

LEVEL BOOK

#101596

PELICAN BAY WELL

FIELD # 1

26° 16.568' N

81° 45.217' N

 BEN MEADOWS COMPANY

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When

the
Outdoors

is Your

Office™

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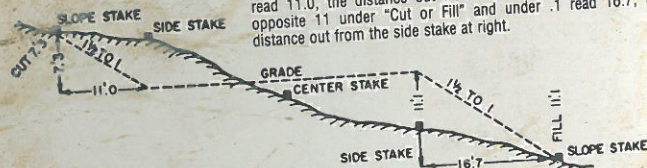
WELL NAME/NUMBER PAGE #

SECTION 5

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	Distance out from Side or Shoulder Stake																		Cut or Fill
	0	.1	.2	.3	.4	.5	.6	.7	.8	.9									
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0								0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1								1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2								2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3								3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4								4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5								5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6								6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7								7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8								8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9								9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10								10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11								11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12								12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13								13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14								14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15								15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16								16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17								17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18								18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19								19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20								20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21								21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22								22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23								23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24								24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25								25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26								26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27								27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28								28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29								29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30								30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31								31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32								32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33								33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34								34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35								35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36								36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37								37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38								38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39								39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40								40

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The paper in this book is
made of 50% high grade rag stock with
a WATER RESISTING surface sizing.

[illegible]

26° 10.420' N
81° 45.041' W

PBWF #1

26° 16.568' N 34
81° 45.217' W 13

COLIER COUNTY UTILITIES
3301 E TAMiami TRAIL
BLDG H
NAPLES FL 34112

10-24-01

CB, CB

6:30 AM

LIMERX SPREAD ON SITE ?
BROUGHT UP TO GRADE DURING
DOWN WEEK. BACK RIG INTO
POSITION ? DOWNWARD FLATBED.
TAKE FLATBED TO PELICAN CAY
TO P/U REST OF PIPE. RIN
TO SITE ? CONTINUE SETTING UP
SITE. WAITING ON KEY TO START
WELL. HANG DIG 0-2'. HIT BEDROCK
AT 2'.

0-1.5 FILL

1.5-2 TAN/ORANGE CLAYEY SAND.

REAM HOLE W/ WINGBIT TO SET
CIRCULATION PIPE. P/U KEY TO
WELL @ PELICAN CAY.

END DAY 4:50 PM

10-25-01

6:30
CS LG → 8:00

CS TO GARMENTS IN FT MYERS
TO P/V PALETTE OF QUICK CIL
: 12 BAGS HOLD PULG. TO SITE.
2 BAGS HOLD PULG. ALONG CIRCULATION
PIPE. ADD H_2O , LET SET UP.
DOWNLOAD MUD, FILL PULG. FILL
HOLD TRUCK : TUBE W/ H_2O .
MAKE BAGS, CLEAN OUT BACK
OF TRUCK. CENTER RIG. PLACE
5' CORE BARREL W/ INNER BARREL
: DEVIL'S NIGHTMARE B.T. RE STAGE
ON INNER BARREL.

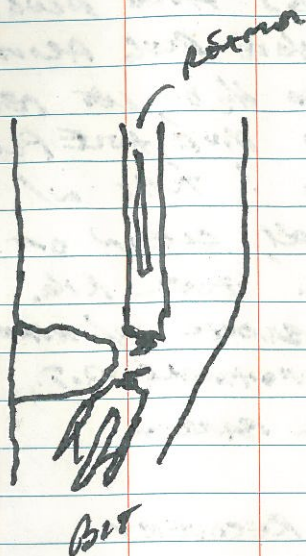
2-7' NO RECOVERY

SWIFT TO CRACKER JACK BIT
: EXTENSIVE SURF.

7-8

7-14

Borehole



BOULDER 3' DOWN CAUSING
DRILL STEM TO SLIP RUP
IN 7 7/8" REAMER TO CHISEL
UP BINDER KNOW CIRCULATION
PIPE PRESS REVEAL

END DAY. 5:30

10-26-01

OS, CA

7 AM

BEGIN WORKING CIRCULATION TUBE
STILL NOT REACHED PIPE.
RUN 7 7/8" REAMER TO CUT OUT
RX: PLACE PIPE LOWER:
REVEAL HAND DRILLING. BIT
BREAKS AND REAMER APPEARS
THROUGH RX. ABLE TO GET BIT
OUT: UNUSUAL. HOLE IS
STRAIGHT. TUBE ABLE TO MAKE
8' RUN IN HOLE TO 7' O.S.
REVEAL W/ BENT. GROUT. BEGIN
WORKING

14.18 NO DEC LOST CIRCULATION.

CLEAR UP, LOCK UP.
END DAY 6:30 PM

10-27-01

CH, CB

6:30 am

TO HOME DEPOT, WAL MART TO
LOOK FOR RAIN GEAR, NONE WORTH
BUYING. ARRIVE @ SITE. MIX
MUD HEAVY & HOLE STAYS
OPEN & REMAINS COME BACK. GOT
BTNS.

18-22 GR. Foss LS. OYSTERS PRESENT
AS WELL AS OTHER MOLLUSCS.
6" REC. PUGHED STAYS.

