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District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

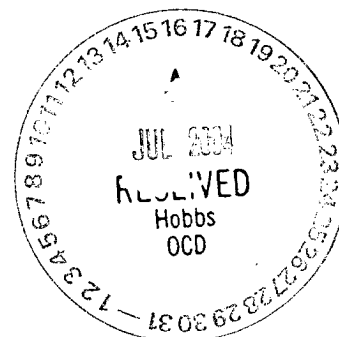
Form C-103
May 27, 2004

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-04731
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Citation Oil & Gas Corp.		6. State Oil & Gas Lease No. A-1350
3. Address of Operator P.O. Box 690688, Houston, TX 77269-0688		7. Lease Name or Unit Agreement Name Devonian State
4. Well Location Unit Letter <u>H</u> : <u>1980</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>East</u> line Section <u>20</u> Township <u>21S</u> Range <u>36E</u> NMPM County <u>Lea</u>		8. Well Number <u>4</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3610' GR; 3616' DF		9. OGRID Number 004537
Pit or Below-grade Tank Application ☐ or Closure ☐		10. Pool name or Wildcat Eumont Yates 7 Rivers Queen
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____		
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☒	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.			

Citation Oil & Gas Corp. requests approval to plug back Queen open hole, perforate the Yates and Seven Rivers and stimulate using the attached procedure.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Debra Harris TITLE Production/Regulatory Coordinator DATE 7/13/2004

Type or print name Debra Harris E-mail address: dharris@cogc.com Telephone No. (281) 517-7194

For State Use Only

APPROVED BY: [Signature] PETROLEUM ENGINEER
Conditions of Approval (if any): _____ TITLE _____ DATE JUL 22 2004

WORKOVER PROCEDURE

PROJECT: Devonian State #4 – Recomplete to Yates/Seven Rivers and Frac

DRILLED & COMPLETED: 1/36 LAST WO: 9/77 – Acid Stimulation

LOCATION: 1980' FNL & 660' FEL Section 20-21S-36E

FIELD: Eumont COUNTY: Lea STATE: NM

TD: 3,918' PBD: 3,903' DATUM: 3610' GL KB: 6'

CASING AND LINER RECORD

SIZE	WEIGHT	DEPTH	CEMENT	HOLE	TOC	REMARKS
12 1/2"	50#	247'	150 sx	16"	Surf	Circ (???)
9 5/8"	36#	1690'	400 sx	11"	Surf	Circ (???)
7"	24#	3816'	150 sx	8 3/4"	2937' (Est)	TOC est. w/ 50% XS

Producing formation: Queen OH (3816' – 3918') 6 1/4" OH

RODS: (4) 3/4" Pony Rods (4', 4', 6', 8'), 152 – 3/4" Rods, 2 1/2" x 1 3/4" x 16' RHBC

TUBING: 123 jts 2 7/8" 6.5# J-55 10v, 2 7/8" 10v to 8rd X-Over, 1 jt 2 7/8" 6.5# J-55 8 rd IPC, SN @ 3860', 2 7/8" Perf'd OPMA btm'd @ 3894'

PROCEDURE

- Notify NMOCD of planned work.
 - Use 2% KCl water for all water placed in wellbore.
 - Dig working pit w/ bank for circulating w/ air unit.
 - Locate and rack 3800' 2 7/8" 6.5# N-80 WS.
 - Locate and rack 3600' 3 1/2" 9.3# N-80 WS.
 - Re-sheave pumping unit for +/- 7 SPM.
1. MIRU PU. POH w/ rods. LD (9) 3/4" rods. Kill tbq and csg w/ 2% KCL water if necessary.
 2. ND WH. NU BOP. POH w/ 2 7/8" prod tbq. LD +/- 10 Jts 2 7/8" prod tbq.
 3. RIH w/ 6 1/4" MT skirted bit and 2 7/8" SN on 2 7/8" 6.5# L-80 WS to 3816' (7" csg shoe). Tally in hole. POH w/bit.
 4. RU WL. RIH and set CIBP at +/- 3770'. POH w/ WL. (NOTE: No cmt on CIBP due to possible re-entry at later date.)
 5. Load hole w/ 2% KCl and PT to 500#.
 6. RIH w/ GR/CCL/CBL logging tools. Run GR/CCL/CBL f/ PBD to TOC or minimum run. POH w/ logging tools. Evaluate log for cmt top. (NOTE: If cmt top is above perf interval, skip to Step 11.)
 7. RIH w/ perf gun. Perf sqz holes +/- 10' above TOC. RD WL.
 8. RIH w/ pkr on 2 7/8" WS. Set Pkr +/- 200' above sqz holes. Load annulus w/ 2% KCl.
 9. Sqz perfs w/ cmt slurry to be determined. Stage sqz as required. Rlse pkr and PUH +/- 500'. Re-pressure sqz and SI overnight to WOC.
 10. POH w/ pkr. RIH w/ 6 1/4" MT skirted bit, SN and (6) 4" DC's on 2 7/8" WS. Tag TOC and rig up reverse unit and power swivel. DO sqz. FIH w/ bit to CIBP @ 3770'. PT csg to 500#. Rig down reverse unit and power swivel. POH w/ bit.

