

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-...175-20904-00-00
County...Seward
... SW NW Sec 22 Twp 34S Rge 33 X East West

Operator: License # 5447
Name Cities Service Oil & Gas Corp
Address 3545 NW 58th Street
Oklahoma City, Oklahoma
City/State/Zip 73112

...2970 Ft North from Southeast Corner of Section
...4620 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser Uncommitted - Waiting on connection

Lease Name Hertlein B Well # 1

Operator Contact Person Raymond Hud
Phone (405) 949-4432

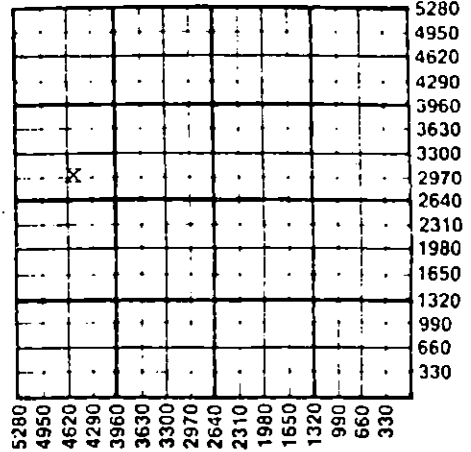
Field Name Salley OK

Producing Formation Basal Morrow SS

Elevation: Ground 2828 KB 2840

Contractor: License 5741 Zenith Drilling Co
Name

Section Plat



Wellsite Geologist
Phone

Designate Type of Completion
X New Well Re-Entry Workover

Oil SWD Temp Abd
X Gas Inj Delayed Comp.
Dry Other (Core, Water Supply etc.)

If OWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

WELL HISTORY

Drilling Method:
XX Mud Rotary Air Rotary Cable

5/27/86 6/7/86 7/2/86
Spud Date Date Reached TD Completion Date

6600' 6518'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1755 feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt
Cement Company Name Halliburton
Invoice # 1486

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 triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 7/21/86

Subscribed and sworn to before me this 21 day of July 1986
Notary Public Teresa Jo Rowlett

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
UNCSPECWICMA

Sec 22 Twp 34S Rge 33E

Operator Name Cities Service Oil & Gas Corp Lease Name Hertlein B Well # 1

SW NW

Sec. 22 Twp. 34S Rge. 33 East West County Seward

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 Induction w/SP & GR, Density Neutron w/Caliper & GR and Microlog from 6588' to 2500' KB.

Ran CBL/GR/CCL from PBTD 6518' to 5196' KB. TOC at 5278'.

Name	Top	Bottom
Sand	0	30
Sand & RedBed	30	840
Red Bed	840	1300
RedBed & Anhydrite	1300	1756
Anhydrite	1756	2550
Lime & Shale	2550	2770
Shale & Dolomite	2770	3050
Anhydrite & Dolomite	3050	3350
Dolomite	3350	4225
Lime & Shale	4225	6480
Shale	6480	6590
Lime	6590	6600
TD		6600
PBTD		6518

RELEASED

AUG 13 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	Type and Percent Additives
Conductor Pipe		20'		29'	Redi Mix	3 yds	
Surface	12-1/4"	8-5/8"	24#	1755'	65/35 Pozmix	625	6% total gel 2% CaCl
Production	7-7/8"	5-1/2"	14 & 15-1/2#	6599	Class C	125	2% CaCl
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	Morrow SS 6041-51' (10'; 40 holes)			Not acidized			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2-3/8"		Set At 6011		Packer at			
Date of First Production		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)					
Waiting on pipeline Connection.							
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
4-point test		Bbls	CAOF 2.7 M MCF	TSTM Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

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

Basal Morrow SS
 6041-6051'