22-27 GR F SAND SILT. 100% REC.

27-32 SHELL 2' REC.

32-37 GR F SILT/CLAY

37-42 AS ABOVE

42-47 AS ABOVE

47-~~48~~⁵⁰ AS ABOVE, Rk @ ~~85~~ 48.5'
REMAIN w/ EXTENSIVE STAYE

50-54 GR Foss LS, PUGHED

54-57 AS ABOVE. LAST 1' VERY
STAYE.

CLEAN UP, WORK UP
END DAY 4:30

Slip #

~~6063~~ 6063-FK1

AAA also stamped on slip

NP: 2 3/4" 00

6063-K1

for ND

1991

A 665

10-28-01

CS CS

6:30

57-62 6" CLAY LENS 57-57.5.

~~57.5~~ MIGHT BE SLUFF

57.5-62 GR FOSS. CS, OXIDE

62-67 62-65 AS AD. VT. 65-67. -

WHITE FOSS. CS.

PULL NP. RND IN 7 3/4

REMARK. RND TO 50'. SET 6"

PVC CPG TO 50'.

11-13-01

6 - 2645
AS LB

NEW HQ SLIP TOO SMALL
JET TO BTM @ 62.0' SW

67-70 GR FOS MOLDIC LS. 100% REC

70-75 AS ABOVE. 100% REC

75-77 AS ABOVE. 100% REC

100 PSI KELLY PRESSURE

1200 AM IN SPD DEAR

75 PSI DOWN FORCE.

77-82 AS ABOVE. 100% REC

82-87 AS ABOVE. 100% REC

87-92 AS ABOVE TO ~91. 91-92

V. SOFT POORLY CONS. LS w/

2-3% CLAY. 100% REC

92-97 GR FOS MOLDIC LS w/ INTERMIT.

SOFT POORLY CONS. LS w/ INTER.

92-102 VERY SOFT. HAS TO PULL 10'

OF ROD : PUMP HERE CLEAR.

VERY SOFT DRILLING. NO RESS

NEEDS PIERCE

ROD. STUB

B0337 CIRC
CABLE CA

- 102-107 GR PINKY MUD CL.
VERY POORLY CONS. POOR SEC.
107-112 GR & CL SAND. 2' REC.
~~POOR SEC.~~ DARK GR. SAND.
112-117 AS ABOVE LAST 6" HARD
DENSE SANDY CLAY. DRY.
2" REC. LAST 2' VERY
DIFFICULT. 260 PSI FEEL PLUGGED
SAND.

CLEAN UP

LOCK UP

END DAY

CB 7pm

LT 6pm

RED CORE CATCHERS

2 1/4" O.D. @ BASE

11-14-01

OS, US

6am

MIX MUD. MUD PUMP STARTS
WORKING, PISTON RODS CAME
UNTHREADED. PUT BACK TOGETHER
WRONG WAY. FIX. PUT BACK
TOGETHER. START MUD PUMP.
PUMP NEED PRIMING. PRIME
PUMP WORKS GOOD

117-122 GR POORLY CONS. SS W/
INTERMITT. LENSES OF GR
F SAND.

122-127 GR F CL SAND W/ SHALE

127-127.5 TAN F-CL SAND ?

POORLY CONS. SANDSTONE.

127.5-130 GR F SANDSTONE W/
SAND LENSES. LOST CIRCULATION

130-132 CAVITY. GR SS @ 132'

132-137 GR. FINE. MUDIC SS W/
CARB. MUD. W/ SAND LENSES
SAND WASHING AWAY.

137-138 GR CL SHELL SAND

139-142 NO SAND

142-147 LT GREY/DK GREY CARB. SS
MOLDIC. 6" REC

BEGAN NEXT RUN. CUTTINGS
IN HOLE. STILL NO CIRCULATION
BEGN TIGHTENING UP. DRILL
ROD GOT STUCK. RUN N.P.
WANT TO REAM TO 2140
w/ 5 1/4".

CLEAN UP

LOCK UP

END DAY 5 PM

11-15-01

OS LS

6 am

CLEAN UP TRAILER. CANNOT
FIND $2\frac{1}{2}$ " API X MAYHEW JR
NEED TO GET ME. CANNOT USE
NEW $5\frac{1}{8}$ " ROUSE BIT W/OUT
LUG. WE USE $5\frac{1}{8}$ " LONG BIT.

BEGIN REAMING. REAM TO 140' BLS.

MUD PUMP KEEPS LOSING ALIAS.

PRIME PUMP 3X. SET 4" CSG

147-152 OR FOSS. MOLOIC LS.

152-157 AS ABOVE. BENT SHAPE - EXTENDED

HAVING DIFFICULT TIMES W/
CORE RECOVERY. CHANGING
RAPIDLY FROM SAND TO RK.
RK PLUGS SHAPE IN EXTENDED
SHAPE SAND FALLS OUT OF
RK SHAPE

END DAY 5:30

11-16-01

CS, US

6 AM

p/s SUPPLIES @ Home DEPT,
ETC. BEGIN WORKING.

