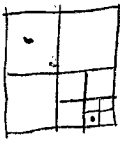
Caldwell
Skelly Oil
C-605



30	55	28
994	—	core
395	—	

SEPT. 1939

written log

00039

Skelly

CORE LABORATORIES, INC.

Petroleum Engineering Service

SANTA FE BUILDING
DALLAS

Company SKELLY OIL COMPANY Date Report 9-22-39 File D-249

Well Location Analysts WEL

Field Formation Reports to

County State Missouri Elevation Coregraph None

Cores Remarks

Core Summary-Off Location Analyses

NO.	DEPTH	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PERCENT PORE SPACE OIL	WATER	GRAVITY	REMARKS
1a		170	23.8	8.8	24.4		
4a		160	19.4	14.4	26.3		
1b		90	21.5	27.9	32.1		
4b		180	23.5	19.6	36.2		
7b		54	24.1	21.9	35.2	27 API	
2c		391	21.0	30.0	37.6		
5c		91	18.1	49.2	35.3	26 API	
8c		13	17.5	18.3	45.7		

Core Hole C-605
SW SE SE Sec. 30-55N-28W
Caldwell County, Missouri

Core A 380-83 - 6 sections
B 383-87 - 8 "
C 387-91 9 "

NO INTERPRETATION OF RESULTS—OFF LOCATION ANALYSES

CONFIDENTIAL

27-F-50

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES - ROLLA, MO.

COUNTY Caldwell LOG NUMBER

COMPANY OR OWNER Skelly Oil Company

FARM WELL NO. C-605

LOCATION SE SEC. 30 T. 55N R. 28W

CONTRACTOR Skelly Oil Company

DRILLER TOOL DR.

COMMENCED 9/14/39 COMPLETED

PRODUCTION PLOTTED

CASING RECORD

WATER RECORD

SOURCE OF LOG

ELEV. 994'

REMARKS 380' f SL & 1180' f EL

TOTAL DEPTH 395'

Filed in Chemistry building warehouse.

CHEM. ANAL. NO.

Lindley Sh. #4

FORMATION	THICK	DEPTH	FORMATION	THICK	DEPTH
Samples 50 - 355		Box 869			
Core 356 - 380		Box M-31			
Core 391 - 395		Box M-31			
Core 380 - 383		Box M-32	Core "A"		
Core 383 - 387		Box M-32	Core "B"		
Core 387 - 391		Box M-32	Core "C"		
Clay, sand, yellow	0	17			
Lime bands, Clay	17	29			
Shale grey	29	48	csgo. @ 43		

Core Analysis, Polo Sand

Skelly Oil Company, Core Hole C-605

SW¼ SE¼ SE¼ Sec. 30, T. 55 N., R. 28 W.

Analyzed by Core Laboratories, Inc., Dallas, Texas, Sept. 22, 1939.

No.	Depth	Permeability Millidarcys	Porosity Per cent	Residual Saturation Percent Pore Space Oil	Residual Saturation Percent Pore Space Water	Gravity
1a		170	23.8	8.8	24.4	
4a		160	19.4	14.4	26.3	
1b		90	21.5	27.9	32.1	
4b		180	23.5	19.6	36.2	
7b		54	24.1	21.9	35.2	27 API
2c		391	21.0	30.0	57.6	
5c		91	18.1	49.2	35.3	26 API
8c		13	17.5	18.3	45.7	

Average porosity = 20.1

Core A 380-83 - 6 sections
B 383-87 - 8 sections
C 387-91 - 9 sections

cc: fog.

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES
ROLLA, MISSOURI

COUNTY Caldwell LOG NUMBER

COMPANY OR OWNER Skelly Oil Company

FARM WELL NO. CD

LOCATION SEC. 24 T. 55 R. 29

CONTRACTOR

DRILLER TOOL DR.

COMMENCED COMPLETED

PRODUCTION PLOTTED

CASING RECORD

WATER RECORD

SOURCE OF LOG

REMARKS

ELEV.

TOTAL DEPTH

CHEM. ANAL. NO.

