

U. S. LAND OFFICE **Jicarilla Apache**
SERIAL NUMBER **Contract No. 38**LEASE OR PERMIT TO PROSPECT
Sections 31 & 32, T-24-N, R-5-W.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Humble Oil & Refining Company** Address **Box 1268, Farmington, New Mexico**
Lessor or Tract **Jicarilla Apache Tribe of Indians and Jicarilla W C** State **New Mexico**
Well No. **H-1** Sec. **5** T. **23N** R. **5W** Meridian **-** County **Rio Arriba**
Location **1980'** ft. **XXX** of **N** Line and **990** ft. **XXX** of **E** Line of **Section 5** Elevation **6595'**
(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

COPY ORIGINAL
SIGNED: **R. M. LILLY**Date **November 1, 1955**Title **District Superintendent**

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

Commenced drilling **October 9,** 19 **55** Finished drilling **October, 20,** 19 **55**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **G 2052'** to **2086'** No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
8 5/8	24#	AR	CP&I	303'	Baker			
5 1/2	14#	AR	Ingstrom	2141'	Baker		2052	2086
								water & shut-off
								Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	315'	275	Pumped	9.6	
5 1/2	2152'	250	Pumped	9.4	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
4"	Schlumberger	Bullet	204	10/17/55	2052-2086	

TOOLS USED

Rotary tools were used from **Surface** feet to **2152** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 1, 1955 **Gas well shut in**
Put to producing **no pipe line conn.**, 19 _____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours **3,600,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **760** Shut-in Surface Pressure

EMPLOYEES

R. H. Young, Driller **John Brown**, Driller
A. F. Sample, Driller **J. W. Spraberry**, Driller

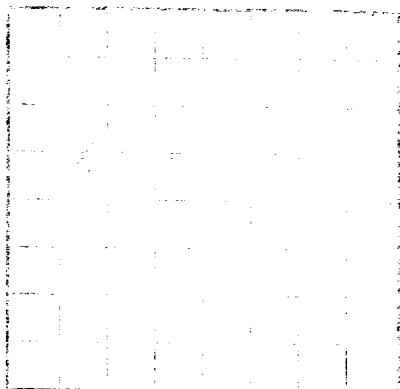
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	321	321	Sand
321	1161	840	Sand & Shale
1161	1321	160	Sandy Shale
1321	2035	714	Sand & Shale
2035	2152 TD	117	Sand

Section 31 & 32, T-24-N, R-1-E
In the Township of Pleasant
County, New Mexico
Humble Oil & Refining Company
Box 1206, Farmington, New Mexico

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company, Humble Oil & Refining Company, Address Box 1206, Farmington, New Mexico
Lessor or Trust, Humble Oil & Refining Company, Address Box 1206, Farmington, New Mexico

Well No. H-1, Sec. 2, T. 24N, R. 1E, Section 31 & 32, Township of Pleasant, County of Lincoln, State of New Mexico

Location, 1/2 mile N. of line and 1/2 mile E. of line of Section 31 & 32, Township of Pleasant, County of Lincoln, State of New Mexico

The information given herein 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, November 1, 1922, Title, District Superintendent

The summary on this page is for the condition of the well at above date. Commenced drilling, October 2, 1922, Finished drilling, October 20, 1922.

OIL OR GAS SANDS OR ZONES

(Based on log)

