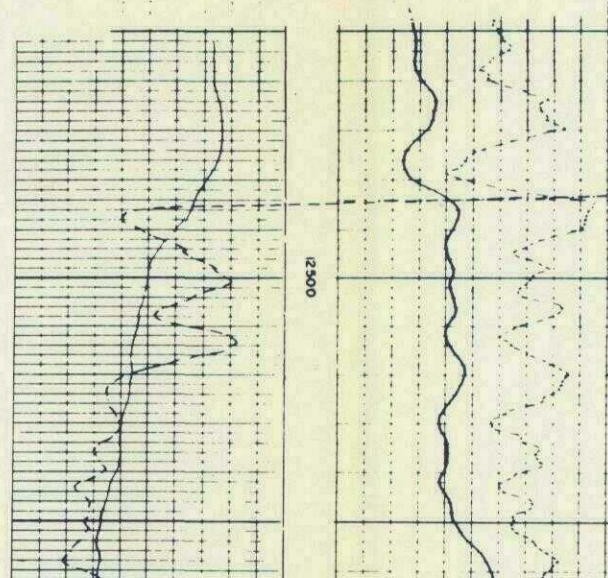


EAST

PROPOSED LOCATION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Registered By<br><b>West Texas Electrical Log Service</b><br>105 Commercial - 1966<br>Dallas 1, Texas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| REFERENCE NO. <b>338</b> D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DATE <b>11-1-66</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| NAME <b>WELLS, JOHN R</b><br>ADDRESS <b>10000 FM 1900</b><br>CITY <b>WELLS</b><br>COUNTY <b>WELLS</b><br>STATE <b>TX</b><br>ZIP <b>79088</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | COMPANY <b>AMERICAN PETROLEUM CO.</b><br>WELL <b>JOHN R. WELLS FL</b><br>FIELD <b>MUSKIE</b><br>LOCATION <b>NE 1/4 Sec 10</b><br>COUNTY <b>WELLS</b><br>STATE <b>TX</b><br>PLUG NO <b>NA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| REASON FOR <b>277</b><br>1 <b>W</b><br>2 <b>W</b><br>3 <b>W</b><br>4 <b>W</b><br>5 <b>W</b><br>6 <b>W</b><br>7 <b>W</b><br>8 <b>W</b><br>9 <b>W</b><br>10 <b>W</b><br>11 <b>W</b><br>12 <b>W</b><br>13 <b>W</b><br>14 <b>W</b><br>15 <b>W</b><br>16 <b>W</b><br>17 <b>W</b><br>18 <b>W</b><br>19 <b>W</b><br>20 <b>W</b><br>21 <b>W</b><br>22 <b>W</b><br>23 <b>W</b><br>24 <b>W</b><br>25 <b>W</b><br>26 <b>W</b><br>27 <b>W</b><br>28 <b>W</b><br>29 <b>W</b><br>30 <b>W</b><br>31 <b>W</b><br>32 <b>W</b><br>33 <b>W</b><br>34 <b>W</b><br>35 <b>W</b><br>36 <b>W</b><br>37 <b>W</b><br>38 <b>W</b><br>39 <b>W</b><br>40 <b>W</b><br>41 <b>W</b><br>42 <b>W</b><br>43 <b>W</b><br>44 <b>W</b><br>45 <b>W</b><br>46 <b>W</b><br>47 <b>W</b><br>48 <b>W</b><br>49 <b>W</b><br>50 <b>W</b><br>51 <b>W</b><br>52 <b>W</b><br>53 <b>W</b><br>54 <b>W</b><br>55 <b>W</b><br>56 <b>W</b><br>57 <b>W</b><br>58 <b>W</b><br>59 <b>W</b><br>60 <b>W</b><br>61 <b>W</b><br>62 <b>W</b><br>63 <b>W</b><br>64 <b>W</b><br>65 <b>W</b><br>66 <b>W</b><br>67 <b>W</b><br>68 <b>W</b><br>69 <b>W</b><br>70 <b>W</b><br>71 <b>W</b><br>72 <b>W</b><br>73 <b>W</b><br>74 <b>W</b><br>75 <b>W</b><br>76 <b>W</b><br>77 <b>W</b><br>78 <b>W</b><br>79 <b>W</b><br>80 <b>W</b><br>81 <b>W</b><br>82 <b>W</b><br>83 <b>W</b><br>84 <b>W</b><br>85 <b>W</b><br>86 <b>W</b><br>87 <b>W</b><br>88 <b>W</b><br>89 <b>W</b><br>90 <b>W</b><br>91 <b>W</b><br>92 <b>W</b><br>93 <b>W</b><br>94 <b>W</b><br>95 <b>W</b><br>96 <b>W</b><br>97 <b>W</b><br>98 <b>W</b><br>99 <b>W</b><br>100 <b>W</b> | REASON FOR <b>277</b><br>1 <b>W</b><br>2 <b>W</b><br>3 <b>W</b><br>4 <b>W</b><br>5 <b>W</b><br>6 <b>W</b><br>7 <b>W</b><br>8 <b>W</b><br>9 <b>W</b><br>10 <b>W</b><br>11 <b>W</b><br>12 <b>W</b><br>13 <b>W</b><br>14 <b>W</b><br>15 <b>W</b><br>16 <b>W</b><br>17 <b>W</b><br>18 <b>W</b><br>19 <b>W</b><br>20 <b>W</b><br>21 <b>W</b><br>22 <b>W</b><br>23 <b>W</b><br>24 <b>W</b><br>25 <b>W</b><br>26 <b>W</b><br>27 <b>W</b><br>28 <b>W</b><br>29 <b>W</b><br>30 <b>W</b><br>31 <b>W</b><br>32 <b>W</b><br>33 <b>W</b><br>34 <b>W</b><br>35 <b>W</b><br>36 <b>W</b><br>37 <b>W</b><br>38 <b>W</b><br>39 <b>W</b><br>40 <b>W</b><br>41 <b>W</b><br>42 <b>W</b><br>43 <b>W</b><br>44 <b>W</b><br>45 <b>W</b><br>46 <b>W</b><br>47 <b>W</b><br>48 <b>W</b><br>49 <b>W</b><br>50 <b>W</b><br>51 <b>W</b><br>52 <b>W</b><br>53 <b>W</b><br>54 <b>W</b><br>55 <b>W</b><br>56 <b>W</b><br>57 <b>W</b><br>58 <b>W</b><br>59 <b>W</b><br>60 <b>W</b><br>61 <b>W</b><br>62 <b>W</b><br>63 <b>W</b><br>64 <b>W</b><br>65 <b>W</b><br>66 <b>W</b><br>67 <b>W</b><br>68 <b>W</b><br>69 <b>W</b><br>70 <b>W</b><br>71 <b>W</b><br>72 <b>W</b><br>73 <b>W</b><br>74 <b>W</b><br>75 <b>W</b><br>76 <b>W</b><br>77 <b>W</b><br>78 <b>W</b><br>79 <b>W</b><br>80 <b>W</b><br>81 <b>W</b><br>82 <b>W</b><br>83 <b>W</b><br>84 <b>W</b><br>85 <b>W</b><br>86 <b>W</b><br>87 <b>W</b><br>88 <b>W</b><br>89 <b>W</b><br>90 <b>W</b><br>91 <b>W</b><br>92 <b>W</b><br>93 <b>W</b><br>94 <b>W</b><br>95 <b>W</b><br>96 <b>W</b><br>97 <b>W</b><br>98 <b>W</b><br>99 <b>W</b><br>100 <b>W</b> |