Lindley Sh. #6

FORMATION	THICK.	DEPTH	FORMATION	THICK.	DEPTH
Sand	44	400	very approx. No oil		

RECORD OF DRILLING TIME

Well No. C-605

Depth From	Depth To	Drilling Time Began	Drilling Time Ended	Actual Drilling Time in Minutes	Remarks
0	1½	1:30	1:31	1	
1½	3	31	32	1	
3	4-6	32	33	1	
4-6	6	33	34	1	
6	7-6	34	35	1	
7-6	9	35	36	1	
9	10-6	36	37	1	
10-6	12	37	38	1	
12	13	38	39	1	
13	14-6	39	40	1	
14-6	16	40	41	1	
16	17-6	41	42	1	
17-6	19	42	47	5	
19	20-6	47	57	10	
20-6	22	57	2:04	7	
22	23	2:04	13	11	
23	24-6	13	18	5	
24-6	26	18	25	7	
26	27-6	25	28	3	
27-6	29	28	35	7	
29	30-6	35	38	3	
30-6	32	38	41	3	
32	33	41	45	4	
33	34-6	45	47	2	
34-6	36	47	50	3	
36	37-6	50	54	4	
37-6	39	54	3:00	6	
39	40-6	3:00	02	2	
40-6	42	02	05	3	
42	43	5:43	5:45	2	Rock bit
43	44-6	45	5:50	5	
44-6	46	50	6:06	16	
46	47-6	6:06	12	6	
47-6	49	12	19	7	
49	50-6	19	25	6	
50-6	52	25	29	4	
52	53	29	35	6	
53	54-6	7:08	7:12	4	
54-6	56	12	25	8	
56	57-6	25	39	14	
57-6	59	39	44	5	
59	60-6	44	48	4	
60-6	62	8:12	8:17	5	
62	63	17	29	12	Pulled rock bit fishtail
63	64-6	9:45	9:46	1	
64-6	66	46	47	1	
66	67-6	47	48	1	
67-6	69	48	49	1	
69	70-6	49	51	2	
70-6	72	51	10:00	9	
72	73	10:00	11	11	Added rod

RECORD OF DRILLING TIME

Well No. C-605

Depth From	Depth To	Drilling Time Began	Drilling Time Ended	Actual Drilling Time in Minutes	Remarks
73	74-6	10:11	10:28	18	
74-6	76	41	48	7	Pulled fishtail
76	77-6	48	58	10	Run rock bit
77-6	79	58	11:07	9	
79	80-6	11:07	20	17	Pulled rock bit run fishtail
80-6	82	32	33	1	R added rod
82	83	33	35	2	
83	84-6	35	36	1	
84-6	86	36	38	2	
86	87-6	38	40	2	
87-6	89	40	41	1	
89	90-6	41	48	7	Pulled fishtail
90-6	92	12:07	12:29	22	ran rock bit
92	93	29	41	12	R added rod
93	94-6	41	1:05	10	Pulled rock bit 12:50
94-6	96	1:05	08	3	Fishtail
96	97-6	08	10	2	
97-6	99	10	12	2	
99	100-6	12	13	1	
100-6	02	13	14	1	
02	03	14	16	2	R added rod
03	04-6	16	20	4	
04-6	06	20	21	1	
06	07-6	21	23	2	
07-6	09	23	24	1	
09	10-6	24	25	1	
10-6	12	25	27	2	
12	13	27	28	1	R added rod
13	14-6	28	30	2	
14-6	16	30	31	1	Took of fishtail
16	17-6	31	44	13	Run ?
17-6	19	2:01	2:20	19	
19	20-6	20	34	14	
20-6	22	34	41	8	
22	23	41	52	11	Added rod
23	24-6	52	3:05	13	
24-6	26	3:05	15	10	
26	27-6	15	46	31	Pulled rock bit
27-6	29	4:35	4:43	8	In hole 4:15 with fishtail
29	30-6	43	45	2	Reamed from 4:20 to 4:35
30-6	32	45	49	4	
32	33	49	52	3	Added rod
33	34-6	52	55	3	
34-6	36	55	56	1	
36	37-6	56	58	2	
37-6	39	58	5:00	2	
39	40-6	5:00	07	7	
40-6	42	07	18	11	
42	43	18	28	10	Added rod
43	44-6	28	40	12	
44-6	~~47-6~~ 46	40	44	4	

RECORD OF DRILLING TIME

Well No. C605

Depth From	Depth To	Drilling Time Began	Drilling Time Ended	Actual Drilling Time in Minutes	Remarks
146	147-6	5:44	7:20	1 hr. 12 min.	Pulled fishtail 5:55 back in hole at 6:19 Rock bit
47-6	49	7:20	8:08	48	
49	50-6	8:08	25	17	
50-6	52	25	41	16	
52	53	9:13	9:23	10	R pulled rock bit 1:52 8:41 in with fishtail back in with rock bit. Pulled r. bit at 11:40
53	54-6	9:23	55	32	
54-6	56	10:50	11:40	50	
56	57-6	12:50	12:57	7	Rock bit from 156
57-6	59	57	1:05	8	
59	60-6	1:05	12	7	
60-6	62	12	21	9	
62	63	21	29	8	R
63	64-6	29	37	8	
64-6	66	37	45	8	
66	67-6	45	55	10	
67-6	69	55	2:02	7	Hughes 156-232
69	70-6	2:02	09	7	
70-6	72	09	16	7	
72	73	16	19	3	
73	74-6	19	22	3	
74-6	76	22	26	4	
76	77-6	26	30	4	
77-6	79	30	34	4	
79	80-6	34	38	4	
80-6	82	38	42	4	
82	83	42	47	5	
83	84-6	47	54	7	
84-6	86	54	3:01	7	
86	87-6	3:01	08	7	
87-6	89	08	17	9	
89	90-6	17	26	9	
90-6	92	26	33	7	
92	93	33	40	7	
93	94-6	40	46	6	
94-6	96	46	54	8	
96-6	97-6	54	4:03	9	
97-6	99	4:03	07	4	
99	200-6	07	12	5	
200-6	02	12	16	4	
02	03-6	16	22	6	
03	04-6	22	31	9	
04-6	06	31	42	11	
06	07-6	42	51	9	
07-6	09	51	5:05	14	
09	10-6	5:05	21	16	
10-6	12	21	25	4	
12	13	25	33	8	
13	14-6	33	38	5	
14-6	16	38	42	4	
16	17-6	42	45	3	
17-6	19	45	50	5	
19	20-6	50	55	5	

