

STATE CORPORATION COMMISSION OF KANSAS, CONSERVATION DIVISION

PRODUCTIVITY TEST
BARREL TEST

OPERATOR Wabash Energy Corporation LOCATION OF WELL NW-NE
 LEASE Stieckert Acc II OF SEC. 1 T 18 S R 32W
 WELL NO. # 6 COUNTY Scott Co.
 FIELD Keystone PRODUCING FORMATION Cherokee LS
 Date Taken 12-27-95 Date Effective _____
 Well Depth 4608 Top Prod. Form _____ Perfs 4552-57
 Casing: Size 5 1/2 Wt. 15.50 # Depth 4664 Acid YES
 Tubing: Size 2 3/4 Depth of Perfs 4566 Gravity 30
 Pump: Type _____ Bore _____ Purchaser Teacoco
 Well Status Pumping
 Pumping, flowing, etc.

TEST DATA

Permanent _____ Field _____ Special _____
 Flowing _____ Swabbing _____ Pumping X

STATUS BEFORE TEST:

PRODUCED 24 HOURS

SHUT IN _____ HOURS

DURATION OF TEST _____ HOURS 1 MINUTES 30 SECONDS

GAUGES: WATER 80% INCHES _____ PERCENTAGE

OIL 20% INCHES _____ PERCENTAGE

GROSS FLUID PRODUCTION RATE (BARRELS PER DAY) 114

WATER PRODUCTION RATE (BARRELS PER DAY) 91.2

OIL PRODUCTION RATE (BARRELS PER DAY) 22.8 PRODUCTIVITY

STROKES PER MINUTE 11

LENGTH OF STROKE 74" INCHES

REGULAR PRODUCING SCHEDULE 24 HOURS PER DAY.

COMMENTS Test done 5 gal bucket

RECEIVED
 STATE CORPORATION COMMISSION
 JAN 05 1996
 5-96
 CONSERVATION DIVISION
 STATE OF KANSAS

WITNESSES:

Keris D. Stahl
FOR STATE

Ken Pfeiffer
FOR OPERATOR

FOR OFFSET

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company Lease Well No.

County Location Section Township Range Acres

Field Reservoir Pipeline Connection

Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At

Production Method: Type Fluid Production API Gravity of Liquid/Oil

Flowing Pumping Gas Lift Casing Size Weight I.D. Set At Perforations To

Tubing Size Weight I.D. Set At Perforations To

Pretest: Duration Hrs.

Starting Date Time Ending Date Time

Test: Duration Hrs.

Starting Date Time Ending Date Time

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Separator Pressure Choke Size

Casing: Tubing:

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:										
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections Orifice Meter Range

Pipe Taps: Flange Taps: Differential: Static Pressure:

Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure			Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
			In.Water	In.Merc.	Psig or (Pd)			
Orifice Meter								
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(CWTC)	Meter-Prover Press.(Psia)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)

Gas Prod. MCFD Oil Prod. Bbls./Day Gas/Oil Ratio (GOR) = Cubic Ft. per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the _____ day of _____ 19____

For Offset Operator

For State

For Company

WATER ANALYSIS REPORT

TRETOLITE DIVISION

Company : Wabash Energy
 Address :
 Lease : Strecker #17 171-204-92
 Well : #06
 Sample Pt. :
 Date : 07/31/95
 Date Sampled : 07/19/95
 Analysis No. :
 1-185-320 1980 FLS 1980 EST
 15-171-20492-0000

ANALYSIS		mg/L		* meq/L
1. pH	5.6			
2. H2S	Positive			
3. Specific Gravity	1.021			
4. Total Dissolved Solids		36951.7		
5. Suspended Solids				
6. Dissolved Oxygen				
7. Dissolved CO2				
8. Oil In Water				
9. Phenolphthalein Alkalinity (CaCO3)				
10. Methyl Orange Alkalinity (CaCO3)		10.0		
11. Bicarbonate	HCO3	12.2	HCO3	0.2
12. Chloride	Cl	21048.7	Cl	593.8
13. Sulfate	SO4	2125.0	SO4	44.3
14. Calcium	Ca	3254.5	Ca	162.4
15. Magnesium	Mg	619.9	Mg	51.0
16. Sodium (calculated)	Na	9766.4	Na	424.8
17. Iron	Fe	125.0		
18. Barium	Ba	0.0		
19. Strontium	Sr	0.0		
20. Total Hardness (CaCO3)		10679.6		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt	X meq/L	= mg/L
162 *Ca <----- *HCO3	Ca(HCO3)2	81.0	0.2	16
51 *Mg -----> *SO4	CaSO4	68.1	44.3	3012
425 *Na -----> *Cl	CaCl2	55.5	117.9	6545
	Mg(HCO3)2	73.2		
	MgSO4	60.2		
	MgCl2	47.6	51.0	2428
	NaHCO3	84.0		
	Na2SO4	71.0		
	NaCl	58.4	424.8	24826

REMARKS: Bill Daily
 Sales Engineer

Petrolite Oilfield Chemicals Group
 Mid-Continent Region
 5601 Northwest 72nd, Suite 324
 Oklahoma City, OK 73132

Respectfully submitted,
 R. Rush Blaz



Mid-Continent Region
 Technical Services
 5801 West 10th Street
 Great Bend, Kansas 67530
 (316) 792-7728

TRETOLITE DIVISION

SCALE TENDENCY REPORT

Company : Wabash Energy Date : 07/31/95
 Address : Date Sampled : 07/19/95
 Lease : Strecker Analysis No. :
 Well : #46 Analyst : R. Rush Blaz
 Sample Pt. :

**STABILITY INDEX CALCULATIONS
 (Stiff-Davis Method)
 CaCO3 Scaling Tendency**

S.I. = -2.1 at 80 deg. F or 27 deg. C
 S.I. = -2.0 at 100 deg. F or 38 deg. C
 S.I. = -1.9 at 125 deg. F or 52 deg. C
 S.I. = -1.8 at 150 deg. F or 66 deg. C
 S.I. = -1.7 at 180 deg. F or 82 deg. C

**CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
 (Skillman-McDonald-Stiff Method)
 Calcium Sulfate**

S = 2639 at 80 deg. F or 27 deg C
 S = 2736 at 100 deg. F or 38 deg C
 S = 2765 at 125 deg. F or 52 deg C
 S = 2742 at 150 deg. F or 66 deg C
 S = 2645 at 180 deg. F or 82 deg C

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