

(Continued)

Record of Drill Stem Tests

Sheet No. 2

12-30-48

10742' TD. Ran Drill Stem Test with 2 packers set at 10732' and 10741', 5/8" bottom choke, 1" top choke. Perforations: 10743'-10759'. Ran 1600' water blanket. Tool open at 3:15AM with immediate blow of air that continued through 4 hr test. Tool closed at 7:15AM for 15 min. build up. Recovered 1600' water blanket, 3180' black salty sulphur water, 40' of mud out with sulphur water and with gas odor. Hydro. pressure-6300#, Flow pressure-700-1900#, 15 min build up pressure 4200#, Water 87,000PPM Chlorides.

1-25-48

11680' TD. Ran Drill Stem Test with 2 packers set at 11629'-11637', Perforations: 11639'-40' and 11671'-77', 3/8" bottom choke and 1" top choke. Ran 2600' water blanket. Tool open at 4:36AM with light blow of air immediately that increased to good strong blow in 15 mins. Kept increasing until gas broke through in 1 hour and 35 mins. At 6:41AM gas was at rate of 78M cu.ft. per day and still increasing. Tool closed at 10:13AM for 15 min build up. Recovered 90' drilling mud in bottom, 2600' water blanket and 90' distillate on top of water. Distillate slightly discolored and gravity 49.7 corrected. Gas at rate of 118574 M cu.ft. per day. Hydro pressure-5850#, 6000# out, Flow pressure 1300-1900#, build up press.-3175#.

2-12, 13-48

12255' TD. Ran Drill Stem Test with 2 packers set at 12222' and 12230', Perforations: 12232'-52', 5/8" bottom and 1" top chokes. Ran 3625' water blanket. Tool open 9:30PM with good blow of air immediately. Gas to surface in 2 hours and 10 mins. Gas at rate of 307,944 cu.ft. per day. Tool closed at 1:30AM for 15 min. build up. Bleed gas off, started out of hole and when had 69 stands out well made one head of water unloaded rest of water blanket. Recovered 60' mud in bottom, water blanket and show of distillate on top. No oil, no water either salt or sulphur. Hydro. pressure-6300#, Flow pressure 1700-1725#, 15 min build up pressure 4950#. Capacity of Amerada Bomb not enough to read pressures.

5-18-48

13471' TD, Ran Drill Stem Test with 2 Packers set at 13433' and 13441', Perforations: 13442'-13471', 3/8" bottom and 1" top chokes. Ran 5000' water blanket. Tool open at 8:21AM with few small bubbles. Closed and re-opened at 8:30AM and 9:05AM with few small bubbles each time. Tool closed 9:45AM. Packer dragged on way out. Recovered 5000' water blanket, Howco Pressures: Hydro in-7025#, 3400# when tool opened, Hydro out-7100#. Amerada Bomb: Hydro in-7245#, 2465# when tool opened, Hydro out-7245#.

1-20-48

13487' TD, Ran Drill Stem Test with 2 packers set at 13448' and 13455'. Perforations: 13456'-57', 3/8" bottom choke and 1" top choke, 3950' water blanket. Tool open 8:28AM with good blow of air throughout 3 hr test. Tool closed 11:28AM for 15 min. build up. Recovered 2030' dry pipe, 3913' water blanket. 219' slightly gas out drilling mud and 6725' of clear salt water. Pressures: Howco - Hydro. in-7380#, out-7100#, Flow pressure-2800#, build up pressure failed. Amerada Bomb: Hydro in-7380#, out-7240#, Flow 2700-5285#, build up failed.

GEOLOGICAL TOPS

Elevation Derrick Floor
Elevation Ground
Base Red Bed
Top of Salt
Base Salt
Top Yates
Top Bone Springs

3689'
3428'
1730'
1880'
3190'
3360'
7625'

Top Wolfcamp
Top Pennsylvanian
Top Mississippian
Top Woodford
Top Devonian
Total Depth

10870'
11320'
12525'
13213'
13372'
13524'

3678
3360
318

78000 MSLF

84-02-21

up pressure 1500, water 87,000 lbs. Coliforms.
water and with gas odor. Hgts.-2500, flow pressure-700-1500, is air built
rate plant, 2100' black sandy spring water, 40' of sand and with sulphur
through a 1/2 inch. Foot closed at 715AM for 15 min. build up. Recovered 1500'
water blanked. Foot open at 8:15AM with immediate flow of air that continued
1/8" dot a clock, 1" top clock. Perforations: 10743'-10747', Jan 1941
10762', 10763' will steam foot with 2 packers set at 10755' and 10741'.

