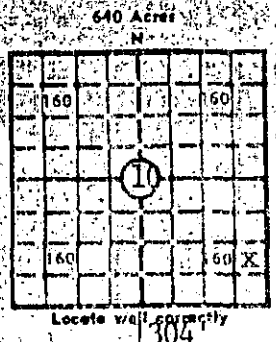


KANSAS DRILLERS LOG

S. 10 T. 32SR R. 8E W
 Loc. SE
 County Chautauqua

API No. 15 019 20956-0000
 County Chautauqua Number 20956-0000
 Operator Paul Koberdanz
 Address 304 Park/Harvey Center, Oklahoma City, Oklahoma 73102
 Well No. 3 Lease Name MK AND O
 Location 954 FBL 330 442 FEL 200-58-478/14
 Principal Contractor B+N Drilling Geologist Paul E. Koberdanz
 Well Date Drilling completed Total Depth 1788 P.B.T.D. 1780'
 Oil Purchaser Total Petroleum



Elev.: Gr. 1304
 DF 1308' KB 1309'

CASING RECORD

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

Number of strings set	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
surface	9-7/8	7		102-62		50	3% C.C.
Production	6 1/4	4 1/2	9.50	1787	Poz mix	75	12% salt

LINER RECORD

PERFORATION RECORD

Size (in.)	Sacks cement	Shots (1/2 lb.)	Size of type	Depth interval
2 3/8	1721	None		1736-44

ACID, FRACTURE, SHOT, CEMENT SOURCE RECORD

Amount and kind of material used	Depth interval (ft.)
200 gals. mva acid	1734-44'
1000 gals. gelled KCl water and 1000# sand	1734-44'

INITIAL PRODUCTION

Completion and start of first production April 13, 1979 Producing method (flowing, pumping, gas lift, etc.) Pumping
 Kind of production Oil 3 bbls. Gas 30 MCF Water 57 bbls. Gas-oil ratio 10,000 cfbp
 Producing interval(s) 1734-44 (Layton)
 Status Sold

RECEIVED
 JUN-18-2012
 KCC WICHITA

This log shall be recorded in KCC Rule 21-2-125, within 30 days after completion of a well, and completed copy of this Drillers Log shall be furnished to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation and Environment, 3330 So. Main St., Emp. Bldg. 17027, Wichita, Kansas 67211. Phone AC 316-522-2200. If confidential certified copies are desired, call 316-522-2200. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas.

Operator Paul Koberdanz		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 3	Lease Name MKO	Gas and Oil
S 10 T 32S R 8E 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
soil	0	2		
lime	2	5		
shale w/lime	5	27		
lime	27	31		
shale w/lime	31	81		
lime	81	84		
shale w/lime	84	102		
lime	102	103		
shale w/lime	103	120		
lime	121	124		
shale w/lime	124	391		
lime	391	392		
shale w/lime	392	458		
lime	458	460		
shale w/lime	460	466		
lime	466	480		
shale w/lime	480	527		
lime	527	531		
shale w/lime	531	637		
lime	637	649		
shale w/lime	649	651		
lime	651	657		
shale w/lime	657	666		
lime	666	712		
shale w/lime	712	717		
lime	717	719		
shale w/lime	719	837		
lime	837	851		
shale w/lime	851	862		
lime w/shale	862	868		
lime	868	921		
shale w/lime	921	970		
lime	970	980		
shale w/lime	980	1047		
lime	1047	1054		
shale w/lime	1054	1128		
lime	1128	1135		
shale w/lime	1135	1307		
lime	1307	1314		
shale w/lime	1314	1381		

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

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JUN 18 2012
KCC WICHITA

Date Received	 Signature
	Title
	June 6, 1979 Date

Paul Kloberdanz
Drillers log
Page 2 of 2
MKO Well No. 3

sandy lime	1381	1408
shale w/lime	1408	1502
lime w/shale	1502	1539
shale w/lime	1539	1710
sandy lime	1710	1767
shale w/lime	1767	1788

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JUN 18 2012
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