

# DRILL STEM TESTS

Date	Type of Test Open Hole or Perf Csg	Formation Tested		Size Choke	Tool Open	Formation Pressure		Recovery-Feet			Was Test Satis.
		From	To			Flowing	Shut-In	Oil	Water	Other	
5-4-50	OH	5461	5610	1	5/8	21	725	2325	440	2150	yes
5-11-50	OH	6389	6450	1	5/8	20	1400	2550	oilcut		yes
5-12-50	OH	6448	6520	1	5/8	125	300	700	350		yes

Hole Deviation: Maximum Deviation 2 1/2 at 4890 by TOTCO

100

10

100

100

52

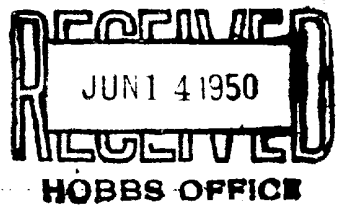
1.  $\frac{1}{2}$  2.  $\frac{1}{3}$  3.  $\frac{1}{4}$  4.  $\frac{1}{5}$  5.  $\frac{1}{6}$  6.  $\frac{1}{7}$  7.  $\frac{1}{8}$  8.  $\frac{1}{9}$  9.  $\frac{1}{10}$  10.  $\frac{1}{11}$  11.  $\frac{1}{12}$  12.  $\frac{1}{13}$  13.  $\frac{1}{14}$  14.  $\frac{1}{15}$  15.  $\frac{1}{16}$  16.  $\frac{1}{17}$  17.  $\frac{1}{18}$  18.  $\frac{1}{19}$  19.  $\frac{1}{20}$  20.  $\frac{1}{21}$  21.  $\frac{1}{22}$  22.  $\frac{1}{23}$  23.  $\frac{1}{24}$  24.  $\frac{1}{25}$  25.  $\frac{1}{26}$  26.  $\frac{1}{27}$  27.  $\frac{1}{28}$  28.  $\frac{1}{29}$  29.  $\frac{1}{30}$  30.  $\frac{1}{31}$  31.  $\frac{1}{32}$  32.  $\frac{1}{33}$  33.  $\frac{1}{34}$  34.  $\frac{1}{35}$  35.  $\frac{1}{36}$  36.  $\frac{1}{37}$  37.  $\frac{1}{38}$  38.  $\frac{1}{39}$  39.  $\frac{1}{40}$  40.  $\frac{1}{41}$  41.  $\frac{1}{42}$  42.  $\frac{1}{43}$  43.  $\frac{1}{44}$  44.  $\frac{1}{45}$  45.  $\frac{1}{46}$  46.  $\frac{1}{47}$  47.  $\frac{1}{48}$  48.  $\frac{1}{49}$  49.  $\frac{1}{50}$  50.  $\frac{1}{51}$  51.  $\frac{1}{52}$  52.  $\frac{1}{53}$  53.  $\frac{1}{54}$  54.  $\frac{1}{55}$  55.  $\frac{1}{56}$  56.  $\frac{1}{57}$  57.  $\frac{1}{58}$  58.  $\frac{1}{59}$  59.  $\frac{1}{60}$  60.  $\frac{1}{61}$  61.  $\frac{1}{62}$  62.  $\frac{1}{63}$  63.  $\frac{1}{64}$  64.  $\frac{1}{65}$  65.  $\frac{1}{66}$  66.  $\frac{1}{67}$  67.  $\frac{1}{68}$  68.  $\frac{1}{69}$  69.  $\frac{1}{70}$  70.  $\frac{1}{71}$  71.  $\frac{1}{72}$  72.  $\frac{1}{73}$  73.  $\frac{1}{74}$  74.  $\frac{1}{75}$  75.  $\frac{1}{76}$  76.  $\frac{1}{77}$  77.  $\frac{1}{78}$  78.  $\frac{1}{79}$  79.  $\frac{1}{80}$  80.  $\frac{1}{81}$  81.  $\frac{1}{82}$  82.  $\frac{1}{83}$  83.  $\frac{1}{84}$  84.  $\frac{1}{85}$  85.  $\frac{1}{86}$  86.  $\frac{1}{87}$  87.  $\frac{1}{88}$  88.  $\frac{1}{89}$  89.  $\frac{1}{90}$  90.  $\frac{1}{91}$  91.  $\frac{1}{92}$  92.  $\frac{1}{93}$  93.  $\frac{1}{94}$  94.  $\frac{1}{95}$  95.  $\frac{1}{96}$  96.  $\frac{1}{97}$  97.  $\frac{1}{98}$  98.  $\frac{1}{99}$  99.  $\frac{1}{100}$  100.  $\frac{1}{101}$  101.  $\frac{1}{102}$  102.  $\frac{1}{103}$  103.  $\frac{1}{104}$  104.  $\frac{1}{105}$  105.  $\frac{1}{106}$  106.  $\frac{1}{107}$  107.  $\frac{1}{108}$  108.  $\frac{1}{109}$  109.  $\frac{1}{110}$  110.  $\frac{1}{111}$  111.  $\frac{1}{112}$  112.  $\frac{1}{113}$  113.  $\frac{1}{114}$  114.  $\frac{1}{115}$  115.  $\frac{1}{116}$  116.  $\frac{1}{117}$  117.  $\frac{1}{118}$  118.  $\frac{1}{119}$  119.  $\frac{1}{120}$  120.  $\frac{1}{121}$  121.  $\frac{1}{122}$  122.  $\frac{1}{123}$  123.  $\frac{1}{124}$  124.  $\frac{1}{125}$  125.  $\frac{1}{126}$  126.  $\frac{1}{127}$  127.  $\frac{1}{128}$  128.  $\frac{1}{129}$  129.  $\frac{1}{130}$  130.  $\frac{1}{131}$  131.  $\frac{1}{132}$  132.  $\frac{1}{133}$  133.  $\frac{1}{134}$  134.  $\frac{1}{135}$  135.  $\frac{1}{136}$  136.  $\frac{1}{137}$  137.  $\frac{1}{138}$  138.  $\frac{1}{139}$  139.  $\frac{1}{140}$  140.  $\frac{1}{141}$  141.  $\frac{1}{142}$  142.  $\frac{1}{143}$  143.  $\frac{1}{144}$  144.  $\frac{1}{145}$  145.  $\frac{1}{146}$  146.  $\frac{1}{147}$  147.  $\frac{1}{148}$  148.  $\frac{1}{149}$  149.  $\frac{1}{150}$  150.  $\frac{1}{151}$  151.  $\frac{1}{152}$  152.  $\frac{1}{153}$  153.  $\frac{1}{154}$  154.  $\frac{1}{155}$  155.  $\frac{1}{156}$  156.  $\frac{1}{157}$  157.  $\frac{1}{158}$  158.  $\frac{1}{159}$  159.  $\frac{1}{160}$  160.  $\frac{1}{161}$  161.  $\frac{1}{162}$  162.  $\frac{1}{163}$  163.  $\frac{1}{164}$  164.  $\frac{1}{165}$  165.  $\frac{1}{166}$  166.  $\frac{1}{167}$  167.  $\frac{1}{168}$  168.  $\frac{1}{169}$  169.  $\frac{1}{170}$  170.  $\frac{1}{171}$  171.  $\frac{1}{172}$  172.  $\frac{1}{173}$  173.  $\frac{1}{174}$  174.  $\frac{1}{175}$  175.  $\frac{1}{176}$  176.  $\frac{1}{177}$  177.  $\frac{1}{178}$  178.  $\frac{1}{179}$  179.  $\frac{1}{180}$  180.  $\frac{1}{181}$  181.  $\frac{1}{182}$  182.  $\frac{1}{183}$  183.  $\frac{1}{184}$  184.  $\frac{1}{185}$  185.  $\frac{1}{186}$  186.  $\frac{1}{187}$  187.  $\frac{1}{188}$  188.  $\frac{1}{189}$  189.  $\frac{1}{190}$  190.  $\frac{1}{191}$  191.  $\frac{1}{192}$  192.  $\frac{1}{193}$  193.  $\frac{1}{194}$  194.  $\frac{1}{195}$  195.  $\frac{1}{196}$  196.  $\frac{1}{197}$  197.  $\frac{1}{198}$  198.  $\frac{1}{199}$  199.  $\frac{1}{200}$  200.  $\frac{1}{201}$  201.  $\frac{1}{202}$  202.  $\frac{1}{203}$  203.  $\frac{1}{204}$  204.  $\frac{1}{205}$  205.  $\frac{1}{206}$  206.  $\frac{1}{207}$  207.  $\frac{1}{208}$  208.  $\frac{1}{209}$  209.  $\frac{1}{210}$  210.  $\frac{1}{211}$  211.  $\frac{1}{212}$  212.  $\frac{1}{213}$  213.  $\frac{1}{214}$  214.  $\frac{1}{215}$  215.  $\frac{1}{216}$  216.  $\frac{1}{217}$  217.  $\frac{1}{218}$  218.  $\frac{1}{219}$  219.  $\frac{1}{220}$  220.  $\frac{1}{221}$  221.  $\frac{1}{222}$  222.  $\frac{1}{223}$  223.  $\frac{1}{224}$  224.  $\frac{1}{225}$  225.  $\frac{1}{226}$  226.  $\frac{1}{227}$  227.  $\frac{1}{228}$  228.  $\frac{1}{229}$  229.  $\frac{1}{230}$  230.  $\frac{1}{231}$  231.  $\frac{1}{232}$  232.  $\frac{1}{233}$  233.  $\frac{1}{234}$  234.  $\frac{1}{235}$  235.  $\frac{1}{236}$  236.  $\frac{1}{237}$  237.  $\frac{1}{238}$  238.  $\frac{1}{239}$  239.  $\frac{1}{240}$  240.

