SIDE ONE

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STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

API NO. 15-047-21,243

County Edwards

C SE SW Sec. 4 Twp. 25S Rge. 18 [ ] East [xx] West

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

Lease Name SLENTZ Well # 1-4

Field Name

Producing Formation Mississippian

Elevation: Ground 2165' KB 2170'

DESCRIPTION OF WELL AND LEASE

Operator: License # 9668
Name Imperial Oil & Gas, Inc.
Address 720 Fourth Financial Center
City/State/Zip Wichita, Kansas 67202

Purchaser Natural Gas Pipeline Co.

Operator Contact Person Barbara Waitt
Phone 316/263-5205

Contractor: License # 5302
Name Red Tiger Drilling Co.

Wellsite Geologist Pete Stubbs
Phone 316/267-9428

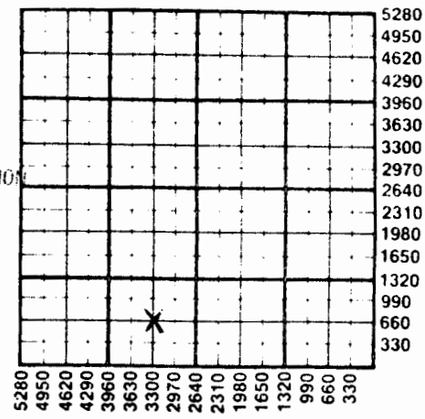
RECEIVED
STATE CORPORATION COMMISSION
MAY 16 1985
CONSERVATION DIVISION
Wichita, Kansas

Designate Type of Completion
[xx] New Well [ ] Re-Entry [ ] Workover
[ ] Oil [ ] SWD [ ] Temp Abd
[xx] 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

AUG 20 1985
State Geological Survey
WICHITA BRANCH

Section Plat



WATER SUPPLY INFORMATION
Disposition of Produced Water: [ ] Disposal [ ] Repressuring
Docket #

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

Source of Water:
Division of Water Resources Permit # T 85-157

[xx] Groundwater 580 Ft North from ~~Southeast Corner~~ S. Line
(Well) 3300 Ft West from ~~Southeast Corner of~~ E. Line
Sec 4 Twp 25S Rge 18 [ ] East [xx] 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. #)

WELL HISTORY

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

2-12-85	2-22-85	2-22-85
Spud Date	Date Reached TD	Completion Date

4675'	NA
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 596' feet
Multiple Stage Cementing Collar Used? [ ] Yes [xx] No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

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.

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 Robert H. Murdock
Title Vice-President Date 5/15/85

Subscribed and sworn to before me this 15th day of May 19 85
Notary Public Barbara A. Waitt
Date Commission Expires

BARBARA A. WAITT
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 8-3-87

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. 4 Twp. 25 Rge. 18 W

RECEIVED
STATE CORPORATION COMMISSION
AUG 16 1985
CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-84)

SIDE TWO

Operator Name Imperial Oil & Gas, Inc. Lease Name SLENTZ Well # 1-4

Sec. 4 Twp. 25S Rge. 18W ☐ East ☒ West County Edwards

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: 4374-4410' (Marmaton) 60-60-60-60-
1st open: gts in 2", 10" gauges 1316 Mcf, stab. @ 980 Mcf for 20-60".
2nd open: 847 Mcf throughout.
Rec. 95' mud.
IFP: 135-176 FFP: 166-167
ISIP: 1494 FSIP: 1494

DST #2: 4527-55' 60-60-60-60
1st open: strong byow
2nd open: strong blow
Rec. 360' of gas in piep, 130' HO & GCM, 50' C & GO
IFP: 40-70 ISIP: 1164
FFP: 60-80 FSIP: 1046.

Formation Description
☐ Log ☒ Sample

Name	Top	Bottom
Heebner	3879	-1701
Brown Lime	4003	-1833
Lansing	4014	-1844
B/KC	4376	-2206
Marmaton	4394	-2224
Cherokee Shale	4500	-2330
Cherokee Sand	4540	-2370

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	20#	596'	Lite	225	3% cc
					Common	200	3% cc, 2% gel
Production		4½"	10½# used	4681	Lite	75	
					50-50 Poz	125	18% salt

PERFORATION RECORD NA

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4389-95'	Acidized with 500 gallons 15% FE Acid	4395

TUBING RECORD	Size	Set At	Packer at	Liner Run ☐ Yes ☐ No

Date of First Production	Producing Method
4/5/85	☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain)

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	Bbls	500 Mcf MCF	Bbls	CFPB	

METHOD OF COMPLETION

Disposition of gas: ☒ Vented ☐ Sold ☐ Used on Lease

☐ Open Hole ☒ Perforation
☐ Other (Specify)

☐ Dually Completed
☐ Commingled

Production Interval
4389-95'

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