECKED BY _____

WELL 89G-29
 DEPTH 375
 PICTURE NO. 2
 INCLINATION 175° = -88.25
 OBS. DIR. N5W = 355
 COR. DIR. 355+31 = 026
 TOOL FACE 20L
 RUN BY _____
 DATE Aug 29/89
 CHECKED BY _____

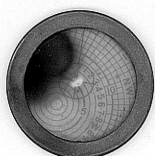
WELL 89G-29
 DEPTH 225
 PICTURE NO. 3
 INCLINATION 20° = -88
 OBS. DIR. S49W = 229
 COR. DIR. 229+31 = 260
 TOOL FACE 20L
 RUN BY _____
 DATE Aug 29/89
 CHECKED BY _____



WELL DDH 89-G-30
 DEPTH 385
 PICTURE NO. 1
 INCLINATION 90° = -81
 OBS. DIR. N11W = 349
 COR. DIR. 349+31 = 20
 TOOL FACE 20L
 RUN BY _____
 DATE Aug 31/89
 CHECKED BY _____

WELL DDH 89-G-30
 DEPTH 235
 PICTURE NO. 2
 INCLINATION 5.5° = -84.5
 OBS. DIR. N11W = 349
 COR. DIR. 349+31 = 20
 TOOL FACE 20L
 RUN BY _____
 DATE Aug 31/89
 CHECKED BY _____

WELL DDH 89-G-30
 DEPTH 135
 PICTURE NO. 3
 INCLINATION 20° = -88°
 OBS. DIR. N27E = 027
 COR. DIR. 027+31 = 58
 TOOL FACE 20L
 RUN BY _____
 DATE Aug 3/89
 CHECKED BY _____



WELL DDH-89-6-31
DEPTH 322 ft.
PICTURE NO. 1
INCLINATION 4.5° = -85.5
OBS. DIR. N5W = 355
COR. DIR. 355+31 = 026
TOOL FACE 20L
RUN BY ADR
DATE Sept. 1/89
CHECKED BY _____



NL Sperry-Sun

WELL DDH-89-6-31
DEPTH 202 ft.
PICTURE NO. 2
INCLINATION 4° = -86
OBS. DIR. N9E = 009
COR. DIR. 009+31 = 40
TOOL FACE 20L
RUN BY ADR
DATE Sept. 1/89
CHECKED BY _____

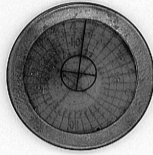
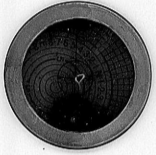


NL Sperry-Sun

WELL DDH-89-6-31
DEPTH 202 ft.
PICTURE NO. 3
INCLINATION 2° = -88
OBS. DIR. N21E = 021
COR. DIR. 021+31 = 052
TOOL FACE 20L
RUN BY ADR
DATE Sept. 1/89
CHECKED BY _____



NL Sperry-Sun



WELL DDH-89-6-32
DEPTH 434 ft.
PICTURE NO. 1
INCLINATION 6° = -84
OBS. DIR. N3E = 003
COR. DIR. 003+31 = 34
TOOL FACE 20L
RUN BY ADR
DATE Sept. 3/89
CHECKED BY _____



NL Sperry-Sun

WELL DDH-89-6-32
DEPTH 284 ft.
PICTURE NO. 2
INCLINATION 3° = -87
OBS. DIR. N00E = 002
COR. DIR. 002+31 = 33
TOOL FACE 20L
RUN BY ADR
DATE Sept. 3/89
CHECKED BY _____

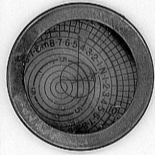
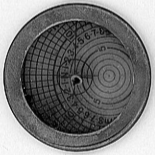


NL Sperry-Sun

WELL DDH-89-6-32
DEPTH 134 ft.
PICTURE NO. 3
INCLINATION 1° = -89
OBS. DIR. N40W = 320
COR. DIR. 320+31 = 357
TOOL FACE 20L
RUN BY ADR
DATE Sept. 3/89
CHECKED BY _____



