DRILLERS LOG

API NO: 15 - 001 - 31122 - 00 - 00

OPERATOR: COLT ENERGY, INC

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

WELL #: W 8 LEASE NAME: KNOX

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

LOCATION: NW NW NE NE

COUNTY: ALLEN

ELEV. GR.: 1067

DF: KB:

FOOTAGE LOCATION: 220 FEET FROM (N) (S) LINE 1100 FEET FROM (E) (W) LINE

CONTRACTOR: FINNEY DRILLING COMPANY

GEOLOGIST: REX ASHLOCK

SPUD DATE: 7/15/2014

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

DATE COMPLETED: 7/16/2014

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	20	I	10	SERVICE COMPANY
PRODUCTION:	6.7500	4.5	10.5	979.75	OWC	127	ELITTE

WELL LOG

CORES: #1 - 787 - 801

RECOVERED:

ACTUAL CORING TIME:

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

USE: 3 GALLONS POLY PLUS

FORMATION	TOP	BOTTOM
TOP SOIL	0	3
CLAY	3	14
LIME	14	45
SHALE	45	70
LIME	70	77
SHALE	77	143
KC LIME	143	201
SHALE	201	207
KC LIME	207	224
SHALE	224	229
KC LIME	229	259
SHALE	259	444
SHALE & LIME & SAND	444	452
SAND & SHALE	452	465
LIME	465	470
SAND & SHALE	470	543
LIME	543	545
SHALE	545	549
SHALE & LIME	549	581
SAND & SHALE	581	617
LIME	617	632
SHALE	632	636
LIME	636	638
SHALE	638	644
LIME	644	650
SHALE	650	652
LIME	652	653
SAND & SHALE	653	655
LIME	655	656
SAND & SHALE	656	704
SAND	704	721
COAL	721	723
SHALE	723	737
LIME	737	739
BLACK SHALE & COAL	739	744
SHALE	744	770
COAL	770	772
SANDY SHALE	772	783
COAL	783	785
SAND LT ODOR, LT SO	785	799
SHALE	799	824
COAL	824	826

FORMATION	TOP	BOTTOM
BLACK SHALE	826	834
SHALE	834	854
SAND & SHALE LT ODOR	854	868
SAND LT ODOR	868	874
COAL	874	876
SHALE	876	931
SAND & SHALE	931	936
SAND LT ODOR	936	945
SHALE	945	954
COAL	954	955
SHALE	955	990 T.D.