

New Mexico Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Chesapeake Operating, Inc.

3a. Address
P. O. Box 11050 Midland TX 79702-8050

3b. Phone No. (include area code)
(432)687-2992

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 1980' FEL, Sec. 14, T20S, R35E

5. Lease Serial No.
NM-16835

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Neuhaus 14 Federal #3

9. API Well No.
30-025-35153

10. Field and Pool, or Exploratory Area
Undesignated; Seven Rivers

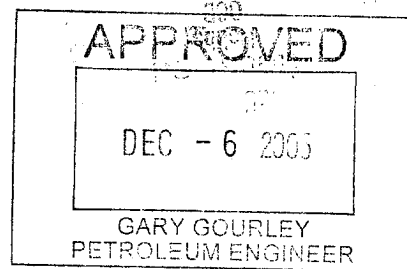
11. County or Parish, State
Lea
New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/ Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other _____
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Chesapeake, respectfully, requests permission to plug and abandon this well according to the attached procedure..



work done

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Brenda Coffman

Title

Regulatory Analyst

Signature

Brenda Coffman

Date

11/22/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**Neuhaus Federal 14 #3
Lea County, New Mexico
Plugging Procedure**

Date: November 21, 2005

Location: 660' FSL & 1,980' FEL Sec. 14-T20S-R35E

Production Casing: 5 ½" 17# & 20# L-80 LT&C, 17# HCP-110 LTC 0-13,444', ID-4.778", Drift-4.653",
Burst-7,740#

PBTD/TD: 9,715'/13,444'

Current: Seven Rivers 4112-26', 4174-86', 4234-52', 4260-76'

Recommended Procedure:

1. RIH w/ open ended tbg to 7,100'. Set balanced cement plug from 7,100' to 6950'.
2. Set balanced cement plug across Seven Rivers perfs from 4,300' - 4,000'. WOC, then tag cement. POH w/ tbg.
3. Rig up wireline co. Find free point and cut off 5 ½" csg (estimate @ +/- 4,000'). POH w/ 5 ½".
4. RIH w/ tbg to 75' below top of 5 ½". Set balanced cement "stub" plug from 75' below top of 5 ½" to 75' above 5 ½".
5. Set "top of salt cement plug" from 1,250-1,150'.
6. Set csg shoe plug from 450' - 305'. WOC, then tag plug.
7. Set surface plug from 50' – surface.
8. Install dry hole marker. Rig down. Clean up location. Move off.

CURRENT WELLBORE SCHEMATIC

CHESAPEAKE OPERATING INC.

