

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONWELL 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.....

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

Contractor: License # 5141
 Name Zenith Drilling Corp.

Wellsite Geologist Marilyn Suiter
 Phone 405-949-4400

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ Skd ☐ 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

8-26-85 9-6-85 9-8-85
 Spud Date Date Reached TD Completion Date
 5350'
 Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1355 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. 15-129-20771-402-00

County...Morton.....

C.S.W...NE Sec.22. Twp..33 Rge43... ☐ East ☒ West

3300..... Ft North from Southeast Corner of Section
 1980..... Ft West from Southeast Corner of Section
 (Note: Locate well in section plat below)

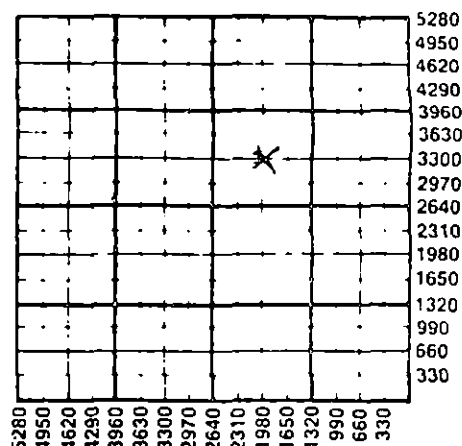
Lease Name.....Hart "A".....Well #..2...

Field Name.....Wildcat.....

Producing Formation.....

Elevation: Ground.....3612'.....KB.....3623'

Section Plat



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 #...T85-765.....

☒ Groundwater 3200.....Ft North from Southeast Corner
 1980.....Ft West from Southeast Corner of
 Sec 22 Twp 33 Rge43 ☐ 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.O. #)

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 slide 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 Del. G. Oliver

Title.....Engineering Manager.....Date 10-3-85

Subscribed and sworn to before me this 3rd day of October...

1985... Notary Public... Teresa Jo Haweth

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)

RECEIVED

STATE CORPORATION COMMISSION

OCT

Form ACO-1 (7-84)

10-4-89
 CONSERVATION DIVISION
 Wichita, Kansas

SIDE TWO

Operator Name Cities Service Oil & Gas Corporation Lease Name Hart "A" Well # 2Sec. 22 Twp. 33 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

Electric Logs:
CNL-LDT
DIL-SFL
Microlog
Logger's Total Depth: 5343'

Name	Top	Bottom
Glorieta Sand	966	1160
Anhydrite	1346	

Copies of Drillers Log attached.

CONFIDENTIAL

RELEASED

JAN 22 1987

FROM CONFIDENTIAL

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	1355	65/35 poz. Class H	625 125	2% CaCl ₂ , 1/2# Flocele 3% CaCl ₂ , 1/4# Flocele
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
	None						
TUBING RECORD				Liner Run ☐ Yes ☐ No			
Size		Set At		Packer at			
Date of First Production		Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....					
Estimated Production Per 24 hours		Oil		Gas		Water	
		Dry Hole - P & A on September 8, 1985		Gas-Oil Ratio		Gravity	
		Bbls		MCF		Bbls CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas. ☐ Vented
☐ Sold
☐ Used on Lease

☐ Open Hole ☐ Perforation
☐ Other (Specify)

☐ Dually Completed
☐ Commingled

WELL LOG

COMPANY Cities Service Oil & Gas Corporation

SEC. 22-33S-43W

FARM Hart "A"

NO. 2

Loc. 3300' FSL & 1980' FEL

TOTAL DEPTH 5350

COUNTY Morton, Kansas

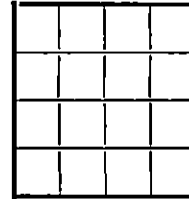
COMM. 8-26-85

COMP. 9-08-85

CONFIDENTIAL

CONTRACTOR Zenith Drilling Corporation

CASING
1355' of 8 5/8" casing, cemented with 750 sacks cement.



ELEVATION

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

35	Sand
155	Sand & Red Bed
980	Red Bed
1545	Red Bed & Anhydrite
2300	Red Bed
2495	Red Bed & Anhydrite
2665	Anhydrite & Dolomite
2855	Dolomite, Lime & Shale
5350	Lime & Shale

OCT 07 1985
State Geological Survey
WICHITA BRANCH

PLUGGING INFORMATION

1st plug	35 sacks cement	@ 5350'
2nd plug	70 sacks cement	@ 4390'
3rd plug	50 sacks cement	@ 2741'
4th plug	50 sacks cement	@ 1425'
5th plug	40 sacks cement	@ 700'
6th plug	10 sacks cement	@ 40'

RELEASED

JAN 22 1987

FROM CONFIDENTIAL

10 sacks in mouse hole
15 sacks in rat hole

Job complete 1:00 P.M. 9-08-85

State of KANSAS
County of SEDGWICK } ss

I, Emmet E. Hall of Zenith Drilling Corporation
upon oath state the above and foregoing is a true and correct copy of the log of the Hart "A" #2 well.

Subscribed and sworn to before me this 11th day of September, 19 85.

My Commission Expires: 12/15/88

Sharon R. Allen
Sharon R. Allen NOTARY PUBLIC

RECEIVED
STATE CORPORATION COMMISSION

OCT 11 1985

CONSERVATION DIVISION
Wichita Kansas