

FAILING DRILL LOG

Forestry Suppliers, Inc.

1-800-647-5368

#49354 Level Book

1-30-01 →

6-30-01

18207 Volusia Co

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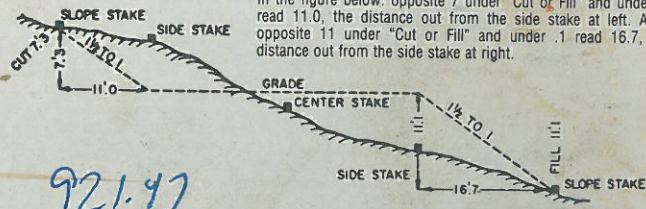
WELL NAME/NUMBER	PAGE #
W18207	6

305 930 1101 850-510-8352

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1 1/2 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.



921.47

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

386-736-3100 x111
305 815-7708

PHONE UNLOCK CODE 858

C-36 JAW

TNC 4

904-253-5815 CNE
904-253-2568 PUNE

1-4 PAST ADW TOWN

TO GORE ST. RT LAWE

TO 2ND LIGHT

W. MORELAND (L)

TO STOP GRAND ST. (R)

then (L)

JBF.

1-4 TO 95th 87C LPGA
(RT) 304Y LEAD TO NOVA

(RT) 2 LIGHT TO 4th ST
1100 NOVA

MAGGIE

253-0658

A 5M TRUCKING
904 421 0912

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

2.875"

4-18-77 2:51 PM
RGA 4/18/77

CONTENTS

VOICE MAIL
PHONE#

* WHEN ANSWERED

81958

7 REPLY

KEEP

3 DISCARD

CELL# 305-815-7708

TONEY DRILLING - MIAMI 800-432-6193

ORLANDO 888-327-2844

ATLANTIC DRILLING - RIMACH 800-535-7384

8m 569 8950 *calante* L250 800-752-9416

CHRISTENSEN BOYLES - 800-453-8418 TUM

FAK-A-LOCATE - 800-638-4097

TLH WELDING - 576-9596

US65-MIAM1-305-526-2895

SUFWND - 800-276-1066

TOM SCOTT 422-1310

KEN 545-8125 (MOB) 545-8073

668-4437

HARLEY 510-9555 (MOB)

668-2361

ERIC 668-5663

DAVE AQUIL 553-4540

DAVE 297-0058

FGS - PT MYERS - 941-338-2362

PAUL - 941-947-4348

Bob -

RUNNY SWEETER 904 736-5427 x2012

VOLUSIA Co. ENV.

M. D. AMERICA 352 854 1566

933-1906

HUGHES SUPPLY 407 843 1950

ORLANDO

CORBETT CRANES 386-252-1820

6875

7070N

165

4 1/2

MILLS MACHINE = JUNK

800-654-2703

JUNK MILLS

JAN DENNEY

KELLY PSI GAUGE
146885 SERIAL #

TYPE F 0-1000 PSI

4-25-01 HEADACHE RACK 2 1/2" x 2 1/2" x 4"

HOIST

5/8 - 200'

SAND PAIL

9/16 - 200'

BAILING

3/16 - 1500'

GALAXY / DELTONA #1

(1)

1-30-01

CB, EH, ICC

8AM START

RAIN, DRIZZLE

MEET AT W-HOUSE, WAIT FOR
TRAVEL APPROVAL. KEN STAYS TO
MEET WITH DIVISION OFFICE, MAY COME
LATER IN WEEK. CB, EH LEAVE TLM
AT 9:00 AM. CALL RANDY SLEISTER
W/ VOLUNIA CO. TO SET UP MEETING
TIME ON SITE. ARRIVE AT SITE 2 PM,
MEET W/ ERNIE. GET WATER TRUCK
UNSTUCK AND MOVE TO SITE. MOVE
SUPPORT TRAILER TO SITE. RIG GETS
STUCK. DIG RIG OUT NUMEROUS
TIMES. ERNIE BRINGS IN KUBOTA
TRACTOR. NOT BIG ENOUGH PLACE
SAND PINES UNDER WHEELS. STILL
DOES NOT GET RIG OUT. WINCH
ON RIG BREAKS.

6:30 PM END

SET UP CAMP

W# 18207

GALAXY/DELTONA #1

(2)

1-31-01

CB, EH

7AM START

RAIN

RAINED ALL NIGHT LONG. STILL RAINING OFF & ON. ERIC CALL AT 7AM TO TELL US HE HAS A BULLDOZER COMING TO SITE AND SHOULD BE AT SITE BY 9AM. CB, EH RUN WATER LINES FROM WATER TRACK TO LIBRARY. NEED ~150' MOLE TO REACH. ERIC DROPS CRAIG OFF AT RIG AND ERIC GOES TO ORANGE CITY HOME DEPOT TO GET MORE WATER HOSE. ALL NIGHT RAIN PACKED SAND AND CRAIG WAS ABLE TO GET RIG UNSTUCK. Drove RIG TO NEW SITE & GET STUCK TURNING RIG AROUND. ERIC RETURNS AND ADDS REST OF WATER HOSE. BULLDOZER SHOWS UP AND DRAGS RIG INTO POSITION ONTO SITE. ERIC WILL REGRASS TURN UP ROADS. SET UP ON SITE BY 11:30 AM. BEGIN DRILLING BY 2:30 PM.

(3)

GALAXY/DELTONA #1

1-31-01 2:30 AM STILL RAINING

CONT.

0-1.5' HAND SHOVELED. GR/TAN FINE SAND. HAD TO SHOVEL SAMPLE TO MAKE ROOM FOR SAMPLER.

1.5-6.5 PUSH. 5' CORE BARREL. TAN/ORANGE FINE SAND.

6.5-11.5 PUSH. AS ABOVE.

11.5-15.5 PUSH. TAN/ORANGE FINE SAND W/ ORANGE SAND STRINGERS.

15.5-19.5 PUSH. AS ABOVE TO 19'. .75" ORGANIC LENS TO 19.75'.

19.5-22.5 PUSH. BRN/TAN MOTTED FINE SAND.

22.5-23 PUSH. TAN FINE SAND. REFUSAL USING PUSH METHOD.

CLEAN UP/LOCK UP

6 AM END.

GALAXY/DELTONA #1

④

2-1-01

CB, EM

7:30 AM START

RAIN

RAINED VERY HARD ALL NIGHT.
SET UP RECIRCULATION SYSTEM,
DIG OUT AREA FOR MUD TUB,
MIX MUD. REAM HOLE W/
ROLLER BIT TO 23'. INSERT
CORE BARREL & INNER BARREL
TO 23'. BEGIN DRILLING.

23-30 TAN/ORANGE FINE SAND. 3.5'
RECOVERY. USED NO FEED.

30-35 GREY FINE SLIGHTLY CLAYEY
SAND. GOOD RECOVERY. USED
SMALL AMT OF FEED.

40-43.5 AS ABOVE.

43.5-48.5 GR/TAN FINE SAND. GOOD REC.
SMALL AMT OF FEED.

48.5-53.5 AS ABOVE

53.5-63.5 AS ABOVE W/ 1.5' INTERVAL
W/ CLAY CONTENT.

(5)

GALAXY/DELTA #1

2-1-01

CONT.

MIX MORE MUD. LOSE CIRCULATION.
HOLE TAKES MUD JUST MIXED.
MUD NQ. WHITE, SILTY, CLAYEY
SOFT SAND ON BIT. NEED TO
SET CASING BUT NOTHING HARD
TO SET STEEL CASING ON. NOT
ENOUGH PVC CASING ON HAND
LEAVE HOLE OPEN TO SEE
WHERE MUD SETTLES TO.

CLEAN/LOCK UP

6:30 PM END.

2-2-01
RAIN

CB, EH

7:30 AM START

BOTTOM OF HOLE IS 63.5' 25'
OF MUD IN BOTTOM OF HOLE.
TALK W/ KEN. DECIDE TO MIX
2 BAGS OF 20% SOLIDS
BENTONITE GROUT.

NEED

LONG ZIP TIES

(R16)

BREAK FREE

TAPE MEASURE 100'

25'

CUTION TAPE

(R16)

BUNGIES

(R16)

SMALL WIRE BRUSHES

RAGS

BUCKETS

SCISSOR BRUSHES

AIR TOOL OIL

STRING FOR WICKING

GALAXY/DELTONA #1

2-2-01

CONST.

RAIN.