34-25-4

11580'. The hole was lost with 2 buckets out at 11580'-11585'.
 Particulars: 11580'-40' and 11581'-77' 3/8" bottom broke and "top broke".
 11580' water blanketed. Tool open at 11584' when the light blew out of air.
 Immediately that increased to good strong flow in 15 mins. kept increasing
 until it broke through in 1 hour and 35 mins. At 11584' was was of rate
 1075 cu. ft. per day and still increasing. Tool closed at 10:15 AM for
 15 min build up. recovered 90' drilling and in bottom, 3000' water
 blanketed and 90' distance on top of water. Distance slightly dis-
 colored and gravity 19.7 corrected. Gas at rate of 11584' x cu. ft. per day.
 11580' pressure 11580'-11585' water 11580'-11585' water 11580'-11585' water.

64-1, 21-2.

enough to read pressure.
The 1700-1725, is run pulled up pressure 1200. Capacity of American Bond not
is off, no water either salt or sulphur. Hydro. pressure-3000. Flow Press-
discovered 60' and in bottom, water blanketed and show of distillate on top.
had 69 stands out well made one head of water unloaded rest of water blanketed.
is 1:30AM for 15 min. wind up. died gas off, started out of hole and when
in 5 hours and 10 mins. Gas at rate of 307,000 cu. ft. per day. Tool cleared
blanket. Tool open 2:30PM with good blow of air immediately. Gas to surface
Performances: 12235'-52', 2 7/8" bottom and 1" top blocks. Run 3052', water
12252'. The run drill stem lost with 5 blocks run at 12235' and 3050'.

تاریخ

[illegible]

