

13-16-20E

Fac

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 8509
Name Evans Energy Development Inc.
Address 310 N. Hospital Drive
City/State/Zip Paola, Kansas 66071

Purchaser Enron

Operator Contact Person Scott A. Evans
Phone 913-294-9083

Contractor: License # 8509
Name Company Tools

Geologist
Phone

Designate Type of Completion

New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
May 6, 1988 May 9, 1988 Delayed Comp
Spud Date Date Reached TD Completion Date
764' PBD
Total Depth

Amount of Surface Pipe Set and Cemented at 20 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 746.5 feet depth to surface w/ .87 SX cmt
Cement Company Name Consolidated Oil Well Services
Invoice # 00093188

API NO. 15-059-24,335
County Franklin
SW SW SW Sec. 13 Twp. 16 Rge. 20 East
330 FSL ! S013 FGL-KCC
330 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Harshberger Well # 2
Field Name LeLoup
Producing Formation Lower Squirrel
Elevation: Ground KB

Section Plat

DEC 06 1988

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KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

Section Plat grid with elevations: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

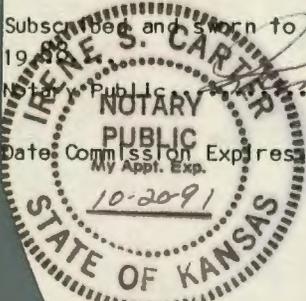
Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West
 Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West
Other (explain)
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Scott A. Evans
Title President Date November 11, 1988

Subscribed and sworn to before me this 18th day of November 1988
Irene S. Carter
Date Commission Expires 10-20-91



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Sec. 13 Twp. 16 Rge. 20E

Operator Name ...Evans Energy Development, Inc. Lease Name...Harshberger... Well #2

Sec...13... Twp...16... Rge...20... East West County...Franklin

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
Base of K.C.		395
Base of Fort Scott		649
Upper Squirrel	652	656
Lower Squirrel	705	712

Upper Squirrel Core Description

652-653, broken sand, black oil sand & light grey shale
 653-656, broken sand, black, slight oil bleeding
 656-667, shale

Lower Squirrel Core Description

705-712, sand, clean, slight oil show, gas
 712-723, shale

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
..surface.....	9"	6 5/8"		20'	Portland "A"	4	3% Calcium Chloride
..production....	5 1/8"	2 7/8"	6.5	746.5	Portland "A"	87	2% Gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used		Depth	
.....	
.....	
.....	
.....	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer at					
.....					
Date of First Production		Producing Method					
.....		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
.....	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled



13-16-20E

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

WELL LOG
 Harshberger #2 May 6-9, 1988
 Evans Energy Development, Inc. & Cobb

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
10	soil & clay	10
26	lime	36
8	shale	44
9	lime	53
6	shale	59
17	lime	76
34	shale	110
23	lime	133
85	shale	218
27	lime	245
10	shale	255
5	lime	260
18	shale	278
2	lime	280
7	shale	287
12	lime	299
6	shale	305
2	lime	307
16	shale	323
24	lime	347 (327-330 oil show, some porosity)
7	shale	354
25	lime	379
3	shale	382
13	lime	395 hertha
168	shale	563
9	lime	572
7	shale	579'
3	lime	582
3	shale	585
2	lime	587
5	shale	592
7	lime	599
14	shale	613
4	lime	617
7	shale	624
6	lime	630
4	shale	634
2	lime	636
5	shale	641
1	lime	642
1	shale	643
6	lime	649 (643-645 oil show, tight, base of Fort Scott)
3	shale	652

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CONSERVATION DIVISION
 Wichita, Kansas

MINERAL SURVEY

13-16-20E

Harshberger #2

1	broken sand	653	black oil sand & white shale
3	broken sand	656	black, slight oil & gas show
11	shale	667	
28	shale	695	
2	lime	697	
8	shale	705	few pieces black sand 704-705
7	sand	712	some oil show & gas, fairly clean
11	shale	723	
41	shale	764	T.D.

Set 746.5' pipe (10 round upset)
Set 20' surface casing

1st Squirrel Core Times

	<u>Min.</u>	<u>Sec.</u>
654		50
655		45
656		50
657	1	00
658	1	00
659	1	10
660	1	10
661	1	20
662	1	25
663	1	20
664	1	20
665	1	20
666	1	25
667	1	20

2nd Squirrel Core Times

	<u>Min.</u>	<u>Sec.</u>
706		35
707		50
708		45
709		40
710		50
711		45
712		45
713		55
714		55
715		55
716	1	00
717	1	00
718		50
719	1	10
720	1	05
721	1	25
722	1	30
723	1	40

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