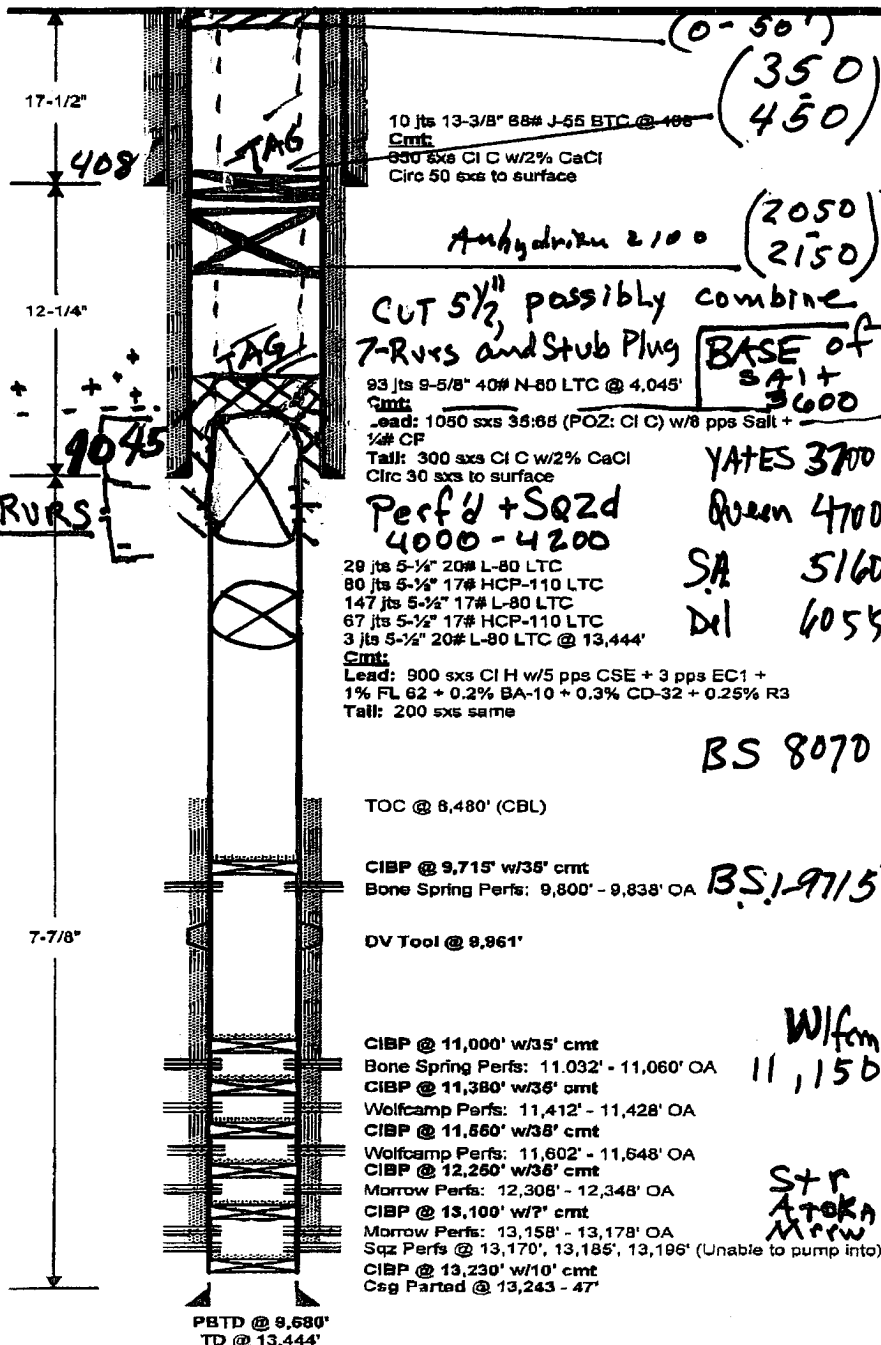
WELL : NEUHAUS 14 FEDERAL 3
 LOCATION : 660' FSL & 1,980' FEL, SEC. 14, T20S, R35E
 COUNTY : LEA STATE : NM
 FIELD : FEATHERSTONE
 ELEVATION : GL - 3,676' KB - 3,691'

Chesapeake
 Natural Gas
 Natural Advantages.

API #: 30-026-35153
 SPUD DATE: 10/1/00
 RIG RELEASED: 11/23/00
 COMPL DATE: 3/13/01

HOLE
 SIZE

Intent to CUT/pull 5 1/2"



Well History:

