

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
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised March 17, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-31104	² Pool Code	³ Pool Name Foster Draw: Delaware Oil
⁴ Property Code	⁵ Property Name Avalon "1" Federal	⁶ Well Number #2
⁷ OGRID No. 002678	⁸ Operator Name Bonneville Fuels Corporation	⁹ Elevation 3191 GL

¹⁰ Surface Location

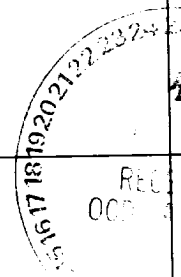
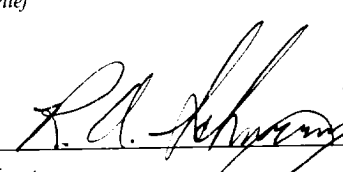
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lot 31	1	21 S.	26 E.		2686'	South	1999'	East	Eddy

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lot 34	1	21 S.	26 E.		1508'	South	1653'	East	Eddy

¹² Dedicated Acres 41.07 Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. Administrative Order: NSL-4425 (NSBHL)
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

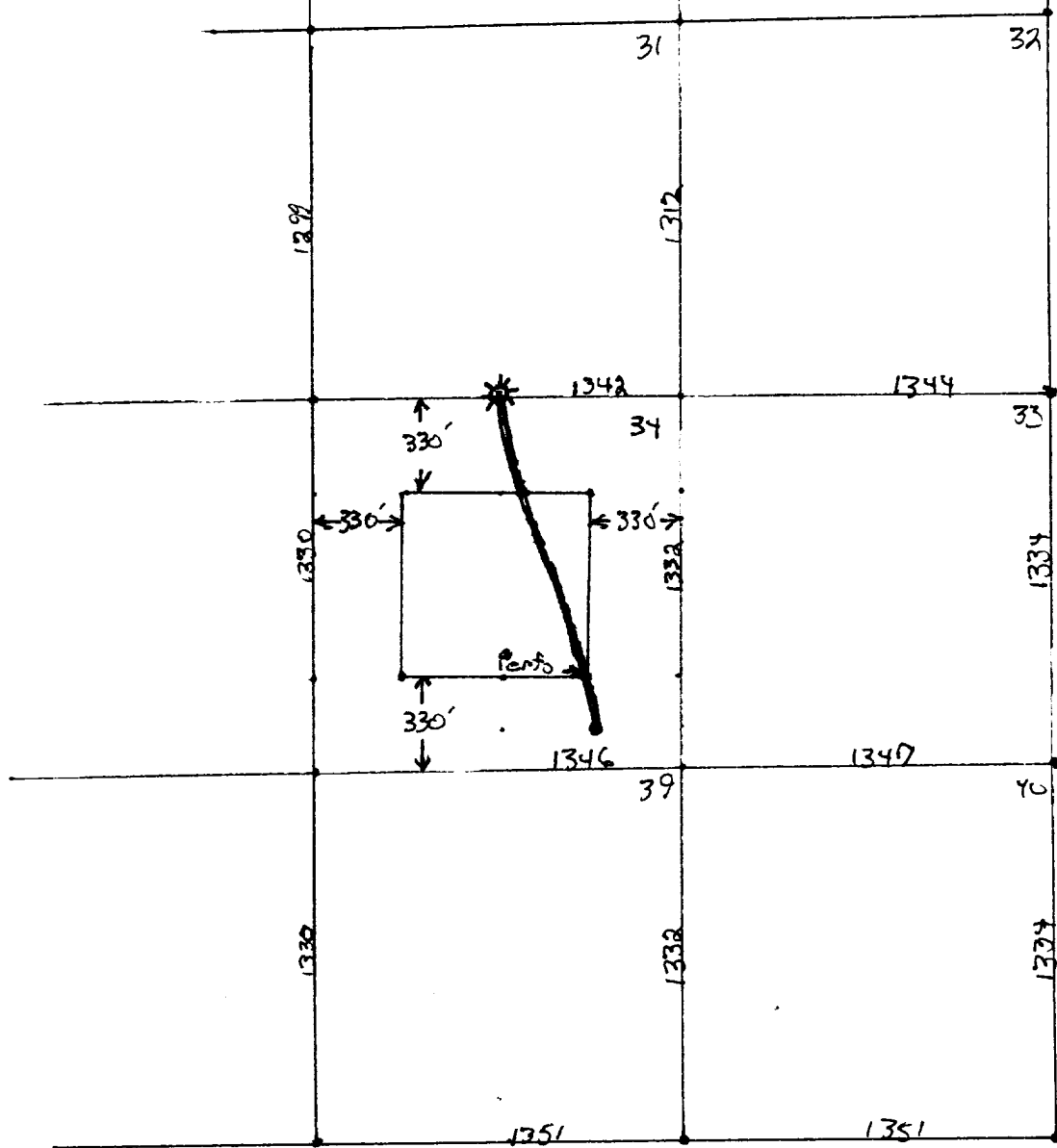
16					¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature <u>R. A. Schwering, P.E.</u> Printed Name <u>Production Manager</u> Title <u>March 21, 2002</u> Date
					¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Signature and Seal of Professional Surveyor:
		Acreage Dedication In Red Hachures	LOT 34 41.07 ac.		Certificate Number

