State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

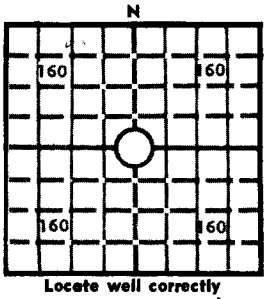
API No. 15 — 185 (County) — 20,599 (Number)

S. 12 T. 25 R. 13 E/W

Loc. NE SE NW

County Stafford

640 Acres
N



Locate well correctly

Elev.: Gr. 1916'

DF _____ KB 1924'

Operator
Continental Oil Company

Address
3535 NW 58th Street Oklahoma City, Oklahoma

Well No.	Lease Name
#4	P. Mather

Footage Location
1650 feet from (N) (S) line 2310 feet from (E) (W) line

Principal Contractor	Geologist
Aspen Drilling Co.	Pat Curth

Spud Date	Total Depth	P.B.T.D.
8-1-75	3120'	3101'

Date Completed	Oil Purchaser
9-8-75	Skelly Oil Co.

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4	8 5/8	23	333	Class H	225 175	2% gel, 3% Cacl 3% Cacl
Production	7 7/8	6	18	3127	50-50 Pozmix	150	2% gel, 3/4% CFR-2

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
None		

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	3096'	--------

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
4 (2 jets & 2 bullets)		3073-78'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Fraced w/3000 gel water pad, 5000 gals. 15% acid (90% HCl & 10% acetic) & displaced w/2000 gals gel water	3073-78'

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
8-30-75	Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	8 bbls.	---- MCF	20 bbls.	---------- CFPB

Disposition of gas (vented, used on lease or sold)	Producing interval(s)
----------	3073-78'

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

C-10-1972

Operator

Continental Oil Company

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Oil

Well No. 4

Lease Name P. Mather

S 12 T 25S R 13 E/W

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Cored from 3050 to 3093'				
Shale	3050	3052 1/2'	Tarkio	2755'
Limestone	3052 1/2	3054	Willard	2780'
Shale	3054	3062	Burlingame	2927'
Limestone	3062	3067 1/2'	Howard	2965'
Shale	3067 1/2	3067 3/4	Topeka	3060'
Limestone	3067 3/4	3071		
Shale	3071	3073	TD	3120'
Limestone	3073	3093		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

SEP 18 1975

STATE GEOLOGICAL SURVEY OF KANSAS

Marshall L. Ildermaster

Signature

Engineer

Title

9-17-75

Date

WICHITA, KANSAS

DRILLERS WELL LOG

12-25-13W

Date Commenced: August 1, 1975
Date Completed: August 10, 1975

Aspen Drilling Co.
MATHER #4
NE SE NW Sec. 12-T25S-R13W
Stafford County, Kansas

15-185-20,599

Surface sand & shale	200'
Shale & shells	335'
Shale & lime	744'
Anhydrite	763'
Shale & shells	875'
Redbed & shale	1,150'
Shale & lime	1,445'
Shale, lime, & salt	1,789'
Lime & shale	2,285'
Lime	2,357'
Lime & shale	2,927'
Lime	3,040'
Lime & shale	3,050'
Core	3,093'
Lime	3,130'
T.D.	3,130'

RECEIVED
STATE CORPORATION COMMISSION

AUG 14 1975

CONSERVATION DIVISION
Wichita, Kansas

Surface casing: Set 8 jts. of 8 5/8" 23# surface casing at 33' w/225 sx. of common cement - 3% calcium chloride and 2% gel.
No DST's
Ran 106 jts. of 6" 18# casing and cemented w/150 sx. 50/50 pozmix. Plug down at 4:00 a.m. 8-10-75.

RECEIVED
1975
STATE GEOLOGICAL SURVEY OF KANSAS

STATE OF KANSAS)
) ss
COUNTY OF BARTON)

Norman H. Cook of lawful age, does hereby swear and state that the facts and statements contained herein are true and correct to the best of his knowledge.

Norman H Cook
Norman H. Cook

Subscribed and sworn to before me this 13th day of August, 1975.

ARLENE BAILEY
NOTARY PUBLIC
Barton County, Kansas
My Commission Expires
Dec. 30, 1978

Arlene Bailey
Arlene Bailey - Notary Public

My commission expires December 30, 1978.