Amerada No. 1 Rose Eaves  
Location (N) Section 35-16S-38E  
DST #1 6497-6525' Packer Failure  
DST #2 9130-9214' Packer Failure  
DST #3 9099-9214' Packer Failure  
No other DST  
TD 12,575' Set 7" csg 12,574"  
Perf 12532-573' Ac w/500 gals  
Comp. 11-15-49 IPF 883 BOPD

Produced 459,000 Bbls. P&A 3-3-70

### Workovers

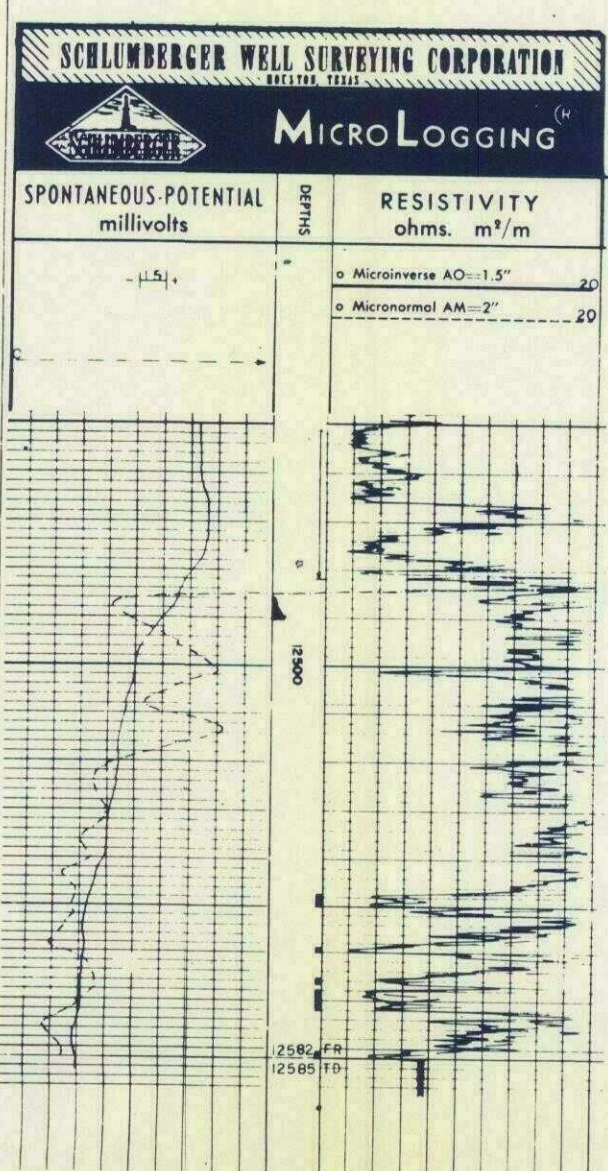
W.O. 7-3-51 Ac. w/1000 gals.  
After workover tested  
135 BOPD + 63 BWPD

W.O. March 1960 Squeezed perfs  
12532-573. Perf. 12504-  
12518' & Acidized w/1000  
gals.

W.O. 10-4-67 Perf 12418-450'  
and acidized w/2000 gals.

W.O. 12-22-67 Perf. 12354-12403'  
and put w/perfs 12504-12518'

W.O. 3-3-70 Pulled 4992' of 7 5/8" casing and 396' of 10 3/4" csg. P&A 3-3-70



Scale: 2

|          |                           |
|----------|---------------------------|
| COMPANY: | AMERAGA PETROLEUM COMPANY |
| WELL:    | Z. L. COOPER NO. 1        |
| FIELD:   | KNOWLES                   |

Amerada No. 1 Cooper Location (D)  
Section 2-17S-38E

Section 34-103-30E

DST #1 12501-65' Rec.  
90" oil & 30' DM. FIM"  
SIP 3952#

DST #2 OTS 105" Flowed 165 in  
4 hours (12458-12565')

Comp. 10-12-52 in Open Hole  
12440-12,565'. IPF 1320  
BOPD

Produced 1,241,000 Bbls oil  
before being converted to  
Disposal Well in San Andres.

### Workovers

W.O. 12-29-65 Pulled Kobe Pump  
and acidized OH 12440-565  
w/10,000 gals acid.

W.O. 10-2-67 Perf 5 1/2" casing  
12316-12426' w/36 shots  
Set BP# 12432' Ac. w/  
2200 gals. Produced  
1,052,000 bbls from Oper  
Hole interval prior to  
workover.

W.O. 3-22-73 Squeezed perfs  
12316-426. Perf 12327-  
12393' & acidized w/  
5500 gals.

W.O. 9-18-75 Set BP @ 6460'  
Perf 6300-6400', acidized  
and made water disposal  
well.

DST #1 6252-6285' (Lower San  
Andres) Rec. 5475' Su.  
Water.

DST #2 12598-12620' Rec. 5187'  
free oil, no water. I  
15" SIP 2410# IF 1800#  
FF 3325# F 15" SIP 4325#

Drilled to 12620' Set  
5 1/2" csg @ 12598'. Top of  
Cement Outside 5 1/2" csg  
@ 8664' and inside  
casing @ 12491'. Drilled

On 10-12-50 Acidized w/  
500 gals. and tested-  
swabbed 100% SuW 10-16-  
50 P&A.