No. 1 from 0 to 2000 ft. No. 2 from 2000 to 2500 ft. No. 3 from 2500 to 3000 ft. No. 4 from 3000 to 3500 ft. No. 5 from 3500 to 4000 ft. No. 6 from 4000 to 4500 ft. No. 7 from 4500 to 5000 ft. No. 8 from 5000 to 5500 ft. No. 9 from 5500 to 6000 ft. No. 10 from 6000 to 6500 ft. No. 11 from 6500 to 7000 ft. No. 12 from 7000 to 7500 ft. No. 13 from 7500 to 8000 ft. No. 14 from 8000 to 8500 ft. No. 15 from 8500 to 9000 ft. No. 16 from 9000 to 9500 ft. No. 17 from 9500 to 10000 ft. No. 18 from 10000 to 10500 ft. No. 19 from 10500 to 11000 ft. No. 20 from 11000 to 11500 ft. No. 21 from 11500 to 12000 ft. No. 22 from 12000 to 12500 ft. No. 23 from 12500 to 13000 ft. No. 24 from 13000 to 13500 ft. No. 25 from 13500 to 14000 ft. No. 26 from 14000 to 14500 ft. No. 27 from 14500 to 15000 ft. No. 28 from 15000 to 15500 ft. No. 29 from 15500 to 16000 ft. No. 30 from 16000 to 16500 ft. No. 31 from 16500 to 17000 ft. No. 32 from 17000 to 17500 ft. No. 33 from 17500 to 18000 ft. No. 34 from 18000 to 18500 ft. No. 35 from 18500 to 19000 ft. No. 36 from 19000 to 19500 ft. No. 37 from 19500 to 20000 ft. No. 38 from 20000 to 20500 ft. No. 39 from 20500 to 21000 ft. No. 40 from 21000 to 21500 ft. No. 41 from 21500 to 22000 ft. No. 42 from 22000 to 22500 ft. No. 43 from 22500 to 23000 ft. No. 44 from 23000 to 23500 ft. No. 45 from 23500 to 24000 ft. No. 46 from 24000 to 24500 ft. No. 47 from 24500 to 25000 ft. No. 48 from 25000 to 25500 ft. No. 49 from 25500 to 26000 ft. No. 50 from 26000 to 26500 ft. No. 51 from 26500 to 27000 ft. No. 52 from 27000 to 27500 ft. No. 53 from 27500 to 28000 ft. No. 54 from 28000 to 28500 ft. No. 55 from 28500 to 29000 ft. No. 56 from 29000 to 29500 ft. No. 57 from 29500 to 30000 ft. No. 58 from 30000 to 30500 ft. No. 59 from 30500 to 31000 ft. No. 60 from 31000 to 31500 ft. No. 61 from 31500 to 32000 ft. No. 62 from 32000 to 32500 ft. No. 63 from 32500 to 33000 ft. No. 64 from 33000 to 33500 ft. No. 65 from 33500 to 34000 ft. No. 66 from 34000 to 34500 ft. No. 67 from 34500 to 35000 ft. No. 68 from 35000 to 35500 ft. No. 69 from 35500 to 36000 ft. No. 70 from 36000 to 36500 ft. No. 71 from 36500 to 37000 ft. No. 72 from 37000 to 37500 ft. No. 73 from 37500 to 38000 ft. No. 74 from 38000 to 38500 ft. No. 75 from 38500 to 39000 ft. No. 76 from 39000 to 39500 ft. No. 77 from 39500 to 40000 ft. No. 78 from 40000 to 40500 ft. No. 79 from 40500 to 41000 ft. No. 80 from 41000 to 41500 ft. No. 81 from 41500 to 42000 ft. No. 82 from 42000 to 42500 ft. No. 83 from 42500 to 43000 ft. No. 84 from 43000 to 43500 ft. No. 85 from 43500 to 44000 ft. No. 86 from 44000 to 44500 ft. No. 87 from 44500 to 45000 ft. No. 88 from 45000 to 45500 ft. No. 89 from 45500 to 46000 ft. No. 90 from 46000 to 46500 ft. No. 91 from 46500 to 47000 ft. No. 92 from 47000 to 47500 ft. No. 93 from 47500 to 48000 ft. No. 94 from 48000 to 48500 ft. No. 95 from 48500 to 49000 ft. No. 96 from 49000 to 49500 