

DRILLERS LOG

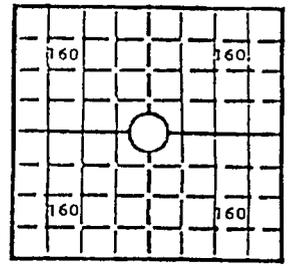
S. 36 T 28S R. 16E W

Loc. NE NW SW

County Wilson

API No. 15 - 205 - 24535
County Number

640 Acres



Operator
Kelt Energy Inc.

Address
900 College Ave. Ind. Ks. 67301

Well No. **KCAU 27** Lease Name **Umbarger** Well Files

Footage Location
feet from (N) (S) line _____ feet from (E) (W) line _____

Principal Contractor **McPherson Drilling** Geologist _____

Spud Date **8-8-87** Total Depth **1010** P.B.T.D. _____

Date Completed **11-87** Oil Purchaser _____

Elev.: Gr. _____
DF _____ KB _____

CASING RECORDS DIVISION

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

JAN 27 1988

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	CONSERVATION DIVISION Wichita, Kansas	Sacks	Type and percent additives
SURFACE	9 1/2	7"	20	20'	Portland	5	
PRODUCTION	5 1/4						

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.

672-692 Core
941-961 Core

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
Soil	0	3	Lime	430	435	Shale	702	710
Clay	3	10	Shale	435	446	Sandy Shale	710	731
Shale	10	27	Lime	446	457	Laminated Sand	731	742
Lime	27	33	Sandy Shale	457	469	Sandy Shale	742	788
Sand	33	67	Shale	469	488	oil Sand	788	834
Shale	67	72	Sand	488	502	Lime	834	836
Sand	72	86	Laminated Sand	502	518	Laminated Sand	836	851
Lime	86	88	Sandy Shale	518	553	Shale	851	869
Sand	88	104	Pink Lime	553	556	Sandy Lime	869	877
Lime	104	100	Shale Break	556	560	Shale	877	886
Shale	110	146	Pink Lime	560	584	Lime	886	888
Lime	146	149	Sandy Shale	584	602	Shale	888	914
Shale	149	151	oil Sand	602	605	Sandy Shale	914	920
Lime	151	237	Shale	605	623	Lime	920	922
Sandy Shale	237	242	Oswego Lime	623	643	Sandy Shale	922	940
Shale	242	274	Shale	643	649	oil Sand	940	942
Lime	274	296	2nd Oswego	649	657	Laminated Sand	942	943
Shale	296	300	Shale	657	662	oil Sand	943	944
Lime	300	350	3rd Oswego	662	667	Laminated Sand	944	945
Shale	350	391	Shale	667	672	oil Sand	945	946
Shale & Lime	391	397	Laminated Sand	672	675	Laminated Sand	946	1010
Shale	397	415	oil Sand	675	683	TD		
Lime	415	419	Laminated Sand	683	690			
Shale	419	430	Sandy Shale	690	702			