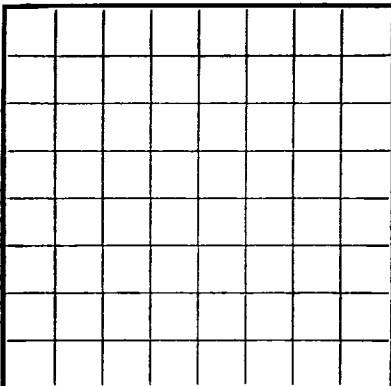


U. S. LAND OFFICE Jicarilla
SERIAL NUMBER COV #102
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Honolulu Oil Corporation Address Midland, Texas
Lessor or Tract Jicarilla Field Unnamed State New Mexico
Well No. 1 Sec. 10 T. 26N R. 4W Meridian 10 County Lea
Location 920 ft. [N.] of S. Line and 16 ft. [E.] of W. Line of section 10 Elevation 6838 ft (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Tom R. CarterDate September 4, 1955Title Geologist

The summary on this page is for the condition of the well at above date.

Commenced drilling June 22, 1955 Finished drilling July 8, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 0 to 320 No. 4, from 0 to 0
No. 2, from 0 to 0 No. 5, from 0 to 0
No. 3, from 0 to 0 No. 6, from 0 to 0

IMPORTANT WATER SANDS

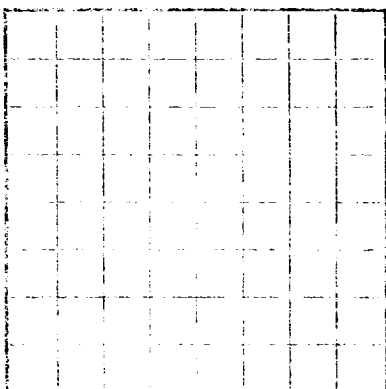
No. 1, from 000 to 1100 No. 3, from 000 to 2170
No. 2, from 1400 to 1870 No. 4, from 0 to 0

