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 # 5447
name Cities Service Oil & Gas Corp.
address 3545 NW 58th Street
City/State/Zip Oklahoma City, OK 73112

Operator Contact Person Raymond Hui
Phone (405) 949-4400

Contractor: license # 5141
name Zenith Drilling Co.

Wellsite Geologist Robert Vick
Phone (405) 949-4400
Purchaser: Citgo Petroleum

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

API NO. 15 - 175-20778

County Seward

C NW NW NE Sec 33 Twp 32 Rge 34 ☐ East X West
(location)
2310' FEL, 330' FNL
4950' Ft North from Southeast Corner of Section
2310' Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

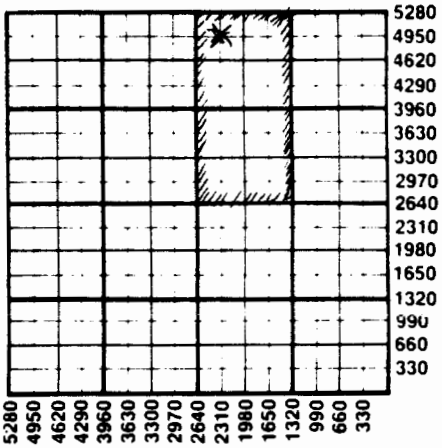
Lease Name Hitch P **Well#** 1

Field Name Shuck

Producing Formation Chester

Elevation: Ground 2905' KB
DF: 2914'

Section Plat



WELL HISTORY

Drilling Method: X Mud Rotary ☐ Air Rotary ☐ Cable

9-11-84	9-23-84	11-30-84
Spud Date	Date Reached TD	Completion Date

6450'	6401'
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 1699' 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

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CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # T84-596

X Groundwater 5065 Ft North From Southeast Corner and
(Well) 2310 Ft. West From Southeast Corner of
Sec 33 Twp 32 Rge 34 ☐ East X West

☐ Surface Water ..... Ft North From Sourtheast Corner and
(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: X Disposal ☐ Repressuring

Docket # 15,615
Hitch E-2 SWD

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. Rules 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 Cities Service Oil & Gas Corp. Lease Name Hitch P Well# 1 SEC 33 TWP 32 RGE 34 ☐ East ☒ West

WELL LOG

TUBING RECORD size 2-3/8" set at 6160'KB packer at SN @ 6145' KB | Liner Run ☐ Yes ☐ No

Date of First Production 10-6-84 1st swab | Producing method ☐ flowing ☒ pumping ☐ gas lift ☐ Other (explain)

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

Electric Logs:

Dual Induction w/GR, Comp.
Density w/Neutron w/GR,
Minolog w/GR & Caliper.

Formation Description ☐ Log ☐ Sample

Name	Top	Bottom
Sand	0	64'
Sand & Red Bed	64	5
Red Bed	5 0	1028'
Red Bed, Anhydrite	1028	1150'
Glorietta Sand	1150	13
Sand, Anhydrite	1340	1410'
Shale, Anhydrite	1410	2350'
Red Bed, Lime, Shale	2350	2630'
Anhydrite, Dolomite, Lime & Shale	2630	40
Lime & Shale	4015	6450'
T.D.		6450'

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	30 Bbls	TSTM MCF	214 Bbls	CFPB 34.5	

Disposition of gas: ☐ vented ☐ sold ☐ used on lease

METHOD OF COMPLETION ☐ open hole ☒ perforation ☐ other (specify) ☐ Dually Completed. ☐ Commingled

PRODUCTION INTERVAL 6152-6158' Chester

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	12-1/4"	8-5/8"	24#	1699' KB	65/35 Poz.	650	¼# floc, 2% CaCl
					Class "H"	150	¼# floc, 3% CaCl
Production	7-7/8"	5-1/2"	15.5, 14	6441' KB	50/50 Poz.	175	18% salt, flo .8% CFR-2

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	6152-58' Chester Sand	750 gal. diesel oil w/5% musol	6152-58'
		37,000 gal. gelled diesel &	6152-58'
		56,500 # 20/40 sand	