8/18/88

AMENDED TO SHOW FIRST GAS SALES

RELEASED
JUN 1 1989
Date:
FROM CONFIDENTIAL

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

SIDE ONE

KCC

API NO. 15-175-20,961

County Seward

NE SE NW Sec. 36 Twp. 32S Rge. 34 — East X West

3630 Ft North from Southeast Corner of Section
2970 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name HITCH Well # 1-36

Field Name n/a

Producing Formation Upper Morrow

Elevation: Ground 2891' KB 2896'

Operator: License # 5181
Name Donald C. Slawson
Address Suite 700
20 North Broadway
City/State/Zip Oklahoma City, OK 73102

Purchaser Gas-Williams Natural Gas
Gas-Prairie States Gas
no oil

Operator Contact Person Daniel G. Wilson
Phone 405/232-0201

Contractor: License # 5657
Name Slawson Drilling Company

Wellsite Geologist Ed Hesher
Phone 806/374-5256

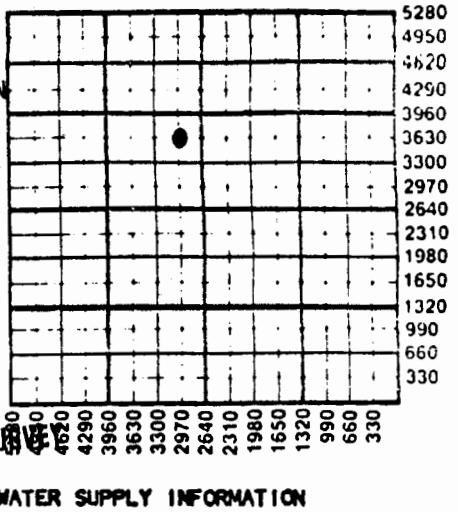
Designate Type of Completion
X New Well — Re-Entry — Workover
— Oil — SWD — Temp Abd
— Gas — Inj — Delayed Comp.
— Dry — Other (Core, Water Supply etc.)

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

RECEIVED
STATE CORPORATION COMMISSION
APR 28 1988
CONSERVATION DIVISION
Wichita, Kansas

JUN 13 1989

Section Plat



KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

WELL HISTORY

Drilling Method:
X Mud Rotary — Air Rotary — Cable

5/12/87	5/25/87	7/22/87
Spud Date	Date Reached TD	Completion Date

6400	
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 1626 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

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

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	0 Bbls	3699 MCF	3 Bbls	n/a CFPB	n/a

METHOD OF COMPLETION

Disposition of gas: ☐ Vented ☒ Sold

☐ Open Hole. ☒ Perforation
☐ Other (Specify)

Production Interval
5624'-5708'

SIDE TWO

Operator Name Donald C. Slawson Lease Name HITCH Well # 1-36

Sec. 36 Twp. 32S Rge. 34 ☐ East ☒ West County Seward

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, 5637-5690', 30-60-60-120. Had immed strong blow to bottom of bucket on 1st opening w/GTS in2". Gas stab @ 1440 psi on 1/4" ck (GV=2.1 MMCFD), on final flow - GTS in 1". Stab in 10" @ 1440 psi on 1/4" ck (GV = 2.1 MMCFD). SI. Rel pkr & TOH to 5038'. Dropped back & rev out DP. C&C through DP. Rec approx 100 gas cut drlg mud in DP. (Res 1.664 @ 70°F, chls = 3000 ppm). TOH, LD DST tools. Recovery in sampler - 4.5 ft^3 gas (dry) @ 1450 psi. Temp 134°F. IHP 2780#, IFP 1567-1570#, ISIP 1795#, FFP 1605-1710#, FSIP 1795#, FHP 2780#.

Formation Description ☒ Log ☐ Sample

Name	Top	Bottom
Herrington	2578	
Council Grove	2900	
Heebner	4219	
Toronto	4246	
Lansing	4360	
Marmaton	5031	
Cherokee	5226	
Morrow	5606	
Chester	5882	
St Genevieve	6136	
St Louis	6220	

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	11"	8-5/8	24#	1626	HLC	300	3% CC
					Cl C	125	2% CC
Production	7-7/8"	4-1/2	10.5	6397	Cl H	25	
					Cl H	500	18% salt, 3/4% CFR2, 2% AFHD

PERFORATION RECORD Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	5700'-5708' (Upper Morrow)	1500 gal 7-1/2% HCL	
2	5624'-5644' (Upper Morrow)	Natural	

TUBING RECORD	Size	Set At	Packer at	Liner Run
	2-3/8	5608	5608	☐ Yes ☒ No

Date of First Production	Producing Method
1st gas sales to: Prairie States 3/29/88 Williams Natural 3/28/88	☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain)