DRILLERS LOG

API NO: 15 - 001 - 30843 - 00 - 00

OPERATOR: COLT ENERGY, INC

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

WELL #: E - 3 LEASE NAME: CLINE

FOOTAGE LOCATION: 399 FEET FROM (N) (S) LINE 730 FEET FROM (E) (W) LINE

CONTRACTOR: FINNEY DRILLING COMPANY

SPUD DATE: 5/29/2014

DATE COMPLETED: 6/4/2014

S. 16 T. 24 R. 18 E. W.

LOCATION: SE NW NE NE

COUNTY: ALLEN

ELEV. GR.: 963

DF: KB:

GEOLOGIST: JIM STEGMAN

TOTAL DEPTH: 1020 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	22.40	I	10	SERVICE COMPANY
PRODUCTION:	6.7500	4.5	10.5	1012.25	OWC		ELITE

WELL LOG

CORES: #1 - 878 - 908

RECOVERED:

ACTUAL CORING TIME:

RAN: 4 - CENTRALIZERS
1 - 5ft FLOAT SHOE
1 - CLAMP

USE 1.5 GALLON POLY PLUS

FORMATION	TOP	BOTTOM
TOP SOIL	0	2
CLAY	2	14
GRAVEL	14	19
LIME	19	20
SHALE	20	24
LIME	24	31
SHALE	31	47
LIME	47	74
SAND & SHALE	74	88
LIME	88	98
SHALE	98	122
LIME	122	132
SHALE	132	180
LIME	180	250
SHALE	250	256
LIME	256	278
SHALE	278	284
LIME	284	290
SHALE	290	294
LIME	294	296
SAND & SHALE	296	472
SHALE & LIME	472	495
LIME	495	507
SAND & SHALE	507	561
SHALE & LIME	561	573
LIME	573	576
SHALE & LIME	576	582
LIME	582	589
SAND & SHALE	589	592
LIME	592	593
SAND & SHALE	593	604
LIME	604	637
SHALE	637	641
LIME	641	644
SHALE	644	684
LIME	684	686
SHALE	686	709
LIME	709	710
SAND & SHALE	710	868
OIL SAND & SHALE	868	898

FORMATION	TOP	BOTTOM
WATER SAND	898	997
LIME	997	999
SHALE SAND	999	1020 T.D.