

RECEIVED
STATE CORPORATION COMMISSION

107 3 1988
CONSERVATION DIVISION
Wichita, Kansas

13-16-20E

Evans Energy Development, Inc.
310 N. Hospital Drive
Paola, Kansas 66071

WELL LOG
Harshberger #1 April 28 - May 6, 1988
Evans Energy Development, Inc. & Cobb

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
6	soil & clay	6
23	lime	29
8	shale	37
9	lime	46
5	shale	51
17	lime	68
40	shale	108
18	lime	126
79	shale	205
30	lime	235
13	shale	248
6	lime	254
28	shale	282
11	lime	293
6	shale	299
2	lime	301
15	shale	316
24	lime	340
8	shale	348
24	lime	372
4	shale	376
14	lime	390
47	shale	437
7	sand	444
149	shale	593
4	lime	597
9	shale	606
8	lime	614
8	shale	622
2	lime	624
1	shale	625
2	lime	627
5	shale	632
2	lime	634
9	shale	643
6	lime	649
4	shale	653
1	broken sand	654 black sand & white shale
1	shale	655 no show, thin limestone seams
2.5	broken sand	657.5 black, slight oil show
.5	shale	658 no show
6	shale	664 few sand laminations-black

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

13-16-20E

Harshberger #1

5	broken sand	669	black sand-dry & white shale
26	shale	695	
1	lime	696	
9	shale	705	
1	broken sand	706	black sand & brown sand, trace oil
1	sand	707	brown bleeding oil
2	broken sand	709	slight oil bleeding
2	sand	711	good sand, good saturation
5	broken sand	716	mostly shale, widely scattered sand
8	shale	724	seams
23	shale	747	
2	coal	749	
7	shale	756	
2	lime	758'	
1	coal	759	
87	shale	846	
1	broken sand	847	black, hard
1.5	lime	848.5	
9.5	broken sand	858	black sand & white sandy shale, slight
6	shale	864	T.D. heavy oil show

Set 735.95' 2 7/8" pipe (8 round upset)

Set 20' surface casing

Set top of seating nipple at 702.0'

Bartlesville Core Times

1st Squirrel Core Times

	<u>Min.</u>	<u>Sec.</u>		<u>Min.</u>	<u>Sec.</u>
848	3	10	655	1	10
849	3	55	656		45
850		50	657		50
851	1	00	658		50
852	1	05	659	1	05
853		55	660		50
854	1	05	661	1	00
855	1	05	662	1	00
856	1	05	663	1	00
857	1	00	664	1	10
858	1	05	665	1	00
859	1	10	666		45
860	1	10	667	1	10
861	1	25	668	1	10
862	1	45	669	1	10
863	1	40	670	1	05
864	1	35	671	1	20
865	1	35	672	1	25
			673	1	20

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Harshberger #1

2nd Squirrel Core Times

	<u>Min.</u>	<u>Sec.</u>
707		50
708		50
709		50
710		40
711		40
712		50
713		50
714		55
715	1	00
716	1	00
717	1	05
718	1	05
719	1	10
720	1	15
721	1	20
722	2	20
723	2	00
724	1	55