NL Sperry-Sun



WELL 896-33
DEPTH 265 feet
PICTURE NO. 1
INCLINATION 86°
OBS. DIR. N15W = 345
COR. DIR. 345+31 = 076
TOOL FACE _____
RUN BY _____
DATE _____
CHECKED BY _____



NL Sperry-Sun

WELL 896-33
DEPTH 115'
PICTURE NO. 2
INCLINATION -2° = -88
OBS. DIR. N20E = 020
COR. DIR. 020+31 = 051
TOOL FACE 20L
RUN BY CVR
DATE Sept 4/89
CHECKED BY _____



NL Sperry-Sun

WELL 896-34
DEPTH 285 feet
PICTURE NO. 1
INCLINATION 2° = -88
OBS. DIR. N45E = 045
COR. DIR. 045+31 = 76
TOOL FACE 20L
RUN BY LCP
DATE Sept 8/89
CHECKED BY _____



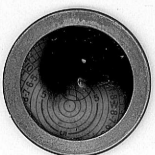
NL Sperry-Sun

293
162

WELL 896-35
DEPTH 279'
PICTURE NO. 1 of 7
INCLINATION -1.5° = -88.5
OBS. DIR. N88W = 272
COR. DIR. 272+31 = 303
TOOL FACE _____
RUN BY CVR
DATE SEPT 11/89
CHECKED BY _____



NL Sperry-Sun



WELL DDH-FX-01-A
 DEPTH 1989 FT
 PICTURE NO. 1
 INCLINATION 18° = -72
 OBS. DIR. N41W = 319
 COR. DIR. 319+31 = 350°
 TOOL FACE 90L
 RUN BY ADR
 DATE August 19/89
 CHECKED BY _____



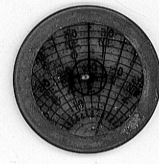
WELL DDH-FX-01-A
 DEPTH 1789 FT
 PICTURE NO. 2
 INCLINATION 21° = -69°
 OBS. DIR. S08W = 188
 COR. DIR. 188+31 = 219
 TOOL FACE _____
 RUN BY ADR
 DATE August 19/89
 CHECKED BY _____



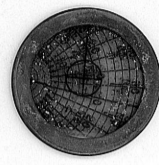
WELL DDH-FX-01-A
 DEPTH 1589 FT
 PICTURE NO. 3
 INCLINATION 20° = -70
 OBS. DIR. N25E = 25
 COR. DIR. 25+31 = 56
 TOOL FACE 90L
 RUN BY ADR
 DATE August 19/89
 CHECKED BY _____



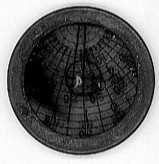
WELL DDH-FX-01-A
 DEPTH 1389 FT
 PICTURE NO. 4
 INCLINATION 19° = -71
 OBS. DIR. NE1E = 21
 COR. DIR. 21+31 = 52
 TOOL FACE _____
 RUN BY ADR
 DATE August 19/89
 CHECKED BY _____



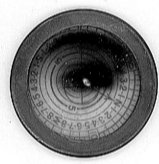
WELL DDH-FX-01-A
 DEPTH 1189 FT
 PICTURE NO. 5
 INCLINATION 17° = -73
 OBS. DIR. N16E = 16
 COR. DIR. 16+31 = 47
 TOOL FACE _____
 RUN BY ADR
 DATE August 19/89
 CHECKED BY _____



WELL DDH-FX-01-A
 DEPTH 989
 PICTURE NO. 6
 INCLINATION 16° = -74
 OBS. DIR. N11E = 011
 COR. DIR. 011+31 = 042
 TOOL FACE _____
 RUN BY ADR
 DATE August 19/89
 CHECKED BY _____