Actual Trajectory

Wellbore

Avalon 1 Fed. #2

Orthodox Window : Enter @ 354 South of Surf. Location
Exit @ 1025.2' South of Surf. Location



	FSL	FEL
Surface Location :	2586'	1999'
Enter Lot 34 :	2662'	2000'
Enter Orthodox Window:	2332'	1912'
Top Perfs	1686.3'	1696.3'
Bottom Perfs	1684.2'	1696'
Exit Orthodox Window:	1661.5'	1690'
Bottom-Hole Location:	1508'	1653'

RA Schreyer, PE

Survey Report for Federal 1 Avalon # 2
Federal #1 Avalon #2

Surface @ 2686' FSL : 24' to Lot 34
F 1999' FEL

Lot 31 ↑
Cross Line:
Lot 34 ↓

Lot 34:
Legal @
Below

2776
Mn

2654.5
TVN

3545

87'E

367.5

Orthodox ←
Wellbore
wy 330' Setbacks

Continued...

DrillQuest 2.00.03

12 July, 2000 - 12:07

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Enter Orthodox Window @ 2776' MO @ 2332' FSL & 1912' FEL

2654.5 TWD

2182.4 MN @ 2100' 10" E 120° 15' N

Sperry-Sun Drilling Services

Survey Report for Federal 1 Avalon # 2
Federal #1 Avalon #2

Bonneville Fuels Corp.
New Mexico

Eddy County
Sec. 1-T21S-R26E

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
3148.00	45.800	159.400	2911.99	612.28 S	155.19 E	631.64	2.45
3180.00	45.900	158.800	2934.28	633.73 S	163.38 E	654.44	1.38
3212.00	45.200	158.000	2956.69	654.97 S	171.79 E	677.09	2.82
3244.00	43.800	157.800	2979.51	675.75 S	180.23 E	699.30	4.40
3275.00	41.600	157.200	3002.29	695.17 S	188.27 E	720.09	7.22
3307.00	39.400	157.500	3026.62	714.35 S	196.27 E	740.64	6.90
3339.00	38.800	158.700	3051.46	733.07 S	203.80 E	760.63	3.02
3371.00	37.800	160.800	3076.57	751.68 S	210.67 E	780.35	5.13
3402.00	35.000	159.100	3101.52	768.96 S	216.97 E	798.64	9.60
3434.00	32.500	159.700	3128.13	785.60 S	223.22 E	816.31	7.88
3466.00	32.600	159.000	3155.10	801.71 S	229.30 E	833.41	1.22
3498.00	32.100	159.400	3182.13	817.71 S	235.38 E	850.42	1.70
3529.00	32.400	157.900	3208.35	833.12 S	241.40 E	866.83	2.76
3561.00	31.800	157.600	3235.46	848.86 S	247.84 E	883.66	1.94
3593.00	31.400	157.700	3262.71	864.36 S	254.21 E	900.25	1.26
3624.00	30.300	157.600	3289.33	879.07 S	260.26 E	915.98	3.55
3656.00	29.800	159.800	3317.03	893.99 S	266.08 E	931.88	3.78
3688.00	30.000	159.600	3344.77	908.95 S	271.62 E	947.74	0.70
3719.00	30.100	159.800	3371.60	923.51 S	277.00 E	963.17	0.46
3751.00	29.600	160.800	3399.35	938.51 S	282.37 E	979.02	2.20
3783.00	30.000	161.900	3427.12	953.58 S	287.46 E	994.87	2.12
3815.00	30.100	161.000	3454.82	968.77 S	292.55 E	1010.85	1.44
3846.00	29.700	162.000	3481.70	983.42 S	297.46 E	1026.26	2.06
3878.00	29.300	164.200	3509.55	998.49 S	302.04 E	1041.99	3.61
3909.00	28.900	166.100	3536.64	1013.07 S	305.90 E	1057.06	1067.25
3941.00	27.800	165.800	3564.80	1027.81 S	309.59 E	1072.26	3.47
3973.00	27.400	167.900	3593.16	1042.24 S	312.97 E	1087.08	3.29
4003.00	27.400	167.000	3619.79	1055.72 S	315.97 E	1100.88	1.38
4035.00	27.400	167.100	3648.20	1070.07 S	319.27 E	1115.61	0.14
4067.00	27.300	166.100	3676.62	1084.37 S	322.67 E	1130.31	1.47
4099.00	27.200	166.900	3705.07	1098.62 S	326.09 E	1144.96	1.19
4131.00	27.500	166.100	3733.50	1112.91 S	329.53 E	1159.66	1.48
4162.00	27.300	165.200	3761.02	1126.73 S	333.06 E	1173.92	1.48
4194.00	27.500	166.000	3789.43	1140.99 S	336.72 E	1188.65	1.31
4226.00	27.400	165.600	3817.83	1155.29 S	340.34 E	1203.40	0.66
4276.00	27.400	165.600	3862.22	1177.58 S	346.06 E	1226.41	0.00

