

Mack C. Colt, Inc.

CRUDE OIL PRODUCTION

Box 388

ola, Kansas 66749

304 N. Jefferson

Phone (316) 365-3111

6-27-83

Lynn Watney
Kansas Geological Survey
University of Kansas
1930 Avenue A, Campus West
Lawrence, Kansas 66044

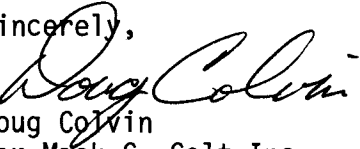
Dear Mr. Watney,

Please find enclosed, five (5) copies of gamma logs.
One each of the following wells:

1. Donovan 6A
2. Marshall 52A0
3. Lowe 20A0
4. Lowe 50A
5. S. Vezie 106A

Mr. Colt has written a letter to Dan Busch, to confirm
the sand zone names he gave to you last Thursday, concerning
the above mentioned wells.

Sincerely,


Doug Colvin
for Mack C. Colt Inc.

Encl. 5

OILFIELD RESEARCH LABORATORIES

LOG

Company Mack C. Colt, Inc. Lease South Vezie Well No. 106-A

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>SQUIRREL SANDSTONE</u>
817.0 - 819.0	Grayish light brown sandstone.
819.0 - 820.0	Grayish light brown slightly shaly sandstone with scattered fine gray shale inclusions.
820.0 - 821.0	Grayish light brown sandstone.
821.0 - 822.2	Grayish light brown shaly sandstone with scattered mica and gray shale inclusions.
822.2 - 823.0	Grayish light brown slightly shaly sandstone with scattered fine gray shale and mica partings.
823.0 - 824.0	Grayish light brown shaly sandstone with scattered fine gray shale and mica partings.
824.0 - 824.8	Grayish light brown slightly shaly sandstone.
824.8 - 826.5	Brown shaly sandstone with gray shale partings.
826.5 - 829.0	Brown sandstone with scattered gray shale and mica partings.
829.0 - 829.5	Gray and light brown laminated shale and sandstone.
829.5 - 830.0	Brown sandstone.
830.0 - 830.4	Gray and brown laminated shale and sandstone.
830.4 - 830.6	Brown sandstone.
830.6 - 831.1	Gray and brown laminated shale and sandstone.
831.1 - 832.3	Alternate layers gray shale and light brown sandstone.
832.3 - 832.7	Grayish light brown slightly shaly sandstone.
832.7 - 836.4	Gray and brown laminated shale and sandstone.
836.4 - 837.2	Light brown sandstone.
837.2 - 838.0	Light brown shaly sandstone with gray shale partings.
838.0 - 839.7	Light brown sandstone.
839.7 - 841.0	Brown slightly shaly sandstone with scattered gray shale partings.

OILFIELD RESEARCH LABORATORIES

Continued

LOG

<u>Depth Interval, Feet</u>	<u>Description</u>
841.0 - 846.0	Light brown sandstone.
846.0 - 851.9	Brown sandstone.
851.9 - 854.0	Dark gray shale.
854.0 - 856.0	Dark gray fossiliferous calcareous slickensided shale.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Mack C. Colt, Inc. Lease South Vezie Well No. 106-A