11. RU WL w/ full lubricator. RIH w/ 4" select fire csg gun. Correlate to Lane Wells Radioactivity Log (GR-N) dated 5/20/58. Perf Seven Rivers w/ 1 jspf (0.38") as follows: 3373', 76', 85', 93', 3410', 12', 14', 16', 22', 25', 44', 48', 52', 56', 60', 64', 68', 72', 76', 80', 3514', 16', 26', 28', 30', 32', 48', 51', 54', 56' and 58' (31 holes f/ 3373' – 3558'). POH. RD WL.
12. RU hydrotesters. RIH w/ 7" Weatherford Arrowset 1-X Single Frac PKR w/ ball valve and T-2 on-off tool, 2 7/8" SN and 6' x 3 1/2" N-80 tbg sub on 3 1/2" 9.3# N-80 WS. Test tbg to 7000 psi AS (69% of new rating). Set pkr @ 3740'. Test CIBP to 3000 psi. Release pkr and PUH to +/- 3558' (btm perf).
13. RU acid/frac company. Spot 15% AS HCl acid across perfs. PUH to +/- 3270' and reverse 5 bbls. Set pkr @ +/-3270'. Load csg w/ 2% KCl. Hold 500 psi on csg w/ pop off set at +/- 750 psi. Monitor csg throughout acid and frac job.
14. Acidize Seven Rivers w/ 1500 gal 15% AS HCL acid at +/- 8-10 BPM (No Diverter). Frac Seven Rivers as per service company recommendation using CO₂. Tag w/ IR-192 @ 0.5MC/1M# sand (74 day half-life). Record rates, max and min pressures and SIP's. (NOTE: Max pressure = 5500 psi. All sand tagged w/ IR-192.)
15. Close frac pkr ball valve. Test ball valve to 5000 psi. Release On-Off tool. PUH to btm Yates perf. Spot double inhibited 15% AS acid across Yates interval (2982' – 3244'). POOH w/ On-Off tool on 2 7/8" WS.
16. RU WL w/ full lubricator. Pressure csg to 500 psi w/ 2% KCl. RIH w/ 4" select fire csg gun. Correlate to Lane Wells Radioactivity Log (GR-N) dated 5/20/58. Perf Yates w/ 1 jspf (0.38") as follows: 2982', 84', 92', 96', 3000', 04', 24', 28', 32', 36', 41', 51', 54', 58', 62', 66', 78', 82', 86', 90', 94', 98', 3120', 22', 24', 32', 36', 38', 44', 46', 52', 54', 68', 72', 75', 80', 82', 86', 92', 96', 3204', 08', 12', 16', 20', 24', 28', 32', 36', 40', and 44' (51 holes f/ 2982' – 3244'). POH. RD WL.
17. RIH w/ 7" RTTS PKR and SN on 2 7/8" WS to +/- 2900'. Rev 5 bbls. Set PKR.
18. Load csg w/ 2% KCl. Hold 500 psi on csg w/ pop off set at +/- 750 psi. Monitor csg throughout acid and frac job.
19. Acidize Yates perfs w/ 1500 gal 15% AS HCL acid at +/- 8-10 BPM (No Diverter). Frac Yates perfs as per service company recommendation. Tag w/ SC-46 @ 0.5MC/1M# sand (84 day half-life). Record rates, max and min pressures and SIP's. (NOTE: Max pressure = 5500 psi. All sand tagged w/SC-46.)
20. Flow back well to TT as per service company recommendation.
21. RU SL. Set SL Tbg plug in 2 7/8" SN. Load and test 3 1/2" tbg w/ 2% KCL. Perf 3 1/2" tbg sub above SN. RD SL. RU and swab back load from annulus. RD swab. (NOTE: Perforate w/ SL Tbg punch.)
22. Rlse Pkr. POOH w/ 3 1/2" WS. LD Pkr and 3 1/2" WS.
23. RIH w/ 2 7/8" frac PKR retrieving head and 2 7/8" SN on 2 7/8" WS to frac PKR. RU foam air unit and clean out sand to PKR. RD foam air unit. Latch onto PKR and release. POH w/ frac PKR and 2 7/8" WS.
24. TIH w/ 6 1/4" MT skirted bit and 2 7/8" SN on 2 7/8" WS. Tag for fill. RU foam air unit and clean out frac sand to PBTD. RD foam air unit. POH w/ bit and LD 2 7/8" WS.
25. Run 2 7/8" 6.5# J-55 10v production tbg string as follows: (NOTE: Tally in Hole. Set TAC w/ 10K Tension or 7" stretch.)