ft. No. 97 from 49500 to 50000 ft. No. 98 from 50000 to 50500 ft. No. 99 from 50500 to 51000 ft. No. 100 from 51000 to 51500 ft. No. 101 from 51500 to 52000 ft. No. 102 from 52000 to 52500 ft. No. 103 from 52500 to 53000 ft. No. 104 from 53000 to 53500 ft. No. 105 from 53500 to 54000 ft. No. 106 from 54000 to 54500 ft. No. 107 from 54500 to 55000 ft. No. 108 from 55000 to 55500 ft. No. 109 from 55500 to 56000 ft. No. 110 from 56000 to 56500 ft. No. 111 from 56500 to 57000 ft. No. 112 from 57000 to 57500 ft. No. 113 from 57500 to 58000 ft. No. 114 from 58000 to 58500 ft. No. 115 from 58500 to 59000 ft. No. 116 from 59000 to 59500 ft. No. 117 from 59500 to 60000 ft. No. 118 from 60000 to 60500 ft. No. 119 from 60500 to 61000 ft. No. 120 from 61000 to 61500 ft. No. 121 from 61500 to 62000 ft. No. 122 from 62000 to 62500 ft. No. 123 from 62500 to 63000 ft. No. 124 from 63000 to 63500 ft. No. 125 from 63500 to 64000 ft. No. 126 from 64000 to 64500 ft. No. 127 from 64500 to 65000 ft. No. 128 from 65000 to 65500 ft. No. 129 from 65500 to 66000 ft. No. 130 from 66000 to 66500 ft. No. 131 from 66500 to 67000 ft. No. 132 from 67000 to 67500 ft. No. 133 from 67500 to 68000 ft. No. 134 from 68000 to 68500 ft. No. 135 from 68500 to 69000 ft. No. 136 from 69000 to 69500 ft. No. 137 from 69500 to 70000 ft. No. 138 from 70000 to 70500 ft. No. 139 from 70500 to 71000 ft. No. 140 from 71000 to 71500 ft. No. 141 from 71500 to 72000 ft. No. 142 from 72000 to 72500 ft. No. 143 from 72500 to 73000 ft. No. 144 from 73000 to 73500 ft. No. 145 from 73500 to 74000 ft. No. 146 from 74000 to 74500 ft. No. 147 from 74500 to 75000 ft. No. 148 from 75000 to 75500 ft. No. 149 from 75500 to 76000 ft. No. 150 from 76000 to 76500 ft. No. 151 from 76500 to 77000 ft. No. 152 from 77000 to 77500 ft. No. 153 from 77500 to 78000 ft. No. 154 from 78000 to 78500 ft. No. 155 from 78500 to 79000 ft. No. 156 from 79000 to 79500 ft. No. 157 from 79500 to 80000 ft. No. 158 from 80000 to 80500 ft. No. 159 from 80500 to 81000 ft. No. 160 from 81000 to 81500 ft. No. 161 from 81500 to 82000 ft. No. 162 from 82000 to 82500 ft. No. 163 from 82500 to 83000 ft. No. 164 from 83000 to 83500 ft. No. 165 from 83500 to 84000 ft. No. 166 from 84000 to 84500 ft. No. 167 from 84500 to 85000 ft. No. 168 from 85000 to 85500 ft. No. 169 from 85500 to 86000 ft. No. 170 from 86000 to 86500 ft. No. 171 from 86500 to 87000 ft. No. 172 from 87000 to 87500 ft. No. 173 from 87500 to 88000 ft. No. 174 from 88000 to 88500 ft. No. 175 from 88500 to 89000 ft. No. 176 from 89000 to 89500 ft. No. 177 from 89500 to 90000 ft. No. 178 from 90000 to 90500 ft. No. 179 from 90500 to 91000 ft. No. 180 from 91000 to 91500 ft. No. 181 from 91500 to 92000 ft. No. 182 from 92000 to 92500 ft. No. 183 from 92500 to 93000 ft. No. 184 from 93000 to 93500 ft. No. 185 from 93500 to 94000 ft. No. 186 from 94000 to 94500 ft. No. 187 from 94500 to 95000 ft. No. 188 from 95000 