TREKIE BENTONITE GROUT
TO BOTTOM OF HOLE. BRINGS
MUD TO 15' BLS. CLEAN
UP/TAPE OFF EQUIPMENT.
LEAVE RE SITE 11:30 AM

RTN TO TLH

6:15 AM END.

MILEAGE

1/31/01

DEP 4537

34663

WATER TRACK

12812

FAILING

4533 HRS

7426

SAMPLE TRAILER RNR 1799

DRAIN COMPRESSOR EACH MORNING

5 7/8 REAMER = 13' 1"

9
LOST CIRCULATION
@ 62.0' WHEN →
REAMING

2-12-01 GALAXY/DELTA #1

CB 8 AM

EH 8:30 AM

CRAIG TO W-HOUSE, P/U ERIC
+ LEAVE FOR VOLUSIA CO. ARRIVE
IN VOLUSIA AT 2 PM. UNLOAD
MUD, BENTONITE, DRILL ROD & CASING.
END DAY 5:30 PM

2-13-01

CB, EH 7 AM

MIX MUD

BENTONITE 31' BLS. REAM HOLE
W/ 5 7/8" REAMER
W/ MAYHEW IR PIPE. P/U AM TO
63'. PULL REAMER AND LOWER
4" PVC CASING TO 61.5'. TIE
OFF CASING TO RIG AND LOWER
CORE BARREL TO 42.0'. WASH
CORE BARREL TO 62.5', CIRCULATION
IS HOLDING.

2-13-00

NEED:

BREAK FREE

50' AIRLINE w/ ADAPTER TO

RIG AIR BRAKES. 9.76 + 4.54

HAND CLEANER 9.76

CHAIN VISE FOR 4" x 6"

WILKINS ROPE 2.78

W.P. WRENCH 1.66

WD 40 3.00

ROZIER PUMPING SUPPLY

OFF ON 4/6 E TO 1792 (4)

SANFORD 290.00

407 322 1762

CHAIN VISE FOR 4" x 6" STEEL PIPE

ATLANTIC 409.55

MIKE TONEY 295.00

DONNY MIDAMERICA

KWI

HUGHES OILFIELD 425.00

GALAXY/DELTA #1

8

63.5-69.5 TAN F AND. LAST 2'

DROPPED REAL FAST. CIRCULATION

WAS LOST AGAIN. PULL APE?

C.S. AND TRY TO PUSH CASING

TO 68.5. DID NOT WORK.

TRY TO TURN CASING IN, NO

WORK.

END DAY 6:30 PM

2-14-01

CH CH 7:30 AM

PULL 4" STEEL CASING OFF

WATER TRUCK. CHAIN VISE IS

BROKEN/MISSING. RUN TO DAYTONA

TO BUY NEW ONE. RTN TO SITE.

PULL 4" PVC CASING. INSTALL

4" STEEL CASING TO 76'. VERY

SOFT MATERIAL. NEED TO PUSH

CASING ~ 3'. COULD NOT PUSH

HARD @ 76'. ROCK? USE

75' OF 4" STEEL & 25' OF

PVC. USE HOLE PLUG AROUND

STEEL/PVC FITTINGS.

CLC PUMPS INC 904 789 5710

DELTONA

COLONIAL 904 736 2607

1319 S WINDMILLS BLVD

PLANS 904 775 2774

160 W GRADY AVE

ORANGE CITY

GORMAN 904 738 1318

111 VERMONT AVE. DELAND

ARC CASE

277.20 279.37

(9)
READY TO CORE! MIX MUD.
RUN IN CORE BARREL & NO.
SOFT OR NO MATERIAL 69.5 -
77.0' NO RECOVERY

69.5-77 NO SAMPLE

77-79 GREY FINE SAND

79-81 LOST CORE

PW6650 SAMPLER, TAN/CLAYEY
CLAYEY SAND W/ SS PEBBLES. 79
79.5. 79.5-81. WHITE/CLAY
CARBONATE, POORLY CONSOLIDATED
W/ LENSES OF SS.

CLEAN UP / WORK UP.
END DAY 6:30

GALAXY/DELTA #1

2-15-01

6:45 AM CH, EH

REPLACE ANTISIATION VALVE AT
LIBRARY & TURN ON H_2O . MIX
MUD. PUT IN INNER BARREL.

BEGIN CIRC. NO CIRCULATION

PULL C.B. AND PUSH CASING

81- TO 77.5' ~~PUT C.B. BACK IN~~

SWITCH CORE BARRELS TO 5'

CB W/ CARBIDE DEBURS

NIGHTMARE BIT. GOT CIRCULATION
BACK.

81-83 GREY MUDAR LS

RAN 1500 RPM IN SECOND
GEAR W/ 100 PSI FLOW

83-87 AS ABOVE. NO SAMPLE
85-87'

87-92.5 92.5-96 GREY MUDAR LS

92.5-96 92.5-96 GREY CARBIDE
MUD. VERY SUPT.

1 1/8" WRENCH
3/4" WRENCH
NEEDLE NOSE

GALAXY DELTONA #1 (11)

LOSING CIRCULATION. 94-96
HARD GREY MUDIC CS. PUMPED
HEAVY MUD DOWN HOLE, NO
RECOMMENDATION SWIVEL BINDING.
PULL PIPE, LOWER KELLY
INTO HOLE. HEX BOLTS AT TOP
OF SWIVEL COORE. TIGHTEN
BOLTS.

KEN ARRIVES 2:30

END DAY 4:45 PM

2-16-01 CB, EH, KC 7:15 AM

PREPARE TO PULL 4" STEEL
CASING SO THAT WE CAN REAM
TO 94'. SET 4" STEEL CASING
AT 91.5'.

96-99 GR/TAN POROUS LS
100 PSI PRESSURE DOWN HOLE
FOR MUD W/ BOTH STRASIES
WIDE OPEN. 1500 RPM,
GOOD RECOVERY.

99-104 AS ABOVE

104-108 AS ABOVE. POOR RECOVERY.
CRUMBLY.

109-111 NO REC.

111-116 NO REC.

116-121

121-126 3RD GEAR. GOOD REC.

126-130 3RD GEAR. GOOD REC.

MUD UP HOLE. CLEAN UP. MIXED
END DAY 6:15

GALAXY/DECTONA #1

(13)

2-17-01

CB, EH, KC

7:15 AM

BENT.
MIX BAG OF GROUT & PUMP
TO BOTTOM OF HOLE. RUN BENT.
GROUT ~ 20' UP/DOWN ALONG HOLE.
TRIED PNEUMATIC PUMP TO PUMP
GROUT DOWN HOLE. DID NOT WORK
WELL, SWITCH TO MUD PUMP FOLLOW
GROUT W/ 20 gal. mud. AND
MUD, MIX MUD, PLACE INNER BARE

130-132 GREY CALC. MUD W/ LS PENETR.
132-137 AS ABOVE TO 133. 133-137
GREY LS.

137-142 GREY FINE MOLDIC LS
142-144.5 GREY LS TO GREY CALC.
MUD.

144.5-145 PULVERIZED GREY CALC. MUD
145-149.5 INCREASE DOWN HOLE PRESSURE
TO 150-200 psi. GREY FINE
MOLDIC LS

149.5-152 AS ABOVE

GALAXY/DELTA#1

- 52-157 LOWER DOWN HOLE PRESSURE;
VOLUME ~~INCREASED~~
~~INCREASED~~ PUMP H_2O INSTEAD
OF MUD. POOR REC. TAN
MOLDIC, POROUS LS. CRUMBLY.
- 157-162 SWITCH TO 2nd gear, lower
pressure & volume TO 150 psi.
AS ABOVE.
- 162-167 2nd gear. Lower psi, DOWN
HOLE TO 100 psi. GREY MUD, CR.
POROUS LS. CRUMBLY.
- 167-172 INCREASE DOWN HOLE PRESSURE
TO 130 psi. SOFT ZONE IN
MIDDLE OF RUN. NO RECOVERY
- 172-177 NO REC. NO RECOVERY
- 177-178 NO REC.

PULL DOWN MECHANISM ON RIG,
NOT WORKING. ONE JAW HAS
BROKEN SPRING, BEGIN TEAL

SEGMENT BOOKKEY
403-8300

1800-759-744 X 250 JOHN Collins

FALING
MARTY

591-1725

AUTOMATIC PULL DOWN

FALING
MARTY

MODEL # E-301-AR

643

SERIAL # 2271

6688

NEED SPRING

SCHEMATIC

PANTONIC
POLICE

850-933-8995

337-4022

STOP#
907197

TWIN DISK CROWN

E-216

A-1683

938

1382

1418



GALAXY/DELTA #1

(15)

DOWN TO REPLACE TANKS &
SPRINGS.

