

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 # 5591  
Name Westech Energy Co., Inc.  
Address P.O. Box 949  
City/State/Zip Great Bend, KS 67530  
Purchaser Shurtin - NA  
Operator Contact Person Cathy Pekarek  
Phone 316-792-5653  
Contractor: License # 5122  
Name Woodman-Iannitti Drlg. Co.  
Wellsite Geologist Dave Williams  
Phone 316-792-5020

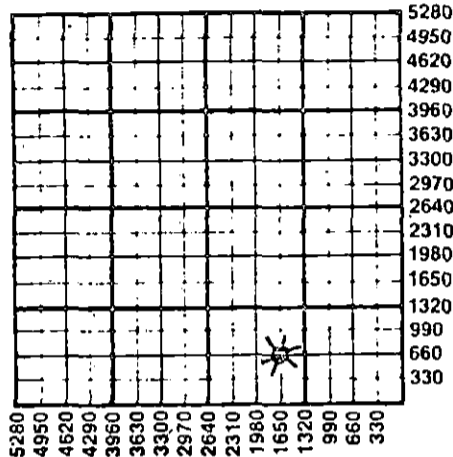
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  InJ  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)  
If OAWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
12-6-85 12-13-85 SF - NA  
Spud Date Date Reached TD Completion Date  
3900' - - -  
Total Depth PBDT  
Amount of Surface Pipe Set and Cemented at 990 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. 15-15-009-24-123-0000  
County Barton  
E/2 SW SE Sec. 29 Twp. 20 Rge. 15 East  
660 Ft North from Southeast Corner of Section  
1650 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)  
Lease Name Maneth Well # 1  
Field Name Converse  
Producing Formation Arbuckle  
Elevation: Ground 1995' KB 2000'

Section Plat



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 #  
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  
Purchased from:  
 Other (explain) Millard Barrett  
(purchased from city, R.W.D. #)  
R.R. #1, Larned, Kansas

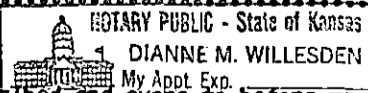
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.

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 Catherine E. Pekarek Catherine E. Pekarek

Title PRESIDENT Date 3-7-86



Subscribed and sworn to before me this 7th day of March 1986  
Notary Public Dianne M. Willesden  
Date Commission Expires 6-28-89

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)

MAR 10 1986

SIDE TWO

Operator Name WesTech Energy Co., Inc. Lease Name Maneth Well # 1

Sec. 29 Twp. 20 Rge. 15  East  West County Barton

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	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Formation Description <input type="checkbox"/> Log <input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Shale	0	300	Name
Shale	300	340	Top
D. Sand	340	520	Bottom
Shale	520	986	
Anhydrite	986	995	
Anhydrite	995	1014	
Shale	1014	1450	
Shale	1450	2090	
Shale	2090	2400	
Lime & Shale	2400	2715	
Lime & Shale	2715	2985	
Lime & Shale	2985	3190	
Lime	3190	3405	
Lime	3405	3565	
Lime	3565	3673	
Lime	3673	3767	
Arbuckle	3767	3793	
Arbuckle	3793	3804	
Arbuckle	3804	3810	
Arbuckle	3810	3832	
Arbuckle	3832	3900	

SEE ATTACHED

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#	990'	Lite	200	
Production	7-7/8"	5-1/2"	14#	3871'	60/40 50/50 1% CFR2, 20	200 150	3% CC... 2% Gel 18% Salt... 3/4 of Bbl. Flush

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2. Sdf	3,751' - 3,765'	1,000 gals. 15% mud acid	

TUBING RECORD Size 2" Set At 3,785' Packer at \_\_\_\_\_ Liner Run  Yes  No

Date of First Production \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (explain) Shut-in

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity
		300,000	none		

METHOD OF COMPLETION Production Interval

Disposition of gas:  Vented  Sold  Used on Lease  Open Hole  Perforation  Other (Specify) \_\_\_\_\_ 3,751'-3,765'

Dually Completed  Commingled

**DAVID P. WILLIAMS**

Petroleum Consulting Geologists

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1105 Main, Suite B

Great Bend, Kansas 67530

Office Ph. (316) 792-5020  
Mobile Ph. (316) 792-1066

Westech Energy Company, Inc.

