

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

Operator: License # 05398
Name: ARCO Oil & Gas Company
Address Box 1610

City/State/Zip Midland, TX 79702
Purchaser: ARCO Oil & Gas Company
Operator Contact Person: Ken W. Gosnell
Phone (915) 688-5672
Contractor: Name: Exeter
License: 3098
Wellsite Geologist: Ben Franka

Designate Type of Completion

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

If **OWMO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

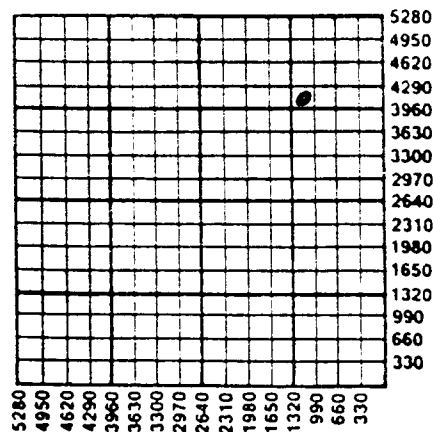
Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

5-23-09 5-25-90 8-19-90
Spud Date Date Reached TD Completion Date

API NO. 15- 187-20496County StantonSW NE NE Sec. 1 Twp. 27 Rge. 40 ☒ East West4001.63 Ft. North from Southeast Corner of Section

1250 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Vath Unit Well # 3Field Name HugotonProducing Formation ChaseElevation: Ground 3293.3 KB 3303.3Total Depth 2700 PBTD 2646Amount of Surface Pipe Set and Cemented at 614 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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. GosnellTitle Regulatory Coordinator Date 10-19-90Subscribed and sworn to before me this 19th day of October, 19 90.Notary Public Lisa A. GordyDate Commission Expires 6-6-92My Comm. Expires: 6-6- 92

K.C.C. OFFICE USE ONLY

F ☐ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☐ Drillers Timelog Received

Distribution

☒ KEC ☐ SWD/Rep ☒ NBPA
☒ KGS ☐ Plug ☐ Other
(Specify)

106/50C

SIDE TWO

Operator Name ARCO Oil & Gas CompanyLease Name Vath UnitWell # 3Sec. 1 Twp. 27 Rge. 40☐ EastCounty Stanton☒ West

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
 (Attach Additional Sheets.)

 Samples Sent to Geological Survey ☐ Yes ☐ No

 Cores Taken ☐ Yes ☒ No

 Electric Log Run ☒ Yes ☐ No
 (Submit Copy.)

 Formation Description ☒ Log ☐ Sample
 Name Top Bottom

Glorieta Sand	1250	
Stone Corral	1765	
Chase	2364	
Krider	2395	
Winfield	2432	
Towando	2494	
Lower Ft. Riley	2535	
Florence	2570	
Wreford	2610	
Council Grove	2632	

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	614	C	500	2%cc+1/4#CF
Production	7 7/8	4 1/2	9.5	2699	POZ	1000	1/4#CF

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
(Amount and Kind of Material Used) Depth

4	2494-2506, 2511-20, 2525-33	A w/3000 gals. Frac w/4460 bbls & 494,360# sd.	
2	2364-77, 2415-30, 2380-92, 2434-45	A w/6400 gals	

TUBING RECORD

Size

Set At

Packer At

Liner Run

☐ Yes ☒ No

None

Date of First Production
10-1-90Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)Estimated Production
Per 24 HoursOil Bbls.
0Gas Mcf
154.2Water Bbls.
0Gas-Oil Ratio
NA

Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
 (If vented, submit ACO-18.)

☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled
☐ Other (Specify) _____

2364-2533