

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 PEPL

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

Contractor: License # 7860
Name Johnson Drilling Company

Wellsite Geologist
Phone

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

Spud Date 11-21-85 Date Reached TD 11-30-85 Completion Date 2-1-86
Total Depth 5100' PBTD 4628'

Amount of Surface Pipe Set and Cemented at 1352 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set
If alternate 2 completion, cement circulated from feet depth to w/SX cmt

API NO. 15-129-20783-00-00
County Morton
C. NE NE SW Sec. 22. Twp. 33S. Rge. 43 East West

2310 Ft North from Southeast Corner of Section
2970 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

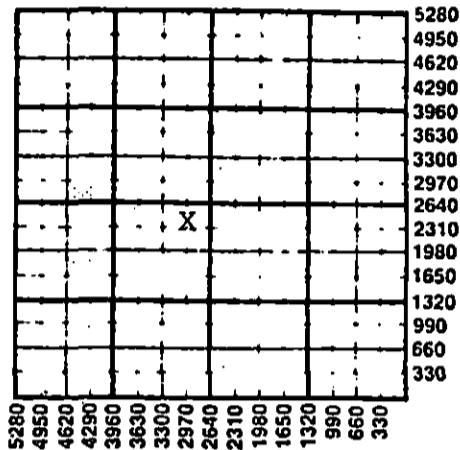
Lease Name Hart A Well # 3

Field Name Wildeat Mustang South

Producing Formation U. Morrow L-2

Elevation: Ground 3613 KB 3624

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 #

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

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 Del. G. Oliver
Title Engineering Manager Date 2-13-86

Subscribed and sworn to before me this 13 day of February 1986
Notary Public

Date Commission Expires 4-24-89

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

Operator Name **Cities Service Oil & Gas Corporation** Lease Name **Hart "A"** Well # **3**
 Sec. **22** 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

Formation Description
 Log Sample

Ran Dual Ind. - SFL w/SP & GR, Comp.
 Neutron-Litho w/GR and Caliper, BHC
 Sonic w/GR, Micro w/GR. Ran CBL/GR/CCL
 from 5030-3550'. Top of cement at 3870'.

| Name | Top | Bottom |
|------------------------|------|--------|
| Surface, Clay & Redbed | 0 | 420 |
| Redbed & Shale | 420 | 980 |
| Glorietta Sand | 980 | 1140 |
| Shale | 1140 | 1340 |
| Anhydrite | 1340 | 1354 |
| Shale | 1354 | 2340 |
| Lime & Shale | 2340 | 5100 |
| TD | | 5100 |
| PBTD | | 4628 |

RELEASED

JUN 11 1987

| 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 | Percent Additives |
| Conductor | 30" | 20" | | 32' | Redi-mix | 3.5 yds | |
| Surface | 12-1/4" | 8-5/8" | 24# | 1352' | 65/35 Poz. | 625 | 2% CaCl & 1/2# Flo. |
| Production | 7-7/8" | 5-1/2" | 14# | 5099' | Class. H. 50/50 Poz. | 200 | 3% CaCl & 1/4# Flo. 10% 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 (9'; 36 holes) 4607-16' | | | | Acidized w/1500 gal. diesel 4607-16' | | | |
| | | | | Frac w/310. BLO 4607-16' | | | |
| TUBING RECORD | | | | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Date of First Production | | Producing Method | | | | | |
| Waiting on pipeline connection. | | <input checked="" type="checkbox"/> Flowing <input 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 | |
| Bbls | | 400 | MCF | 100 | Bbls | CFPB | |

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed Commingled

FEB 18 1986