P. O. Box 949

Great Bend, Kansas 67530

Re: #1 MANATH

Approx. -C-Sw-Se $\frac{1}{4}$   
29 - 20 - 15 W.  
Barton Cty., Ks.

Gentlemen;

The above captioned well was drilled via rotary tools commencing on 12/06/85 and drilled to a total depth of 3900' (-1900' subsea datum), and completed drilling operations on 12/13/85 with five and one-half inch (5 $\frac{1}{2}$ " production casing being permanently cemented. The following is the Geological report for this well.

OPERATOR:	Westech Energy Co., Inc.
CONTRACTOR:	Woodman-Iannitti Drilling-Rig #3
ELEVATIONS:	2000' K.B.; 1995' G.L.
DEPTH MEASURED FROM:	2000' K. B.
GEOLOGICAL SUPERVISION FROM:	3400' to R.T.D.
DRILLING TIME KEPT FROM:	3300' to R.T.D.
SAMPLES KEPT FROM:	3400' to R.T.D.
DRILL STEM TESTS TAKEN:	(1) Western Testers (3) Fox Testing
ELECTRIC LOGS RUN:	NONE - failed attempt.

**STRUCTURAL COMPARISONS TO NEARBY TESTS** \*1

Formation	Westech Energy Co.	K. & E. Drilling
	#1 MANATH	#1 KOEHN
Anhydrite	+1014	+1012
Heebner	-1325	-1331
Tatan	-1416	-1426
Lansing	-1426	-1436
Base K.C.	-1664	-1668
Conglomerate	-1698	-1708
Simpson shale	-1712	-1720
Arbuckle	-1745	-1755
Spot Location	Approx. C-Sw-Se $\frac{1}{4}$	Ne-Sw-Se $\frac{1}{4}$

\*1 All captioned wells are located in 29-20-15 W., Barton Cty., Ks.

RECEIVED  
STATE CORPORATION COMMISSION

MAR 10 1986

CONSERVATION DIVISION  
Wichita, Kansas

DRILL STEM TESTS

<u>FORMATION</u>	<u>DEPTH</u>	<u>TIMES</u>	<u>BLOW</u>
DST #1 Arbuckle	3667-3767'	30"-30"-30"-30"	Strong blow- G.T.S./3"
Gas Guage	1st Flow	Minutes	2nd Flow
	274 mcf	10"	398 mcf
	370 mcf	20"	461 mcf
	No gauge	30"	461 mcf stablized
<u>RECOVERY :</u>	300' Gas-cut-Mud 180' Gas-cut muddy water (Chlorides 38,000 Ppm)		
<u>PRESSURES :</u>	IH. 1933#; FH. 1918#; IF. 211-255#; FF. 388-417#; ISIP. 688#; FSIP. 654#; T. 117 <sup>o</sup> F.		
DST #2 Arbuckle	3780-3793'	30"-30"-30"-30"	Strong Blow throughout
<u>RECOVERY :</u>	150' Slightly gas-cut mud 30' muddy water (Chlorides 39,000 Ppm)		
<u>PRESSURES :</u>	IH. 2080#; FH. 2050#; IF. 47-47#; FF. 86-86#; ISIP. 691#; FSIP. 769#; T. 112 <sup>o</sup> F.		
DST #3 Arbuckle	3788-3804'	30"-30"-30"-30"	Strong Blow throughout
<u>RECOVERY :</u>	200' Slightly Oil-specked mud 30' Muddy water (Chlorides 39,000 Ppm)		
<u>PRESSURES :</u>	IH. 2140#; FH. 2120#; IF. 76-76#; FF. 114-114#; ISIP. 421#; FSIP. 653#; T. 112 <sup>o</sup> F.		
DST #4 Arbuckle	3796-3810'	30"-30"-30"-30"	Strong blow throughout
<u>RECOVERY :</u>	1260' Gas in pipe 60' Gas-cut-mud 140' Very Slightly Oil specked mud (less than 1% oil) 30' Water (Chlorides 37,000 Ppm)		
<u>PRESSURES :</u>	IH. 2120#; FH. 1990#; IF. 47-57#; FF. 105-105#; ISIP. 633#; FSIP. 672#; T. 113 <sup>o</sup> F.		