QTY	ITEM	LENGTH	DEPTH
	KB	6'	6'
+/- 95	Jts 2 7/8" 6.5# J-55 10v Tbg	2970'	2976'
1	7" x 2 7/8" TAC	3'	2979'
+/- 18	Jts 2 7/8" 6.5# J-55 10v Tbg	558'	3537'
1	Jt 2 7/8" 6.5# J-55 eue 8rd IPC Tbg	31'	3568'
1	2 7/8" SN	1'	3569'
1	Jt 2 7/8" Tubing Sub	4'	3573'
1	Cavins D2701-G Desander	20'	3593'
2	Jts 2 7/8" 6.5# J-55 eue 8rd BPMA	62'	3655'

26. RU Swab. Swab well until clean fluid is produced. RD Swab.

27. Run rod string as follows:

NO	RODS	LENGTH
1	1 1/4" x 16' PR w/ 1 1/2" x 8' Liner	16'
Set	3/4" Rod Subs (As Required)	10'
143	3/4" Rods	3575'
1	2 1/2" x 1 1/4" x 16' Pump w/ 8' GA	24'

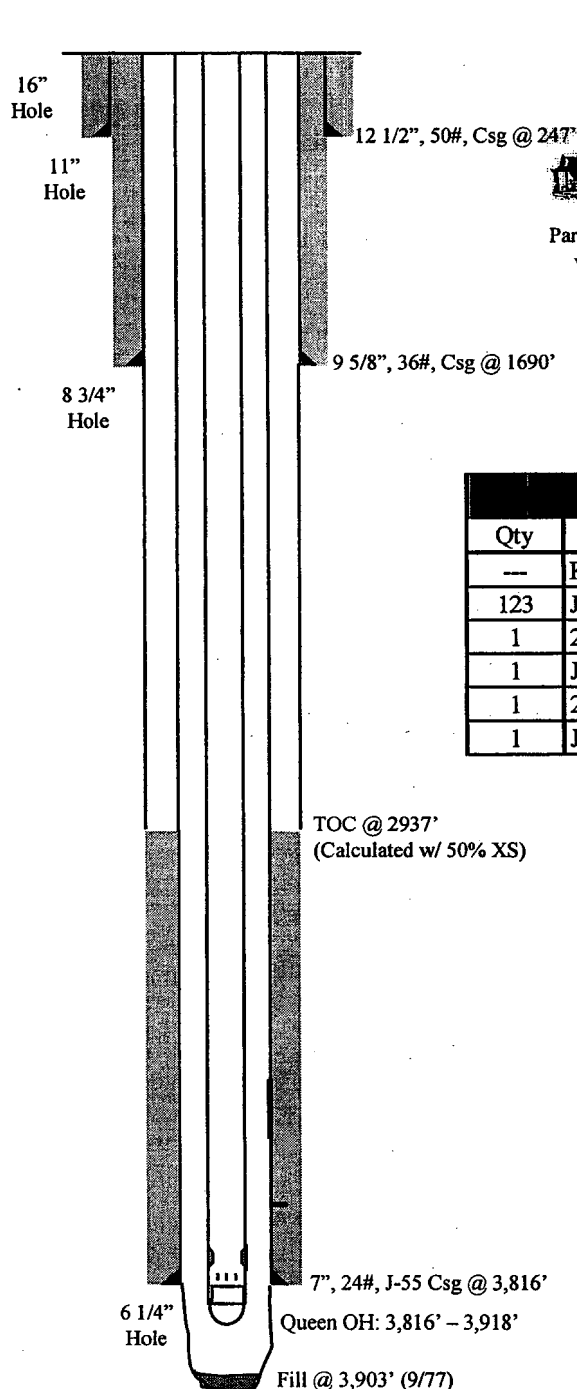
28. Load tbgs w 2% KCl and pressure test pump. Space out and hang well on. Leave pumping unit in 54" SL and re-sheave for +/- 7 SPM (Expected production rate +/- 52 BFPD @ 85% efficiency and 1 1/4" pump).

