

SFWMD Big Cypress Basin (Correspondence)

I-75 & Golden Gate Canal Drill Site. (Collision Course)

I-75: EXIT 16 (RT 896) Pine Ridge Road

First Traffic Light turn Left onto Airport-Pulling Rd (RT 31) SOUTH

ONCE ON RT-31 SOUTH; GO TO the First Major Intersection RT-31 & R 886 (Golden Gate Pkwy)

TURN Left onto Golden Gate Pkwy (EAST-886) and go Approx. mile over the Golden Gate Overpass.

Immediately after the overpass, turn Right onto 62nd St; go to the end of the Road
and turn onto the shell rock Road that runs parallel to the I-75 canal.

I-75 PCW



I-75 Production way
10/31/00



























OLD
Wellhead
HAP on
Additional
3' casing
Above the Top.





WELL DRILLER'S LOG

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

PROJECT I 75 WELL NO. I 75-PW DATE 10/27/00

I 75-PW Plug & Abandonment

| Time DEPTH | DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER |
|---------------|--|
| 0730 hr | Ed Rectan wald - Onsite |
| 0900 hr | 318" diameter Limestone gravel onsite |
| | 9,600 lbs of gravel 4.80 TONS |
| | |
| 0945 | Began to pump 318" gravel into open-hole section 890 - 1040' bls. |
| | |
| 1400 hr | Tagged gravel @ 892 ft bls. |
| | |
| 1500 hr | Began to 30 sacks of Neat cement. |
| 1510 hr | Finished pumping neat cement slurry |
| | |
| | - 4-arm caliper Ram on 10/26/00 by MV Geophysical |
| | indicate 460' of 12-inch diameter casing plus 430' |
| | of 8-inch diameter casing; TD @ 1040' bls. |
| | - 2 hard copies received plus electronic version. |
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SOUTH FLORIDA WATER MANAGEMENT DISTRICT

PROJECT LWC-Fas WELL NO. I75-PW DATE 10/30/00

I75-PW Plug & Abandonment

| DEPTH | DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER |
|-------|--|
| 1413 | End pump of cement stage No 2 |
| | 72 sks \times 1.86 = 134 ft ³ |
| | 340' (8") \times 0.3382 ft ³ = 115 ft ³ |
| | 24 ft ³ \div 0.7854 ft ³ = 31 ft |
| | Completed cemented 8-inch diameter casing w/ 31 feet of 12" casing cemented after 2nd stage. |
| | Cement Stage No. 3 |
| 1435 | Started pumping 8% cement/bentonite slurry |
| | Total number of sacks 78 |
| | Number of barrels 26 |
| | Measured slurry weight 13.3 lbs/gal |
| 1451 | End pumping of cement stage No 3 |
| | Calculated cement elevation 251' b/s |
| | 279 ft ³ \div 115 ft ³ (8" volume) = 164 ft ³ |
| | 164 ft ³ \div 0.7854 ft ³ = 209 feet of fill |
| | ft |
| | 460 ft - 209' = 251' |
| | Cement Stage No 4 |
| 1548 | Started pumping 8% cement/bentonite slurry |
| | Total number of sacks = 90 sks. |
| | Number of barrels = 30 |
| | Measured slurry weight 13.3 lbs/gal |
| 1600 | End pumping of cement stage No. 4 |
| | Calculated casing elevation 46' b/s. |
| | 90 sk \times 1.86 ft ³ /sk = 167.4 ft ³ |
| | 167.4 ft ³ \div 0.7854 ft ³ = 213' of lift |
| | ft |

