

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

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

WELL HISTORY

Drilling Method: 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 PBDT

Amount of Surface Pipe Set and Cemented at 1699' Wichita, Kansas

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15-175-20778-0000

County Seward

C. NW NW NE Sec 33 Twp 32 Rge 34
(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)

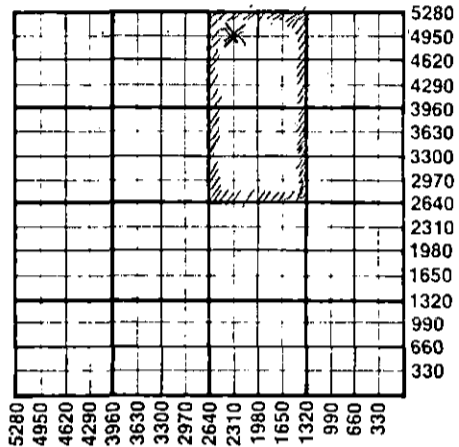
Lease Name Hitch P Well# 1

Field Name Shuck

Producing Formation Chester

Elevation: Ground 2905' KB
DF: 2914'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # T84-596

Groundwater 5065 Ft North From Southeast Corner and
2310 Ft. West From Southeast Corner of
Sec 33 Twp 32 Rge 34 East West

Surface Water Ft North From Southeast 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: Disposal Repressuring

Docket # 15,615
Hitch E-2ASWD

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.

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 D.G. Oliver
Title Engineering Manager Date 1-3-85

Subscribed and sworn to before me this 3rd day of January 19 85

Notary Public
Date Commission Expires 6-12-88

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)

Form ACO-1
(This form supercedes previous forms ACO-1 & C-10)

Sec 33 Twp 32 Rge 34

Operator Name Cities Service Oil & Gas Corp Lease Name Hitch P Well# 1 SEC. 33 TWP. 32 RGE. 34 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

Formation Description
 Log Sample

Electric Logs:

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

Name	Top	Bottom
Sand	0	64'
Sand & Red Bed	64	530'
Red Bed	5 0	1028'
Red Bed, Anhydrite	1028	1150'
Glorietta Sand	1150	1340'
Sand, Anhydrite	1340	1410'
Shale, Anhydrite	1410	2350'
Red Bed, Lime, Shale	2350	2630'
Anhydrite, Dolomite, Lime & Shale	2630	4015'
Lime & Shale	4015	6450'
	T.D.	6450'

CASING RECORD <input checked="" type="checkbox"/> new <input type="checkbox"/> 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. Class "H"	...650....	#. floc, .2% CaO
Production.....	7-7/8".....	5-1/2".....	15.5, 14	6441' KB..	50/50 Poz.	...175....	#. floc, .3% CaO .8% salt, .1% #. floc .8% CFR-2.....
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(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.....			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing method		SN @ 6145' KB		packer at	
10-6-84 1st swap		<input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
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)

PRODUCTION INTERVAL
 6152-6158'
 Chester.....

Dually Completed.
 Commingled

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE:

Company Cities Serv Oil & Gas Corp Lease Hitch "P" Well No. 1

County Seward Location 330 FNh-2310 FFL 33 Section 32 Township 34w Range 34w Acres ?

Field ? Reservoir Chester Pipeline Connection 345

Completion Date 11-28-84 Type Completion (Describe) Single Perf Plug Back T.D. 6401 Packer Set At

Production Method: Pumping Type Fluid Production Gas Lift API Gravity of Liquid/Oil

Flowing Casing Size 5 1/2 Weight 14# I.D. 6441 Set At 6152 Perforations 6158 To

Tubing Size 2 3/8 Weight 6160 I.D. 6160 Set At Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 11-29-84 Time 8:30 AM Ending Date 11-30-84 Time 8:30 AM Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Separator Pressure Choke Size

Casing:	Tubing:			Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil	
Pretest:											
Test:											
Test:	<u>500</u>	<u>Test Tank</u>	<u>0</u>	<u>11</u>	<u>21.00</u>	<u>1</u>	<u>8</u>	<u>51.00</u>	<u>214</u>	<u>30</u>	

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections Orifice Meter Range

Pipe Taps:	Flange Taps:	Differential:			Static Pressure:			
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover In. Water	Tester In. Merc.	Pressure Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter								
Critical Flow Prover								
Orifice Well Tester	<u>2"</u>	<u>1/8"</u>			<u>0</u>			

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia)	Extension (Pm) / hw x Pm	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
<u>0</u>						

Gas Prod. MCFD Flow Rate (R): Oil Prod. Bbls./Day: 30 Gas/Oil Ratio (GOR) = 0 Cubic Ft. per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 30th day of November 1984

For Offset Operator [Signature] For State [Signature] For Company [Signature]

DEC 03 1984
 CONSERVATION DIVISION
 Wichita, Kansas