157-162 CLAYEY SAND @ TOP INTO
GR SS INTO GR SANDY CL
AT BOTTOM OF ROP. 2' of REC

162-167 GR SANDY CLAY. SAMPLE IS DRY &
HARD.

167-172 INTERMEDIATE OR. GREY SANDY MUD
CLAY w/ POORLY CONS. LS.

172-177 NO SAMPLE, CHECK HALL IN
MINERAL TANKS w/ R/R
DEBRIS.

177-182 177-177.5 LT. GR SANDY CLAY
w/ LIME

B. 177.5-182 DK GR/OLIVE GREEN
CLAY.

182-187. PENN SAMPLE. DK OR GR/
OLIVE GR CLAY.

187-192 DK GR / OLIVE GRN CLAY

192-197 AS ABOVE

197-202 LT GR PHOS CLAY w / SAND &
CALCARENITE

202-207 AS ABOVE

207-212 LT GR POORLY CONS. SAND & LS
POOR REC. INTERMITTENT RX
CLAY ZONES

212-217 AS ABOVE.

217-222 DK GR / OLIVE GRN CLAY.
POOR REC.

222- SW

OK 11-17-01

03 LBS

64m

222-227 SWITCH SAG TO SLIGHTLY
EXTENDED W/ METAL CURE
CATCHER. GR/OLIVE GRN CLAY.

227-232 PERM SAMPLE. AS ABOVE W/
INTERF. BY LATERALS.

232-237 GR/OLIVE GRN SANDY CL

237-242 AS ABOVE

242-247 AS ABOVE

247-252 AS ABOVE, LAST 6" GR FINE.
MOLIC LS

252-257 GRAY FINE MOLIC LS.
POOR FINE.

257-262 GRAY FINE MOLIC LS
WELL FINE FLOWING.

262-267 AS ABOVE. BUREAU FLOWING
15 gcl/min.

ADD 15' or 4" LSH.
13' HANG, FINE STOPPED.

END DAY

11-18-01

CS, LB

74

267-270. FORGOT INNER BAL

APESIAN FLOW INCREASINGLY

PIKE NO, SET KEY ON
4" of S.M.

COEN UP

LOUE OF.

ERM DAY

4-27-01

03 10

6m

HOLE CAPACITY:

VOL 44

$$47' (.57) \sim 26.79$$

$$223' (.35) \sim 78.05$$

104.84 gal

270-275 GR/SACK FINE MEDIUM SANDSTONE
W/ FINE OYSTERS PRESENT.
HOLE FLOWING @ 300 gal/min.

PUMP QUICK CEMENT VISCOSITY OF
31. IN 270 gal tub ADD
2 lbs/gal OF BARRA 200.
ADD 50/51 BARRA 200.

PUMP INTO HOLE. MUD IS
THICK ENOUGH TO HOLD
PIPE HEAD. MIX ANOTHER
TUB A LITTLE VISCOSER.

275-280 GR/BLACK FOSS/MOLAR SS
w/ PHOSPHATE & OYSTERS

280-282 AS ABOVE w/ SANDY AND
CLAY LENT.

282-287 HS. MO. IC TO SOFT POORLY
CONS. FOSS. MO. IC LS

287-292 VERY SOFT. GREY FOSS. MO. IC
LS w/ OYSTERS.

292-297 AS ABOVE. VERY SOFT.

297-302 AS ABOVE. VERY SOFT

302-307 GREY POORLY CONS. SANDY LS

307-312 VERY SOFT. 307-312

GREY CLAY. CLAY TO POORLY
CONSOLIDATED MO. IC LS

312-317 HARD. GREY FOSS. MO. IC LS
FRACTURES EASILY. HOW
IS NOW TAKING MW

CLEAN UP

LOOK UP.

END DAY 6M

HOME DEPOT

PIPE FITTINGS

WOODS

CRAYONS / CHALK

1" x 2' or 18" NIPPLE

1" COUPLING

PH KIT

ROUND WIRE BRUSHES

NO X MAYHEW

MILLS

x 130



50 x 100



11-28-51

OS, CO

6A

317-322 GR FOS MOLDIC LS

322-327 AS ABOVE. INNER BEL NOT WORKED IN. TRY TO PUMP CORE-BEL

CLEAR. NO LUCK MIX HEAVY MUD TO SURVIVE FLOW.

PULL NO. SWITCH TO 10' CORE. INNER BEL RUN NO. BACK IN HOLES TO 327.

327"

PH METER 42.50
SALT METER 75.00
(2) PARTS 480.00 x 2
(1) QUICK GEL
4"
MATTHEW JR

1-9-02

CS, LB, EM

5:30 AM

P/O CARGO TRAILER SET UP,
CREASE UP. LASH 140' 3" NW

CS6 INTO HOLE MIX MUD

SUPPRESS FLOW. PUMP MUD TUB

CLEAN SIGHT FROM SCORAK

VISCOSITY: 34, ADD PARTS.

MUD WEIGHT: 9.7

PULL NW TO 320'

END DAY 6:30

1-10-02

MS, LG, EM 742

DU BARITE @ GERMANS IN
FT. MYERS. ACCIDENT ON
75. 24K UNIT. ARRIVE
SITE ~10 AM. LOWER 312'
NO INTO HOLE AFTER MUDGING
UP HOLE & 4" TO 3" ANNUALLY.
MIX MUD, BEGIN CIRCUIT.