RECORD OF DRILLING TIME

Well No. C-605

Depth From	Depth To	Drilling Time Began	Drilling Time Ended	Actual Drilling Time in Minutes	Remarks
220-6	222	5:55	5:59	4	
22	23	59	6:09	10	
23	24-6	6:09	13	4	
24-6	26	13	17	4	
26	27-6	17	20	3	
27-6	29	20	23	3	
29	30-6	23	25	2	
30-6	32	25	28	3	
32	33	28	30	2	Pulled rock bit, run 232
33	34-6	53	54	1	Fishtail
34-6	36	54	54½	½	
36	37-6	54½	55	½	
37-6	39	55	56	1	
39	40-6	56	57	1	
40-6	42	57	58	1	
42	43	58	58½	½	
43	44-6	58½	7:00	1½	
44-6	46	7:00	01	1	
46	47-6	01	02	1	
47-6	49	02	03	1	
49	50-6	03	03½	½	
50-6	52	03½	05	1½	
52	53	05	07	2	
53	54-6	07	08	1	
54-6	56	08	08½	½	
56	57-6	08½	09	½	
57-6	59	09	10	1	
59	60-6	10	11	1	
60-6	62	11	11½	½	
62	63	11½	12	½	
63	64-6	12	13	1	
64-6	66	13	14	1	
66	67-6	14	14½	½	
67-6	69	14½	15	½	
69	70-6	15	16	1	
70-6	72	16	17	1	
72	73	17	17½	½	
73	74-6	17½	20	2½	
74-6	76	20	20½	½	
76	77-6	20½	21	½	
77-6	79	21	24	3	
79	80-6	24	24½	½	
80-6	82	24½	25	½	
82	83	25	25½	½	
83	84-6	25½	27	1½	
84-6	86	27	28	1	
86	87-6	28	29	1	
87-6	89	29	29½	½	
89	90-6	29½	30	½	
90-6	92	30	30½	½	
92	93	30½	31	½	

RECORD OF DRILLING TIME

Well No. C-605

Depth From	Depth To	Drilling Time Began	Drilling Time Ended	Actual Drilling Time in Minutes	Remarks
293	294-6	7:31	7:33	2	
94-6	96	33	34	1	
96	97-6	34	35	1	
97-6	99	35	35½	½	
99	300-6	35½	36	½	
300-6	02	36	37	1	
02	03	37	37½	½	
03	04-6	37½	39	1½	
04-6	06	39	40	1	
06	07-6	40	41	1	
07-6	09	41	42	1	
09	10-6	42	43	1	
10-6	12	43	44	1	
12	13	44	45	1	
13	14-6	45	47	2	
14-6	16	47	48	1	
16	17-6	48	48½	½	
17-6	19	48½	49	½	
19	20-6	49	~~50½~~ 49½	½	
20-6	22	49½	50	½	
22	23	50	50½	½	
23	24-6	50½	52	1½	
24-6	26	52	53	1	
26	27-6	53	54	1	
27-6	29	54	55	1	
29	30-6	55	56	1	
30-6	32	56	57½	1½	
32	33	57½	58	½	
33	34-6	58	8:00	2	
34-6	36	8:00	01	1	
36	37-6	01	02	1	
37-6	39	02	03	1	
39	40-6	03	03½	½	
40-6	42	03½	08	4½	Hard
42	43	08	11	3	
43	44-6	11	11½	½	
44-6	46	11½	13	1½	
46	47-6	13	13½	½	
47-6	49	13½	20	6	Hard
49	50-6	20	27	7	"
50-6	52	27	29	2	
52	53	29	31	2	
53	54-6	31	34	3	
54-6	56	34	36	2	Pulled fishtail run core barrel
56	57-6	9:13	9:17	4	
57-6	59	17	24	7	
59	60-6	24	28	4	
60-6	62	28	35	7	
62	63	35	43	8	
63	64-6	43	50	7	
64-6	66	50	53	3	