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

PROJECT LWC FAS WELL NO. I75-PW DATE 10/30/00

I75-PW Plug & Abandonment

| Time DEPTH | DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER |
|------------|--|
| 1038 hr | Mike Bennett - on site |
| | - 6 yards of 3/8" diameter limestone gravel installed. On 10/27/00 |
| | Tremie set @ 877' bls to pump 30 sks of neat cement |
| 1140 hr | Tagged top of 1st Cement Stage @ 800 ft bls. |
| | <u>Casing Volume Calculations:</u> |
| | 8" casing volume = $0.3382 \text{ ft}^3 \times 432' = 146 \text{ ft}^3$ $= 146 \text{ ft}^3 \times \frac{7.46 \text{ gals}}{\text{ft}^3} = 1092 \text{ gallons}$ |
| | 12" casing volume = $0.7854 \text{ ft}^3 \times 460' = 361.3 \text{ ft}^3$ $= 361.3 \text{ ft}^3 \times \frac{7.46 \text{ gals}}{\text{ft}^3} = 2,695 \text{ gals.}$ |
| | <u>Cement Stage Number #1</u> |
| | $30 \text{ sks neat} \times \frac{1.26 \text{ ft}^3}{\text{sk}} = 37.8 \text{ ft}^3$ |
| | $37.8 \text{ ft}^3 \div 0.3382 \text{ ft}^3 (8" \text{ casing}) = 112 \text{ ft of lift}$ |
| | Theoretical tag after first stage = 778' bls Physical tag after first stage = 800' bls. |
| | Caliper total volume = 626 ft ³ Caliper total casing volume = 503 ft ³ Calculated casing volume = 507 ft ³ Calculated Cement volume = 273 Sacks. |
| | <u>Cement Stage NO. 2</u> |
| 1350 hr | Started pumping 8% cement/bentonite slurry Total Number of sacks 72 Number of barrels 24 Yield per sack = 1.86 Measured slurry weights 128 lbs per barrel |

WELL DRILLER'S LOG

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

PROJECT LWC-FAS WELL NO. I75-PW DATE 10/31/00

| Time DEPTH | DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER |
|---------------|--|
| 0950 | Ed Rechtenwald Arrived on site |
| | |
| 0955 | Tagged top of cement stage No. 5 @ 6.5 ft bls. |
| | |
| 1007 | Topped off well w/ 4 sacks of neat cement. |
| | $4 \text{ sk} \times 1.26 \text{ ft}^3 = 5.04 \text{ ft}^3$ |
| | $5.04 \text{ ft}^3 \div 0.7854 \frac{\text{ft}^3}{\text{ft}} = 6.4 \text{ ft of 4-ft}$ |
| | Cement grouted back to land surface. |
| | Well casing cut approx. 18-inch below grade |
| | |
| 1100 | off site. |
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DAILY TIME SHEET

NAME Walt

DAY/DATE 10/27/00

PL: _____

JOB SPUMPS

CREW MEMBERS Kuma chik

EQUIPMENT USED _____

| TIME | | DESCRIPTION OF WORK PERFORMED |
|------|-----|---|
| FROM | TO | |
| 700 | 930 | <u>Reck 105⁰ to 89c</u> <u>6 cu yd</u> <u>Count w/ 30 SK neat</u> <u>Take Kuma + Kuma to home</u> <u>To Logon</u> |
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14/1

DAILY VEHICLE CHECK: Fuel Fluids Hoses Leaks Tires Lights Safety Kit

MESSAGE TO: MECHANIC DIV SUPT SAFETY DIR OFFICE MGR CO PRES

PUMPING PROJECT WORKSHEET

| | |
|---|-------------------------------------|
| PROJECT NAME: <u>SFWMD Napier</u> | DATE: <u>10-27-00</u> |
| JOB NUMBER: | PUMPER: <u>Ramko</u> |
| WELL NUMBER: | DRILLER: <u>max</u> |
| OWNER: | WEATHER CONDITIONS: |
| CONSULTANT: | |
| TASK: <u>(P.T.A.)</u> | KNOWN FACTORS: |
| <u>Plug Well w/12" to 450' - 8" from 450' to 897'</u> | <u>12" csg. to 450'</u> |
| | <u>8" csg. from 450 to 897'</u> |
| | <u>(2 1/4" Hg. to 897') tremmie</u> |

CALCULATIONS & SKETCH:

12" = 1.273 Ft/Ft³ 8% = 2.37 Ft/Sk

8" = 2.864 Ft/Ft³ 8% = 5.33 Ft/Sk

OPERATION SEQUENCE:

10-27-00 Pump 30 Skes Neat @ 897' to Establish Plug./Disp. w/3 Bbls F/W

10-30-00 Pump 240 Skes w/80% Bed sand 22 Skes Neat @ 800'

POST JOB SUMMARY:

Cement used: 240 Skes 89% Bed = 446.4 Ft³

52 Skes Neat = 165.5 Ft³

(292 Skes) 512 Ft³

**COLLIER COUNTY
BOARD OF COUNTY COMMISSIONERS**

PERMIT

MIT #: 2000102085 PERMIT WELL VALID 085
ISSUED: 10-27-00 BY: GARRETT_S APPROVED 10-27-00 APPROVAL DATE: 10-27-00
MASTER #: 2000102085 COA
 #
JOB ADDRESS: 73200
JOB DESCRIPTION: MONITOR WELL 8" X 900' CC10270-F JOB PHONE: (813)988-1132

