

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

API NO. 15- 187-20855County StantonApp. SW SW SW Sec. 11 Twp. 29S Rge. 41 X W500 Feet from S/N (circle one) Line of Section500 Feet from E W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Ruby Arnold Well # 11-3Arroyo (Morrow)Producing Formation MorrowElevation: Ground 3371' KB 3381'Total Depth 5700' PBDT 5654'Amount of Surface Pipe Set and Cemented at 1646 FeetMultiple Stage Cementing Collar Used? Yes X NoIf yes, show depth set FeetIf Alternate II completion, cement circulated from feet depth to w/ sx cmt.Drilling Fluid Management Plan ALT 1 JH 3-13-98
(Data must be collected from the Reserve Pit)Chloride content 1000 ppm Fluid volume 11,000 bblsDewatering method used EvaporationLocation of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rge. E/WCounty Docket No. Operator: License # 5703Name: J.M. Huber CorporationAddress 1900 West Loop SouthSuite 1600City/State/Zip Houston, Texas 77027Purchaser: Associated Natural GasOperator Contact Person: Kaye OakesPhone (713) 871-4487Contractor: Name: Murfin Drilling CompanyLicense: 30606Wellsite Geologist: None

Designate Type of Completion

X New Well Re-Entry WorkoverOil SWD SIOW Temp. Abd.X Gas ENHR SIGWDry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:

Operator: Well Name: Comp. Date Old Total Depth Deepening Re-perf. Conv. to Inj/SWDPlug Back PBDTCommingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. 9-24-9610-03-9611-08-96

Spud Date

Date Reached TD

Completion Date

INSTRUCTIONS: An Original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado
by Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule
82-3-130, 82-3-106 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 geologist well report 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.

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 Kaye OakesTitle Engineering Technician Date 12-30-96Subscribed and sworn to before me this 30th day of December
1996Notary Public Karen Spagnola JonesDate Commission Expires 

KAREN SPAGNOLA JONES
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
OCT. 17, 1999

K.C.C. OFFICE USE ONLY	
F <input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C <input checked="" type="checkbox"/>	Wireline Log Received
C <input type="checkbox"/>	Drillers Timelog Received
Distribution	
<input checked="" type="checkbox"/> KCC	SWD/Rep <u> </u>
<u> </u> KGS	Plug <u> </u>
<u> </u>	NGPA <u> </u>
<u> </u>	Other <u> </u>
(Specify)	

Operator Name J. M. Huber CorporationLease Name Ruby ArnoldWell # 11-3☐ EastCounty StantonSec. 11 Twp. 29S Rge. 41☒ 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
(Attach Additional Sheets.)☐ Yes ☒ No☒ Log

Formation (Top), Depth and Datums

☐ Sample

Samples Sent to Geological Survey

☐ Yes ☒ No

Cores Taken

☐ Yes ☒ No

Name

Top

Datum

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

See attachment.

List All E.Logs Run:

Dual Induction
Comp. Neutron

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"	23#	1646'	Poz C	550	w/6% gel & 2% CC & 1/4#/sx
							529 Gello Flake
			Tailed in with		C	150	+ 2% CC

*Production - See attachment

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5460-5472'		

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2-3/8"	5405'	5399'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Resumed Production, SWD or Inj. Production			Producing Method					
			<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	1		714		0			47.1

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled
5460-5472'☐ Other (Specify) _____

Ruby Arnold 11-3

Log

<u>Name</u>	<u>Top</u>	<u>Datum</u>
Stn Corl	1647	
Chase	2212	
Neva	2735	
Wabaunse	2900	
Topeka	3200	
B/Heebner		3640
Lansing	3737	
Marmaton	4308	
Cherokee	4500	
Morrow	4988	
Morrow C	5064	
Morrow F	5330	
Keyes	5487	
Miss	5496	
St. Genev	5537	
St. Louis	5604	

*Production

5-1/2" ST&C 14# M-50 set at 5699'. Cement csg w/425 sxs 50/50 Poz H + 2% gel + 0.3% T/C + 10% salt + 0.2% antifoamer + 10#/sx Kolite.