29. RD PU. Return well to production and place on test.

CITATION OIL AND GAS CORPORATION

CURRENT WELLBORE DIAGRAM AND INFORMATION

Well Name: Devonian State #4 **Field:** Eumont
Date: June 15, 2004 **Location:** 1980' FNL & 660' FEL, Sec 20
County: Lea **State:** New Mexico



Parkersburg 114D-54
w/15 HP Motor

Surface:	1980' FNL & 660' FEL, Sec 20, T21S-R36E
	Lea County, NM
Completed:	January 1936
Elevation:	3610' (GL)
KB:	6'

CASING DETAIL			
Size	Weight	Grade	Depth
12 1/2"	50	???	Surf - 247
9 5/8"	36	???	Surf - 1690
7"	24	???	Surf - 3816

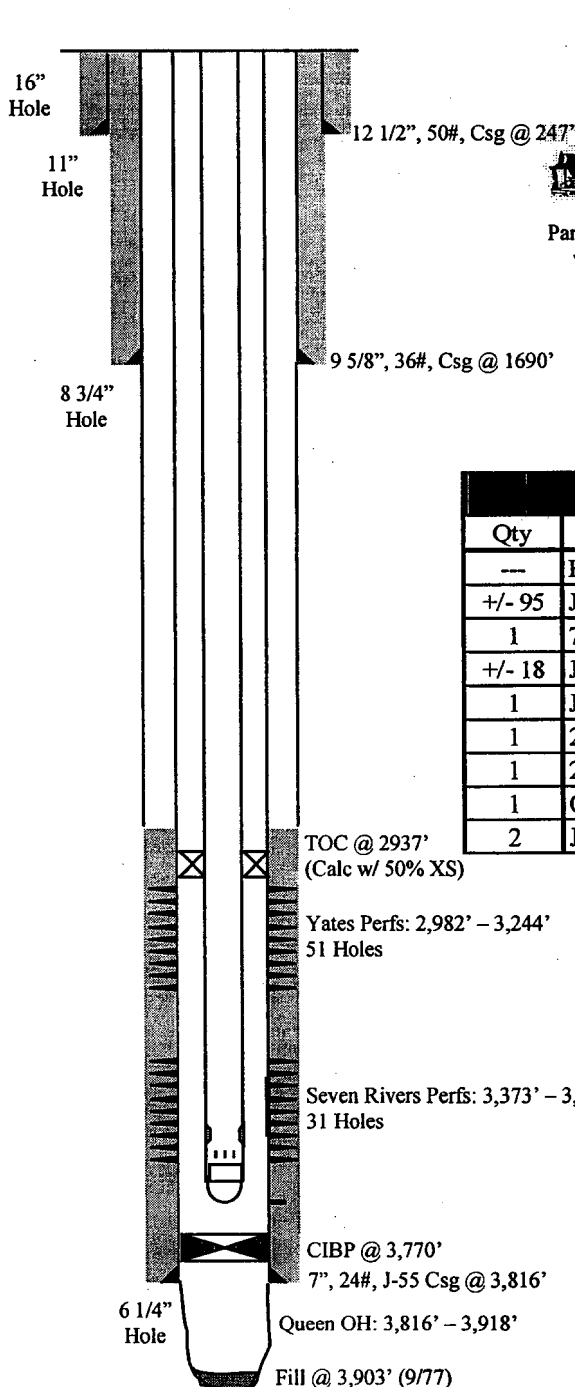
TUBING DETAIL			
Qty	Description	Length	Depth
—	KB	6.00'	6.00'
123	Jts 2 7/8", 6.5#, J-55 10v Tbg	3821.25'	3827.25'
1	2 7/8", 10v to 8rd X-Over	0.50'	3827.75'
1	Jt 2 7/8", 6.5#, J-55 8rd TK-99 Tbg	31.45'	3859.20'
1	2 7/8" SN	1.10'	3860.30'
1	Jt 2 7/8", 6.5# Perfd OPMA	34.00'	3894.30'