SUBDIVISION #: 719 - Golden Gate Estates Unit 30 BLOCK: 31 LOT: 4
FLOOD MAP: 0415 ZONE: X ELEVATION:
FOLIO #: 0000038162490009 SECTION-TOWNSHIP-RAN 29 49 26

OWNER INFORMATION: CONTRACTOR INFORMATION:
TITF/ST OF FL DIVERSIFIED DRILLING CORP.
& DEP DOUGLAS BLDG P. O. BOX 290699
3900 COMMONWEALTH BLVD
TALLAHASSEE, FL 32399 TAMPA, FL 33687

CERTIFICATE #: 12937 PHONE: (813)988-1132

FCC CODE: 800 - WELLS
CONSTRUCTION CODE: 10 / OTHER
JOB VALUE: TOTAL SOFT:

SETBACKS FRONT: REAR: LEFT: RIGHT:
SEWER: SEPTIC WATER: WELL
CONTACT NAME: BOB MATTHEWS
CONTACT PHONE: (813)988-1132

Per Collier County Ordinance No. 96-83, as amended, all work under the approved building permit shall comply with all applicable laws, codes, ordinances and additional stipulations and/or Conditions of Permit. The approved permit expires if work authorized is not commenced within six (6) months from date of issue as evidenced by the successful completion of the foundation inspections as stated in Ordinance No. 96-83 104.6.1.b as amended. Fee Resolution No. 96-594 provides for additional fees for failing to obtain permits prior to commencing construction. The permittee further understands that only licensed contractors may be employed and that the structure shall not be used or occupied until a Certificate of Occupancy is issued.

NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies.

**WARNING TO OWNER: YOUR FAILURE TO RECORD A
NOTICE OF COMMENCEMENT MAY RESULT IN YOUR
PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY.
IF YOU INTEND TO OBTAIN FINANCING CONSULT WITH
YOUR LENDER OR AN ATTORNEY BEFORE RECORDING
YOUR NOTICE OF COMMENCEMENT.**

**INSPECTION JOB CARD - COLLIER COUNTY, FLORIDA
FOR INSPECTIONS PHONE 643-9757**

PERMIT NBR 2000102085 **MASTER NBR** 2000102085 **ISSUED** 10/27/00

DESC.: MONITOR WELL 8" X 900' CC10270-F

JOB LOCATION: 73200

SUBDIVISION: 719 Golden Gate Estates Unit 30

LOT 4

BLOCK 31

CONTACT NAME: BOB MATTHEWS

CONTACT PHONE: (813) 988-1132

D.B.A.: DIVERSIFIED DRILLING CORP.

SETBACKS

FRONT:

REAR:

LEFT:

RIGHT:

SPECIAL:

FLOOD ZONE: X

| REQ | DESCRIPTION |
|------------|--------------------|
| 804 | WELL |

| REQ | DESCRIPTION |
|------------|--------------------|
|------------|--------------------|

NOISE ORDINANCE 90-17 - NOISE LIMITATIONS are in effect at all times. Work permitted: RESIDENTIAL Areas - 6:30AM to 7:00PM Monday thru Saturday
NON-RESIDENTIAL Areas (more than 500 feet from Residential Area) 6:00AM to 8:00PM Monday thru Saturday. No Work on Sundays or Holidays.
RADIOS, LOADSPINNERS, ETC. - Must not disturb peace, quiet and comfort of neighboring inhabitants.
FREE CABLE LOCATIONS - Call 48 Hours prior to digging/FPL 434-1222/UTS 1-800-542-0000/PalmerCATV 785-0638 and all other applicable utilities.

**WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE
OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE
FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO
OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN
ATTORNEY BEFORE RECORDING YOUR NOTICE OF
COMMENCEMENT. FS 713.135**

MV Geophysical **X-Y CALIPER GAMMA RAY LOG**

Company: DIVERSIFIED DRILLING
 Well: I-75-PW
 Field: Golden Gate
 County: Collier
 State: FL
 Location: (SRWMD 1/5 Canal) (near Golden Gate Parkway) Sec 29 T48S R28E
 Other Services: NONE

Well Information:
 Well Number: 145
 Well Name: I-75-PW
 Well Type: Production
 Well Status: Active
 Well Depth: 1150 ft
 Well Completion: Open Hole
 Well Completion Date: 10/26/2000
 Well Completion Method: None
 Well Completion Material: None
 Well Completion Notes: None

Log Information:
 Log Number: 145
 Log Name: I-75-PW
 Log Type: Production
 Log Status: Active
 Log Date: 10/26/2000
 Log Completion: Open Hole
 Log Completion Date: 10/26/2000
 Log Completion Method: None
 Log Completion Material: None
 Log Completion Notes: None

