

20-14-20E

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

5, C

API NO. 15-091-21866  
County Johnson  
SE NE SW Sec. 20 Twp. 14 Rge. 22 East West

Operator: License # 03113  
Name Martin Oil Properties  
Address P.O. Box 18423  
City/State/Zip Okla. City, OK 73154

1540 Ft North from Southeast Corner of Section  
3210 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser Enron

Lease Name E. Morris Well # 9

Operator Contact Person Dean Kramer  
Phone (913) 883-4871

Field Name

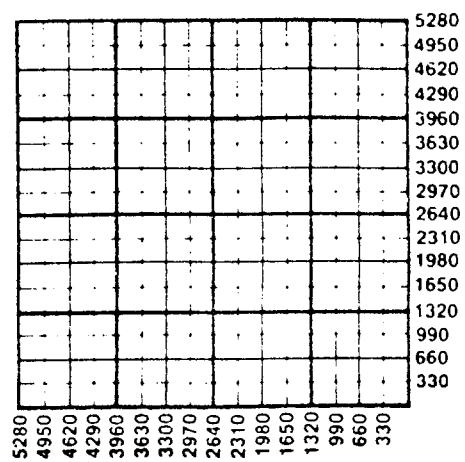
Producing Formation Bartlesville Sandstone

Contractor: License # 5335  
Name Hawkeye Drilling Co.

Elevation: Ground KB

Wellsite Geologist  
Phone

Section Plat



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

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

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable

8-24-87 8-31-87 10-21-87  
Spud Date Date Reached TD Completion Date  
980' 968.20'  
Total Depth PBTD

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. #)

Amount of Surface Pipe Set and Cemented at 60 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt  
Cement Company Name  
Invoice #

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.

20-14-200

Operator Name Martin Oil Properties Lease Name E. Morris Well # 9

Sec. 20 Twp. 14 Rge. 22  East  West County Johnson

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

Bartlesville Sandstone  
 Attached

Name Top Bottom

Attached

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	20 Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

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

CASING RECORD  New  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	6 5/8"	6"		60'		20	
Production	5 1/8"	2 7/8"		968.20'		35	

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
3	897' - 902'	Oil Frac	
	Total shots - 16		

TUBING RECORD Size 2 7/8" Set At 968.20' Packer at Liner Run  Yes  No

Date of First Production Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

## Oilfield Research Laboratories

## RESULTS OF SATURATION &amp; PERMEABILITY TESTS

TABLE 1

Company Martin Oil Properties Lease East Morris Well No. 9

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	896.5	19.6	44	34	78	669	7.7
2	897.5	26.8	34	35	69	707	20.
3	898.5	20.9	52	16	68	843	107.
4	899.5	18.2	51	20	71	720	27.
5	900.6	19.4	42	33	75	632	25.
6	901.6	18.7	48	30	78	696	13.
7	902.6	19.8	44	40	84	676	11.
8	903.7	15.3	25	67	92	297	2.7
9	904.8	16.8	37	42	79	482	4.0

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LOG

Company Martin Oil Properties Lease East Morris Well No. 9

BARTLESVILLE SANDSTONE

<u>Depth Interval, Feet</u>	<u>Description</u>
896.0 - 896.4	Sandstone, dark brown.
896.4 - 897.2	Sandstone, dark brown, slightly shaly.
897.2 - 898.3	Sandstone, brown with scattered shale partings.
898.3 - 901.3	Sandstone, dark brown with widely scattered shale partings.
901.3 - 903.3	Sandstone, dark brown with scattered shale partings.
903.3 - 903.9	Sandstone and shale, brown and gray, laminated.
903.9 - 904.1	Shale, gray.
904.1 - 904.3	Sandstone, brown, shaly.
904.3 - 904.5	Shale, gray.
904.5 - 905.0	Sandstone, brown, shaly.
905.0 - 906.7	Sandstone and shale, light gray and gray, laminated.
906.7 - 907.3	Shale, gray.

STATE OF MISSOURI  
DEPARTMENT OF GEOLOGY

1950-4

MISSOURI GEOLOGICAL SURVEY  
COLUMBIA, MISSOURI

# HAWKEYE DRILLING

R.R. 2 Box 73A  
Wellsville, Kansas 66092  
913-883-2013

20-14-22E

Lease MORRIS E.  
Well # 74 7-24-89  
Elevation 150091-21866

*[Handwritten notes]*

Drill Log

Thickness	Formation	Total Depth	Remarks	Thickness	Formation	Total Depth	Remarks
34	Lime	34		10	SHALE	44	
4	Lime	38		8	LIME	52	
29	Shale	67		20	SHALE	72	
14	LIME	81		2	LIME	74	
2	SHALE	83		2	SHALE	76	
2	LIME	85		13	SHALE	89	
7	SHALE	92		1	LIME	90	
14	LIME	106		27	SHALE	117	
10	SHALE	116		1	SHALE	118	
7	LIME	123		57	SHALE	175	
5	SHALE	128		2	LIME	177	
10	LIME	138		27	SHALE	204	
7	SHALE	145		1	LIME	205	
8	LIME	153		17	SHALE	222	
31	SHALE	184		7	LIME	229	
3	LIME	187		1	SHALE	230	
6	SHALE	193		21	"	251	
6	LIME	199		17	"	268	
6	SHALE	205		24	"	292	
38	LIME	243		24	"	316	
22	SHALE	265		24	"	340	
9	LIME	274		21	"	361	
110	SHALE	384		1.00	"	362	
5	LIME	289		1.14	"	363	
5	SHALE	294		1.21	"	364	
12	LIME	306		1.34	SHALE	365	
25	SHALE	331		2.19	"	367	
2	LIME	333		3.40	SHALE	370	
10	SHALE	343		3.12	SHALE	373	
1	LIME	344			SHALE	374	
2	SHALE	346		1	SHALE	375	
10	LIME	356		71	SHALE	446	
5	SHALE	361					
26	LIME	387					
8	SHALE	395					
8	LIME	403					
2	SHALE	405					
7	LIME	412					
2	SHALE	414					
2	LIME	416					
15	SHALE	431					

*[Handwritten notes]*

11.24.11