END DAY 6 PM

KEN LEAVE FOR TLM @ 5:30

2-18-01

REPAIR DAY

CO, ET 7:30 AM START

WORK ON PULL DOWN. RUN
TO HOME DEPOT TO GET HERR.
KEY SET & PIECES FOR
AIR TANK.

CLEAN UP SITE, UNLOAD TRAILER
END DAY. 6:45

1009'7

201

1156686
98E

7425

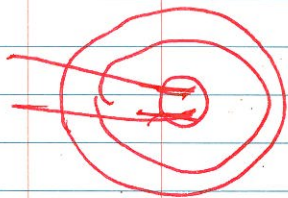
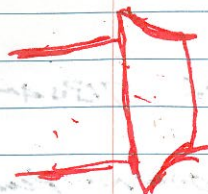
(16)

2-19-01

CS, 51

8 AM start

FINISH PACKING UP ; CLEANING
UP SITE, LEAVE FOR THU



GALAXY/DELTONA #1

(17)

2-26-01

CB, EH 8 AM

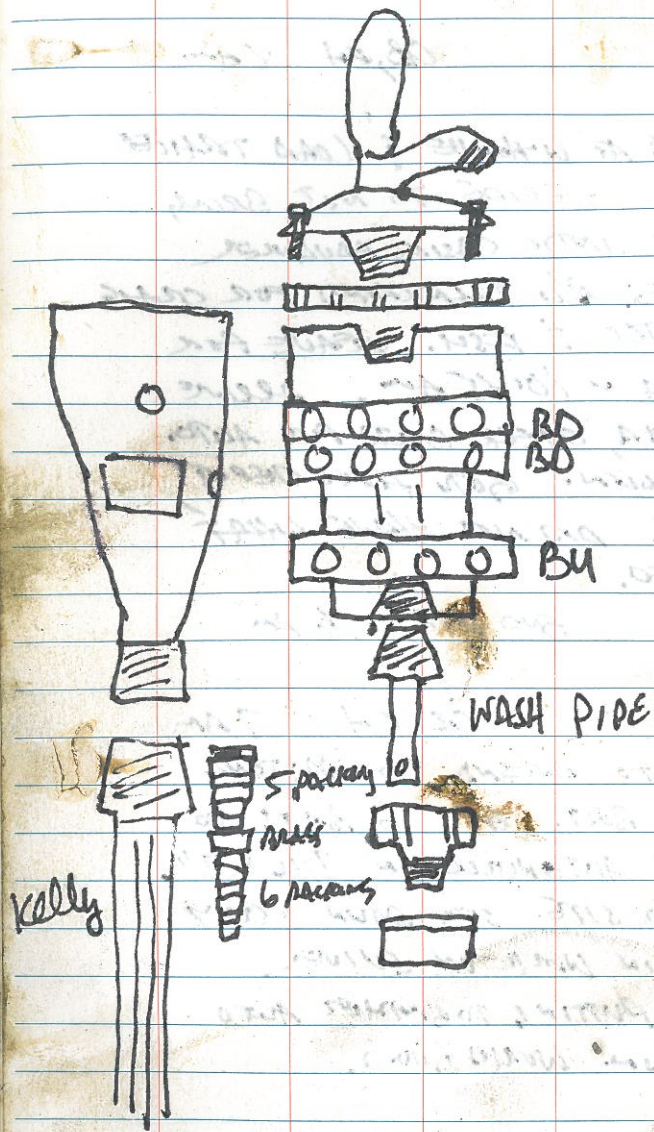
MEET AT W-HOUSE. LOAD TRAILER
W/NQ. DECIDE TO NOT BRING
TRAILER UNTIL CASING ADVANCE
ARRIVES. RU TRANSCRIPT FOR CRANE
FROM TLC. FSU. LEAVE FOR
VILLUSIA ~ 10:45 AM. ARRIVE
IN TOWN. CHECK BOLT FOR AUTO.
PULLDOWN. BOLT HAVE DEPT
LOWES. DID NOT HAVE WHAT
NEEDED.

END DAY. 6 AM

2-27-01

CB, EH 7 AM

GO TO ORLAND TO DAYTONA
NOT. BOLT. GET 6 BOLTS TO
FASTEN AUTOPULLDOWN 7/16 x 2".
BACK TO SITE. SET DOWN KALY
TO BEGIN WORK ON SUIVER.
FINISH PUTTING TOGETHER AUTO
PULLDOWN. WORK 6 HRS.



GALAXY/DELTONA #1

(18)

TAKE APART SUNE. EVIDENCE
OF HEAT DAMAGE. REPLACE FLOW
PIPE! 3 SETS OF BEARINGS.
REVERS THREDS ON EVERYTHING

(CLEAN UP.

END DAY 6:30

2-28-01

CS, EN 7:30 AM

H₂O LEVEL: 36' BLS

- 178-179 150-170 PSI FLOW. 3RD GEAR.
POOR REC. TAN MUDIC, UGGY,
FOSS. LS. W/ MOLLUSC MUDS.
- 179-184 80-100 PSI FLOW. 3RD GEAR.
PLUGGED STATE. AS ABOVE.
POOR REC.
- 184-188 CHANGE CORE CATCHER. 80 PSI.
3RD. NO REC.
- 188-192 CHANGE SHOE. 70 PSI, 2ND GEAR.
2ND. LUDWIG CUT RX. AS TO
3RD. AS ABOVE. POOR REC.

26 10
27 11.5
28 11
1 11.5
2 10.5
3 11.0
4 8.5

2-28-01
CONT.

GALAXY/DELTA #1

(19)

CORE CATCHERS APPEAR TO NOT
BE CATCHING CORE. A SHOE
AGAIN.

192-196 POOR REC. AS ABOVE

196-199 ? CAVITY

199-201 NO RECOVERY

201-202 ? CAVITY

PULL N.G. WANT TO A
BITS FROM DEVIL'S NIGHTMARE
TO DIAMOND BIT. 2' CORE
IN CORE BARREL FRANK
ARRIVES ~ 5:30 PM W/
CASING ADVANTER. UNLOAD.
FRANK LEAVES ~ 6:00 PM.
FIGURE OUT HOW CASING
ADVANTER WORKS.

END DAY 6:30

CLEAN UP

TOM SCHWOSKI,

CASING ADVANCER 2'9"

1/2" - 1" MAA FOR
ROLLER BIT - SPACERS

GALAXY/DELTONA #1

(20)

3-21-01

CB, EH 7:15

PULL 4" CASING. ASSEMBLE
CASING ADVANCER. MIX
MUD. RUN IN CASING ADVANCER
SLOW RUNNING. CHAIN WRENCH
BREAKS THROUGHTS ROWING
IN. GO TO DAYTONA TO AA
CASEY TO GET NEW CHAIN
WRENCH GET DIESEL.

END DAY 6:45 PM

3-2-01

CB, EH 8 AM

MIX MUD CONTINUE RUNNING
IN 4" CASING BOLT HOOKING
JAW ON CHAIN VICE SHEARED.
SEND ERIC TO DAYTONA BOLT
NUT TO GET NEW. OUT AT
11/2 O.

CONTINUE ADVANCING CASING.
NO WATER RUNNING DOWN HOLE.
PLUGGED OFF STUCK IN SAND.
TRIED EUC TO AA CASEY TO
GET 36" CHAIN WRENCH. GET
STUCK, PULL BACK TO 82'.
STILL STUCK. TRY TO RETRIEVE
ROLLER BIT TO CLEAN

SAND LOCKED. EUC
RTN, PULL 4" CASING.

BAD DAY, VERY BAD DAY.

END DAY 6:30

3-3-01

03, FH 7:30

RUN IN 5 7/8 REAMER TO
143'. EUC WORK ON GETTING
CASING ADVANCED AND UNLOCKED
PULL 5 7/8 REAMER. GET STUCK.
WASH OUT. RUN 4" CASING
BACK IN W/INT CENTER BIT
HIGH VOLUME, HIGH PRESSURE.

FINALLY GET BACK TO 93!

OUT OF WATER RAINING VERY

THICK MUD. PULL SWIVEL ARM

? INSTALL NEW WASH PIPE NUT.