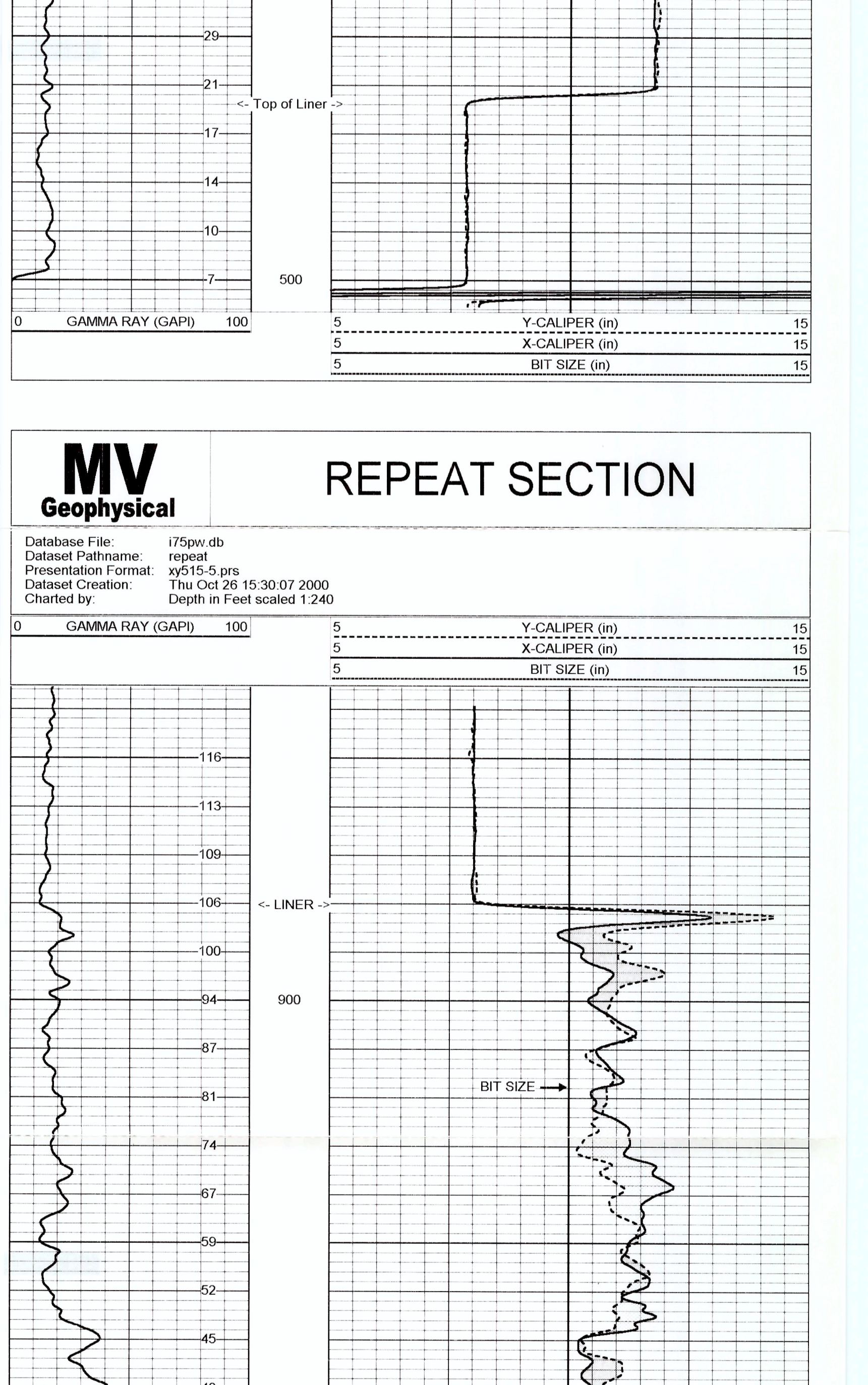
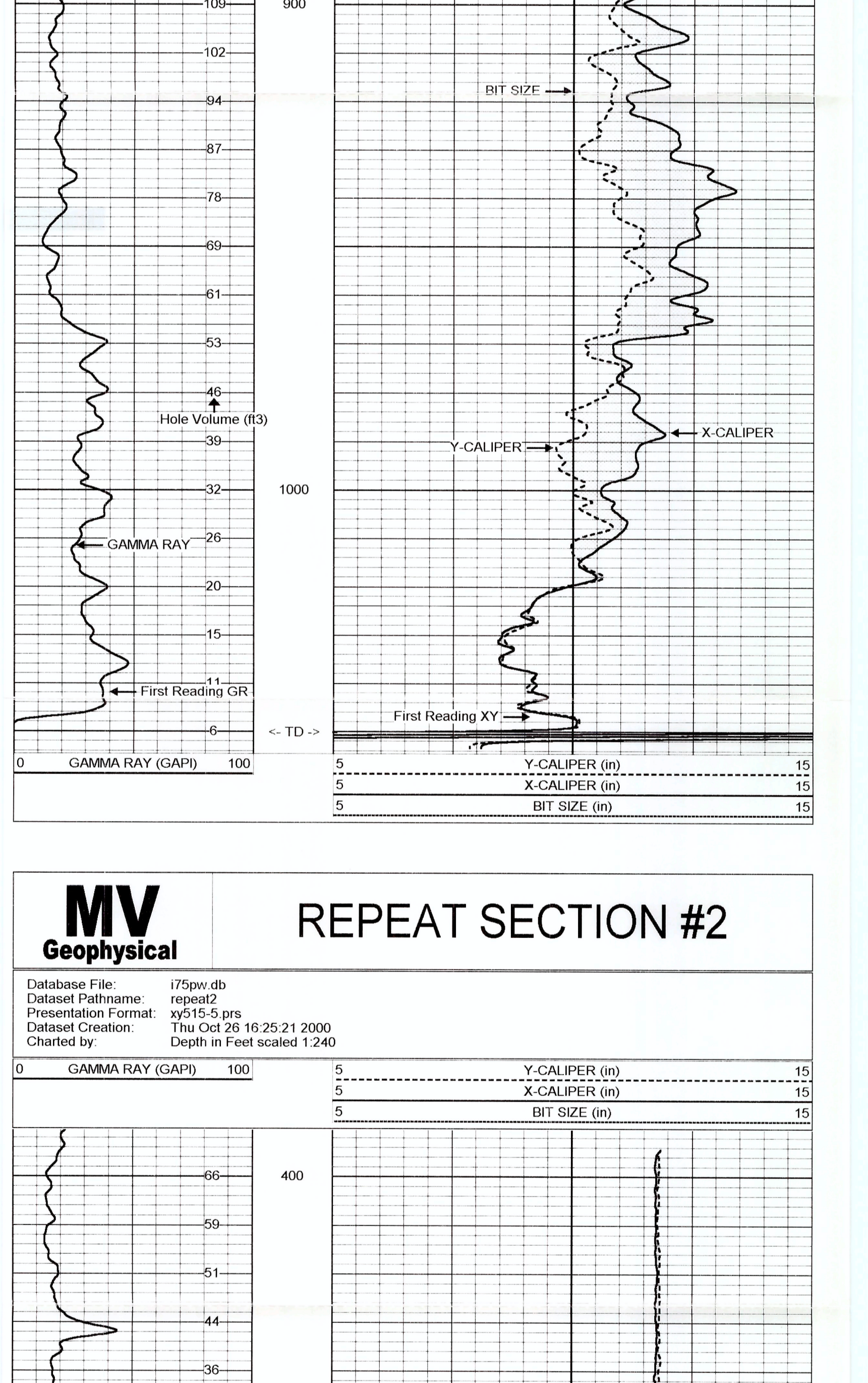
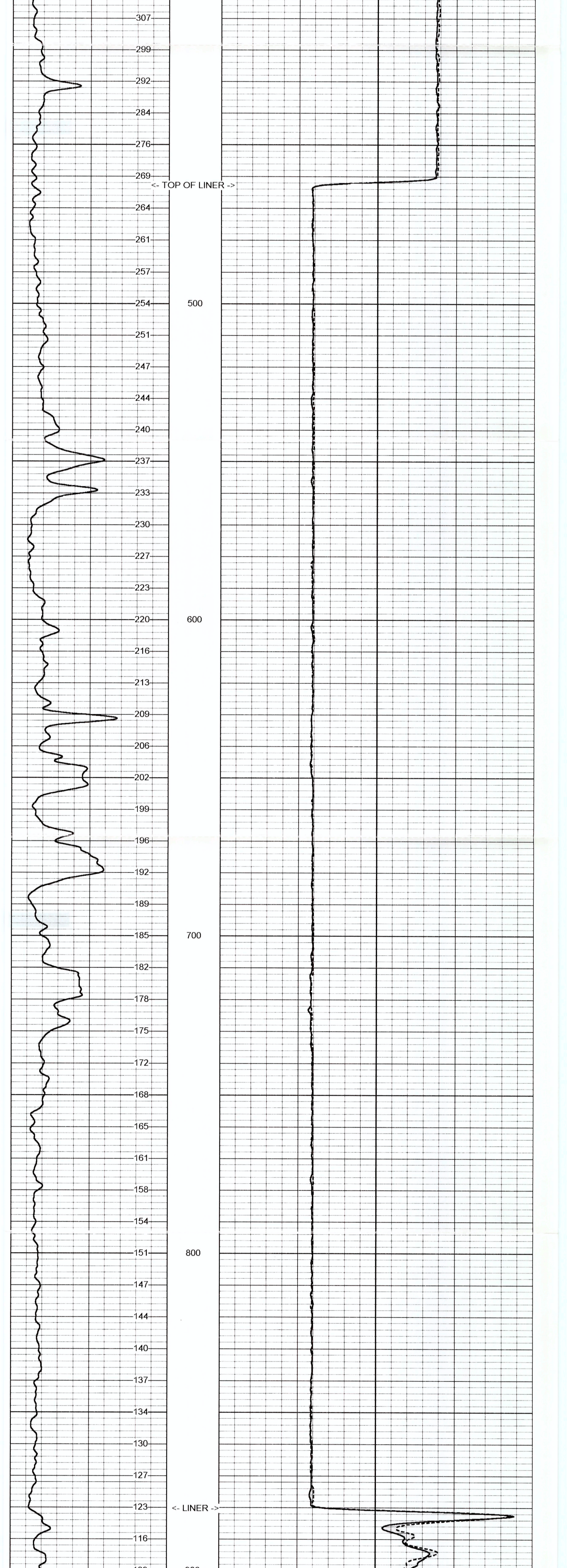
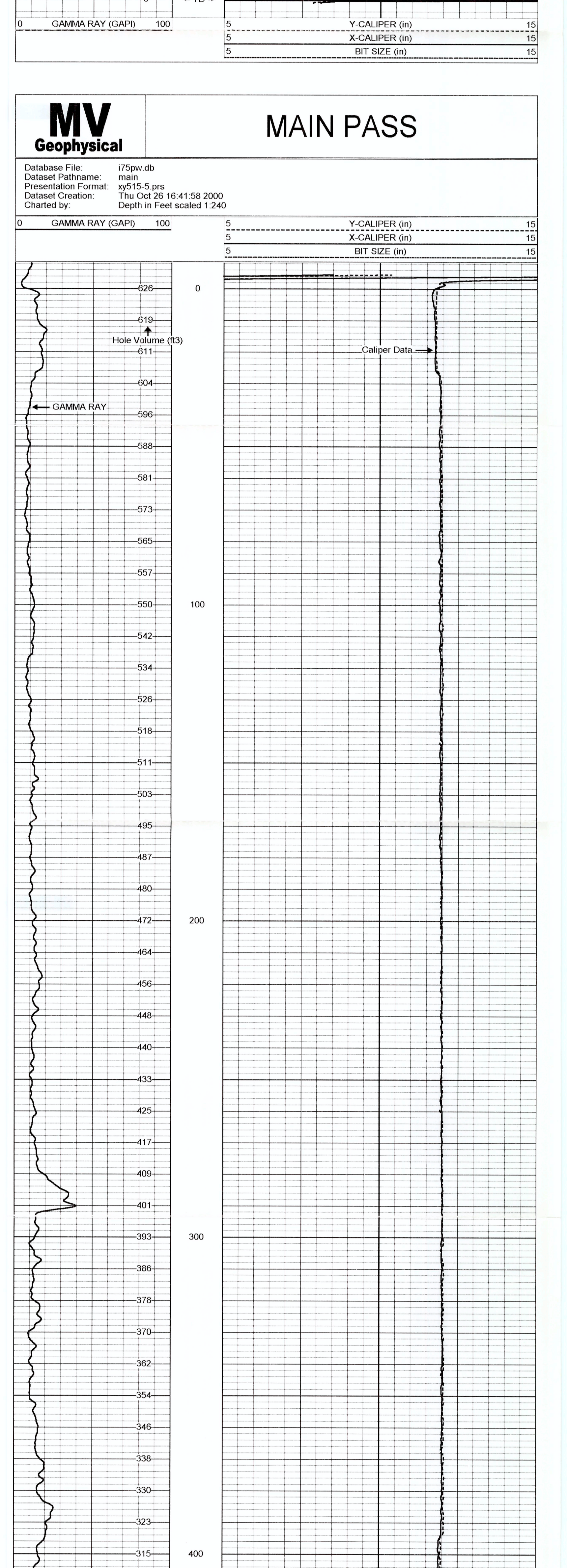