327-329 GR FINE MUD & LS. DOWN
HOLE PRESSURE @ 200 PSI.
MUD TOO THICK.

329-332 FLOOD MUD w/ CLEAN H₂O.
DOWN HOLE PRESSURE TO
200 PSI. GR FINE MUD &
LS

332-342 CONTINUE DRILLING w/
CLEAN H₂O. PRESSURE TO
200 PSI. GR FINE MUD &
LS w/ SALT 20% @
332.5 & 342.

342-352 MIX LOW VISC. MUD
w/ RAGITE. SUPPRESS FLOW.
DOWN HOLE PRESSURE @ 250 PSI
GR GRANISTONE. POOL TO
MID. CONSOLIDATION. CARB.
CLAY CEMENT.

352-362 GR GRANISTONE TO GR
FOSS MOLDIC LS

362-372 GR/TAN FOSS MOLDIC LS
TO GR/TAN CLAY w/ SHELL
(OYSTERS OR PECTEN?) TO
GR/TAN POORLY CONSOLIDATED
LS, LOST CIRCULATION
@ ~~360~~ 370.

END MUD
1 PM

11-22 CS, LB, EM TAN

TO GRAMMIS, S/O CALITE
RTN TO SITE. EM BACK
TO GOLEND TO P/S MUD

372-382 GR/TAN CLAYST CS. MUD
MUD, GOT RTN BACK

382-392. AS ABOVE TO 386'. 386-391
GR/TAN SANDY CL W/ CS.
391-392 - GREEN FOS CLAY.

392-402 DK GREEN CLAY TO 394. CL/TAN
SANDY CARB CLAY TO 400'.
GR MOLIC FOS CS, HARD TO
402.

402-412 GR FOS MOLIC CS. VERY
HARD.

412-422 TAN FOS MOLIC CS CLAY
LENS @ 414. CLAY LENS
~4' THICK BUT PUSHED
OUT OF INNER SPACE. CLAY
NOT FAN ENOUGH TO
PUSH INTO HOLE.

422-432 GR FOSI MASH U

432-442 GR MASH FOSI CS TO

GREY CL SAND. WASHED OUT
4! TO GLOF MASH. CONE
CS

DM, HEAVY MASH
SURFACE FLOW.

6:30

CS BUT DIRT IN EYE. WAS
WEARING SAFETY GLASSES.
POSSIBLY SCRATCH ON EYE.

NEED:

1" BALL VALVES

ACETALYNE

SHARPIES

2" 1000 PSI GUAGE

1-12-02

CS, LB for

6-70

PULL NQ. ADVANCE
3" CASING TO 440.
RUN IN NQ. TO 440.

442-452 GR FISS MOOR CS TO
GR CS w/ CARB CLAY. w/ 1 Hrs.

452-462 INTERMITTANT ZONES OF
GR MOOR, FISS CS & GR
PHTS. CLAY.

462-472 INTERMITTANT LENSES OF
GR, PHTS, MOOR CS & GR
PHTS. CLAY

472-482 AS ABOVE

482-492 AS ABOVE

492-502 GR PHTS PROBABLY CONT. CS.
TO GR DRY PHTS. CLAY.
SWITCHED TO SHORT
EXTENDED SHORT w/ RP
CAPUTER

END DAY 6-30

1-13-02

CB, LB, SW

7A

ALL NO. DRILL IN
3" NW TO 500' PUT
4" DRIVE HOLES ON S
CONNECT TO KELLY. NO
FLOW. APPEARS FLOW IS
CUT OFF.

PICK UP

CLASH UP

LOAD UP.

END NAT.

(2)

2-5-02

OS, LB

6³⁰

RIG MAINTENANCE DAY.
P/U 380 GAL MUD NOS.
ATTACHED 2 NOS TO GETHER.

END DAY

6³⁰

2-6-02

OS, CT

6³⁰

REPAIRING BYPASS VALVES
TO PUMPS TO DRILLER
SIDE. TUP 502' NP
INTO HOLE

502-505 CR CANYON SAND, PUMP

PLUGGED OFF. ROLL NP.

END DAY

5³⁰

2-7-02

03, CB

6⁰⁰ AM

REACE LOCKING COUPLING
ON CORE SRL ADJUST
INNER BLS TRIP IN
502' NO. WASH IN.

505-512 GR-DK GR PHOS CLAYEY SAND

512-522 GR / HWS CLAYEY SAND TO
SANDY CLAYEY TO POORLY CONS

522-532 INTERMITTENT CLAY / RK
LENSES. LS W/ CLAY
STRINGERS

532-542 POOR REC. GR MUDCL W/
W/ INTERMITTENT GR CLAY
LENSES. PHOS.

542-552 GR LS W/ INTERMIT. LENSES
OF GR SANDY CL.

552-562 AS ABOVE

562-572 AS ABOVE

300 GR

800 RPM

200-220 PSI PRESS.

