DRILLERS LOG

API NO: 15 - 001 - 30568 - 00 - 00

OPERATOR: COLT ENERGY, INC

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

WELL #: 14 - 9 LEASE NAME: KIRK

S. 9 T. 24 R. 18 E. W.

LOCATION: E2 E2 SE SW

COUNTY: ALLEN

ELEV. GR.: 1021

DF: KB:

FOOTAGE LOCATION: 660 FEET FROM (N) (S) LINE 2700 FEET FROM (E) (W) LINE

CONTRACTOR: FINNEY DRILLING COMPANY

GEOLOGIST: REX ASHLOCK

SPUD DATE: 12/4/2012

TOTAL DEPTH: 1146 P.B.T.D.

DATE COMPLETED: 12/12/2012

OIL PURCHASER: COFFEYVILLE RESOURCES

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	23	20	I	10	SERVICE COMPANY
PRODUCTION:	6.7500	PLUG WELL					

WELL LOG

CORES: #1 - 939 - 968
#2 - 1020 - 1038

RAN: 109

RECOVERED:

ACTUAL CORING TIME:

PLUG WELL
PUMP CEMENT FROM 1130 TO 800
PUMP 50ft PLUG @ 550
PUMP CEMENT FROM 250 TO SURFACE

FORMATION	TOP	BOTTOM
TOP SOIL	0	2
LIME & SHELL	2	15
LIME	15	32
SAND SHALE	32	99
LIME	99	148
SHALE	148	218
KC LIME	218	285
SHALE	285	288
KC LIME	288	313
SHALE	313	316
KC LIME	316	340
BIG SHALE	340	512
LIME	512	515
SAND & SHALE	515	536
LIME	536	544
SAND & SHALE	544	559
SHALE & LIME	559	568
SHALE	568	599
LIME	599	602
SHALE	602	610
LIME	610	619
SAND SHALE	619	645
LIME	645	679
SHALE	679	694
SAND & SHALE	694	725
LIME	725	727
SHALE	727	813
SAND odor	813	870
SHALE	870	909
SAND & SHALE	909	928
SAND odor	928	1062
SAND & SHALE	1062	1096
MISSISSIPPI LIME	1096	1146 T.D.

FORMATION	TOP	BOTTOM