ROD DETAIL			
Qty	Size	Type	Length
152	3/4"	???	3,800
Polish Rod: 1 1/4" x 16' w/ 1 1/2" x 8' Liner			
Pony Rods: (4) 3/4" (4', 4', 6', 8')			
Pump: 2 1/2" x 1 3/4" x 16' w/ 8' GA			

CITATION OIL AND GAS CORPORATION

PROPOSED WELLBORE DIAGRAM AND INFORMATION

Well Name: Devonian State #4 **Field:** Eumont
Date: June 15, 2004 **Location:** 1980' FNL & 660' FEL, Sec 20
County: Lea **State:** New Mexico



Surface: 1980' FNL & 660' FEL, Sec 20, T21S-R36E
 Lea County, NM
Completed: January 1936
Elevation: 3610' (GL)
KB: 6'

CASING DETAIL

Size	Weight	Grade	Depth
12 1/2"	50	???	Surf - 247
9 5/8"	36	???	Surf - 1690
7"	24	???	Surf - 3816

TUBING DETAIL

Qty	Description	Length	Depth
---	KB	6'	6'
+/- 95	Jts 2 7/8", 6.5#, J-55 10v Tbg	2970'	2976'
1	7" x 2 7/8" TAC	3'	2979'
+/- 18	Jts 2 7/8", 6.5#, J-55 10v Tbg	558'	3537'
1	Jt 2 7/8", 6.5#, J-55 8rd TK-99 Tbg	31'	3568'
1	2 7/8" SN	1.10'	3569'
1	2 7/8", 6.5# J-55 Tbg Sub	4.00'	3573'
1	Cavins 2701-G Desander	20.00'	3593'
2	Jts 2 7/8", 6.5# J-55 BPMA	62.00'	3655'

ROD DETAIL

Qty	Size	Type	Length
143	3/4"	???	3,575
Polish Rod: 1 1/4" x 16' w/ 1 1/2" x 8' Liner			
Pony Rods: As Required			
Pump: 2 1/2" x 1 1/4" x 16' w/ 8' GA			

PBTD @ 3,903'
 TD @ 3,918'

A

A'

