DRILLERS LOG

API NO: 15 - 001 - 30846 - 00 - 00

OPERATOR: COLT ENERGY, INC

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

WELL #: FG - 4 LEASE NAME: CLINE

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

LOCATION: SW SW NE NE

COUNTY: ALLEN

ELEV. GR.: 953

DF: KB:

FOOTAGE LOCATION: 1030 FEET FROM (N) (S) LINE 1005 FEET FROM (E) (W) LINE

CONTRACTOR: FINNEY DRILLING COMPANY

GEOLOGIST: REX ASHLOCK

SPUD DATE: 7/7/2014

TOTAL DEPTH: 1000 P.B.T.D.

DATE COMPLETED: 7/9/2014

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	24.05	I	10	SERVICE COMPANY
PRODUCTION:	6.7500	4.5	10.5	973.15	OWC	141	ELITE

978.15

WELL LOG

CORES: #1 - 880 - 905

RECOVERED:

ACTUAL CORING TIME:

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

USED: 3 GALLONS POLY PLUS

FORMATION	TOP	BOTTOM
TOP SOIL	0	3
CLAY	3	17
GRAVEL	17	22
SHALE	22	24
LIME	24	72
SHALE	72	107
LIME	107	114
SHALE	114	150
KC LIME	150	214
SHALE	214	220
KC LIME	220	243
SHALE	243	249
KC LIME	249	273
SHALE	273	293
SAND & SHALE	293	410
LIME & SHALE	410	416
SHALE	416	441
LIME & SHALE	441	459
LIME	459	468
SAND & SHALE	468	469
LIME	469	478
SHALE	478	492
SAND & SHALE	492	501
LIME	501	503
SAND & SHALE	503	543
LIME	543	565
SHALE	565	568
LIME	568	573
SAND & SHALE	573	589
LIME	589	623
SHALE	623	627
LIME	627	631
SAND & SHALE	631	668
LIME	668	670
SHALE	670	693
LIME	693	695
SAND & SHALE	695	769
SAND	769	783
SAND & SHALE	783	854
LIME	854	856
SAND & SHALE	856	869

FORMATION	TOP	BOTTOM
SAND	869	882
OIL SAND	882	905
SAND	905	950
LIME	950	953
WATER SAND	953	1000 T.D.