1111,9184
KCC

SIDE ONE

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 # 5050
Name Hummon Corporation
Address 400 One Main Place
City/State/Zip Wichita, KS 67202

Operator Contact Person Mr. Wilber Berg
Phone 316-263-8521

Contractor: License # 5148
Name Big H Drilling

Wellsite Geologist Tim Pierce
Phone 316-263-8521
PURCHASER NONE

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

WELL HISTORY

Drilling Method:
[X] Mud Rotary [ ] Air Rotary [ ] Cable

11-5-84	11-18-84	11-19-84
Spud Date	Date Reached TD	Completion Date

4862	4837'
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 226 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

API NO. 15-.007-21,948

County Barber

[ ] East
C NE SW Sec 20 Twp 31 Rge 10 [X] West

1980 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

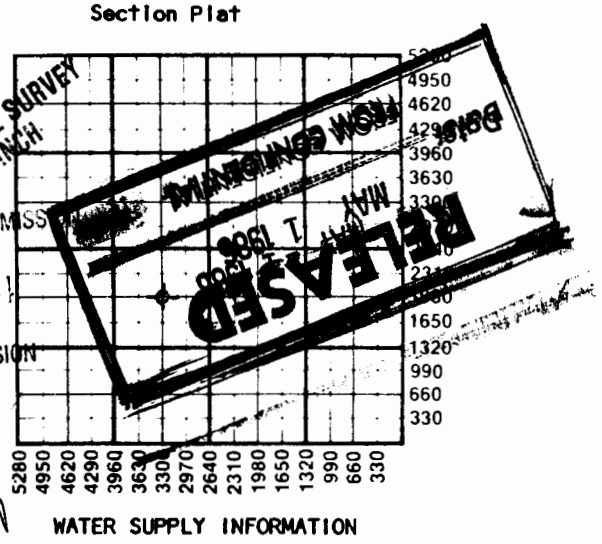
Lease Name Bertha Well # 1

Field Name Wildcat

Producing Formation Viola

Elevation: Ground 1746 KB 1759

Section Plat



JUN 06 1985
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH
STATE CORPORATION COMMISSION
DEC 12 1984
CONSERVATION DIVISION
Wichita, Kansas
MAY 1 1985
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FROM CONFIDENTIAL
MAY 30 1985
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit # T.84-812

[X] Groundwater 2000 Ft North from Southeast Corner
(Well) 3300 Ft West from Southeast Corner of
Sec 20 Twp 31 Rge 10 [ ] East [X] 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.#)

Disposition of Produced Water: [ ] Disposal [ ] Repressuring
N/A
Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 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.

SIDE TWO

Operator Name Hummon Corporation Lease Name Bertha Well# 1 SEC 20 TWP 31 RGE 10 ☐ East ☒ West

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

DST #1: 4507-4532', OP 30-45 Mis-run; packer failure Rec. 1000' mud ISIP 1364#

DST #2: 4476-4532' OP 45-60-60-90, Strong blow, GTS 7" into 1st SI, Rec. 650' fluid, 200' WGM, 450'MW (80,000PPM - chlorides) Gas stab. during 2nd OP @ 6.27 MCFG SIP 1321-1321, FP 246-269/280-349, HP 2461-2461, BHT 126°

DST #3: 4755-4775' OP 45-60-45-60, Strong blow both openings Rec. 1550' GIP , 62' MCGO (90% oil, 10 % mud). SIP 1681-1659, FP 71-71/ 71-71, HP 2483-2505

DST #4: 4825-4844' OP 30-60-30-60, Wk blow in 1st opening, No blow in 2nd opening, Flush tool, no help, Rec. 10' drilling mud. Drilled 5' more to test. FP 106/106 106/130, SIP 118/130 Hp 2537/2505, BHT 123°

DST #5: 4826-4845', OP 30-45-30-45, Rec. 10' mud. SIP 67-67, FP 45-45, 56-56, HP 2665/2553 BHT 126°

Formation Description
☒ Log ☐ Sample

Name	Top	Bottom
Onaga	2709	-950
Tarkio	2904	-1145
Elgin	3530	-1771
Heebner	3693	-1934
Lansing	3892	-2133
Miss.	4516	-2757
Kinderh.	4646	-2887
Viola	4757	-2998
Simpson SH	4834	-3075
Simpson SD	4838	-3079
TD	4862	

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	12¼"	8-5/8"	23#	226	common	200	2% gel,3% CC
Production	7-7/8"	5½"	17#15#14#	4861	60/40 POZ	125	2% gel 10% salt 3/4 of 1% D-31

PERFORATION RECORD Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 Jumbo Jet	4759 - 4762	250 gals double-strength 15%	4759 - 62
		1000 gals Mos-202, preceded	4759 - 62
		by 500 gals gel pad, followed	
		w/500 gals fluid-loss additive	
		flush w/formation water.	

TUBING RECORD Size NONE Set At Packer at Liner Run ☐ Yes ☒ No

Date of First Production P & A after completion

Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....

SIDE TWO (Page Two) ACO-1 WELL HISTORY

OPERATOR Hummon Corporation LEASE NAME Bertha #1 SEC. 20 TWP. 31 RGE. 10 (E) (W)XX

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #6: 4842-4857', OP 45-60-60-90, Rec. 60' SO & GCM (10% gas, 5% oil, 85% mud), SIP 427-750, FP 45-45, 56-56 HP 2665-2553, BHT 126°				
DST #7: 4841-4862', OP 60-60-60-90 Rec. 60' WM, 240' SW, CHL. 58,000 PPM SIP 1716-1727, FP 67-112, 135-146 HP 2419-2352, BHT 136°				
FORMATIONS				
Clay & Sand	0	140		
Red Beds	140	538		
Red Beds & Shale	538	1284		
Shale & Lime	1284	1700		
Lime & Shale	1700	1926		
Shale & Lime	1926	2392		
Lime & Shale	2392	2566		
Shale & Lime	2566	2930		
Lime & Shale	2930	3250		
Shale & Lime	3250	3463		
Lime & Shale	3463	3645		
Shale & Lime	3645	3753		
Sand, Lime & Shale	3753	3900		
Lime & Shale	3900	4114		
Shale & Lime	4114	4226		
Lime & Shale	4226	4331		
Shale & Lime	4331	4485		
Lime & Shale	4485	4532		
Lime, Shale & Chert	4532	4561		
Lime, Chert & Shale	4561	4654		
Shale, Chert & Lime	5654	4746		
Lime & Shale	4746	4775		
Lime	4775	4776		

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Date:
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CONSERVATION DIVISION
Wichita, Kansas

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Shale & Lime	4776	4835
Lime, Shale & Sand	4835	4840
Sand	4840	4862
RTD		4862

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WICHITA BRANCH