PULL ARM AT REST. ENEC FIX

BENT PIECE ON BLOCK. PUT

BACK TOGETHER. TOP OF

SWIVEL BRACING FOR WARP

END DAY. 6:30

3-4-01

6 AM

CLEAN UP SITE, PACK UP
CU. TRK. BAD WEATHER,
thunderstorms.

END 2:30

RAGS

WIRE BRUSHES

GARBAGE BAGS

3-11-01

CB 3:30

p/u TRUCK W/HOUSE. DRIVE
TO VOLusia CO. HAVE TO MEET
w/ VOLusia CO. COMMISSIONERS
MONDAY 3-12-01 IN AM. STAY AT
COMFORT INN. DRIVE TO SITE TO
MAKE SURE ALL IS WELL IN
ORCA. RTN TO HOTEL.

END DAY 9:30 AM

3-12-01

CB 7:30 AM

DRIVE TO SITE, PULL OUT CASE
& DISPLAY FOR COMMISSIONERS
CLEAN PRESNAUGH RIG MEET
w/ ERIC/RAMY. COMMISSIONERS
CANCELED. PRINT SOME OF RIG
2nd EH & TK ARRIVE UNLOAD
SUPPLIES. Go over RIG SAFETY
w/ RIG ID w/ TOM.

END DAY 5:30

pkwy
JOHN YOUNG EXIT
L/B M^cCLOUD

TONEY DRILLING:

1 gal

VOLCLAY #37

pure gold #62

MAKE RT THEN IMMEDIATE (1)

(24)

3-13-01

CB, EH, TR

7:30

H₂O LEVEL: 32' 2" BLS
CONTINUE TO ADVANCE CASING
W/OUT CENTER BIT. GOING
NOWHERE USE POSITIVE DISP.
ON CENTER BIT. BIT HITS H₂O
I STOP. PULL. DROP CENTER
BIT. PUMP TO BOTTOM.
ADVANCE TO 106'. RUN OUT
OF H₂O. THUNDERSTORMS BELOW
IN.

PULL CASING BACK 4', MIX
1 BAG BENT CRUIT. I TREMIE
TO 106'. LET SET UP OVER
NIGHT CLEAN UP

END DAY 5:30

DIAMOND BIT 22'

3-14-01

CS, EA, TR 7:15

LOWER 4" CASING INTO BENT GRUNT

PUT IN DIAMOND BIT CORE BRIDGE

5' NQ 1/2" NIPPLE ON FIRE

INTAKE TO AUTOMATIC PUMP. BROKEN

TEND EA TO CATCH BIT 5' NOT

TO GET EASY OUT. MIX. MUD.

TR REPAIRS BROKEN H₂O HOSE

5' TURN ON H₂O. DRILL TO 120'

LOST CIRCULATION @ 119' PULL

NQ. ADVANCE CASING. 90-100

PS. DOWN HOLE PRESSURE.

KELLY VALVE - 1/2 OPEN.

ADVANCE TO 143'. RUN IN NQ.

NO CIRCULATION LOSING CIRCULATION

@ TOP. PUMP 1/2 HOLEPLUG 5'

70% NQ AGAIN. DRILL TO 175'

LOST CIRCULATION @ 172'. RUN

NQ 5' ADVANCE CASING TO

175'. RUN OUT OF H₂O PUMP

CASING, BACK 5' P-T CHAIN VICE
ON IT.

END DAY
FR 5:15

3-15-01

CB, BHTK 7:30
→ 7:00

ENT TO TH TO PICKUP TRAILER
W/ MORE 4", NO 1 1/4" PVC PIPE.
CB, TK PULL 4" CASING TO 99'
STUFF BAGS 1" HOLE PLUG DOWN.
CANT GET TO BOTTOM. FRUIT TO
TAKE CENTER BIT OUT. PUM DOWN
PULL AN 4" DRILL IN 7 1/4"
ROLLER BIT TO 100', PULL
REAMER, RUN IN 6" PVC CASING
TO 90'. ADVANCE 4" CASING
TO 123'. NEED TO ADD 103-123
IN AM.

END DAY 6:00

FRID RIN 8:45

3-16-01

CB, EH, TK 7:15

CONTINUE ADVANCING 4" CASING.
 KELLY VALVE $\frac{1}{2}$ OPEN, 90 PSI
 FOR H₂O/MUD PRESSURE. ADVANCE TO
 184'. SAND LENSES, CENTER BIT SANDWICHED
 4" SAND LENSES. RUN ROPELUM W/ST
 W. CASING GROWERS, RUBBER MATTER
 JR TO NW SUB BREAKS. LOWER
 BLOCK : TRY N LIFT. NO
 WORK GET H₂O TO BOTTOM :
 PULL W/ HOIST. NO WORK

END DAY EH, TK 7:00

CB TO MEET KC TO GET HAMMER
 MEET : REST STOP 1-11 BY
 1-10/1-75 EXCHANGE. AS ARRIVE
 BACK @ SITE 2 AM

3-17-01

CB, EH, TK 7:15

ATTACH 10' SECTION OF NW
 TO HAMMER, BEGIN HAMMERING.
 JOINTS KEEP COMING APART. TURN
 CAUS RUENO STEVE COE. HAS HENDER
 WELD 10' SECTION, LIFTING PUL TO
 HAMMER EH, TK GIVE TO STEVE COE'S.
 CB WORK ON BEAN PUMP. EH, TK
 RTH, BEAN HAMMERING. NINE
 STRINGS 1' IN 9" GEAR RIG / 4" JAW
 ON RACK, NO NINE. SHIP TO
 11" gear. STRIKE MAIN CLUTCH
 TOO MANY RPM'S. LET CLUTCH COOL.

END DAY 7:15

3/26/01

- ✓ 150' AIRLINE
- ✓ MALE & FEMALE ADAPTERS
- ✓ SHOVELS
- ✓ AIR HOSE BURNING
- ✓ 15/16" DEEP HELL AIR CYLINDER
- ✓ 1 1/4" PVC 40-50'
- ✓ TREADER COOPERATION
- ✓ Files
- RUBBER MAID CONTAINER

SP46. 8400
5000
5400
DRESSING

(29)

3/26/01

CS 7:30

EH, TK 8:30

CS MEET @ OFFICE TO SIGN
MANUAL. MEET EH, TK @
W-HOUSE @ 8:30 LOAD UP &
HEAD FOR VOLUNTA. STOP DAYTONA
BOLT & NUT FOR 1/4" x 1/4" KEYS
ARRIVE AT SITE. CS, TK WORK
ON MAIN HOST CATCH WHILE
EH GOES TO HOME DEPOT TO
PICK UP SUPPLIES.

END DAY CSTK 7:30

EH 8:30

3-27-01

CS, EH, TK 8:00

CANNOT WORKING ON CATCHES
2 Bow pump

and 7:00 pm

Tap & Die
95 or 329.10

- ✓ 5/16" x 18 TAP (2)
✓ 17/64" BITS (2)
✓ 3/16" BITS (2)
✓ COTTER PINS (2) 1/4" BIT ✓
✓ WD 40
✓ SCREW DRIVERS
✓ 5/16" x 18 BOLTS 1 1/2" LONG
BRAKE CLEAN

4 # BIG HAMMERS w/ EVERYTHING

- ✓ Center Plate #514.46
✓ BIG WIRE BRUSHES
✓ SCOTCH BRUSH
✓ CHUCK KEY
✓ 1/2 & 3/8 WOOD CHISEL
or 1/4"
✓ 5/16" x 18 ALL THREAD
✓ 10 NUTS
SANDING DISK 80/120 GRIT

(30)

3-28-01

CH, EH, TK 7:30 AM

CONTINUE DISASSEMBLING MAIN HUB
CLUTCH. DRILL HOLES IN ADS &
TAP HOLE w/ 5/16" TAP THREA IN
5/16" BOLTS TO PUT PLATES OUT.

CENTER PLATE CRACKED DRILL 3 Holes,
1 @ END OF EACH CRACK FILE OUT
OLD CRACKS w/ 1 DRIVING PLATE.

WIRE WHEEL INNER SPINDLE ON
CENTER PLATE : PREPARE PLATES.
CLEAN UP PARTS. NEED MORE WIRE
WHEELS & 80 GRIT SANDPAPER.
REFINISH CERAMIC PLATES w/ 80
GRIT.