* Refs. →
Legal Above
LOT 34

Orthodox Well bore
3/ 330' Setbacks

Bottom Hole @ : 1508' FSL & 1653' FEL

Exit Orthodox Window @ 3936' MD @ 1661.5' FSL & 1690' FEL
3560.4' TVD

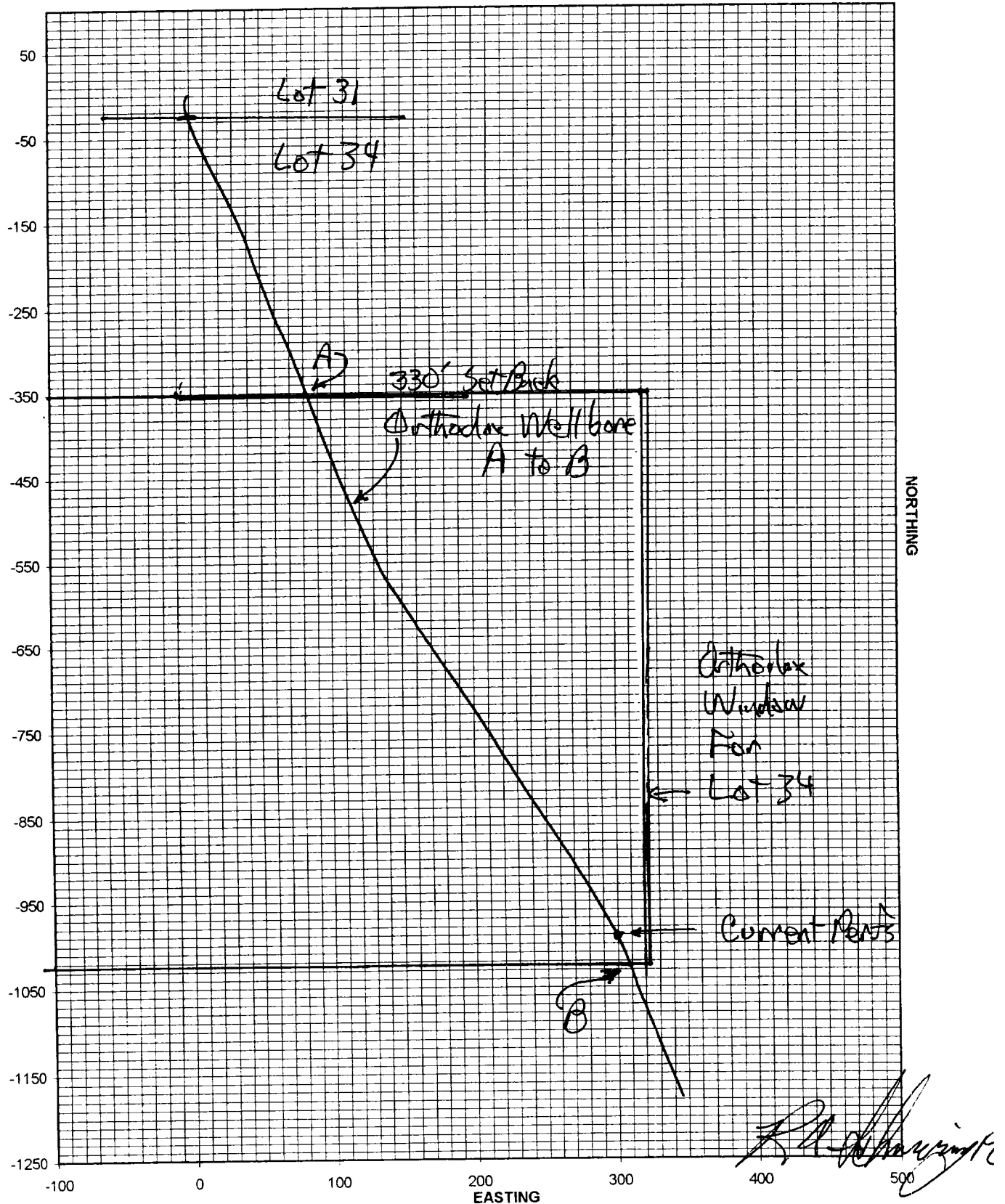
