DRILLERS LOG

API NO: 15 - 001 - 30836 - 00 - 00

OPERATOR: COLT ENERGY, INC

ADDRESS: P.O. BOX 388, IOLA, KS 66749

WELL #: T 7 LEASE NAME: KNOX

FOOTAGE LOCATION: 540 FEET FROM (N) (S) LINE 1095 FEET FROM (E) (W) LINE

CONTRACTOR: FINNEY DRILLING COMPANY

SPUD DATE: 7/10/2014

DATE COMPLETED: 7/14/2014

S. 23 T. 25 R. 19 E. W.

LOCATION: W2 W2 NE NE

COUNTY: ALLEN

ELEV. GR.: 1064 71

DF: KB:

GEOLOGIST: REX ASHLOCK

TOTAL DEPTH: 990 P.B.T.D.

OIL PURCHASER: COFFEYVILLE RESOURCES CRUDE TRANSPORTATION

CASING RECORD

REPORT OF ALL STRINGS - 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 % ADDITIVES
SURFACE:	12.2500	8.6250	28	21.50	I	10	SERVICE COMPANY
PRODUCTION:	6.7500	4.5	10.5	983.75 w/Shoe	OWC	133	ELITE

WELL LOG

CORES: #1 - 785 - 802

RECOVERED:

ACTUAL CORING TIME:

RAN: 1 - 5ft FLOAT SHOE
5 - CENTRALIZERS
1 - CLAMP

USED: 2 GALLONS POLY PLUS

FORMATION	TOP	BOTTOM
TOP SOIL	0	2
CLAY	2	11
LIMESTONE	11	40
SHALE	40	58
LIME	58	61
SHALE	61	67
LIME	67	74
SHALE	74	121
LIME	121	124
SHALE & LIME	124	131
SHALE	131	139
KC LIME	139	198
SHALE	198	204
LIME	204	225
SHALE	225	229
LIME	229	251
SHALE	251	389
LIME	389	392
SHALE & SAND	392	442
LIME	442	469
SAND & SHALE	469	483
LIME	483	486
SHALE	486	541
LIME	541	544
SHALE	544	547
LIME	547	570
SHALE	570	614
LIME	614	618
SHALE	618	620
LIME	620	628
SHALE	628	634
SHALE & LIME	634	638
SHALE	638	641
LIME	641	647
SHALE & SAND	647	705
SAND	705	718
BLACK SHALE & COAL	718	722
SHALE	722	735
LIME	735	737
BLACK SHALE & COAL	737	742
SHALE & COAL	742	784
OIL SAND	784	800

FORMATION	TOP	BOTTOM
SHALE	800	834
SAND & SHALE LT ODOR	834	856
OIL SAND	856	868
COAL	868	870
DARK SHALE	870	930
SAND & SHALE LT ODOR	930	952
COAL	952	954
DARK SHALE	954	990 T.D.