SHELL DEVONIAN STATE

4

Subsea
Depth
800

Subsea
Depth
- 800

BASE S

- 750

- 700

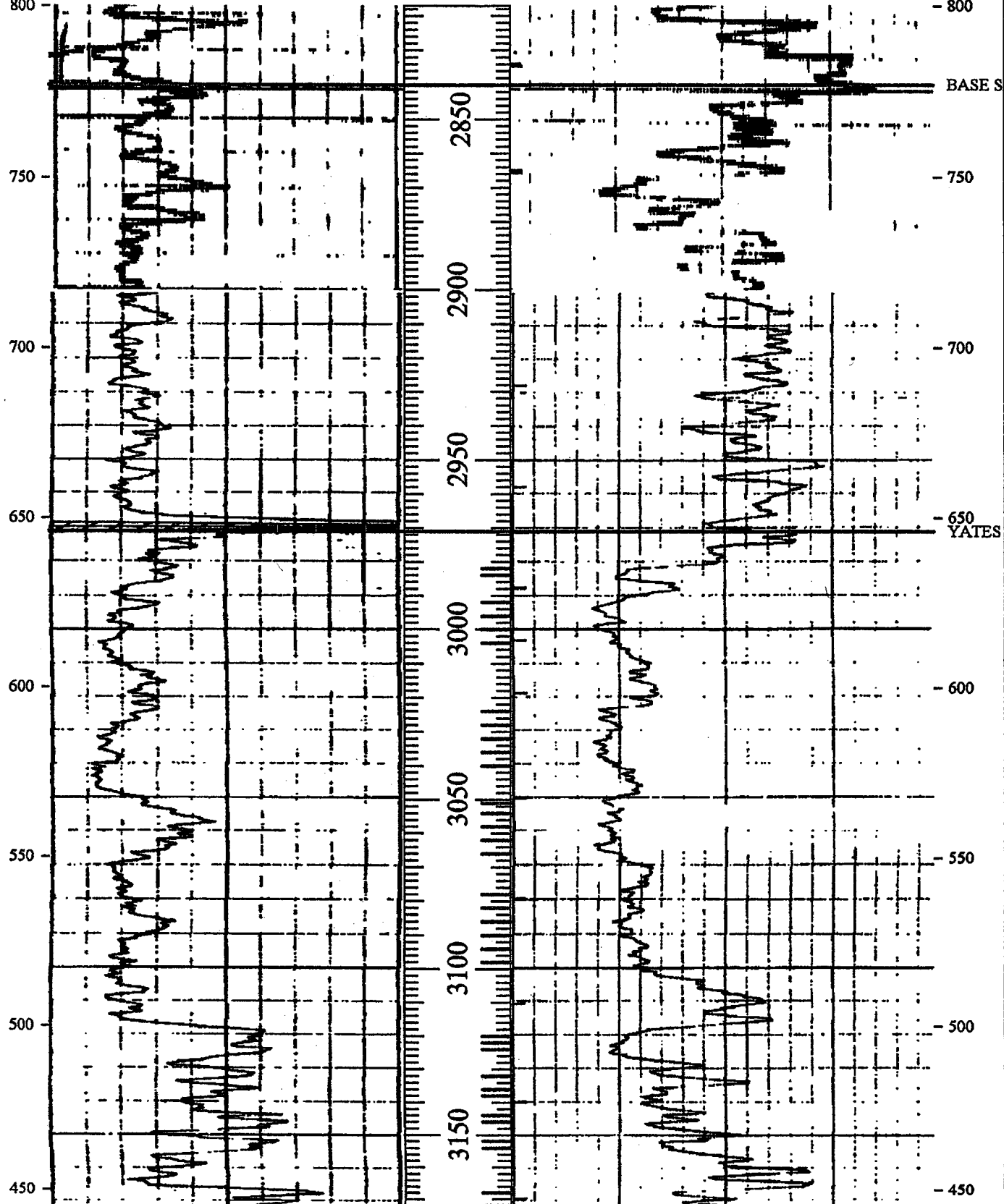
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YATES