6000 LBS

END DAY

6-30

2-8-02

OS, LB

6th

572-582 GR/OLIVE GRN CLAY w
LS LENSES IN SOFT MATRIX

582-588 GR LS TO GR SOFT CLAY
w/ LS PEBBLES

588-596 GR LS/CLAY

596-600 GR LS w/ SOFT MATRIX
MATRIX WASHED OUT

600-610. 600-603 DK GR CLAY.

602-606 LT. GR CLAY/LIME

606-607 DK/GR CLAY/LT GRAY
CLAY/LIME

607-608 GR LS

608-610 GR CLAY

610-620 GR FINE LS, MUD GR TO
GR CLAY w/ LS PEBBLES

620-630 GR w PEBBLES. MATRIX
WASHED OUT. POOR REC

630-640 GR LS/CLAY.

640-650 GR MUD. LS

650-660 GR MUDCL W/ INTERANG.
SAT BEAS. SAT SEW WASHING
OUT.

660-670 AS ABOVE

670-680 AS ABOVE

END MY

2-9-02

CS LB

are NO. Run ~200g/m
~~are are~~ Run 3" casing
to 600'. off hole

5m off

2-26-02

CA, CB

6th

PUMP OFF ON MV. MIX
NEW MUD W/ BARITE WEIGHTED
MUD INTO 3' TO 5' HALLS
FILL. RUN NG INTO 6'.

2-27-02

CS LB

64

680-690

GR MUD OIL, FWS CS.

690-700

AS ABOVE

700-705

AS ABOVE, SPICED PRESSURE
BLW KELLY HOLE

ORDER NEW KELLY HOLE
25' @ 1500 PSI

END. 4pm

2-28-02

CS US

6⁵⁰

TAKING OFF OLD KENT HALL
P/U NEW ONE & REPLACE.
REPAIR BYPASS LINE.

END 7:30

3-1-02

03 LB

6

700

705-710 GR MOLAR, FULL, LS. FLATNESS
EASILY CRACK IN PLACES.

710-720

GR, FESS, MOLDIC LS
50% REC

720-730

INTERMITT. GR FESS, MOLDIC LS U/
GR SHELLY CL

730-740

3RD GEAR, 1200 RPM, 200 PSI
KELLY. GOOD SMOOTH RUN.

20% REC INTERMITT. LS/
CLAY LENTILS. GR FESS MOLDIC
LS. NO STAIN

740-750

2ND GEAR. 1800 RPM.

CRACK BYPASS. 160 PSI KELLY.

747-748.5 CAVITY

GR FULL. MOLDIC LS.

50% REC

750-760 2ND GEAR, 1500 RPM, 100 PSI KELLY
758-758-CAVITY BRN/CR
MUDIC DOWNHOLE US
90% REC

760-770 2ND GEAR, 1500 RPM, 200 PSI K
200 PSI FREQ. 763-765-CAVITY
BRN BRITTLE DOWNHOLE
■

770-780 774-776 CAVITY HS 4301
AS ABOVE

780-790 2ND GEAR, 1500 RPM, 180 PSI K
KELLY, NO FREQ. SM. 781
SLOW DRILLING, FREQUENT
BR/BRN FISH DOWNHOLE
CALCITE PRESENT IN MUD

790-800 CR FOR DOWNHOLE
MUDIC US 70% REC

END DAY 4 PM

3-2-02

CS, CS

6

800-810 3RD GEAR. 1400 RPM. 280

PSI KELLY, NO FEED. POK

REC. BITS & PIECES

OLIMPIERO LS. FRS

MILDIC

810-820 2ND MILDIC, FULL LS.

820-830 RUN IN INNER BSM

W/ IN. RELEASE NUT

RELEASE. FULL

INNER BSM HUNG UP.

3/16" CASE BREAKS

ALL NG.

3-13-02

OS, US

p/u 3/16" CABLE @ 1500
CART. SLING. UNSPOOL RD
3/16" CABLE, SPOOL ON
NEWER CABLE. SET UP HOOKS

3-14-02

OS, US

WANT TO SPIN IN 3"
TO 500' BUT CHAIN
WILL NOT HOLD
3" CABLE TOO HEAVY CAN
SUPPLIES ABOUT CABLE. CLAMP
ORDER OVERNITE. R16
MAINT.

