

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 # 4549
Name Anadarko Petroleum Corporation
Address P. O. Box 351
City/State/Zip Liberal, Kansas 67901

Purchaser to be determined

Operator Contact Person Paul Gatlin
Phone 316-624-6253

Contractor: License # 5842
Name Gabbert-Jones, Inc.

Wellsite Geologist Jim Crawford
Phone (405) 235-1147

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
3/14/85 3/29/85 5/3/85
Spud Date Date Reached TD Completion Date
5907 5770
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1601 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

API NO. 15-129-20,748-0000
County Morton
SW SW Sec. 33 Twp. 32S Rge. 40 East West

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

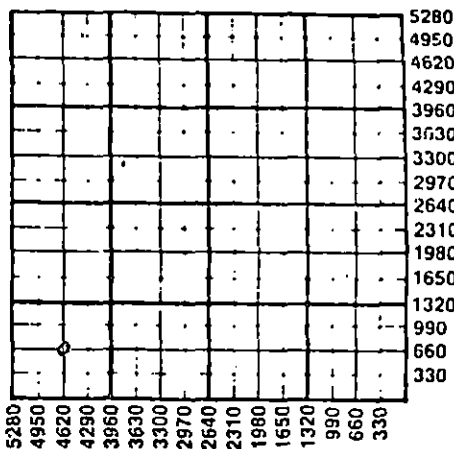
Lease Name Mangels "A" Well # 1

Field Name ~~Santa Fe Trail~~ Cimarron Valley

Producing Formation Morrow "D"

Elevation: Ground 3372 KB 3376

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water: T85-297
Division of Water Resources Permit #

Groundwater 660 Ft North from Southeast Corner
(Well) 4770 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 duplicate and filed with the Kansas Corporation Commission, 200 Colorado Dorby 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 Paul Campbell
Title Division Production Manager Date Nov. 4, 1985

Subscribed and sworn to before me this 4th day of November 1985
Notary Public Beverly J. Williams

Date Commission Expires November 21, 1986

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

RECEIVED STATE CORPORATION COMMISSION

BEVERLY J. WILLIAMS
Seward County, Kansas
By Acol. Exp. 11/21/86

11-6-85 NOV 6 1985

Sec. 33 Twp. 32S Rge. 40 W

Operator Name Anadarko Petroleum Corporation Lease Name Mangels "A" Well # 1

Sec. 33 Twp. 32S Rge. 40 East West County Morton

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

Schlumberger ran Dual Induction/SFL w/GR and Compensated Neutron Lithodensity w/GR.

DST #1 5417-5535 (Morrow) 30-60-60-120, open w/strong blow, GTS 7 min in 2nd open. GV 169 MCFD stab, rec 547' GCM. IHP 2653, IFP 198-264, ISIP 919, FFP 198-204, FSIP 870, FHP 2653.

Name	Top	Bottom
Sand-Redbed	0'	659'
Redbed	659'	800'
Redbed-Anhy-Sand	800'	1135'
Anhy-Sand	1135'	1587'
Anhy	1587'	1602'
Redbed	1602'	1650'
Redbed-Lime-Shale	1650'	2030'
Lime-Shale	2030'	5907'
TD	5907'	

CONFIDENTIAL

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
Surface	12-1/4	8-5/8	24	1601	Litewate Common	550 200	3% CaCl 3% CaCl
Production	7-7/8	4-1/2	10.5	5907	Litewate Pozmix	50 250	.75% D-65 .5% D-65
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	5822-34			A/1200 gals 15% HCl + 30 BS		5822-34	
2	5556-62			1000 gals trtd diesel		5556-62	
2	5288-5301						
2	5527-40			1500 gals 7-1/2% FE & 45 BS + 500 SCF N ₂ /bbl.		5527-40	
TUBING RECORD		Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2-3/8	5510	5510*			
Date of First Production		Producing Method					
		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Specify).....					
SI WOPL		RELEASED					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
		Bbls	2300 MCF	0 Bbls			

SEP 16 1987

FROM CONFIDENTIAL

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) Morrow "D"
 Used on Lease Dually Completed Commingled
 ... 5288-5301

*At this time the packer is plugged and serves as a bridge plug.