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>5/8</u>	<u>24</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Surface</u>
<u>1 1/2</u>	<u>35</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>2 1/2</u>	<u>55</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>3 1/2</u>	<u>75</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>4 1/2</u>	<u>95</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>5 1/2</u>	<u>115</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>6 1/2</u>	<u>135</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>7 1/2</u>	<u>155</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>8 1/2</u>	<u>175</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>9 1/2</u>	<u>195</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>10 1/2</u>	<u>215</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>11 1/2</u>	<u>235</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>12 1/2</u>	<u>255</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>13 1/2</u>	<u>275</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>14 1/2</u>	<u>295</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>15 1/2</u>	<u>315</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>16 1/2</u>	<u>335</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>17 1/2</u>	<u>355</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>18 1/2</u>	<u>375</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>19 1/2</u>	<u>395</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>20 1/2</u>	<u>415</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>21 1/2</u>	<u>435</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>22 1/2</u>	<u>455</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>23 1/2</u>	<u>475</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>24 1/2</u>	<u>495</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>25 1/2</u>	<u>515</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>26 1/2</u>	<u>535</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>27 1/2</u>	<u>555</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>28 1/2</u>	<u>575</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>29 1/2</u>	<u>595</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>30 1/2</u>	<u>615</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>31 1/2</u>	<u>635</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>32 1/2</u>	<u>655</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>33 1/2</u>	<u>675</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>34 1/2</u>	<u>695</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>35 1/2</u>	<u>715</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>36 1/2</u>	<u>735</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>37 1/2</u>	<u>755</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>38 1/2</u>	<u>775</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>39 1/2</u>	<u>795</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>40 1/2</u>	<u>815</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>41 1/2</u>	<u>835</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>42 1/2</u>	<u>855</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>43 1/2</u>	<u>875</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>44 1/2</u>	<u>895</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>45 1/2</u>	<u>915</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>46 1/2</u>	<u>935</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>47 1/2</u>	<u>955</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>48 1/2</u>	<u>975</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>49 1/2</u>	<u>995</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>50 1/2</u>	<u>1015</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>51 1/2</u>	<u>1035</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>52 1/2</u>	<u>1055</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>53 1/2</u>	<u>1075</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>54 1/2</u>	<u>1095</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>55 1/2</u>	<u>1115</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>56 1/2</u>	<u>1135</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>57 1/2</u>	<u>1155</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>58 1/2</u>	<u>1175</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>59 1/2</u>	<u>1195</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>60 1/2</u>	<u>1215</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>61 1/2</u>	<u>1235</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>62 1/2</u>	<u>1255</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>63 1/2</u>	<u>1275</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>64 1/2</u>	<u>1295</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>65 1/2</u>	<u>1315</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>66 1/2</u>	<u>1335</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>67 1/2</u>	<u>1355</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>68 1/2</u>	<u>1375</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>69 1/2</u>	<u>1395</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>70 1/2</u>	<u>1415</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>71 1/2</u>	<u>1435</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>72 1/2</u>	<u>1455</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>73 1/2</u>	<u>1475</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>74 1/2</u>	<u>1495</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>75 1/2</u>	<u>1515</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>76 1/2</u>	<u>1535</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>77 1/2</u>	<u>1555</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>78 1/2</u>	<u>1575</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>79 1/2</u>	<u>1595</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>80 1/2</u>	<u>1615</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>81 1/2</u>	<u>1635</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>82 1/2</u>	<u>1655</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>83 1/2</u>	<u>1675</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>84 1/2</u>	<u>1695</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>85 1/2</u>	<u>1715</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>86 1/2</u>	<u>1735</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>87 1/2</u>	<u>1755</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>88 1/2</u>	<u>1775</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>89 1/2</u>	<u>1795</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>90 1/2</u>	<u>1815</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>91 1/2</u>	<u>1835</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>92 1/2</u>	<u>1855</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>93 1/2</u>	<u>1875</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>94 1/2</u>	<u>1895</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>95 1/2</u>	<u>1915</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>96 1/2</u>	<u>1935</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>97 1/2</u>	<u>1955</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>98 1/2</u>	<u>1975</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>99 1/2</u>	<u>1995</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>100 1/2</u>	<u>2015</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>101 1/2</u>	<u>2035</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>102 1/2</u>	<u>2055</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>103 1/2</u>	<u>2075</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>104 1/2</u>	<u>2095</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>105 1/2</u>	<u>2115</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>106 1/2</u>	<u>2135</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>107 1/2</u>	<u>2155</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u>Production</u>
<u>108 1/2</u>	<u>2175</u>	<u>8</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			<u></u>

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



Company _____
Address _____
Field _____
Location _____
The information given herewith is a complete and correct record of the well and all work done thereon
to be as can be determined from all available records
Signed _____
Date _____

The summary on this page is for the condition of the well at above date
Producing pressure 1400
Breakdown pressure 1400
Injection rate 18.7 BHP
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No. 91 from _____
No. 92 from _____
No. 93 from _____
No. 94 from _____
No. 95 from _____
No. 96 from _____
No. 97 from _____
No. 98 from _____
No. 99 from _____
No. 100 from _____

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "altered" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL			
10-43064-2 U. S. GOVERNMENT PRINTING OFFICE			
Casing Record			
Core #1 3525-48 Recovered 71 Sandstone			
Core #2 3548-79 Recovered 301 Sandstone			
Core #3 3579-89 Recovered 91 Sandstone and 11 shale			
Sand-oil frac-3526-3599			
17,980 gal. oil at 15,650 # sand overflushed with 6,460 gal. oil			
Injection rate 18.7 BHP			
Breakdown pressure 1400			
Producing pressure 1400			
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Date _____			
Signed _____			
The information given herewith is a complete and correct record of the well and all work done thereon to be as can be determined from all available records			
Location _____			
Field _____			
Address _____			
Company _____			

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
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