DRILLERS LOG

API NO.: 15 - 125 - 31950 - 00 - 00 | S. 18 | T. 34 | R. 15 | E. | W.

OPERATOR: DEER RUN OIL LEASE, LLC | LOCATION: SW NW NW SW

ADDRESS: 2322 CR 1425, CANEY, KS 67333 | COUNTY: MONTGOMERY

WELL #: DR-2 | LEASE NAME: SNELL | ELEV. GR. 827 Estimated | DF 2.5 | KB 5

FOOTAGE LOCATION: 2068 FEET FROM (N) (S) LINE 5134 FEET FROM (E) (W) LINE

CONTRACTOR: FINNEY DRILLING COMPANY | GEOLOGIST: JIM NUNNELEY

SPUD DATE: 4/13/2010 | TOTAL DEPTH: 640

DATE COMPLETED: 4/15/2010 | OIL PURCHASER: PACER

CASING RECORD

REPORT OF ALL STRINGS - *SURFACE*, ~~INTERMEDIATE,~~ *PRODUCTION*, ETC

PURPOSE	SIZE OF HOLE	SIZE OF CASING	WEIGHT LBS/FT	SETTING DEPTH	TYPE CEMENT	SACKS	TYPE AND % ADDITIVES
SURFACE:	12 1/4	7	19	20.93	I	8	SERVICE COMPANY
PRODUCTION:	5 7/8	2 7/8 8rd	6.5	631.47	50-50	97	SERVICE COMPANY

WELL LOG

CORES: #1 - 568 - 575

RECOVERED: 7'

ACTUAL CORING TIME: 3 MIN

RAN: 1 CLAMP, 1 6 FOOT SUB

3 CENTRALIZERS: 3rd JOINT, 9th JOINT, 18th JOINT

1 COLLAR

1 FLOAT SHOE FLAPPER TYPE

FORMATION	TOP	BOTTOM
TOP SOIL	G.L.	3
CLAY	3	6
SAND	6	14
SHALE	14	17
SHALE & GRAVEL	17	20.93
SHALE	20.93	22
LIME	22	23
SHALE	23	87
LIME	87	89
SHALE	89	91
LIME	91	96
SHALE	96	105
LIME	105	106
SHALE	106	191
LIME	191	193
SHALE	193	289
LIME	289	292
SDY LIMESTONE	292	296
LIMESTONE	296	297
SHALE	297	354
SAND & SHALE	354	387
LIMESTONE	387	389
SAND	389	417
SAND & SHALE	417	459
SHALE	459	519
SAND & SHALE	519	526
BLACK SHALE	526	530
LIMESTONE	530	531
SHALE	531	538
LIMESTONE	538	540
SHALE	540	554
LENAPAH LIMESTONE	554	556
SHALE	556	558
LIMESTONE	558	564
OIL SAND	564	566
SAND	566	568
OIL SAND	568	579

SURFACE

FORMATION	TOP	BOTTOM
SHALE	579	581
OIL SAND	581	586
SHALE	586	613
SAND & SHALE	613	631
SHALE	631	634
ALTAMONT LIMESTONE	634	640 T.D.