3-15-02

03, 04

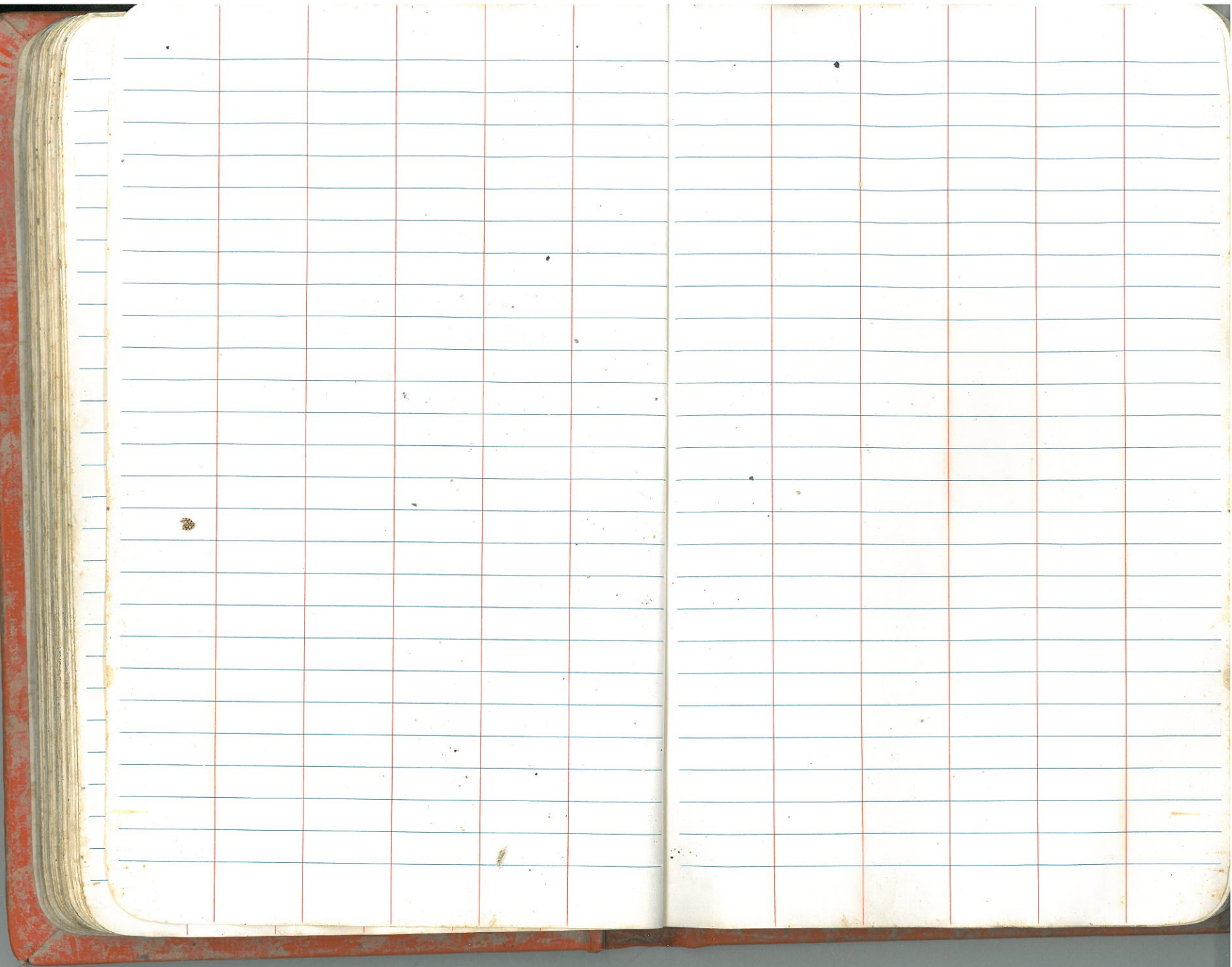
PLA MINT

3-16-02

03, 04

RECEIVED CSQ. CLAMP.
RUN IN 3" TO 750'

END DAY



HOME DEPOT / LOWES

AB BLASTER

SCREWDRIVERS

→ TOOL CHEST

CRAYONS

24" AL. PIPE WRENCH

SMALL TOOL BOX

HAMMER

NAILS

HACKSAW BLADES

ATLANTIC

BITS

DOPE

4-9-02

CB, LB

5:30 AM

BEING 200' IF MAYHEW JR
FROM T.H. RUN IN NQ. TO 180'.
PULL INNER BEL. SPIN & PUMP
IN LAST 80' NQ.

820-830 NO SAMPLE.

INNER BEL WILL NOT LOCK IN
RX IN PIPE. PULL 40' NQ
& PUMP. FINALLY FOLLOW PULLED
RD OUT OF PIPE. PUMP
INNER C/L TO BOTTOM.

830-840 BE/TAN PMS US. PUMP REC

840-850 AS ABOVE w/ AT CLAY

850-860 AS ABOVE

END DAY 9

4 10 02

03 US

64

860-870 GR MOLDY VAGGY LS

COLLECTED CUTTING, CORE REL
POOR

870-880 GR CALC. CLAY w/ INTERMITTENT
GR LS. COBBLES.

870-880 NO REC.

880-890 AS ABOVE

890-900 AS ABOVE

TD.

DIFFICULT TIME GETTING
INNER REL TO BOTTOM OF
NQ ON EACH RUN
CAUSE NQ IN HOLE, PLACE
ON BOTTOM 1 CM 4" OR

END DAY 5 PM

4-11-02

00, LB

6am

miss mrs w/ Barite
pump to Bottom then
NQ. Pull NQ. LADS
NQ in H₂O TRUCK, put
MAYHEW in anti TRAILER.
Get set up for
Logger, STEVE MILLER.

4-24-02

OS LB

630

D/O 1000' 1 1/4" X 1 1/2" X 1 1/2"
APR. GET SET UP TO
BACKFILL HOLE TO 460' BUS
CONTINUOUS RIG WORK

END.