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	817.5	20.9	5	62	67	81	27.
2	818.5	20.2	6	61	67	94	31.
3	819.6	18.8	11	62	73	160	8.7
4	820.5	18.7	11	57	68	160	13.
5	821.5	17.3	9	59	68	121	4.7
6	822.6	19.3	6	60	66	90	8.7
7	823.6	15.4	7	76	83	84	2.6
8	824.5	17.2	5	74	79	67	6.5
9	825.6	17.3	20	56	76	268	5.2
10	826.6	19.6	6	56	62	91	15.
11	827.6	18.8	12	50	62	175	11.
12	828.7	19.6	13	56	69	198	20.
13	829.7	19.2	15	59	74	223	20.
14	830.5	19.0	14	49	63	206	12.
15	831.6	16.8	9	62	71	117	9.4
16	832.5	20.4	19	49	68	301	8.3
17	833.6	18.2	15	47	62	212	4.2
18	834.5	14.7	13	58	71	148	0.84
19	835.5	18.4	24	39	63	343	7.5
20	836.5	20.3	11	56	67	173	27.
21	837.5	17.6	30	57	87	410	3.3
22	838.5	20.2	11	46	57	172	41.
23	839.5	19.9	11	57	68	170	29.
24	840.5	18.5	17	55	72	244	9.4
25	841.6	19.1	20	49	69	296	15.
26	842.5	20.4	17	47	64	269	24.
27	843.5	21.1	30	41	71	491	44.
28	844.5	18.1	48	27	75	674	14.
29	845.5	18.3	35	49	84	497	14.
30	846.6	19.8	34	39	73	522	62.
31	847.5	21.4	42	32	74	697	58.
32	848.5	20.8	40	35	75	646	49.
33	849.5	20.0	38	38	76	590	52.
34	850.5	19.8	29	37	66	446	35.
35	851.5	19.3	36	48	84	539	58.

Top ss (column)
is 816

S. VEZIE 106A

817- 823 SS, fn, even gr, mica w/^{sl.} seat minute dead oil, fair sat.
has watered out appear.

823.7 Ibid w/ thinly interb sh, gry

824.6 SS, fn, even gr, fair sat, watered?

826.7 Ibid, w/ $\frac{1}{4}$ - $\frac{1}{2}$ " blk sh interbds.

829 SS, fn, even gr, w/ num. $\frac{1}{16}$ - $\frac{1}{8}$ " blk, wavy sh ptings, fair sat, watered?

829.5 Sh med gry

832 SS, fn even gr w/ num thin wavy interbeds & lam blk sh, watered.

838.5 Sh, med gry, w/ 50% ss interb and lam w/ blk sh, ss w/ fair sat ss: sh = 3:1

841 SS fn even gr w/ 2% seat wavy interl blk sh, fair sat, watered out?

847 SS " " " fair sat, partly wtr flooded?

851.9 Ibid w/ fair $\rightarrow$ good sat

854 Sh, dk gry

856 Ibid, w/ much slicken

CORES & INFORMATION FOR K. J.

CORE

DONOVAN 6A - DAB writeup & GAMMA-CORE writeup

MARSHALL 52A0 - DAB writeup & GAMMA-CORE writeup

LOWE 20A0 - DAB writeup & GAMMA-CORE writeup

LOWE 50A - DAB writeup & GAMMA-CORE writeup

SOUTH VERDE 10A0 - DAB writeup & Oil Field Research writeup,
SATURATION & PERMEABILITY TEST

- cores received 6/23/83 from Mark Colt
- will send complete gamma logs later
- Dan Bush may met to discuss correlations in the cores



4967

DANIEL A. BUSCH
PETROLEUM CONSULTANT
3757 SOUTH WHEELING AVENUE, TULSA, OKLAHOMA 74105

July 27, 1983

OFFICE PHONE (918) 743-5191

HOME PHONE (918) 747-5966

Mr. Lynn Watney
Chief, Subsurface Geology
Kansas Geological Survey
Lawrence, Kansas

Dear Lynn:

Mack Colt, of Iola, Kansas, has advised me that you would like to know what formations are producing oil in various cores from five wells in Allen and Anderson counties. They are as follows:

S. Vezie 106A - Squirrel	Prue of Okla.
Donovan 6A ---- Colony	Red Fork of Okla.
Marshall 52 AO Colony	Red Fork of Okla.
Lowe 20 AO ---- Burbank	Burbank of Okla.
Lowe 50A ----- Burbank	Burbank of Okla.

Although detailed "ties" have not been made with Louis Lukert's stratigraphic profile, published many years ago by the AAPG, these Oklahoma equivalents are very close. The Kansas and Oklahoma Bartlesville (below the Burbank) are the same.

If I can be of any help in identifying pay sandstones from any other M. C. Colt pools please feel free to let me know.

Sincerely yours,



Daniel A. Busch

Cc: Mr. Mack C. Colt
P. O., Box 388
Iola, Kansas 66749