END DAY 6:30

\$140. ^{to} LSV

(31)

3-29-01

CB, EH, TK 7AM

CONTINUE WIRE WHEELING, SPRING
& SANDING PADS & PRESSURE PLATE
PUT CLUTCH BACK TOGETHER.
REINSTALL MAIN HOIST CLUTCH ON DECK
OF RIG. TEST HOIST TO MAKE SURE
ALL IS WORKING WELL. WORKS GOOD.
INSTALL HOIST COVERS. TRY LIFTING
4" STEEL CASKS NO PROBLEMS.
THUNDERSTORMS ROLL IN. THUNDERSTORM-
ING STILL @ 7:00 PM

END DAY 5:00 PM

3-30-01

CB, EH, TK 7:30 AM START

THUNDERSTORMED ALL NIGHT.
STILL RAINING 1ST THING IN AM.
WENT TO SITE WHERE UJGS STRUNG
& HUI'S DRILLING FROM TANK
IS DRILLING ON PRESERVE
PROPERTY

ASKED IF THEY HAD OUTSIDE TAP
 THAT WOULD FIT A - ROD. DICKER-
 DARREL. NO THEY DO NOT. ATTEMPT
 TO BREAK 4" TO MAYHEW JR SUB
 OFF. BREAK CHAIN ON 36" PIPE
 WRENCH. NEED BIGGER WRENCH.
 WELD JO TO TOP OF 4" - MAYHEW JR
 SUB NOT ENOUGH ROOM ON SUB
 TO PUT XTRA LARGE CHAIN WRENCH.
 SET UP VIBRATOR. ATTEMPT TO
 OUTSIDE OF 4" CASING W/ HOSE
 CLAMPS ATTACH MAIN HANGING DOWN
 5' DOWN TO TOP OF 4" TAP ON
 VIBRATOR 5' UP. HOSE CLAMPS
 BREAK. ATTACH VIBRATOR TO 4" W/
 CHAIN VIB. START 5' LIFT. NOTHING
 THUNDERING BACK. TRY TO
 LOCATE TAP TO HEAT 4" SUB
 @ TOP OF CASING. FIND ONE

6x6 40" x 32"

4x6

PARK OIL - ATF

DRIVE TO SANARU TO PICK UP.
TOUCH WAS GAS LEAK @ REFRIGERATOR
RENT 2 LITIN BUTTLE JACKS
INSTEAD SET UP FOR N/ LWR
5 BUTTLE JACK. MOVE N 2".
WIND SUPPORTS ARE BLEWING IN
B.WING. NEED 6x6" IN.

END DAY 7pm

1. 1st 1/2 of work, in 1st
 2. 2nd 1/2 of work, in 2nd
 3. 3rd 1/2 of work, in 3rd
 4. 4th 1/2 of work, in 4th
 5. 5th 1/2 of work, in 5th
 6. 6th 1/2 of work, in 6th
 7. 7th 1/2 of work, in 7th
 8. 8th 1/2 of work, in 8th
 9. 9th 1/2 of work, in 9th
 10. 10th 1/2 of work, in 10th

11. 11th 1/2 of work, in 11th

4-9-01

CB, TK 7am

MEET AT WHOUSE 5 LOAD
 TOGETH GO TO OFFICE, TOM TO FILL
 OUT TIMESHEET, WAIT ON TRAILER
 APPROVAL FROM DIVISION. PICK UP
 NEW TRAILER ON S. SIDE OF
 TLH. GO TO UOLWIA. P/U
 FLOOR PAINT @ HOME DEPOT
 PAINT FLOOR of TRAILER

END DAY. 7:30 PM

4-10-01

CB, TK 7:30 START

APPLY 2ND COAT PAINT TO
 TRAILER FLOOR. P/U HAD BEEN
 SETTING & DRAINING TO CRACK.
 P/DIG OUT UNDER REAR WHEELS
 AND SET 4x4 IN ANGLE UNDER
 WHEELS. LOWER BACK OF P/U

RIG SHIFTS TO LEFT 2-3"
 MOVE ALL FORWARD 2-3"
 LEVEL RIG

HEAT 4" PRE ? SUB.

SUB FINALLY BREAKS FREE.

RUN IN NQ W/ OUTSIDE TAP
 ON END. THEN GO TO A-ROD
 W/ RESERVE UNIT. PULL
 NQ. GOT IT 1ST TIME

RUN IN 1 1/4" PVC TO BOTTOM
 ° AIRLINE INSIDE 1 1/4"

ADJUST COMPRESSOR CLUTCH

PUMP AIR DOWN INSIDE.

GOOD H₂O ? FINE, PUMP
 AWAY. LET SIT OVERNITE
 TO SEE IF RECHARGE

~~GOOD~~ ~~AWAY~~ ~~LET~~ ~~SIT~~ ~~OVERNITE~~

WORK IN FITTING TO PRODUCE
4" casing

END DAY 6:30 PM

4-11-01

CO, TX 7:30 AM

4" CSG : 1 1/2" INSULATOR
PIPE RECHARGED TO 35' BUS.
RUN AIRLINE BACK INSIDE
INSULATOR PIPE. START COMPRESSOR
PUMPING OUT H₂O : SAND.
COMPRESSOR CURTAIN SMOKING.
STOP. LET COOL. BEARING IN Y110C
ADJUST CURTAIN : ADD GREASE.
START BACK UP. PUMP OUT
SAND. LET PUMP 2.5 HRS.
BEARING SEEM TO BE OK.
GETTING LESS : LESS SAND.
STOP. PULL 1 1/4" : AIRLINE.

NEED

2 1" PINS (CLEVIS)

(37)

SEND IN RESERVE UNIT.

STILL SAND LOCKED. PUT $1\frac{1}{4}$ "

↑ AIRLINE BACK IN PIPE. BEGIN
PUMPING AIR AGAIN. GETTING VERY
LITTLE SAND, PUL $1\frac{1}{4}$ " AGAIN.

PIPE COMES FREE AFTER 60'

RUN IN TWO 5' AQ TO RESERVE

GET TO TOP. PIPE CLIPS OUT

OF TOP. RUN IN AGAIN. GET IT

THIS TIME RUN IN RESERVE

UNIT STILL SAND LOCKED. RUN

AIRLINE BACK IN W/ $\frac{1}{4}$ " P/G

PLUG. PUMP & PULL @ SAME

TIME. NO GO. HOOK UP HAMMER

& W/ CATHEAD. PIPE BLENDS

TRY AGAIN. ROPE BLENDS AGAIN.

TRY W/ HUIST. GET NUTTERS

CON AIRLINE IN $\frac{1}{4}$ " AIRLINE.

END DAY 6:30 PM

4-12-01

CB, TK

7:30

RUN $1\frac{1}{4}$ " TH PVC INDUCTOR
PIPE & BEGIN AIRLIFTING. 30'
of SAND IN BOTTOM. BEGIN
AIRLIFTING. GET LOTS OF SAND
OUT. KEEP AIRLIFTING. AIRLIFT
UNTIL NO SAND COMING OUT.
* RUN $1\frac{1}{4}$ " AIRLIFTING PIPE
IN REVERSE UNIT. STILL STUCK.
PULL REVERSE. LET SIT
1 hr. TO SEE IF CLEAN TO
BOTTOM. CLEAN. KEEP AIRLIFTING.
COMPRESSOR WONT TURN OFF.
CLUTCH APPEARS TO BE RUSTED.
BEGIN TEAR DOWN OF COMPRESSOR
CLUTCH

END DAY 7:00

4-13-01.

03, TK 7 AM

NEED 1/13/16 SOCKET.

GO TO TOWN TO FIND ONE. ONE
NOT TO BE FOUND TOM CALL
FRIENDS WITH CEMIS VS SOCKET

1 3/4" IMPACT WRENCH.

RAN TO SITE : REQUIRED CLUTCH
CLUTCH RESULT, STILL NEED
FINE ADJUSTING, RAN FOLLOWED
TOOLS, END DAY. 7:30 PM

4-14-01

03, TK 8 AM

RAN TO TUK

END DAY 2 PM

4-23-01

CL, TR 7 AM START
KCL, SH 7:30 START
TS

TR: CS MEET CLAYTON DAVIS
AT SITE. H₂O LEVEL @ 33.0' 94,
APPEARS TO BE CLEAN TO BOTTOM.
CONCERNS THAT 6" STEEL NOT
SEALED WELL ENOUGH. BOTTOM @
91' - Bent. - RUN IN RETRIEVAL
UNIT ON NQ. MOVED 3-4" STILL
STUCK. CAME UP AND TRY 2X MORE.
NO WORK. AIRLIFT TO 9:30 AM

END DAY 8 PM

CD 10-B

CS, TK, SH, KC, TI, CO

4-24-01

7 AM

CONTINUE AIRLIFTING PUMP
 OFF TAIL SE MUD, MIX NEW
 MUD TREATS MUD TO BOTTOM
 1 TB. RUN IN RETRIEVAL UNIT
 ON NQ. PULL NQ. RUN IN
 IN WIRELINE NO CATCHING.
 ADD WEIGHT TO RETRIEVAL
 UNIT. 10' N3 LOG. RUN
 RETRIEVAL BACK IN.