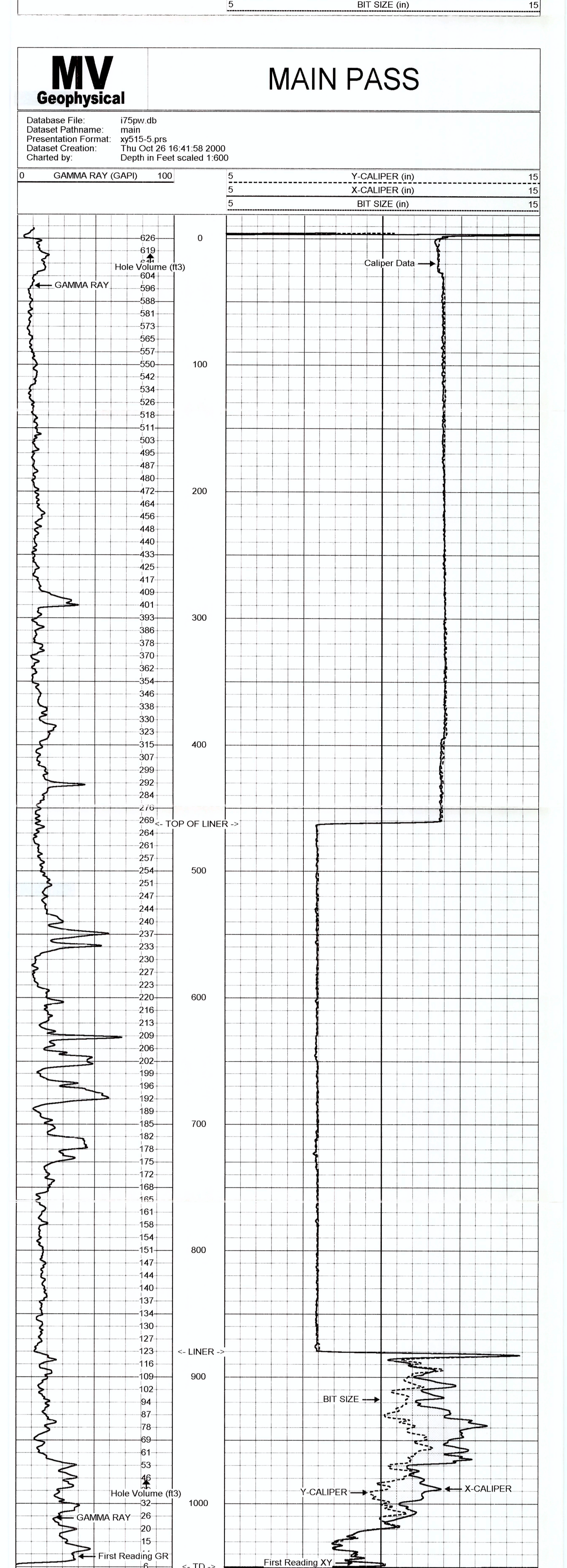
Log Parameters:
 Log Interval: 10 ft
 Log Interval Type: Normal
 Log Interval Units: Feet
 Log Interval Scale: 1.000
 Log Interval Offset: 0.000
 Log Interval Round: 0.000
 Log Interval Round Type: None
 Log Interval Round Units: None
 Log Interval Round Scale: 1.000
 Log Interval Round Offset: 0.000
 Log Interval Round Round: 0.000
 Log Interval Round Round Type: None
 Log Interval Round Round Units: None
 Log Interval Round Round Scale: 1.000
 Log Interval Round Round Offset: 0.000