Amerada No. 2 Cooper Location (C)  
Section 2- 175-38E

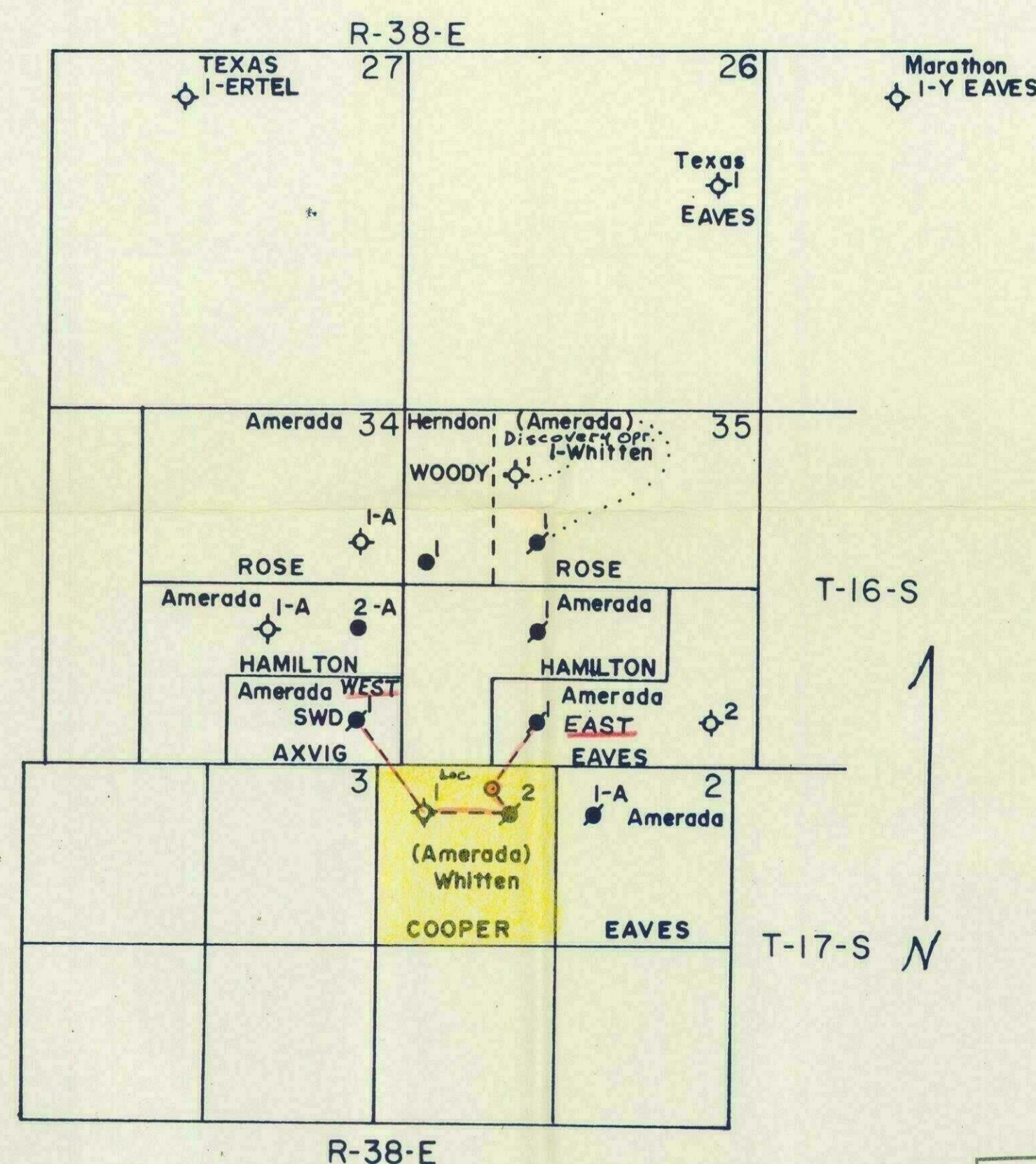
No cores or DST  
TD 12585' Produced Open Hole  
12490-12585' Comp. 6-12-51.

Produced 304,000 bbls oil before  
being plugged 7-12-71.

Workovers  
W.O. 7-12-71 Spotted 40 sxs cmt.  
12490-12370'. Cut

Pulled 4734' of 5 1/2" csg. and 730' of 8 5/8" casing (4800'

of 8 5/8" csg was  
set w/1500 sx's while  
drilling)  
P&A 7-12-71



KNOWLES POOL PROSPECT  
LEA CO. N.M.  
W-E CROSS SECTION  
VERTICAL SCALE: 1" = 100'  
HORIZ. SCALE: NONE  
DATUM: SEA LEVEL  
J. WHITTEN

BEFORE EXAMINER STAMETS  
OIL CONSERVATION DIVISION  
EXHIBIT NO. 4  
CASE NO. 7743  
Submitted by Whitten  
Hearing Date 11-23-82