1/22/01: TOH w/btl. Lost 2 cones off bit in hole. No cmt on btm Morrow zone.
 1/25/01: Well flowing. Killed well w/10 ppg brine. PU pkr & TIM. Unable to get pkr through DV tool @ 9,861'. TOH w/btg & pkr. Milled out DV tool & circ clean.
 1/29/01: RIH w/pkr, on-off tool, & re-entry guide. Set pkr @ 13,147', on-off tool @ 13,148', & re-entry guide @ 13,187'. Swab 2-1/4 hrs, 5 runs. IFL @ surface, FFL @ 2,300' PS. REC 48 BW & show of gas wash run. No flow after runs.
 1/31/01: RSL pkr. Found 2-1/4 - 4\" space b/w csg collar @ 13,243' - 13,247'. Kill lbg w/100 bbls 10B.
 2/2/01: Perf 4 sqz holes @ 13,170'. Could not go through csg part @ 13,247' b/c decentralizer. RIH w/pkr & set @ 13,194'. Could not break down ports after 3 attempts. Inj into form, no circ. PU pkr to 13,084'. Perf 13,185', RIH w/btg & attempt to work EOT through csg part. Could not break down sqz holes after 3 attempts. Inj into form, no circ. PU pkr to 13,084'. Perf 13,198', 3 SPP.
 3/30/01: Set pkr @ 13,210', parts @ 13,198' could not break down. Pumped 1/4 BPM into form, no circ. RSL pkr & TOH w/10,000' lbg.
 2/8/01: TOOH w/pkr & 3,000' lbg. Pkr had 2-1/4 elements missing. RIH w/5-1/2\" CIBP @ 13,230'. Dumped cmt on top of CIBP. TOC @ 13,220'. Drive sprocket on VIL which broke. PU blocks to crown. Pulled out 100' w/kill truck.
 2/6/01: PU TCP guns & pkr assembly. Spotted guns to perf Morrow zone: 13,158' - 13,178'. Set pkr & RBL on-off tool. Circ hole w/200 bbls 2% KCl w/pkr fluid.
 2/7/01: Latch on-off tool. Swabbed 3 hrs, 8 runs. IFL @ surface, FFL @ 10,000'. REC 65 bbls. Dropped perf string bar. Good indication of guns firing. Tbg static. Swabbed 2 hrs, 4 runs. IFL @ 8,100', FFL @ 4,700'. REC 28 BW.
 2/12/01: Swab 8 hrs, 24 runs. IFL @ 800', FFL @ 4,200'. REC 240 BW. Slightly gassy. Light blow after run.
 2/14/01: RBL pkr & POOH w/pkr & tbg. RIH w/5-1/2\" CIBP & set @ 13,100'. Dump cmt on top of CIBP.
 2/15/01: Perf Morrow: 12,308' - 12,348', 4\" guns, 1 SPP, 42 total holes. RIH w/1X pkr & set @ 12,307'. Pickle tbg w/500 gals to btm of tbg. REV out.
 2/16/01: Spotted 2 bbls 7-1/2% NaFe acid across ports. PU pkr & reset @ 12,218'. SD & REL on-off tool & spotted acid & balls to end of lbg. Re-set on-off tool. ACDD Morrow perf: 12,308' - 48\" w/4000 gals 7-1/2% NaFe w/BS BS. Slight BA. Swabbed, IFL @ surface, FFL @ 5,000' PS. REC 110 BLW, 70 BLWTR. Acid gas w/last 4 swab runs.
 2/21/01: Loaded tbg w/65 bbls 2% KCl. RSL pkr. TOH w/btg & pkr.
 2/22/01: RIH w/CIBP & set @ 12,250'. Loaded hole w/64 bbls 2% KCl. Perf Woltcamp: 11,637' - 48\", 4\" csg guns, 2 SPP, 22 total holes, 120 deg phsg. Perf Woltcamp: 11,602' - 44\", 4\" csg guns, 2 SPP, 22 total holes, 120 deg phsg. Dump 35\" cmt on CIBP. TIM w/366 lbs 2-7/8\" lbg & pkr.
