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CONTINENTAL OIL COMPANY**PONCA CITY, OKLAHOMA
SEPTEMBER 27, 1951****CONTINENTAL OIL COMPANY
C. E. VINE "A" NO. 2 WELL
SOLOMON FIELD
ELLIS COUNTY, KANSAS**

A SIXTEEN-FOOT SECTION OF ARBUCKLE LIME FROM THE SUBJECT WELL HAS BEEN ROUTINELY TESTED. A TOTAL DEPTH OF 3488 FEET WAS REACHED WITH PERFORATIONS PLACED THROUGH THE INTERVAL 3444 FEET TO 3465 FEET. THE INITIAL POTENTIAL IS 1846 BARRELS PUMPING.

THREE IWS WERE DETERMINED THROUGH THIS CORE, AND THEIR VALUES ARE RECORDED ON THE DATA SHEET.

**R. J. CAVANAUGH
LABORATORY FOREMAN
PRODUCTION RESEARCH DIVISION
DEVELOPMENT AND RESEARCH DEPARTMENT**

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CONTINENTAL OIL COMPANY

CORE ANALYSIS REPORT

CORE SUMMARY

OPERATOR CONTINENTAL OIL COMPANY REPORT DATE 9-27-51 LABORATORY No. AAV
 WELL C. E. VINE "A" No. 2 PRELIMINARY REPORT TO _____
 FIELD SOLOMON ON _____
 COUNTY ELLIS STATE KANSAS REFERENCE ELEVATION 1936' DF
 LOCATION _____

CORE RECORDS

		5-1-51	5-1-51	5-3-51	5-4-51	5-4-51	5-5-51
DATE CORED		1	2	3	4	5	6
CORE No.		1	2	3	4	5	6
TYPE OF CORE		CONVEN.	CONVEN.	CONVEN.	CONVEN.	CONVEN.	CONVEN.
FORMATION		ARBUCKLE	ARBUCKLE	ARBUCKLE	ARBUCKLE	ARBUCKLE	ARBUCKLE
INTERVAL CORED: FROM	FEET	3446	3452	3460	3470	3475	3480
TO	FEET	3452	3460	3470	3475	3480	3488
RECOVERED	FEET	0	0	7	2	3	3.5
ANALYZED	FEET	0	0	7	2	3	3.5
TYPE DRILLING MUD		WATER BS.	WATER BS.	WATER BS.	WATER BS.	WATER BS.	WATER BS.
WEIGHT	#/GAL.	10.3	10.3	10.1	10.1	9.8	10.1
VISCOSITY	MARSH SEC.	38.5	38.5	60	60	60	63
WATER LOSS	cc/30'	10.4	10.4	12.4	12.4	12.4	7.4
PH		6+	6+	6+	6+	6+	6+
CHLORIDES	%	15	15	15	15	15	15
REPORTED OIL GRAVITY	°API	23	23	23	23	23	23

AVERAGES

FORMATION							
INTERVAL AVGD.: FROM	FEET						
TO	FEET						
PRODUCTIVE (2)	FEET						
NON-PRODUCTIVE	FEET						
CORE LOSS	FEET						
PROBABLE PRODUCTION							
POROSITY	%						
PERMEABILITY - HORZ.	MD.						
SATURATION:							
RESIDUAL OIL	% PORE SP.						
RESIDUAL WATER	% PORE SP.						
VACANT	% PORE SP.						
I.W.S. (3)	% PORE SP.						

WELL COMPLETION DATA

COMPLETED AT TD 3488'. PERFORATED 3444-3465' IN ARBUCKLE. IP 1846 BARRELS PUMPING.

CONTINENTAL OIL COMPANY

CORE ANALYSIS REPORT

RESULTS OF LABORATORY TESTS

OPERATOR CONTINENTAL OIL COMPANY WELL C. E. VINE "A" No. 2

LABORATORY No. AAV

SAMPLE NO.	DEPTH FEET	POROSITY %	PERMEABILITY TO AIR MILLIDARCY (1)		SATURATION % PORE SPACE				CHLORIDES OF CORE WATER 1000 PPM (4)	PROBABLE PRODUCTION (2)	FLUORESCENCE YELLOW
			HORIZONTAL	VERTICAL	OIL	WATER	VACANT	I.W.S. (3)			
ARBUCKLE FORMATION											
1	3460.5	10.9	0.6	-.1						NF	YELLOW
2	3461.5	18.6	6.7	5.6	26	69	5	23*	69	NCF	60% YELLOW
3	3462.5	18.4	0.4	0.3						NF	80% YELLOW
4	3463.5	28.0	82	57	51	33	16	13*	71	OIL	5% YELLOW
5	3464.5	4.2	2.9	0.4	47	41	12		178	NCF	80% PALE
6	3465.5	10.6	-.1	-.1	49	50	1		132	NF	20% YELLOW
7	3466.5	13.4	-.1	D	22	20	58		122	NF	20% PALE
8	3470.5	6.2	0.6	-.1	53	31	16		200	NF	30% PALE
9	3471.5	4.5	-.1	-.1						NF	30% PALE
10	3475.5	5.9	-.1	-.1						NF	80% PALE
11	3476.5	7.4	2.6	0.3	28	39	33		125	NCF	30% PALE
12	3477.5	13.4	42	28	24	37	39	NS	128	OIL	70% YELLOW
13	3480.5	7.0	1.0	0.2						NF	NONE
14	3481.5	19.0	-.1	-.1	39	50	11		73	NF	40% PALE
15	3482.5	18.4	7.3	-.1	15	48	37	34*	80	NCF	70% PALE
16	3483.5	0.7	-.1	-.1						NF	80% DULL

(1) "-" INDICATES 'LESS THAN'

(2) PROBABLE PRODUCTION IF COMPLETELY ISOLATED

(3) IRREDUCIBLE INTERSTITIAL WATER SATURATION. VALUES SHOWN IN TABLE ARE THOSE READ FROM ENCLOSED CURVE. POINTS ON CURVE ARE ACTUAL LABORATORY DETERMINATIONS

(4) EQUIVALENT SODIUM CHLORIDE.

* ACTUAL VALUES AS DETERMINED IN THE LABORATORY.

(D) DISINTEGRATED

(NF) NO FLOW

(NCF) NO COMMERCIAL FLOW

(NS) NO SAMPLE OR NO SEALED SAMPLE

(NA) NO ANALYSIS