NOT LATCHING. HANG LOGS,
 pump mud down HOLE. PULLED.
 GET 2x20 TON BOTTLE JACKS
 W/ HAMMER, HAMMER, JACK &
 PUMP. ~~PUMP~~ MOVE 2-3"
 BREAK 4" X N3 SUB, 1" HOOK
 @ TOP OF HAMMER.

END DAY 5:30 PM

CS 7:30 - 5:30

4-25-01

CG, KL, TK, EH, TS, CO

7:45

PICK UP & MAKE RIG FORWARD.
 40' RESET UP. START W/ 12"
 WING BIT & REAMING SHELL. DRILL
 TO 47.5'. PULL BIT & PICK UP
 2 BAGS OVERLAND W/ 10 1/2 QUICK
 CEMENT IN 18 gal H₂O. SET
 50' OF 8" PVC, PUMP CEMENT TO
 BOTTOM & PUSH LET SET UP
 OVER NIGHT.

7:45 OK by

CD - 7:30-6:30

4-26-01

CS, TIC, CO 7 AM

PORTLAND 41.5' BLS. MIX MUD,
 RUN IN 7 7/8" REAMER 50' OF
 8" PUC, PORTLAND TO 41.5' 7 7/8"
 REAMER TO 126' BLS. RUN OUT OF
 4 1/2" @ 90' - SWITCH TO AIR LIFT
 TO 126'. MIX THICK MUD, MUD,
 PLACE AT BOTTOM. PULL 7 7/8"
 REAMER. SET 6" OR PUC
 CASING. MIX PORTLAND, TRSALS
 TO BOTTOM. SET 6" IN PLACE
 CLEAN UP - B. IN THE IN ALAN SO
 TO 1/2 CASES.

END DAY 6:30 PM

CO 7:30 - 4

4" STEEL CSG
JOINT STRENGTH

4-27-01

CS, TK 7AM

UNLOAD MUCK, PICK UP SITE,
MEASUREN GO TO TKT TO ALI MINE
4" CSG. P/L 7NG ALSO. KTN
TO SITE @ 9 PM

9 PM end day

4-28-01

CS, TK 7AM

BEGIN RUNNING IN 5 7/8" REAMER
TENS @ 120' HAVE DR CORE GRN
CLAY SLIPS (HAWTHORNE FM.)?
CAVITY @ 133' TO 143' RX 143-
146 CAVITY 146-153' LOST
CIRCULATION @ 133' CAVITY 153-
165' RX @ 165' TO 175' HARD
RX. DECIDE TO SET 4" @ 175'
PULL REAMER BACK TO 110' LET
HANG FOR NIGHT

END DAY 4 PM

4-29-61

O₃ 7C

7AM

TAG BOTTOM w/ 5 3/4 REAMER
 PULL REAMER INSTALL 4" STEEL
 Casing TO 175' PL Casing 2' OR
 BOTTOM : ~~200~~ MEASURE 1345 FEET
 BLAST TO BOTTOM, SET CIG ON BOTTOM
 IN HOOT I PULL TRENCHING
 CLEAR UP : LEAVE FOR THE
 ARRIVE 7H 5:30 PM

SCOTT
GORMANS - DEAN

904-738-1318

VERMONT AVE.

5-7-01

CB, TK

7 AM CI

8 AM TK

CRAIG TO OLIVE TO DROP OFF
CORE ? CHECK ON TRAVEL AUTH.
STATUS. GOING TO GO, PICK UP TOM
? LEAVE FOR URBANA. ARRIVE IN
VOLUMIA @ 3:30, HEAVY RAIN FALLING
SET UP SITE, END DAY SP

5-8-01

CB, TK

7 AM

RUN IN NP W/ DRAMM BIT.
BEGIN CORING
175-178.5 HARD NONPOROUS DOLASTIC
CS
178-182.5 AS ABOVE
182 LOST CIRCULATION @ 178'
~~182-188~~ pull NP, INCREASE GEAR
OVERSHOOTING

182-187 GREY MOLDIC, Foss LS

187-192 AS ABOVE BRECCIAED W/
DUMMIE NON POROUS LS

192-197 AS ABOVE. CRUMS NOT
ALL INNER RAILER. ALL NQ.
BENT ROD & BEUCO BOX.

END DAY

8 pm

5-9-0

CO, TK

7:30 am

CHANGE CORE RAVERS TO 15'
RAVER : INNER BARREL
RUN IN NQ. LIFT 122'
DOWN HOLE. FISH AT W/
INSIDE TAP. BEGIN CORING

197-202 NO CIRCULATION. 100%

RECOVER. CRACKERJACK & IT

W/ 2 NOTCHED OMAHO BIT

RX SITE ON INNER BARREL

W/ 1/4" CLEARANCE HARD

MADE, FINE, DOLOMITIC LS

202-208 AS ABOVE W/ CLAY LENS @
206'

208-218 AS ABOVE TO 210' 210-218.

VERY SOFT POOLY COMBINED

SANDY CARB. M.D. WAITED

ALOT RAIN.

218-222 SOFT GREY CARB. POORLY COME

222-227 AS ABOVE TO 224' 224-227

HARD MAJOR NONPOROUS LS.

227-235 AS ABOVE. INNER BARREL

STUCK. PULL UP. END DAY

6:30 PM

5-21-01

CB, TK

CB 7 AM

TK 8 AM

DROP KEYS OFF @ N-AREA FOR
 CUC, P/U SUPPLY CABINETS @
 08:05 : P/U gone. ALLOWED TO
 VOLUNTARY. CATCH NOT FEELING
 WELL, GO TO MOTEL END DAY 4:00
 EUC SHOW UP, EUC TK WORK
 ON BEAN PUMP, END DAY 7 PM

5-22-01

TK, EUC

CB

TK, EUC WORK ON BEAN
 PUMP, INJECTION PUMP. CUC
 GO TO SITE IN AM BUT SELL
 NOT FEELING GOOD. MAKE NO
 MOTEL

TK, EUC END DAY

5-23-01

CB, TK, EH

7:30 AM

FINISH SETTING UP BEAN PUMP,
PULL OUT TUBES TO GREAT
10' RAD OFF CB : INNOVATION
INNER RAILER MAKE OUT GOT
TWO H.T. BENT. BEGIN DRILLING

235-240

1ST 6" CLAYEY SILT WITH LENS
INT. POROUS LS w/ DARK MANGANESE
LAST 1' VERY HARD. GOOD REC.

240-242

VERY HARD NONPOROUS BEDDING
LS. SLOW DRILLING. REQUIRE
CONSTANT GRADUAL FEED

STORMS BLOW IN, WORK ON
CALGO TANKER

END DAY 6:30 PM

524-01

OS 7:15 AM

TK, 6 AM

OS PAPERWORK, OK TO TURN.

SET UP MUD MARE KEEPS

CLOGGING. OK W/OUT.

242-246 GOOD REC. GR/AN NONTIPOUS

DOLOMITE LS. SLOW DRILLING

246-254 3RD GEAR, 1200 RPM, 100 PSI

W/ M.O. PUMP. GOOD REC. CAN'T

PULL INNER TAPER. PULL NO

I.B. STAB BACKED ON 2" JAWED

I.B. NINE C.B. AT ABOVE.

254-260 AS ABOVE

260-265 AS ABOVE, REAL HARD SLOW DRILLING

END DAY 6 PM

5-25-01 OGI, TK 7:30

1200 AM, 100 PSI

260.5-269 AS ABOVE TO 270.' GR POROUS,
MOLDIC, DOLOMITIC LS TO 268.1'

268-269 - CAVITY. GOOD REC.

269-276 INTERM. NONPOROUS, DOLOMITIC
LS W/ VERY FINE, MOLDIC LS.
GOOD REC.