100

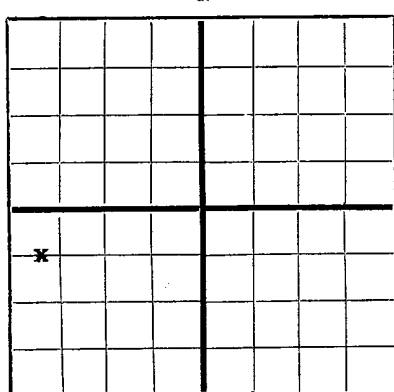
Figure 1 shows a series of nine line drawings of a person, arranged in a 3x3 grid. The drawings are labeled with numbers 2, 3, 4, 5, 6, and 7 in the bottom right corner of each drawing, indicating the age of the child who drew them. The drawings show a progression from a simple stick figure to a more detailed figure with a head, torso, and limbs.

Figure 1 shows a 3x3 grid of line drawings representing a child's drawing of a person at different ages. The drawings are arranged in three rows and three columns. The top row shows a simple stick figure with a circle for a head and a vertical line for a body. The middle row shows a more detailed drawing with a head, torso, and limbs. The bottom row shows a drawing with a head, torso, and limbs, but with some additional details like a face and hair. The drawings are labeled with numbers 1 through 9, indicating the age of the child who drew them.

DUPLICATE



FORM C-105



AREA 640 ACRES  
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Humble Oil & Refining Company, Box 2180, Houston, Texas  
Company or Operator Address  
N.M. State S. Well No. 21 in SW 1/4 of Sec. 2, T. 22-S  
Lease  
R. 37-E, N. M. P. M., Drinkard Field, Lea County.  
Well is 3300 feet south of the North line and 4780 feet west of the East line of Section 2  
If State land the oil and gas lease is No. Assignment No.  
If patented land the owner is, Address  
If Government land the permittee is, Address  
The Lessee is Humble Oil & Refining Company, Address 2180, Houston, Texas  
Drilling commenced 4-14-50 19 Drilling was completed 5-11-50 19  
Name of drilling contractor McQueen & Clevenger, Address Hobbs, N.M.  
Elevation above sea level at top of casing 3380 feet.  
The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 6460 to 6490 No. 4, from to  
No. 2, from to No. 5, from to  
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

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

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
10-3/4	40.5	8-R	J&L	336.96	Larkin	-	-	-	Surface
7-5/8	26.4	8-R	Pittsburg	2601.16	Larkin	-	-	-	Intermediate
5-1/2	14.5	8-R	National	6507.00	unknown	-	6460	6490	Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
15"	10-3/4	352.56	300	Halliburton		
9-7/8"	7-5/8	2615.16	1600	Halliburton		
6-3/4"	5-1/2	6519.00	500	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set  
Adapters — Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		Western 15% LT Acid	1000 gal	5-16-50	6460-6490	

Results of shooting or chemical treatment Perf. from 6460 to 6490 4 shots per ft. acidized with 1000 gal Western 15% LT acid from 6460 to 6490. Well test at rate of 4 bbls per hr PLO.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto. (See attached sheet)

TOOLS USED

Rotary tools were used from 0 feet to 6520 feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

PRODUCTION (Test)

Put to producing Tested 6-5-50, 19  
The production of the first 24 hours was 22.7 barrels of fluid of which PLO % was oil; PLO % emulsion; % water; and % sediment. Gravity, Be 39 at 60 degrees  
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas  
Rock pressure, lbs. per sq. in.

EMPLOYEES

Doyle Campbell, Driller E. N. Curtis, Driller  
J. B. Campbell, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 12th day of June, 1950  
Lula M. Bates  
Notary Public  
My Commission expires 6-1-51

Midland, Texas 6-12-50  
Name Date  
Position Asst. Division Superintendent  
Representing Humble Oil & Refining Company  
Address Box 1600, Midland, Texas

## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	369	369	Red Bed & Caliche
369	1085	716	Red Bed & Shells
1085	1442	357	Anhydrite
1442	2425	983	Salt & Anhydrite
2425	2625	200	Anhydrite & Sand
2625	6520	3895	Line
			Total Depth 6520