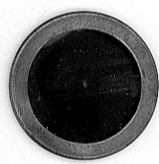
WELL 89FX-02
 DEPTH 269
 PICTURE NO. 1
 INCLINATION 11°
 OBS. DIR. N30°W 330°
 COR. DIR. 330+031 = 011
 TOOL FACE _____
 RUN BY T. BARTON
 DATE AUG. 23, 1989
 CHECKED BY _____



WELL 89FX-03
 DEPTH 1039
 PICTURE NO. 1
 INCLINATION 6° = -84
 OBS. DIR. N46E = 046
 COR. DIR. 046+31 = 077
 TOOL FACE 90L
 RUN BY _____
 DATE Aug 29/89
 CHECKED BY _____



WELL 89FX-03
 DEPTH 839
 PICTURE NO. 2
 INCLINATION 6° = -84
 OBS. DIR. N42E = 042
 COR. DIR. 042+31 = 073
 TOOL FACE 20L
 RUN BY _____
 DATE Aug 29/89
 CHECKED BY _____



WELL 89FX-03
 DEPTH 639
 PICTURE NO. 3
 INCLINATION 5° = -85
 OBS. DIR. N42E = 042
 COR. DIR. 042+31 = 073
 TOOL FACE 20L
 RUN BY _____
 DATE Aug 29/89
 CHECKED BY _____



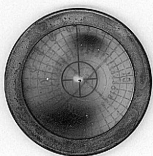
WELL 89FX-03
 DEPTH 439
 PICTURE NO. 4
 INCLINATION 4° = -86
 OBS. DIR. N54E = 054
 COR. DIR. 054+31 = 085
 TOOL FACE 20L
 RUN BY _____
 DATE Aug 29/89
 CHECKED BY _____



WELL 89FX-03
 DEPTH 239
 PICTURE NO. 5
 INCLINATION 1° = -89
 OBS. DIR. N66E = 066
 COR. DIR. 066+31 = 097
 TOOL FACE 20L
 RUN BY _____
 DATE Aug 29/89
 CHECKED BY _____



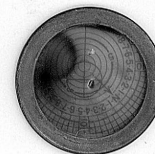
WELL 89FX-04
DEPTH 1218'
PICTURE NO. 1
INCLINATION 2° = -88
OBS. DIR. N60W = 300
COR. DIR. 300+31 = 331
TOOL FACE 20L
RUN BY LCP
DATE Sept 5/89
CHECKED BY _____



WELL 89FX-04
DEPTH 1018 feet
PICTURE NO. 2
INCLINATION 1.5° = -88.5
OBS. DIR. N47W = 313
COR. DIR. 313+31 = 344
TOOL FACE 20L
RUN BY LCP
DATE Sept 5/89
CHECKED BY _____



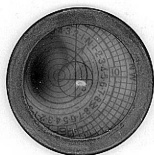
WELL 89FX-04
DEPTH 818 feet
PICTURE NO. 3
INCLINATION 2.5° = -87.5
OBS. DIR. N45W = 315
COR. DIR. 315+31 = 346
TOOL FACE 20L
RUN BY LCP
DATE Sept 5/89
CHECKED BY _____



WELL 89FX-04
DEPTH 618 feet
PICTURE NO. 4
INCLINATION 2° = -88
OBS. DIR. N74W = 286
COR. DIR. 286+31 = 317
TOOL FACE 20L
RUN BY LCP
DATE Sept 5/89
CHECKED BY _____



WELL 89FX-04
DEPTH 418 feet
PICTURE NO. 5
INCLINATION 3° = -87.5
OBS. DIR. N67W = 298
COR. DIR. 298+31 = 329
TOOL FACE 20L
RUN BY LCP
DATE Sept 5/89
CHECKED BY _____



WELL 89FX-04
DEPTH 218 feet
PICTURE NO. 6
INCLINATION 1.5° = -88.5
OBS. DIR. N54W = 306
COR. DIR. 306+31 = 337
TOOL FACE 20L
RUN BY LCP
DATE Sept 5/89
CHECKED BY _____