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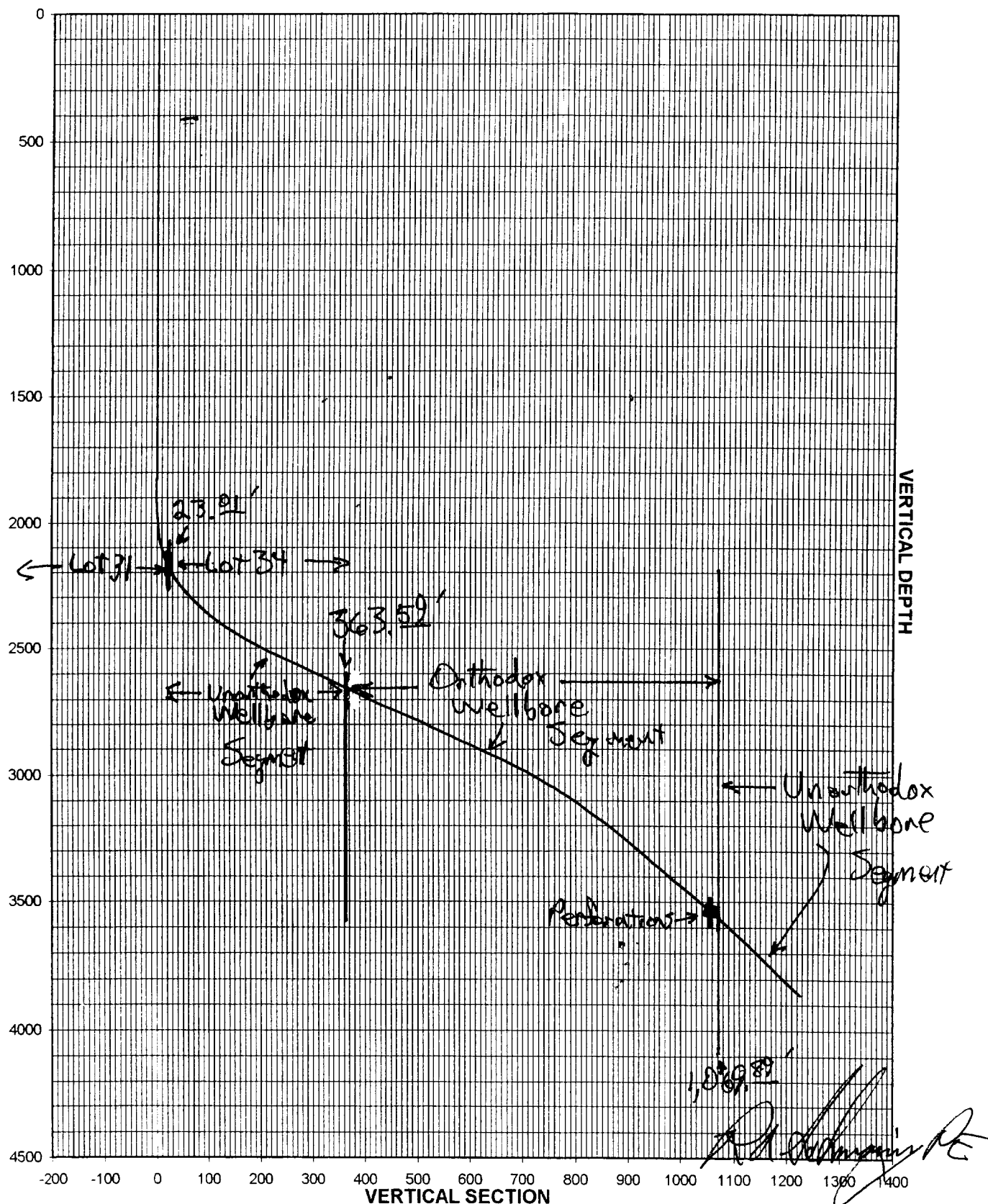
* Refs.: MO : 3883'-3886'
TVD : 3513'-3516'

Avalon 1 Fed. #2: Well Plan View



Restorations Within Orthodox Window

Avalon 1 Fed. #2: Vertical Section



Perforations Within Orthodox Window