

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 Uncommitted

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

Contractor: License # 5141
Name Zenith Drilling Corporation

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

10-28-85	11-9-85	12-10-85
Spud Date	Date Reached TD	Completion Date
5570'	5527'	
Total Depth	PBTD	

Amount of Surface Pipe Set and Cemented at 1750' feet
Multiple Stage Cementing Collar Used? Yes No
if yes, show depth set 4619' & 3545' feet
if alternate 2 completion, cement circulated
from feet depth to w/SX cmt

API NO: 15-081-20388-00-00

County Haskell

E/2 SW SE Sec. 3 Twp 29S Rge. 34 East West

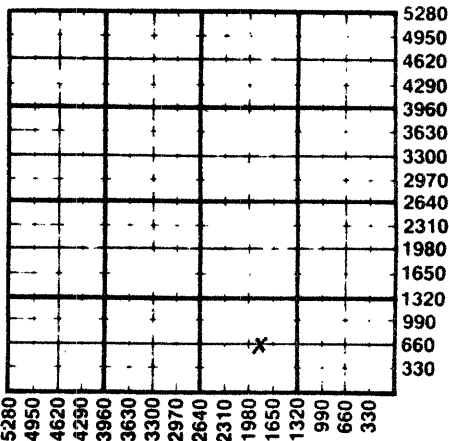
660 Ft North from Southeast Corner of Section
1830 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Helmley B Well # 2

Field Name Eubank

Producing Formation Morrow

Elevation: Ground 2981 KB 2992
Section Plat KKKC



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

Signature Del. G. Oliver

Title Engineering Manager Date 12-19-85

Subscribed and sworn to before me this 19 day of December 1985

Notary Public Teresa D. Howeth

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)

SIDE TWO

Operator Name **Cities Service Oil & Gas Corporation** Lease Name **Helmley B** Well # **2**
 E/2 SW SE
 Sec. **3** Twp. **29S** Rge. **34** East West County **Haskell**

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

Top of cmt: 1st stage 4728'
 2nd stage 3760'
 3rd stage 2150'
 Coring Marmaton 4670-4720' (50'):
 4670-74, 74-75.5, 75.5-77, 77-80.5, 80.5-84,
 84-86, 86-90, 90-96.5, 96.5-97.5, 97.5-4705.5,
 4705.5-10.5, 4710.5-15.5, 4715.5-4720.

• Cement Casing Record:
 Cemented 1st stage w/150 sx 50/50 Poz. w/2% total gel, 18% salt. Opened DV at 4619' KB. Cmted 2nd stage w/175 sx 50/50 Poz. w/2% total gel, 18% satl, 0.2% D-46, 0.8% D-65. Cmt'd 3rd stage w/200 sx 65/35 Poz. w/6% total gel, 2% CaCl.

Name	Top	Bottom
Sand	0	35
Sand & Clay	35	635
Sand & Red Bed	635	1245
Red Bed & Anhy.	1245	2300
Anhydrite	2300	2630
Red Bed, Anhy. & Dolomite	2630	2910
Dolomite	2910	3370
Dolo., Lime & Shale	3370	3580
Lime & Shale	3580	4670
Marmaton	4670	4720
Lime & Shale	4720	5570
	T.D.	5570
	P.B.T.D.	5527

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#	1759'	65/35 Poz. Class. H.	650	2% CaCl 3% CaCl
Production	7-7/8"	5-1/2"	14#	5569'	(See #)		
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
3	Morrow	5208-16	5228-36'	Acidized w/2000 gal. 15% spear head acid			5208-16 5228-36'
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Size 2"	Set At 5120	Packer at 5188				
Date of First Production		Producing Method					
Waiting on PL Connection		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
4-Pt. test Estimated Production Per 24 hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
➔		Bbls	1177 MCF	0 Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

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

Morrow
 5208-16'
 5228-36'