

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 # 9620
name Mid-Tech Oil Operations
address 213 E. 16th St.
Hays, KS 67601
City/State/Zip

Operator Contact Person (913) 738-3210
Phone Carmen Schmidt
& C+C Exploration Kc-Kcc
Contractor: license # 5143
name Buffalo Drilling Co., Inc.

Wellsite Geologist Randy Davis
Phone

PURCHASER

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
11-16-84 11-23-84 11-24-84
Spud Date Date Reached TD Completion Date

3718'
Total Depth PBDT Randy Davis

Amount of Surface Pipe Set and Cemented at 411' 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- 051-23,078-00-00
County Ellis
SE NW NE Sec. 29 Twp. 14S Rge. 18 X West
4290 Ft North from Southeast Corner of Section
1650 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

Lease Name Engel 'A' Well# 1

Field Name

Producing Formation

Elevation: Ground 2083 KB 2088

Section Plat

Section Plat grid with coordinates 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330. Includes 'RECEIVED' stamp and date FEB 20 1985.

RECEIVED
STATE CORPORATION COMMISSION
FEB 20 1985
02-20-85
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #

Groundwater 2083 Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge East West

Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge East West

Other (explain) 051-23,078 Hays City
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring

Docket # 4290 1650

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. Rules 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.

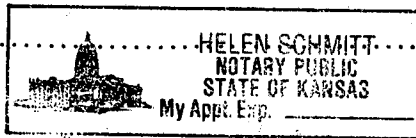
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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 Carmen Schmidt
Title Date 2-12-85

Subscribed and sworn to before me this 12 day of Feb 19 85

Notary Public Helen Schmitt
Date Commission Expires 11/04/87



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

SIDE TWO

Operator Name Mid-Tech Oil Operations Lease Name Engel "A" Well # 1

Sec. 29 Twp. 14S Rge. 18W East West County Ellis

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 3534-60 30-45-30-45
 Recovery: 20' mud
 IHP 1917
 IFP 42-42
 ISIP 1091 FSIP 1059
 FFP 42-42
 FHP 1907
 BHT 106 F

DST #2 3555-81 30-60-30-60
 Recovery: 134' muddy salt water
 IHP 1800
 IFP 42-52
 ISIP 1165
 FFP 74-74
 FSIP 1165
 FHP 1758
 BHT 108 F

Name	Top	Bottom
Anhydrite	1310	
Base Anhydrite	1352	
Topeka	3093	
Heebner	3345	
Toronto	3370	
Lansing	3395	
Base KC	3621	
Marmaton	3669	
TD	3718	

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	23	412	60-40	275 325	2% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method <input 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	
		Bbls	MCF	Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

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