Log Header:
 Log Number: 145
 Log Name: I-75-PW
 Log Type: Production
 Log Status: Active
 Log Date: 10/26/2000
 Log Completion: Open Hole
 Log Completion Date: 10/26/2000
 Log Completion Method: None
 Log Completion Material: None
 Log Completion Notes: None

Log Footer:
 Log Number: 145
 Log Name: I-75-PW
 Log Type: Production
 Log Status: Active
 Log Date: 10/26/2000
 Log Completion: Open Hole
 Log Completion Date: 10/26/2000
 Log Completion Method: None
 Log Completion Material: None
 Log Completion Notes: None

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone reading from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments



XY Caliper Calibration Report

Serial Number: 14S
 Tool Model: XYCS
 Performed: Thu Oct 26 16:14:00 2000

Small Ring: 9 in
 Large Ring: 15.25 in

Reading with Small Ring: 561.905 cps
 Reading with Large Ring: 748.071 cps

Gain: 0.0496568
 Offset: -21.9193

Y Caliper: 543.948 cps
 X Caliper: 722.651 cps

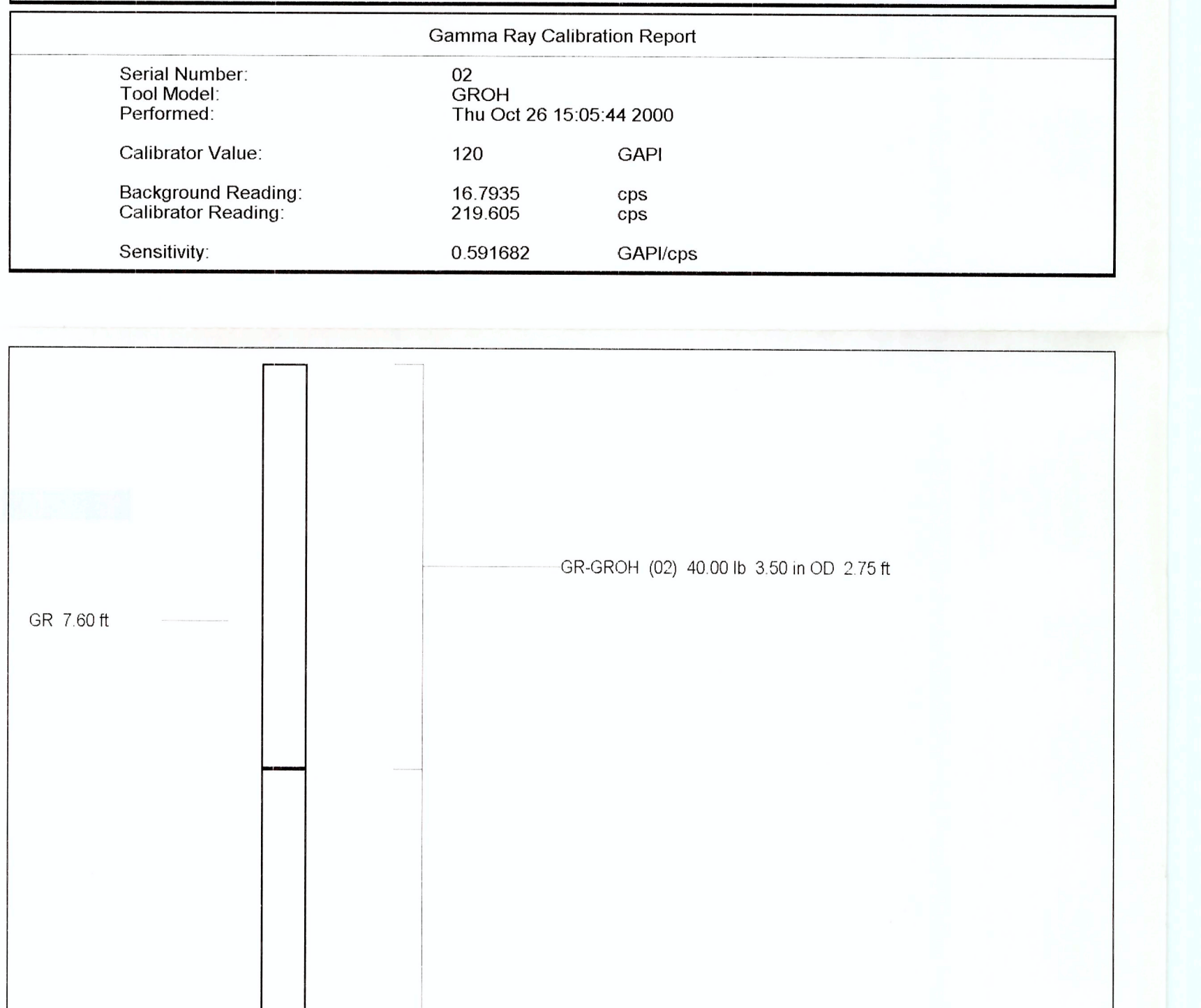
Gamma Ray Calibration Report

Serial Number: 02
 Tool Model: GROH
 Performed: Thu Oct 26 15:05:44 2000

Calibrator Value: 120 GAPI

Background Reading: 16.7935 cps
 Calibrator Reading: 219.805 cps

Sensitivity: 0.591682 GAPI/cps



Dataset: run1/pass3
 Total Length: 9.35 ft
 Total Weight: 127.00 lb
 O.D.: 3.50 in