

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 # 5398
Name ARCO OIL AND GAS COMPANY
Address Box 1610
City/State/Zip Midland, Texas 79702

Purchaser Diamond Shamrock

Operator Contact Person Ken W. Gosnell
Phone 915/688-5672

Contractor: License # 5141
Name Zenith Drilling Corp.

Wellsite Geologist Susan Thompson
Phone 915/688-5726

Designate Type of Completion

New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, water Supply etc.)

If OWWG: old well Info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

Mud Rotary Air Rotary Cable

Spud Date 10-9-87 Date Reached TD 10-20-87 Completion Date 1-15-89
Total Depth 6750 PBTD 5830

Amount of Surface Pipe Set and Cemented at 1790 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
Cement Company Name
Invoice #

API NO. 15-067-20693
County Grant
C NE NW Sec 30 Twp 29S Rge 38 East West
4620 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name E. L. Johnson Well # 3

Field Name Houston WC

Producing Formation St. Louis

Elevation: Ground 3151.9 KB 3162.0

Section Plat

					5280										
					4950										
					4620										
					4290										
					3960										
					3630										
					3300										
					2970										
					2640										
					2310										
					1980										
					1650										
					1320										
					990										
					660										
					330										
5280	4950	4620	4290	3960	3630	3300	2970	2640	2310	1980	1650	1320	990	660	330

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 # T87-428

Groundwater 4520 Ft North from Southeast Corner
(Well) 3400 Ft West from Southeast Corner of
Sec 30 Twp 29S Rge 38 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 Ken W. Gosnell
Title Engr. Tech. Date 2-17-89

Subscribed and sworn to before me this 17 day of February 1989
Notary Public Lisa C. Gordon

Notary Public, State of Texas
My Comm. Expires: 6-6-92

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

Sec 30 Twp 29 Rge 38 W

Operator Name ARCO OIL AND GAS COMPANY Lease Name E. I. Johnson Well #

Sec. 30 Twp. 39S Rge. 38 East West County Grant

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

DST #1 - Set pkr top at 6041-Bot at 6047.
 Set at 0410 w/30K, tool open at 0410-close 0425. Fair blow-reopen at 0455-weak to fair-good. Close tools for final shut in at 0555. Test from 6041-6392.
 Rec 90' mud, 700' salt water CHL 19,000.

Name	Top	Bottom
Chase	2310	
Winfield	2395	
Council Grove	2638	
Wabaunsee	3056	
Lansing	3906	
Marmaton	4480	
Morrow	5177	
Chester	5490	
St. Genevieve	5580	
St. Louis	5644	
Viola	6420	
Arbuckle	6534	

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
conductor		16		50			
surface	12-1/4	8-5/8	24	1790	Lite. & H	900	
production	7-7/8	5-1/2	15.5	5908	H. & Poz.	920	

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	5686-5704	A w/1250 gals	
		120. sz. "H" Neat	6350

TUBING RECORD

Size 2-7/8 Set At 5563 Packer at 5563 Liner Run Yes No

Date of First Production 1-15-89 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	259 Bbls	TSTM MCF	499 Bbls	NA	CFPB ---

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease
 Open Hole Perforation Other (Specify) 5686-5704
 Dually Completed Commingled