to 95500 ft. No. 189 from 95500 to 96000 ft. No. 190 from 96000 to 96500 ft. No. 191 from 96500 to 97000 ft. No. 192 from 97000 to 97500 ft. No. 193 from 97500 to 98000 ft. No. 194 from 98000 to 98500 ft. No. 195 from 98500 to 99000 ft. No. 196 from 99000 to 99500 ft. No. 197 from 99500 to 100000 ft. No. 198 from 100000 to 100500 ft. No. 199 from 100500 to 101000 ft. No. 200 from 101000 to 101500 ft. No. 201 from 101500 to 102000 ft. No. 202 from 102000 to 102500 ft. No. 203 from 102500 to 103000 ft. No. 204 from 103000 to 103500 ft. No. 205 from 103500 to 104000 ft. No. 206 from 104000 to 104500 ft. No. 207 from 104500 to 105000 ft. No. 208 from 105000 to 105500 ft. No. 209 from 105500 to 106000 ft. No. 210 from 106000 to 106500 ft. No. 211 from 106500 to 107000 ft. No. 212 from 107000 to 107500 ft. No. 213 from 107500 to 108000 ft. No. 214 from 108000 to 108500 ft. No. 215 from 108500 to 109000 ft. No. 216 from 109000 to 109500 ft. No. 217 from 109500 to 110000 ft. No. 218 from 110000 to 110500 ft. No. 219 from 110500 to 111000 ft. 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No. 394 from 198000 to 198500 ft. No. 395 from 198500 to 199000 ft. No. 396 from 199000 to 199500 ft. No. 397 from 199500 to 200000 ft. No. 398 from 200000 to 200500 ft. No. 399 from 200500 to 201000 ft. No. 400 from 201000 to 201500 ft. No. 401 from 201500 to 202000 ft. No. 402 from 202000 to 202500 ft. No. 403 from 202500 to 203000 ft. No. 404 from 203000 to 203500 ft. No. 405 from 203500 to 204000 ft. No. 406 from 204000 to 204500 ft. No. 407 from 204500 to 205000 ft. No. 408 from 205000 to 205500 ft. No. 409 from 205500 to 206000 ft. No. 410 from 206000 to 206500 ft. No. 411 from 206500 to 207000 ft. No. 412 from 207000 to 207500 ft. No. 413 from 207500 to 208000 ft. No. 414 from 208000 to 208500 ft. No. 415 from 208500 to 209000 ft. No. 416 from 209000 to 209500 ft. No. 417 from 209500 to 210000 ft. No. 418 from 210000 to 210500 ft. No. 419 from 210500 to 211000 ft. No. 420 from 211000 to 211500 ft. No. 421 from 211500 to 212000 ft. No. 422 from 212000 to 212500 ft. 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No. 481 from 241500 to 242000 ft. No. 482 from 242000 to 242500 ft. No. 483 from 242500 to 243000 ft. No. 484 from 243000 to 243500 ft. No. 485 from 243500 to 244000 ft. No. 486 from 244000 to 244500 ft. No. 487 from 244500 to 245000 ft. No. 488 from 245000 to 245500 ft. No. 489 from 245500 to 246000 ft. No. 490 from 246000 to 246500 ft. No. 491 from 246500 to 247000 ft. No. 492 from 247000 to 247500 ft. No. 493 from 247500 to 248000 ft. No. 494 from 248000 to 248500 ft. No. 495 from 248500 to 249000 ft. No. 496 from 249000 to 249500 ft. No. 497 from 249500 to 250000 ft. No. 498 from 250000 to 250500 ft. No. 499 from 250500 to 251000 ft. No. 500 from 251000 to 251500 ft. No. 501 from 251500 to 252000 ft. No. 502 from 252000 to 252500 ft. No. 503 from 252500 to 253000 ft. No