630

4-25-02

OS, LB

530

MIX 1000

VISC:

WEIGHTS: 11.4

PULL TO 540'. PUMP
ZORGEH MORE 100' MWS
INTO HOLE PULL TO
150' BUS. PUMP 400' MWS
MWS. PUMP REMAINING
3'.

END DAY

KRETHUNG, INC

1428 E. WILKINS PASS RD

941-597-3162

N 0541

E WILKINS PASS RD.

COLLIER CT'S WASTE H₂O

RICH TRONE - OWNER

941-591-0186

4-26-02

03, 10

530

5-7-02

CS, LB, FR

4 AM

MEET @ SITE. SET UP
LIGHTS. UNPLUG HOLE (4")
RUN IN NQ TO 900' DID
NOT NEED TO SPIN OR
JET TO GET IN. MIX
GROUT 5.3% BENTONITE/
PORTLAND. MIX. MIX 90 gal
pump through NQ. pull
160'. MIX 90 more gal
pump through NQ. pull
80 more feet. MIX 70 gal
more. pump through NQ.
pne REMAINS NQ. CLEAN
PIPE & SETS END MAN

LB FR

2 PM

CD

p/o CMC @ CONSULTANTS
PROBABLE

5-8-06

C3, C3, ER

San

RUN IN NO PAKE IN HOLE
TAKEN BOTTOM ON TOP OF
CEMENT @ 760' B.S. per
INNER ALL MIX 200 gal
5.34. Best/Port mix &
THERIE INTO HOLE ~~per~~ per
NO TO 440 BS pump
1 TO 10.4 BENTONITE
SEAL NO 5 4" w/ foam
PACER. LET SET UP.

ER TO MUEL 12M
93 C3 IS NEXT SITE CHECK
ON CROWS, etc. make sure
water not flow.

ER KIDS

TRIP NO, BACK IN TO 4

NQ BACK TO 560'.
MIX 100 GALL POTRANO/
BERT. MIX AND PUMP.
PUL NQ BACK TO 340' ?
SEAL IN 4" CLEAN ON
LOCK OR

END DAY 7:30

FELCHSON CNT.
DUMESFAC AVE
GEORGE
643-4978

5-9-02

CD, LB, FR

5:30 AM

ARRIVE @ SITE BATTERIES
STOLEN OUT OF RIG. CAN
SHERIFFS AGREE TO FILE REPORT.
WILL SEND DEPUTY TO SITE
SEND LEE & FRANK TO FT
MYERS TO P/U NEW BATTERIES
@ INTERNATIONAL REMEDIAL
CANY WAIT ON DEPUTY TO
FILE REPORT. REPLACE
BATTERIES.

RUN IN NG TO 640'
PULL INNER BL. FILL
W/ GREEN CEMENT. PULL
NG BACK TO 560' SEC
MIX 100GL & pour

5-10-02

CH, LA, FR

SEA

NO ROD LOCKED IN HOLE
TRY PULLING, PUMPING, SPINNING
NONE WORK. BACKSPIN

ROD NOT PULL NO BOTTOM

ROD FUSED w/ GROUT.

3" CORE BAR & 1/2" NO

STILL IN HOLE. TRY

IN 3" TO TRY & DRILL

NO OR NO SAVE HOLE

CANNOT GET 3" AROUND

NO PULL 3"

END DAY

5-11-61

CD CD FR 54

CD pl's PARENTS
POMONA, RUN TRUCK IN
HOLE - pump about
58 ASD.

END ASD

5-12-02

OB, LB, FR

6 AM

MOVE PIPE DOWN, LOAD
NO NEW H₂O TOUCH
GET READY TO PULL FRAME
TO DRILL WELL

NEED:

4" X 25 SUCTION w/ FEM Q.C.

6-11-82

CS, LB

TO FORD DEALER TO HAVE
E-350 COOKED @. MAKING SQUEAKING
SOUND. TO SITE BATTERIES IN
RUG = H₂O TRUCK STOLEN. TO
NEXT SITE TO REVIEW LOCATION.
TO FT. MYERS TO BUY NEW BATTERIES.
TO LAKE CORAL TO MEET w/
MARK PEARCE CONCERNING FINISHING
OLD WELL & NEW SITE

END DAY.

6-12-02

CS, US

TO SITE, INSTALL RIG

GETTOLIES, PRIME MOTO PUMP.

BEGIN MR W/ 7 7/8" ROLLER BIT.

RUN IN TO 250' WHERE HIT GAS

PULL BIT, SET 8" CSG. TO 47'

BUT PULL KELLY, REPAIR

SWIVEL NEED NEW SQUARE

PIPE ORDER NEW WASH PIPE

PACKING & O-RING.

END DAY.

6-13-02.

00, 00

NEW NASH PIPE ARRIVES 9:45 am
p/u 4" CSG 60 TO SITE.

REPLACE NASH PIPE BEGIN
DRILLING w/ 7 7/8" POWER BIT.

BLASS NOT STUPEO THERE

KEY BAR DOWN, GROSS NOT
END DAY

6-14-02

CB, CB

REPLACE MPT. LOWER BODY
OF SWIRE WIRE ON CONTACT
W/ KEN. ORDER NEW SWIRE,
W/ OLD SWIRE HARK WHETHER
I BEGIN DRILLING 7 1/2 R.B
IN. TO 87' BLS

END DAY.