 2/23/01: Spotted 2 bbls acid across ports. PU pkr to 11,492'. ACDD Woltcamp Perfs: 11,602' - 48\" w/2500 gals 15% NaFe & 72 BS. No BA. Swab 7 hrs, 14 runs. REC 112 bbls, LTR 21 BLW, 5-10\" oil cut on runs 8 - 19.
 2/27/01: Loaded tbg w/60 bbls 2% KCl. RSL pkr & TOH. RIH w/5-1/2\" CIBP & set @ 11,550'. Perf Woltcamp: 11,412' - 28\", 4\" csg guns, 2 SPP, 120 deg phsg, 93 total holes. Dump 35\" cmt on CIBP.
 2/28/01: PU 5-1/2\" OS-1 pkr & set pkr. Spotted 2 bbls acid. ACDD Woltcamp perfs: 11,412' - 28\" w/3000 gals 15% NaFe w/60 BS. Flushed to btm perf w/68 bbls 2% KCl. No BA. Swab 3 hrs, 7 runs, IFL @ surface, & FFL @ 5,500'. REC 65 BLW. Last 3 runs had 8 min acid gas after run. Last run had no cut.
 3/5/01: TOH w/btg & pkr. Perf Woltcamp: 11,032' - 48\", 2 SPP, 28 total holes, 120 deg phsg. Perf Woltcamp: 11,054' - 80\", 2 SPP, 11 total holes, 120 deg phsg. PU 5-1/2\" RBP & pkr. Set RBP @ 11,380', set pkr @ 11,370'. Loaded w/78 bbls 2% KCl. PU RBP to 11,080'. Spotted 1 bbl acid. PU to 10,918' 5\" pkr.
 3/7/01: ACDD Woltcamp perfs w/2000 gals 15% NaFe w/60 BS. Loaded tbg w/6 bbls. Flushed w/67 bbls 2% KCl. Fair BA. No ball out. Swab 8 runs & well kicked off flowing. Flowed & swabbed 475 bbls w/varying oil cuts.
 3/8/01: Swab 11 hrs REC 134 BTF, 60-65% oil cut.
 3/9/01: Killed tbg w/65 bbls 2% KCl. TOH w/RBP & pkr.
 3/12/01: RIH & set CIBP @ 11,380'. Dump 35\" cmt on CIBP. TIM w/btg & rods. Put on pump. Good pump action.
 3/22/01: P 24 hrs REC 22 BO, 200 BW, & 0 MCF, venting gas.
 4/25/01: P 24 hrs REC 28 BO, 98 BW, & 0 MCF, venting gas.
 5/15/01: POH w/pump & rods. Put back on pump.
 9/20/01: P 24 hrs REC 5 BO, 112 BW, & 0 MCF.
 10/6/01: P 24 hrs REC 0 BO, 11 BW, & 0 MCF.
 10/26/01: Fluid from surface 338 lbs. Possible drilling fluid coming out of intermediate csg.
 3/8/02: TOH w/rods, pump, & lbg. RIH w/gauge ring & JB to 11,010'. RIH w/5-1/2\" Alpha CIBP & set @ 11,007'.
 3/7/02: Perf Bone Spring Sand: 9,800' - 9,838', 4\" csg guns, 2 SPP. Dump 35\" cmt on top of CIBP. TIM w/btg & pkr. Set pkr @ 9,701'.
 3/11/02: Swab 3 hrs, made 7 runs, IFL @ 2700', FFL @ 9500'. REC 45 BTF. Last run 2% oil. ACDD Bone Spring perfs w/5000 gals 15% NaFe HCl. Form broke @ 5300'. Some BA. No ball out. Flushed w/63 BFW. Swab 6 hrs, made 14 runs, IFL @ surface, FFL @ 4000'. REC 65 BLW (68 BWTR). Some acid gas, no oil.
 3/15/02: Unset pkr & POH.
 11/25/03: 1\" report to TA well. RIH w/5-1/2\" CIBP & set @ 9,715'. Dump 35\" cmt on top of CIBP. Load csg w/26 bbls pkr fluid. Left well TA'd. Final report.