ZONES OF INTEREST

Formation	Depth	Description
Arbuckle	3747-3757'	Dolomite; buff to brown; fine-crystalline sucrosic with increasing porosity in lower part; fair increasing odor trace show gas. Recommend perforation 3747-3756'.

## Zones of Interest Con't.

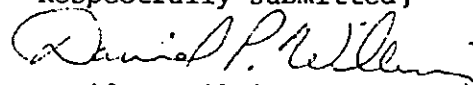
Arbuckle	3758-3767'	Circulation samples; Dolomite; white; large crystalline to sucrosic porosity with traces of vuggular dissolution; fair show gas; fair to good odor; fair fluorescence; trace gillsonitic residue with trace show oil; Chert; white; opaque, vitrious; sharp; Covered by DST #1; Recommend perforation 3762-3766'.
Arbuckle	3780-3782'	Poor sample due to proximity to DST #1; however, after review of cased-hole electric logs it is recommended that this interval be perforated prior to abandonment of well.
Arbuckle	3788-3792'	Circulation samples; Dolomite; medium-crystalline to sucrosic with deep vuggular dissolution; show oil/gas; faint odor; faint fluorescence; Recommend perforation of interval prior to well abandonment. Covered by DST #2 and DST #3.
Arbuckle	3797-3802'	Circulation samples; Dolomite; white; medium to vuggular crystalline with fair to good intercrystalline porosity; show oil/gas; fair show; covered by DST #3 and DST #4. Recommend perforation prior to well abandonment.
Arbuckle	3809-3811'	Dolomite; white; fine pin-point to medium crystalline porosity with deep vuggular dissolution; good show oil/gas; good cut with acid; Covered by DST #4; Recommend perforation prior to well abandonment.

Note: Please refer to the Geologist's drilling time and sample log for any additional information. All depths used in this report are taken from sample/drilling time depths in view of no open-hole electric logs being successfully run.

SUMMARY

Structurally, the #1 Manath ran high to the immediately off-setting abandoned gas producer one location Northwest. In view of this structure position, positive recoveries of gas from DST #1, as well as very intriguing sample shows of oil/gas observed during the drilling operation, it was recommended that production casing be run in order to further evaluate the commercial potentials of this well. It should be noted that if lower zones within the Arbuckle Formation can achieve commercial production this well should be classified exempt from severance and possibly windfall profit taxes due to it either reviving an old field or creating a new field.

Respectfully submitted,



David P. Williams  
Petroleum Geologist

WOODMAN-IANNITTI DRILLING CO.

15.009.24123.0000

Date December 13, 1985

Company Westech Energy Company, Inc.

Lease Maneth Well No. 1

Legal Description E/2 SW SE, Sec. 29-20-15W, Barton County, Kansas

Well Depth 3900'

SURFACE INFORMATION

Depth Set 990' Size and Weight of Casing 8-5/8" x 23#

Number of Sacks 200 Lite/200 60/40 Poz Type of Cement Lite & Pozmix

Additives in Cement 3% CC, 2% Gel

Cementing Company HalCo (did circulate, plug down @ 11:45 PM, 12-6-85)

IF CASING IS RUN

Depth Set 3871' Size and Weight of Casing 5 1/2" x 14# J55

Number of Sacks 150 Type of Cement 50/50 Pozmix

Additives in Cement 18% Salt, 3/4 of 1% CFR2, 20 Bbl. Flush

Cementing Company HalCo (job complete @ 11:15 PM, 12-13-85)

IF WELL IS PLUGGED

Depth of Each Plug and Number of Sacks on Each \_\_\_\_\_

Type of Cement \_\_\_\_\_

Cement Additives \_\_\_\_\_

Cementing Company \_\_\_\_\_