276-282 AS ABOVE W/ CAVITY 178.5-180.

282-285.5 KEEP PULPING OFF. LAST 6"

VERY HARD GR. SOFT PURE CONT.
CARB INTO GR CLAY. LAST 6" -
HARD, NONPOROUS DOL. LS.

285.5-290 GR/TAN NONPOROUS DOLOMITIC LS
W/ ORGANIC LENSES.

290-298 SOFT PURE CONT. LS INTO TAN/GR
FOSS, MOLDIC LS

STOPS DOWN IN.

END DAY 6:30

5-26-01 CO. TK 8 AM

298-302 3RD GEAR, 1200 RPM, 100 PSI
MUD PRESSURE, 80 PSI FEED.
100% REC. GR MUDIC, DOLOMITE,
LS.

302-310 TAN MUDIC LS TO 308. TAN/PAN CLAY
TO 309. GR MUDIC LS TO 308.5.
GR CLAY TO 310. 100% REC.
PULVERED OFF @ END OF RUN.

310-318 TAN/GR POROUS MUDIC LS w/
INTERMITTENT PURRY CLAY w/
CLAY IS LOOSE.

318-322 GR FINE LS TO GR PORRY CLAY
LS.

322-330 GR/TAN POROUS LS, MED-POR
CONSOLIDATION. 50% REC
RPM'S TOO HIGH. FEEL LIKE
DRILLING CLAY.

330-340 TAN MUDIC DOLOMITE LS
75% REC.

340-347 TAN/2 IS W/ INTERMEDIATE
SOFT CLAYED ZONE. PLUGGED
OFF @ END OF RUN.

~~348~~

PULL NG TO 162'
CLEAN UP/COCK UP.
OUR GAMES END DAY 71~

5-27-01

03.7K

2A~

LUE SIDE FOR TUE

ARRIVE TUE 11:30A~

(96)

6-4-01

CB

6:30 AM

TK

8:00 AM

CB TO OFFICE TO DO TIMESTAMPS
 ? OTHER PAPERWORK. PREP OFF COLE
 ? P/U BOX SUPPLIES. MEET TK
 @ 8 AM LVE TM. ARRIVE
 VOLWA 2:30 PM. PULL REMAINING
 N9 : 4" CSG.

END DAY 7:30

6-5-01

CB, TIC

7 AM

LOWER 5TH REAMER : BEGIN
 REAMING. TOOK 90 MIN TO
 GO ~~5~~ 4" PULL REAMER,
 REPLACE $5\frac{1}{8}$ " ROLLER BIT.
 RUN BACK IN. START REAMING
 HYDRAULIC LINE BLOWS. CLEAN
 UP MESS, DISASSEMBLE LINE

END DAY 6 PM

10.11.19

28

10.11.19

10.11.19

28

10.11.19

10.11.19 10.11.19 10.11.19

10.11.19 10.11.19 10.11.19

10.11.19 10.11.19 10.11.19

10.11.19 10.11.19 10.11.19

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10.11.19 10.11.19

6-6-01

CB, TK

7 AM

DRIVE TO ORLANDO TO
AMAZON FOR NEW HMD.

HAVE ? FITTINGS. BACK TO

ORANGE CITY TO WALNUT,
P/L UMBRELLA FOR DRILL
STAND & GATORADE MIX.

TO GORMAN TO P/L PALATE
OF MUD. TO PAPERMA BOTT
(NOT FOR #7 E2 NOT)

BACK TO SITE, UNLOAD MUD.

POT NEW HMD. HOSE ON W/
NEW FITTINGS ARE GETTING OUT
BRACKEN FITTING OF HMD CYLINDER

HOSE 22" LONG. TOO LONG.

CB BACK TO AMAZON, HAVE
SHORTER TO 18". TK

CLEAN UP HMD FLUID

CB BACK TO SITE.

THUNDERSTORM, WAIT OUT.

REPLACE HOSE

~~CB W/ HMD~~

BMD NAT 8:30

CB PAPERWORK

#600 - L.C.

5 7/8" ROUER BIT W/
CARBIDE TEETH

ATLANTIC - RICK - \$1200 - \$545

TONEY - MIKE - \$873

MIDAMERICA -

L & C MACHINES - LAKE CITY

386-755-3918

EXIT 81 - HWY 47 TURN (R) ON

242 E. 1 MILE TO RED FL

LIGHT. HWY 131 (L) 1 BLOCK

1st PAVED ON (C) 1st BUILDING

487-2609

ON (R)

\$250

(59)

6-7-01

CB, TK

7 AM

BEGIN REAMING W/ 5 7/8"
ROUER BIT. DRILLING @ ~
2' / HR. NEED TO REAM W/
3 7/8" 1st. NO REAMING SHOWN
FOR 3 7/8". CALL FR

MEET FR IN GANNESVILLE
W/ REAMING, SKEEL BACK TO
SITE. BEGIN REAMING. REAM
TO 237'.

CLEAN UP

END DAY

7 PM

$$\begin{array}{r}
 5 \\
 265 \\
 117 \\
 \hline
 148
 \end{array}$$

(60)

6-8-01

CB, TK

7A

CONTINUE REAMING TO 310' W/
 3 1/8" ROLLER BIT. PULL 3 7/8"
 & BEGIN REAMING w/ 5 7/8".

END DAY 4:30 PM

6-9-01

CB, TK

7:30 am

CONTINUE REAMING W/ 5 7/8"
 TO 233'.

END DAY 7:30 PM

6-12-01

CB, TK

7:30 am

CONTINUE REAMING w/ 5 7/8"
 TO "265. NO ROD
 BLOCK OFF.

NO MORE SINK - NO LIFT
 FLATBED - LOAD SINK
 TRAILER IN FLATBED.

60

LEPAGE COMPRESSOR HOODING
END DAY

(62)

6-18-81

G5 TIC

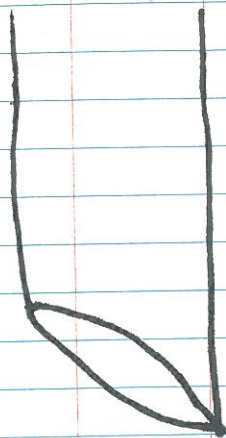
7am

GO TO OFFICE & READ TRAVEL
 AUTHORIZATIONS, ETC. GO TO
 W-HOUSE & UNLOAD OLD UTILITY
 TRAILER TO BE SURPLUSED OFF
 PLATBED: LOAD 200' MAYHEW JR
 HOTO FOR UOWWA.

ARRIVE UOWWA, DISCONNECT
 TRAILER & GET SET UP.

END DAY 7am





4" PVC
END.

(63)

6-19-01

CB, TK

7:36

ADD MAYHEW JR TO FISH
PIPE & TRY TO FISH OUT BROKEN
PIPE w/ TAP. COULD NOT FEEL
PIPE FROM TAP. LOWER 4" PVC
DOWN HOLE & OVER BROKEN PIPE.
WORKED. DID NOT WORK. KEEP
TRYING TO GET 4" OVER PIPE
STILL DID NOT WORK. TAP
w/ ICE. NEED TO BUILD WALL
HOLE.

END DAY 7P-

6-20-01

CS, TIC

7^{am}

FIND 5' SECTION OLD 4" &
 CUT THREADS OFF. TO MAKE WALL
 HOOK. RUN OUT OF OXYGEN. DRIVE
 TO HOLOX IN HOLLY HILL, WANT
 TRADE IN TANK. BACK TO SITE
 & PL 5'x4" PIPE & TAKE TO
 DELAND METALRAFT. THEY FABRICATE
 WALL HOOK & WELD TAP INSIDE.
 BACK TO SITE & RUN WALL
 HOLE DOWN HOLE. PIPE 1st
 ENCOUNTERED @ 135' ALL CAN
 FEEL PIPE BUT CANNOT GET
 ON IT. DEFLECTED IN CAVITY?
 & BENT? NO LUCK. PULL
 WALL HOLE

END DAY 7^{pm}

6-21-01

CS, TK

7:30 AM

RUN IN $5\frac{3}{4}$ " ROLLER BIT
 ON MAYHEW TR TO MAXIMIZE
 BUREAU SIZE TO 135'. RUN
 WALL HOOK BACK IN ~~BACK~~ SPIN
 IT UP 2' DOWN HOLE CAN FEEL
 FIRST BIT CANNOT HOOK IT. PULL
 WALL HOOK TO MODIFY. CALL
 MILLS MACHINE (JACK). HE SUGGESTED
 WE ADD A CABLE TO HOOK
~~THE~~ ORILL HOLE 2' ADD CABLES TO
 HOOK. RUN HOOK BACK IN?
 CONTINUE TURNING. CAN FEEL
 BUT STILL CANNOT HOOK. PULL
 HOOK OUT. STRAW MOVING IN.

