DRILLERS LOG

API NO: 15 - 031 - 23365 - 00 - 00

OPERATOR: COLT ENERGY, INC

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

WELL #: K 9 LEASE NAME: GLEUE TRUST, E&I (852)

S. 36 T. 22 R. 16 E. W.

LOCATION: SW NW SW SE

COUNTY: COFFEY

ELEV. GR.: 1009

DF: KB:

FOOTAGE LOCATION: 825 FEET FROM (N) (S) LINE 2475 FEET FROM (E) (W) LINE

CONTRACTOR: FINNEY DRILLING COMPANY

GEOLOGIST: REX ASHLOCK

SPUD DATE: 11/13/2012

TOTAL DEPTH: 1071 P.B.T.D.

DATE COMPLETED: 11/16/2012

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	29	42.55	OWC	31	SERVICE COMPANY
PRODUCTION:	6.75	4.5	10.5	1059	OWC	118	SERVICE COMPANY

WELL LOG

CORES: #1 - 961 - 973

RAN:

RECOVERED:

ACTUAL CORING TIME:

FORMATION	TOP	BOTTOM
TOP SOIL	0	4
CLAY	4	28
SAND & GRAVEL	28	36
SHALE	36	180
LIME	180	232
SHALE	232	251
LIME	251	252
SHALE	252	264
LIME	264	267
SHALE	267	268
LIME	268	272
SHALE	272	274
LIME	274	285
SHALE	285	303
LIME	303	329
SHALE	329	335
LIME	335	343
SHALE	343	351
LIME	351	418
SHALE	418	421
LIME	421	422
SHALE	422	428
LIME	428	430
RED BED SHALE	430	440
SHALE	440	449
LIME	449	455
SHALE	455	470
KC LIME	470	529
SHALE	529	536
KC LIME	536	558
SHALE	558	564
KC LIME	564	585
BIG SHALE	585	749
LIME	749	753
SHALE SAND & LIME	753	765
SHALE	765	774
LIME	774	783
SHALE	783	790
LIME	790	795
SAND & SHALE	795	835
LIME	835	837

FORMATION	TOP	BOTTOM
SHALE	837	841
LIME	841	849
SHALE	849	868
LIME	868	871
SHALE	871	874
SAND & SHALE	874	887
LIME	887	894
SHALE	894	910
LIME	910	911
SHALE	911	912
LIME	912	916
SHALE	916	924
LIME	924	928
SHALE	928	958
CAP LIME	958	960
SAND & SHALE	960	962
CAP LIME	962	964
SAND OIL	964	968
SAND & SHALE	968	972
SHALE	972	1023
LIME	1023	1025
SHALE	1025	1058
LIME	1058	1059
SHALE	1059	1071 T.D.