6-15-02

CS, CB

DIP TUBE MAX MAX. 13.56 IN
DRILLING W/ 2 7/8" R.B.
DRILL TO 57'

6-25-02 CB, LB

TO SITE SET UP TO CONTINUE
drilling w/ 9 7/8" RB from
87'. SPUR IN.

TO FT. WILSON N. PL. NEW 4"
SECTION HERE - USED FOR
TRUCK. GOOD ON ROCK.

END DAY.

6-26-02 CB, LB

DRILL 87-107. LOSING
CIRCULATION. ADD 1 QT/100 GAL
22 MWD DRILL TO MUD. CLEAN
HERE DRILL TO 120'
BLASTER PUMPS STOP WORKING.
SHUT OFF PUMP TO CHECK ON
PUMP. RIG WORK REPAIR.
BATTERIES N OR CHARGED.
REPAIR ANTENNA.
BUY 5-8 TRAIL PUMP.

6-27-02

CB, LB

PUT IN NEW ALTERNATOR &
CHARGED BATTERIES. PUMPS NEW
PUMP. BEGIN DRILLING FROM
120' W/ 9 7/8" R.B.

END DAY

6-28-02

CB, LB

RIG WENT, START BATTERIES
AND CHARGE BATTERIES.
RIG MAINTENANCE. BATTERIES
WILL BE READY IN AM.

END DAY

6.29.02

US, CA

N/O BATTERIES PUT BATTERIES
INTO REG. DRUM FROM 120° -
140° REG. SHUT OFF BATTERIES
DEAD TAKE BATTERIES TO
INTERSTATE LEAVE FOR WEEK.
END DAY

7-8-02 CB, LB

p/u BATTERIES @ INTERSTATE
MET AND DISCUSS @
SITE NOT SHOWING ANY SHORTS
STORMS BLOW IN

END DAY

7-10-02 CB, LB

DRILL OF 7 7/8" RST TO
167' STORMS BLOW IN
END DAY

8-13-02 CB, CB

TO SITE. LEE NOT
FEELING GOOD. FEVER, ETC.
FIX MUD PUMP VALVES TO
REPAIR ~~SEAL~~ LEE TO HOTEL
CB TO WORK ON MUD PUMP

8-14-02 CB, CB, JW

TACK 1ST DAY LEE STAYED
@ HOTEL SEAL. REPLACE
VALVES ON MUD PUMP.
MUD MUD. STRINGS BLOW
IN.

8-15-02

CB, CB, JW

ORIN 7 7/8" RB FROM
167' TO 255' PUL
BIT, SET 4" PUC CSG TO
255' RUN IN TREMS.
MIX PROGRAM W/ 5% BENT
& TREMS TO BOTTOM
PUL TREMS

8-16-02

CB, CB, JW

P/L SAR. RUN IN
NQ TO 255'. ARE 255'
TO 300' BLE PUL NQ,
CAP WELL. STORMS.

8-17-62 CS, CH, JW

FOUN UP RUB. TOW OFF
SITE w/ TRUCK. CONTINUE
CLEANING UP SITE

#133

\$294.76

6" TO OUTSIDE

1" x 6" x 10" (4) 4.39

1" x 6" x 8" (3) 4.39

~~1" x 6" x 6" (1)~~

2 x 4 x 12" (3) 3.89

64 CARRIAGE BOLTS .19

64 FLAT WASHERS .4

64 NUTS 3.00 A

THOMPSONS
SALES 6"

2 EYE SETS

TAPES MEASURES
HAYS 1.36
SAYRE

TRIGONOMETRIC FORMULAE

TAX FREE MERCHANDISE
AUTHORIZATION

I hereby certify that I hold the following valid seller's permit number pursuant to the State Sales and Use Tax Law, and that the personal property listed below which I shall purchase from Depot, U.S.A., Inc. will be used by me according to the box id below.

Sale for Resale # _____

Export Sale (attach bill of lading)

Charities / Government P.O. # 11-04-039143-52C
(or attach letter of authorization)

Other _____

IN the event any of such property is used for any purpose other than retention, demonstration, or display while holding it for sale in the regular course of business, it is understood that I am required by the State Sales and Use Tax Law to report and pay the tax, based on the purchase price of such property.

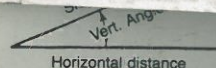
STATE OF FLA.

(Business)

DEPT. OF ENVIRONMENTAL PROT.

see Name

903 W. TENNESSEE ST



Horizontal distance = rise times (1 - cosine of vertical angle). With the same figures as in the preceding example, the following result is obtained. Cosine 5° 10' = .9959. 1 - .9959 = .0041. 319.4 x .0041 = 1.31. 319.4 - 1.31 = 318.09 ft.

When the rise is known, the horizontal distance is approximately: - the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft., slope distance = 302.6 ft. Horizontal distance = 302.6 - $\frac{14 \times 14}{2 \times 302.6}$ = 302.6 - 0.32 = 302.28 ft.