END DAY 5:30

~~1/4" HEX KEY~~

6-22-01

CS, TIC

7:30 AM

PULL CABLE OFF RAMP REEL
REPLACE W/ 200' OF 7/16" INSTEAD
BATHING LINE. SET SCREWS STUCK
DEND 1/4" HEX KEY. BEGIN DRIVING
OUT. SET SCREWS HARDER THAN BITT.
STORMS MOVE IN. END AM 5:30 PM

6-23-01

CS, TIC

7:30 AM

RECALL MANIFEST - CONTINUE
WORKING ON BATHING LINE. NEED TREN.
BE SPILL OLD CABLE UP, CLEAN UP
SITE, LOADUP & WLF FOR TLA
END DAY.

7-2-01

CO, TK

7A

61

- TO OFFICE TO DO PAPERWORK.
- TO AIR PRODUCTS TO CHANGE OUT O₂ TANK.
- TO W-HOUSE TO DOWNLOAD AND CABLE
- TO VOLUNTEER CO., UNLOAD CYLINDERS, SET UP TO MEET ~~STEWART~~ KEVIN STEEL FROM SWINNA ON 7/3/01.
- TO WALK HUNT, P/U COMPASSES & SUNSCREEN.

END DAY

TIC 7 PM

CB 8 PM

PAPERWORK

1991 INTERNATIONAL
4900 6x4

GUAR 46000
FRONT 12000

6-23-81

NEED

⑦

① SET SCREWS (2)

①.5 TAPS TO MATCH SET SCREWS

② TORCH

③ HIGH SPEED CARBIDE BUR

④ 3/4" WRENCH - THIN HEAD

⑤ DRIFT

⑥ SILVER SOLDER FLUX COAT

⑦ BRASS TUBING FOR 3/16" WIRE ROPES

⑧ SUNSCREEN

Holox

12

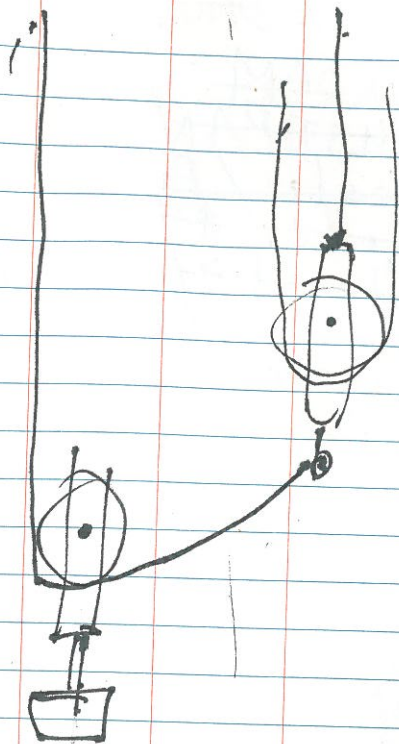
① TRADE TANK

② HIGH PRESSURE GAUGE

③ O-RINGS

④

(75)



Cut-in Brush

~~BROOM~~

~~DUST PAN~~

~~Sealer/Primer~~

~~Roller & Tray~~

~~& Dowel → Roller Handle~~

Plywood 5/8 17.78

2X4 5x8 1.85

GARBAGE CAN

Door Mats

1X10X10

11.50

Welding Cart

→ Parts BINS

TOOL BOXES 500 167.00

TIE DOWN STRAPS

1211 53.11

1211 53.11 1211 53.11

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NEED LIST

- ① 0-1000 PSI LIQ FILLED GAUGE
4 1/2" x 1/2"
- ② 0-40 x 100 TAXIMETER W/ HRS
3 1/2"
- ③ KELLY GAUGE 0-1000 PSI TYPE F
- ④ MAYHEW JR BOX X N3 PIN
- ⑤ LEAKY HYDRAULICS
- ⑥ 3/4" BOX DRIVER
- ⑦ 0-300 or 400 PSI, 4" x 1/2" or 1/4"
LIQ. FILLED
- ⑧ MOUNT PNEUMATIC PUMP : DESANDER

(78)

NEED LIST

- ⑨ 7/16" LOCK WASHERS & CAGE NUTS
- ⑩ 3 KELLY DRIVE PIN 2 7/8
6060-3 - FAILING
- ⑪ BOTTOM PIN NOT 5" LOCK WASHER
XSK-N-08 (4) XSK-W-08 (4)
- ⑫ ~~SHOULDER~~ 3
SHOULDER PIN NOT 5" LOCK WASHER
XSK-N-10 (4) XSK-W-10 (4)
- ⑬ 1/2" HIGHT PRESS HOLE FOR KELLY
GAUGE (HYDRAULIC)
- ⑭ HIGHT PRESSURE O₂ REG. GAUGE
- ⑮ N3 X N3 BOX DRIVER

31A CONROY ~~PT~~

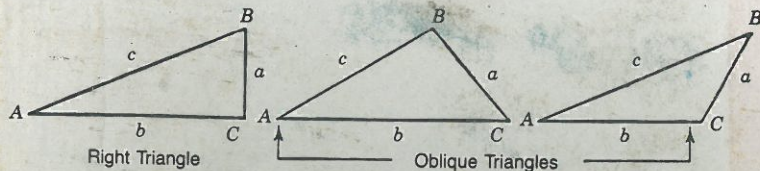
Vineyard (L)

orange county master yard a (L)

3 drive on (L)

Vineyard Business Center

TRIGONOMETRIC FORMULAE



Solution of Right Triangles

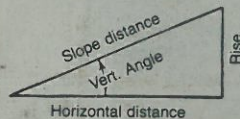
For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\csc = \frac{c}{a}$

Given a, b	Required A, B, c	$\tan A = \frac{a}{b} = \cot B$, $c = \sqrt{a^2 + b^2} = a \sqrt{1 + \frac{b^2}{a^2}}$
a, c	A, B, b	$\sin A = \frac{a}{c} = \cos B$, $b = \sqrt{(c+a)(c-a)} = c \sqrt{1 - \frac{a^2}{c^2}}$
A, a	B, b, c	$B = 90^\circ - A$, $b = a \cot A$, $c = \frac{a}{\sin A}$
A, b	B, a, c	$B = 90^\circ - A$, $a = b \tan A$, $c = \frac{b}{\cos A}$
A, c	B, a, b	$B = 90^\circ - A$, $a = c \sin A$, $b = c \cos A$

Solution of Oblique Triangles

Given A, B, a	Required b, c, C	$b = \frac{a \sin B}{\sin A}$, $C = 180^\circ - (A + B)$, $c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a}$, $C = 180^\circ - (A + B)$, $c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180^\circ - C$, $\tan \frac{1}{2}(A - B) = \frac{(a - b) \tan \frac{1}{2}(A + B)}{a + b}$, $c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a + b + c}{2}$, $\sin \frac{1}{2}A = \sqrt{\frac{(s - b)(s - c)}{bc}}$, $\sin \frac{1}{2}B = \sqrt{\frac{(s - a)(s - c)}{ac}}$, $C = 180^\circ - (A + B)$
a, b, c	Area	$s = \frac{a + b + c}{2}$, $\text{area} = \sqrt{s(s - a)(s - b)(s - c)}$
A, b, c	Area	$\text{area} = \frac{bc \sin A}{2}$
A, B, C, a	Area	$\text{area} = \frac{a^2 \sin B \sin C}{2 \sin A}$

REDUCTION TO HORIZONTAL



Horizontal distance = Slope distance multiplied by the cosine of the vertical angle. Thus: slope distance = 319.4 ft. Vert. angle = $5^\circ 10'$. From Table, Page IX. $\cos 5^\circ 10' = .9959$. Horizontal distance = $319.4 \times .9959 = 318.09$ ft.

Horizontal distance also = Slope distance minus slope distance times (1 - cosine of vertical angle). With the same figures as in the preceding example, the following result is obtained. Cosine $5^\circ 10' = .9959$. $1 - .9959 = .0041$. $319.4 \times .0041 = 1.31$. $319.4 - 1.31 = 318.09$ 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.