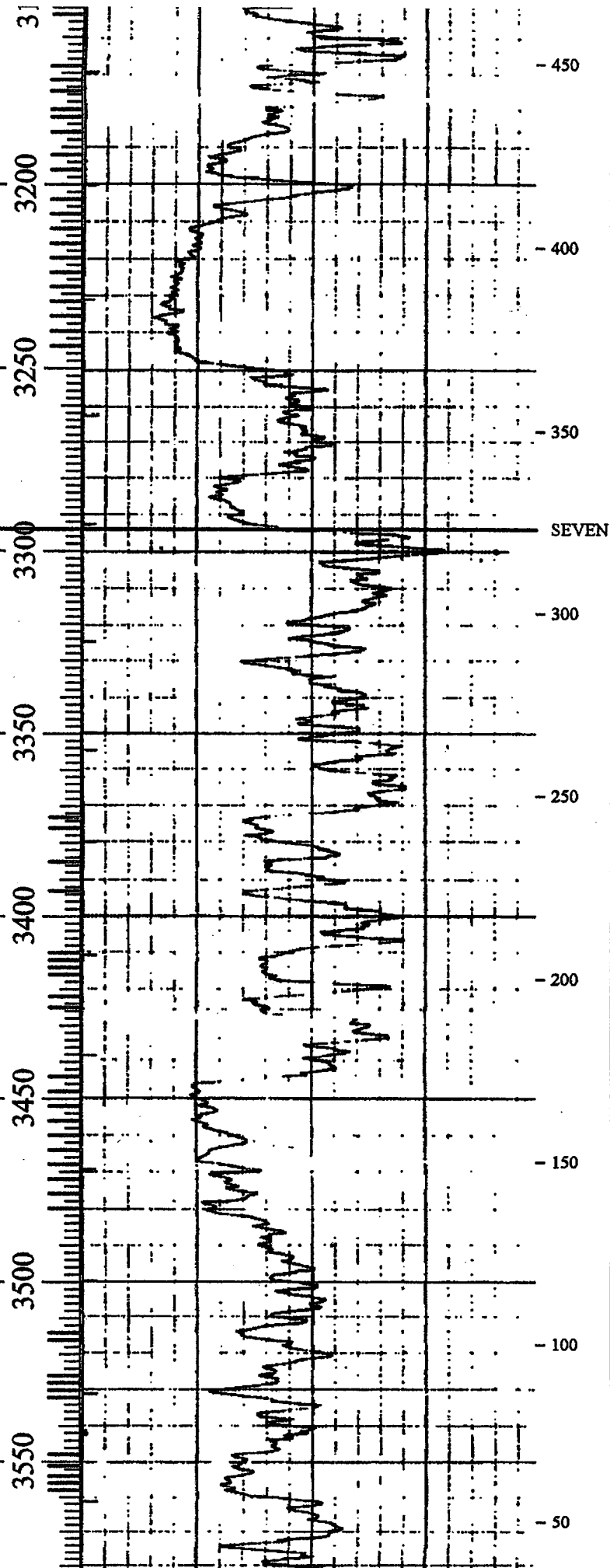
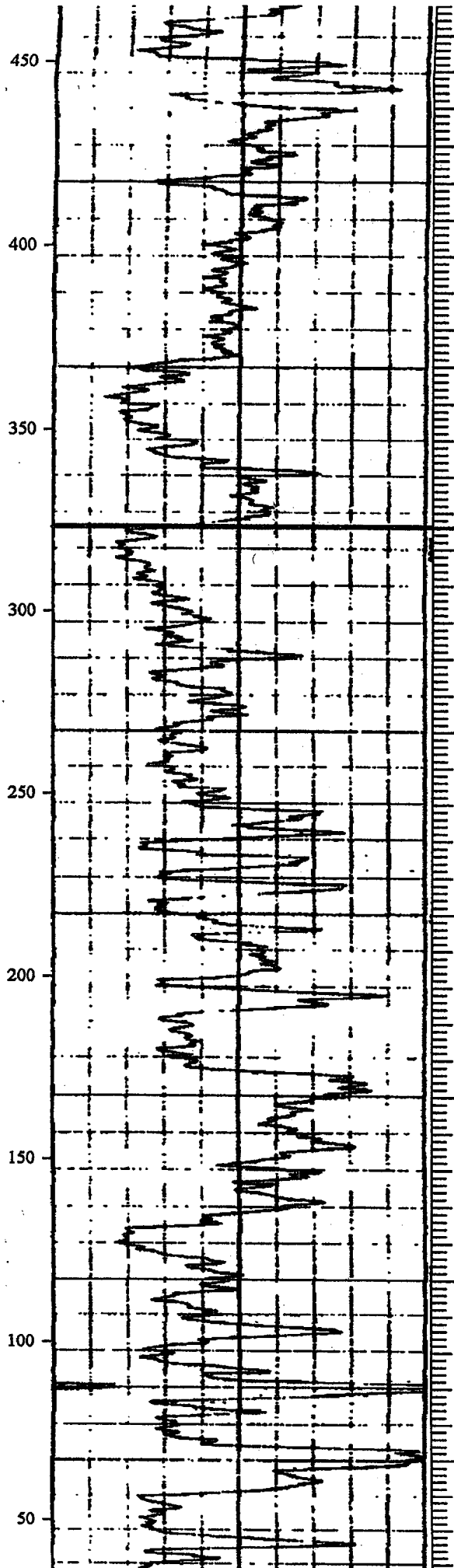
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