

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 N.W. 58th Street
City/State/Zip Okla. City, Okla. 73112

Purchaser Citgo Petroleum
Tulsa, Oklahoma

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

Contractor: License # 7860
Name Johnson Drilling Co.

Wellsite Geologist Robert Vick
Phone (405) 949-4400

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

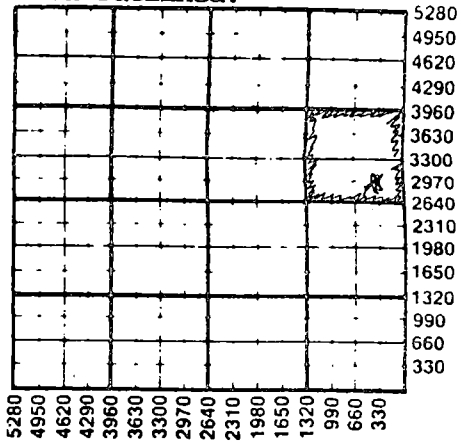
7-9-85 Spud Date 7-20-85 Date Reached TD 8-27-85 Completion Date
5066' Total Depth 5012' PBTD

Amount of Surface Pipe Set and Cemented at 1372 feet
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. 15-129-20763-0000
County Morton
C. SE SE NE Sec. 3 Twp. 33 Rge. 43 East West
2310' FNL, 330' FEL
2970 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
Lease Name Worthington "B" Well # 1
Field Name ~~N. Winter~~ Mustang
Producing Formation Morton
Elevation: Ground 3596' CE DF 3607'

Section Plat

Acreage attributed outlined.



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 # T85-610

Groundwater 690 Ft North from Southeast Corner (Well) 3450 Ft West from Southeast Corner of Sec 2 Twp 33 Rge 43 East 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. #)

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 hereon are complete and correct to the best of my knowledge.

Signature *D. G. Oliver*
D. G. Oliver
Title Engineering Manager Date 10-3-85

Subscribed and sworn to before me this 3rd day of October 1985
Notary Public *Suea J. Howeth*
Date Commission Expires 4-24-89

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Operator Name **Cities Service Oil & Gas Corporation** Lease Name **Worthington "B"** Well # **1**

Sec. **3** Twp. **33S** Rge. **43** East West County **Morton**

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

Electric Logs:
 CDN & GR, DI & GR, Mini log & GR

Formation Description
 Log Sample

Name	Top	Bottom
Surface, clay & sand	0	408
Redbed, sand & shale	408	968
Glorietta Sand	968	1077
Shale	1077	1360
Anhydrite	1360	1373
Shale	1373	2366
Lime & Shale	2366	5066

CONFIDENTIAL

RELEASED

DEC 12 1986

FROM CONFIDENTIAL

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#	1372'	Slt. Poz. Class H	600 125	2% CaCl ₂ , 1/2# Floc. 3% CaCl ₂ , 1/4# Floc.
Production	7-7/8"	5-1/2"	14#	5066'	50/50 Poz.	175	2% gel, 18% salt
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	4617-4623	Morrow		Acidized w/1000 gals.			4617-23'
				7-1/2%			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size		Set At		Packer at			
2-3/8"		SN at 4802'		KB			
Date of First Production		Producing Method					
Swabbed new oil 8-12-85		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
SI waiting on gas purchaser							
Estimated Production Per 24 hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
32.2 Bbls		358 MCF	-0-	Bbls	11,118 CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold, to be used on Lease Open Hole Perforation Other (Specify) 4617-4623.....
 Dually Completed Commingled