GABBERT-JONES, INC
WICHITA, KANSAS
DRILLERS WELL LOG

MANGELS "A" #1
SW SW Sec. 33-32S-40W
Morton Co, Kansas

Commenced: 3-14-85

Completed: 3-31-85

Operator: ANADARKO PRODUCTION COMPANY

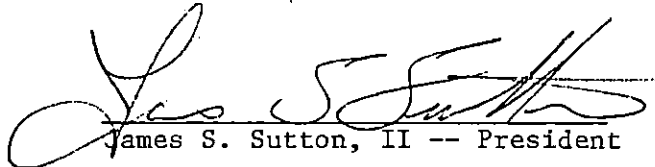
CONFIDENTIAL
JUN 10 1985

State Geological Survey
WICHITA BRANCH

Depth		Formation	Remarks
From	To		
0	659	Sand-Redbed	
659	800	Redbed	Ran 38 jts of 24# 8 5/8"
800	1135	Redbed-Anhy-Sand	csg set @ 1601' cemented
1135	1587	Anhy-Sand	W/550 sks Posmix - 4% Gel
1587	1602	Anhy	2% CC- 200 sks Common
1602	1650	Redbed	2% CC PD @ 4:45AM
1650	2030	Redbed-Lime-Shale	3-16-85
2030	5907	Lime-Shale	
5907-TD			Ran 137 jts of 10 1/2 # 4 1/2 " csg set @ 5907 Cemented W/50sks Light 250 sks 50/50 Posmix 10% Salt PD @ 7:00 AM 3-31-85

State of Kansas)
) I, the undersigned, being duly sworn on oath, state
County of Sedgwick) that the above Drillers' Well Log is true and correct
) to the best of my knowledge and belief and according
) to the records of this office.

GABBERT-JONES, INC.


James S. Sutton, II -- President

Subscribed & sworn to before me this
16 day of April, 1985.


Lola Lenore Costa

My Commission expires November 21, 1988

RELEASED
SEP 16 1987
RECEIVED
STATE CORPORATION COMMISSION
FROM CONFIDENTIAL
JUN 10 1985
CONSERVATION DIVISION
Wichita, Kansas

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

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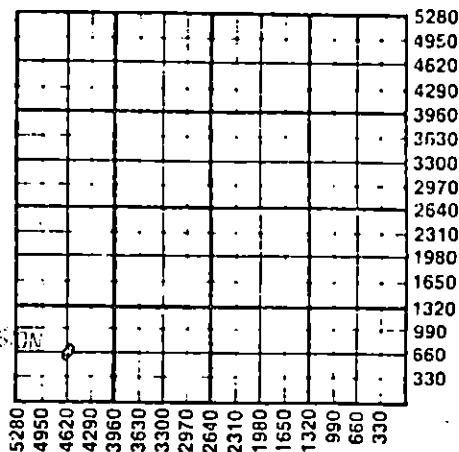
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Signature Paul Campbell
Title Division Operations Manager Date 5/24/85

Subscribed and sworn to before me this 31st day of May 1985

Notary Public Elizabeth J. ...

Date Commission Expires

LIVABLE J. J. ...
Seward County, Kansas
My Appt. Expires 7-26-81

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

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TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Size 2-3/8	Set At 5510	Packer at 5510*				
Date of First Production		Producing Method					
SI WOPL		<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	Gas	Water	Gas-Oil Ratio	Gravity	
0 Bbls		2300 MCF	0 Bbls			Morrow "D"	

RELEASED...
 SEP 16 1987
 FROM CONFIDENTIAL
 CFPB

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