9-05-2

13458, 13459, 13460, 13461, 13462, 13463, 13464, 13465, 13466, 13467, 13468, 13469, 13470, 13471, 13472, 13473, 13474, 13475, 13476, 13477, 13478, 13479, 13480, 13481, 13482, 13483, 13484, 13485, 13486, 13487, 13488, 13489, 13490, 13491, 13492, 13493, 13494, 13495, 13496, 13497, 13498, 13499, 13500, 13501, 13502, 13503, 13504, 13505, 13506, 13507, 13508, 13509, 13510, 13511, 13512, 13513, 13514, 13515, 13516, 13517, 13518, 13519, 13520, 13521, 13522, 13523, 13524, 13525, 13526, 13527, 13528, 13529, 13530, 13531, 13532, 13533, 13534, 13535, 13536, 13537, 13538, 13539, 13540, 13541, 13542, 13543, 13544, 13545, 13546, 13547, 13548, 13549, 13550, 13551, 13552, 13553, 13554, 13555, 13556, 13557, 13558, 13559, 13560, 13561, 13562, 13563, 13564, 13565, 13566, 13567, 13568, 13569, 13570, 13571, 13572, 13573, 13574, 13575, 13576, 13577, 13578, 13579, 13580, 13581, 13582, 13583, 13584, 13585, 13586, 13587, 13588, 13589, 13590, 13591, 13592, 13593, 13594, 13595, 13596, 13597, 13598, 13599, 13600, 13601, 13602, 13603, 13604, 13605, 13606, 13607, 13608, 13609, 13610, 13611, 13612, 13613, 13614, 13615, 13616, 13617, 13618, 13619, 13620, 13621, 13622, 13623, 13624, 13625, 13626, 13627, 13628, 13629, 13630, 13631, 13632, 13633, 13634, 13635, 13636, 13637, 13638, 13639, 13640, 13641, 13642, 13643, 13644, 13645, 13646, 13647, 13648, 13649, 13650, 13651, 13652, 13653, 13654, 13655, 13656, 13657, 13658, 13659, 13660, 13661, 13662, 13663, 13664, 13665, 13666, 13667, 13668, 13669, 13670, 13671, 13672, 13673, 13674, 13675, 13676, 13677, 13678, 13679, 13680, 13681, 13682, 13683, 13684, 13685, 13686, 13687, 13688, 13689, 13690, 13691, 13692, 13693, 13694, 13695, 13696, 13697, 13698, 13699, 13700, 13701, 13702, 13703, 13704, 13705, 13706, 13707, 13708, 13709, 13710, 13711, 13712, 13713, 13714, 13715, 13716, 13717, 13718, 13719, 13720, 13721, 13722, 13723, 13724, 13725, 13726, 13727, 13728, 13729, 13730, 13731, 13732, 13733, 13734, 13735, 13736, 13737, 13738, 13739, 13740, 13741, 13742, 13743, 13744, 13745, 13746, 13747, 13748, 13749, 13750, 13751, 13752, 13753, 13754, 13755, 13756, 13757, 13758, 13759, 13760, 13761, 13762, 13763, 13764, 13765, 13766, 13767, 13768, 13769, 13770, 13771, 13772, 13773, 13774, 13775, 13776, 13777, 13778, 13779, 13780, 13781, 13782, 13783, 13784, 13785, 13786, 13787, 13788, 13789, 13790, 13791, 13792, 13793, 13794, 13795, 13796, 13797, 13798, 13799, 13800, 13801, 13802, 13803, 13804, 13805, 13806, 13807, 13808, 13809, 13810, 13811, 13812, 13813, 13814, 13815, 13816, 13817, 13818, 13819, 13820, 13821, 13822, 13823, 13824, 13825, 13826, 13827, 13828, 13829, 13830, 13831, 13832, 13833, 13834, 13835, 13836, 13837, 13838, 13839, 13840, 13841, 13842, 13843, 13844, 13845, 13846, 13847, 13848, 13849, 13850, 13851, 13852, 13853, 13854, 13855, 13856, 13857, 13858, 13859, 13860, 13861, 13862, 13863, 13864, 13865, 13866, 13867, 13868, 13869, 13870, 13871, 13872, 13873, 13874, 13875, 13876, 13877, 13878, 13879, 13880, 13881, 13882, 13883, 13884, 13885, 13886, 13887, 13888, 13889, 13890, 13891, 13892, 13893, 13894, 13895, 13896, 13897, 13898, 13899, 13900, 13901, 13902, 13903, 13904, 13905, 13906, 13907, 13908, 13909, 13910, 13911, 13912, 13913, 13914, 13915, 13916, 13917, 13918, 13919, 13920, 13921, 13922, 13923, 13924, 13925, 13926, 13927, 13928, 13929, 13930, 13931, 13932, 13933, 13934, 13935, 13936, 13937, 13938, 13939, 13940, 13941, 13942, 13943, 13944, 13945, 13946, 13947, 13948, 13949, 13950, 13951, 13952, 13953, 13954, 13955, 13956, 13957, 13958, 13959, 13960, 13961, 13962, 13963, 13964, 13965, 13966, 13967, 13968, 13969, 13970, 13971, 13972, 13973, 13974, 13975, 13976, 13977, 13978, 13979, 13980, 13981, 13982, 13983, 13984, 13985, 13986, 13987, 13988, 13989, 13990, 13991, 13992, 13993, 13994, 13995, 13996, 13997, 13998, 13999, 14000, 14001, 14002, 14003, 14004, 14005, 14006, 14007, 14008, 14009, 14010, 14011, 14012, 14013, 14014, 14015, 14016, 14017, 14018, 14019, 14020, 14021, 14022, 14023, 14024, 14025, 14026, 14027, 14028, 14029, 14030, 14031, 14032, 14033, 14034, 14035, 14036, 14037, 14038, 14039, 14040, 14041, 14042,

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10890	Top Holston	3689	Alverson Herbert Fleet
10891	Top Holston	3690	Alverson Herbert Fleet
10892	Top Holston	3691	Alverson Herbert Fleet
10893	Top Holston	3692	Alverson Herbert Fleet
10894	Top Holston	3693	Alverson Herbert Fleet
10895	Top Holston	3694	Alverson Herbert Fleet
10896	Top Holston	3695	Alverson Herbert Fleet
10897	Top Holston	3696	Alverson Herbert Fleet
10898	Top Holston	3697	Alverson Herbert Fleet
10899	Top Holston	3698	Alverson Herbert Fleet
10900	Top Holston	3699	Alverson Herbert Fleet