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PREPARED BY: Melissa D. Meals

UPDATED BY:

DATE: 8/2/2004
 DATE: GARY GOURLEY
 PETROLEUM ENGINEER

NO REEF, Anhydrite (SPACE) Plug will suffice for Top of Salt Plug

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See instructions on
reverse side)1625 N. French Dr.
Hobbs, NM 88240
OMB NO. 1004-0137
Exp. Date 12/31/95

5. LEASE DESIGNATION AND SERIAL NO.

NM 16835

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

NEUHAUS 14 FEDERAL #3

9. API WELL NO.

30025-35153

10. FIELD AND POOL, OR WILDCAT

EAST FEATHERSTONE BONE SPRING

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

SEC 14 20S 35E

12. COUNTY OR PARISH

LEA

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:

OIL
WELL ☒GAS
WELL ☐DRY ☐

Other

b. TYPE OF COMPLETION:

NEW
WELL ☒WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
RESVR. ☐

Other

2. NAME OF OPERATOR

CONCHO OIL & GAS CORP.

3. ADDRESS AND TELEPHONE NO.

110 W. LOUISIANA STE 410; MIDLAND, TX 79701 (915) 683-7443

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

660' FSL & 1980' FEL

At top prod. interval reported below

SAME

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

LEA

13. STATE

NM

15. DATE SPUDDED

10/01/00

16. DATE T.D. REACHED

11/24/00

17. DATE COMPL. (Ready to prod.)

03/13/01

18. ELEVATIONS (DF, RKB, RT, GE, ETC.)*

3676

19. ELEV. CASINGHEAD

3677

20. TOTAL DEPTH, MD & TVD

13270

21. PLUG, BACK T.D., MD & TVD

13397

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BYROTARY TOOLS
XXX

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*

11032-46' BONE SPRING

11054-60' BONE SPRING

26. TYPE ELECTRIC AND OTHER LOGS RUN

(ORIG. SGD.) GARY GOURLEY

27. WAS WELL CORED

No

28.

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8" J55	68	408	17-1/2	350 SX C. CIRC TO SURF	0
9-5/8" J55	40	4200	12-1/4	1050 C. CIRC TO SURF	0
5-1/2" N80	17	13444	7-7/8	1100 H. TOC @ 9840'	0

29.

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8	11057	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

11032-46 W/ 2 SPF (29 SHOTS) & 11054-60 W/ 2 SPF (11 SHOTS)
13158-13178' W/ 4 SPF (80 SHOTS) - CIBP @ 13100' W/ 35' CMT ON TOP
12308-12348' W/ 1 SPF (42 SHOTS) CIBP @ 12250' W/ 3' CMT ON TOP
11637-48' W/ 2 SPF (22 SHOTS) CIBP @ 11550' W/ 35' CMT ON TOP
11602-14 W/ 2 SPF (26 SHOTS) CIBP @ 11550' W/ 35' CMT ON TOP
11412-28 W/ 2 SPF (33 SHOTS) CIBP @ 11380' W/ 35' CMT ON TOP

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11032-60	2000 GALS 15% NEFE
11412-28	3000 GALS 15% NEFE
11602-48	2500 GALS 15% NEFE
12308-48	4000 GALS 7.5% NEFE

33. *

PRODUCTION

DATE FIRST PRODUCTION 03/22/01		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) PUMPING ((2-1/2"x1-1/4"x14')					WELL STATUS (Producing or shut-in) PROD	
DATE OF TEST 03/28/01	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD →	OIL—BBL. 88	GAS—MCF. 150	WATER—BBL. 94	GAS-OIL RATIO 1875	
FLOW. TUBING PRESS.	CASING PRESSURE 50	CALCULATED 24-HOUR RATE →	OIL—BBL. 88	GAS—MCF. 150	WATER—BBL. 94	OIL GRAVITY-API (CORR.) 38.6		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

VENTING - awaiting gas purchaser tie in

TEST WITNESSED BY

M. Hulse, Concho Resources inc.

35. LIST OF ATTACHMENTS

sundry, letter of confidentiality, logs, C102

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Production Analyst

DATE 04/03/01

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (State all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
DELAWARE	5682		
BONE SPRING	8194		
WOLFCAMP	11711		
STRAWN	12097		
ATOKA	12294		
MORROW	12793		

set plug
 over top
 Circulate in
 annulus 100' above
 shoe -

Retest Yates or 7 Run
 plug can be set in
 5 1/2 ft w/o SO weighing.

✓

RECEIVED
 2001 APR -5 AM 7:46
 L. J. MOORE
 POLICE OFFICE

RECEIVED

2001 APR -5 AM 7:46

1995

38. GEOLOGICAL MARKERS			38. GEOLOGICAL MARKERS		
NAME	TOP		NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH		MEAS. DEPTH	TRUE VERT. DEPTH