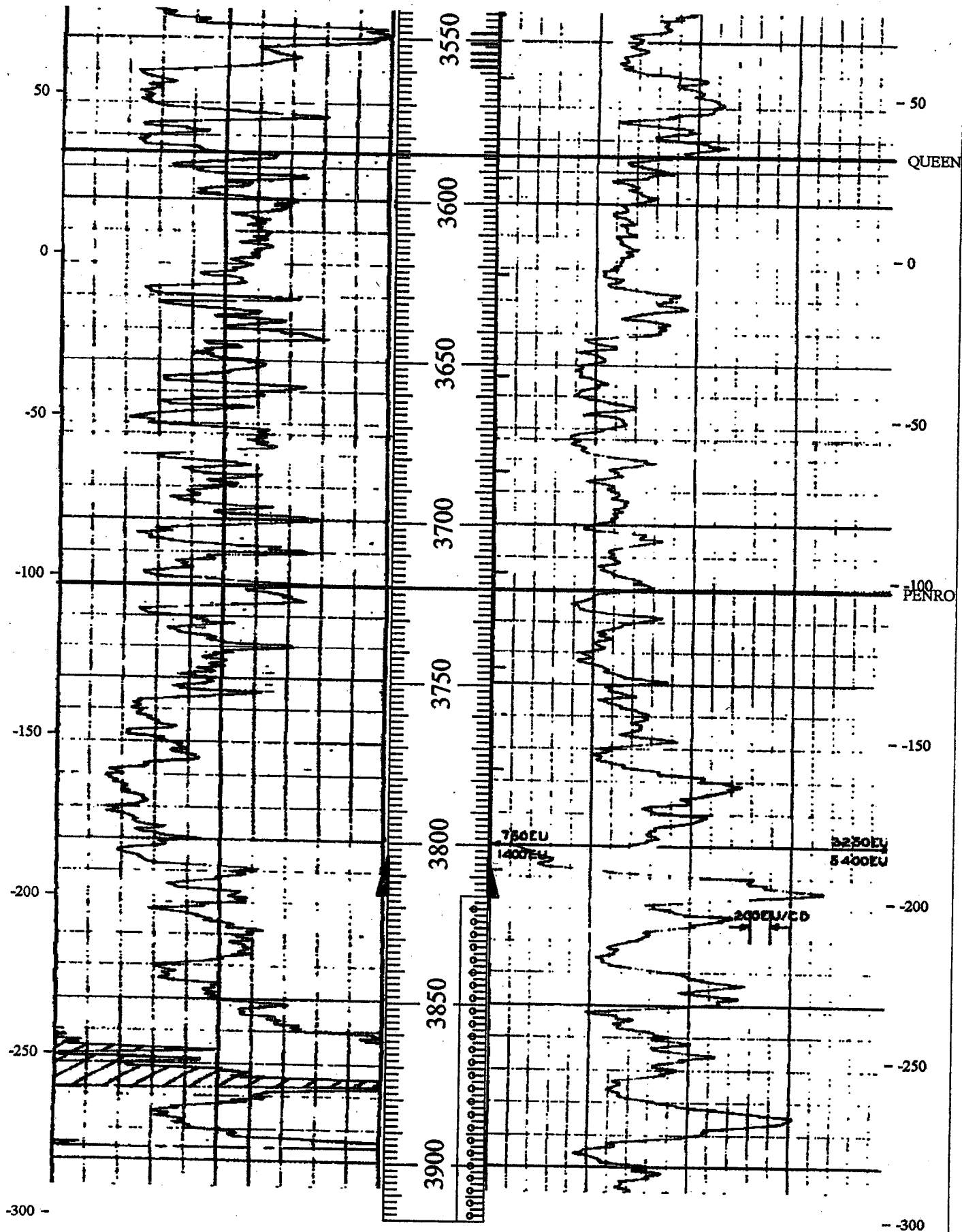
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TD : 3,918