

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company	W. H. Pitts	Lease	Funderberger	Well No.	5	
Location	SW NW SE SW					
Section	9	Twp.	24S	Rge.	25E	
		County	Bourbon		State	Kansas
Name of Sand	- - - - - *U.U.Z.				Tucker	
Top of Core	- - - - -				261.0	290.0
Bottom of Core	- - - - -				276.0	342.0
Top of Sand	- - - - -				261.0	297.0
Bottom of Sand	- - - - -				266.8	337.2
Total Feet of Permeable Sand	- - - - -				5.1	37.6
Total Feet of Floodable Sand	- - - - -					
Distribution of Permeable Sand:						
	Permeability Range Millidarcys		Feet		Cum. Ft.	
*U.U.Z.	0 - 4		2.3		2.3	
	28 - 58		2.8		5.1	
Tucker	2 - 7		2.6		2.6	
	10 - 50		18.0		20.6	
	50 - 100		7.0		27.6	
	100 & above		10.0		37.6	
Average Permeability Millidarcys	- - - - -				19.3	71.0
Average Percent Porosity	- - - - -				16.0	19.1
Average Percent Oil Saturation	- - - - -				18.1	15.5
Average Percent Water Saturation	- - - - -				62.6	64.4
Average Oil Content, Bbls./A. Ft.	- - - - -				223.	234.
Total Oil Content, Bbls./Acre	- - - - -				1,138.	9,383.
Average Percent Oil Recovery by Laboratory Flooding Tests	- - - - -					
Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft.	- - - - -					
Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre	- - - - -					
Total Calculated Oil Recovery, Bbls./Acre	- - - - -					
Packer Setting, Feet	- - - - -					
Viscosity, Centipoises @	- - - - -					
A. P. I. Gravity, degrees @ 60 °F	- - - - -					
Elevation, Feet	- - - - -					

OILFIELD RESEARCH LABORATORIES

-LOG-

Company W. H. Pitts Lease Funderberger Well No. 5

Depth Interval, Description
Feet

-UNIDENTIFIED UPPER ZONE-

261.0 - 264.3 - Grayish light brown, slightly shaly sandstone.
 264.3 - 265.0 - Gray, laminated, sandy shale.
 265.0 - 266.8 - Dark, carbonaceous, shaly sandstone.
 266.8 - 268.0 - Laminated sandy shale.
 268.0 - 276.0 - Dark shale.

-TUCKER SAND-

290.0 - 294.0 - Sandy shale.
 294.0 - 297.0 - Gray, laminated, shaly, calcareous sandstone.
 297.0 - 300.6 - Grayish light brown, calcareous sandstone.
 300.6 - 313.6 - Grayish light brown, slightly shaly sandstone.
 313.6 - 324.8 - Light brown, slightly shaly sandstone.
 324.8 - 337.2 - Grayish brown, slightly shaly sandstone.
 337.2 - 338.2 - Dark carbonaceous sandstone.
 338.2 - 338.6 - Coal.
 338.6 - 342.0 - Shale.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company W. H. Pitts Lease Funderberger Well No. 5

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
UNIDENTIFIED UPPER ZONE-											
1	261.1	13.7	22	56	78	234	0.62	0.6	0.6	140	0.38
2	262.1	15.7	19	58	77	231	0.31	1.0	1.6	231	0.31
3	263.1	12.5	17	80	97	165	57.	1.0	2.6	165	57.00
4	264.1	15.4	16	63	79	191	3.1	0.7	3.3	134	2.17
5	265.1	19.3	17	47	64	254	58.	0.6	3.9	152	34.80
6	266.1	18.9	18	63	81	264	28.	1.2	5.1	316	33.60
TUCKER SAND-											
7	297.1	15.1	23	70	93	269	Imp.	0.6	5.7	161	0.00
8	298.1	10.1	10	75	85	78	Imp.	1.0	6.7	78	0.00
9	299.1	14.9	4	80	84	46	Imp.	1.0	7.7	46	0.00
10	300.1	18.6	14	51	65	202	6.1	1.0	8.7	202	6.10
11	301.1	18.4	3	60	63	43	25.	1.0	9.7	43	25.00
12	302.1	17.5	9	54	63	122	16.	1.0	10.7	122	16.00
13	303.1	16.5	7	79	86	90	19.	1.0	11.7	90	19.00
14	304.1	18.0	8	75	83	112	30.	1.0	12.7	112	30.00
15	305.1	18.7	11	74	85	160	1.6	1.0	13.7	160	1.60
16	306.1	19.0	9	79	88	133	40.	1.0	14.7	133	40.00
17	307.1	19.0	6	82	88	89	26.	1.0	15.7	89	26.00
18	308.1	18.9	11	80	91	161	19.	1.0	16.7	161	19.00
19	309.1	18.7	9	78	87	131	32.	1.0	17.7	131	32.00
20	310.1	18.6	8	81	89	115	52.	1.0	18.7	115	52.00
21	311.1	19.5	7	79	86	106	11.	1.0	19.7	106	11.00
22	312.1	19.1	11	78	89	163	22.	1.0	20.7	163	22.00
23	313.1	18.1	17	67	84	239	92.	1.0	21.7	239	92.00

RESULTS OF SATURATION & PERMEABILITY TESTS

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Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
24	314.1	18.1	26	46	72	365	73.	1.0	22.7	365	73.00
25	315.1	18.7	27	52	79	391	29.	1.0	23.7	391	29.00
26	316.1	19.8	27	53	80	414	18.	1.0	24.7	414	18.00
27	317.1	19.1	24	56	80	356	17.	1.0	25.7	356	17.00
28	318.1	19.2	24	57	81	358	31.	1.0	26.7	358	31.00
29	319.1	19.9	20	58	78	309	48.	1.0	27.7	309	48.00
30	320.1	19.3	27	53	80	403	51.	1.0	28.7	403	51.00
31	321.1	20.4	28	44	72	443	65.	1.0	29.7	443	65.00
32	322.1	19.2	29	49	78	431	178.	1.0	30.7	431	178.00
33	323.1	20.0	28	45	73	434	142.	1.0	31.7	434	142.00
34	324.1	20.4	28	51	79	443	156.	1.2	32.9	531	187.20
35	325.1	19.4	19	59	78	286	137.	0.8	33.7	229	109.60
36	326.1	20.1	18	62	80	280	262.	1.0	34.7	280	262.00
37	327.1	20.8	14	66	80	226	146.	1.0	35.7	226	146.00
38	328.1	20.9	13	69	82	210	218.	1.0	36.7	210	218.00
39	329.1	20.5	9	71	80	143	140.	1.0	37.7	143	140.00
40	330.1	22.3	10	70	80	173	125.	1.0	38.7	173	125.00
41	331.1	20.6	16	65	81	256	171.	1.0	39.7	256	171.00
42	332.1	22.1	14	59	73	240	50.	1.0	40.7	240	50.00
43	333.1	20.4	19	59	78	300	76.	1.0	41.7	300	76.00
44	334.1	20.8	16	63	79	258	72.	1.0	42.7	258	72.00
45	335.1	20.4	15	58	73	237	23.	1.0	43.7	237	23.00
46	336.1	21.4	12	63	75	199	40.	1.0	44.7	199	40.00
47	337.1	19.5	5	85	90	76	2.6	0.6	45.3	46	1.56