

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 # 5941  
name ROSEL ENERGY, INC.  
address P.O. Box 1068  
Liberal, Kansas 67901  
City/State/Zip

Operator Contact Person GEORGE D. ROSEL  
Phone 316-624-4994

Contractor: license # 5879  
name J. B. Bohannon Drilling Company

Wellsite Geologist Herb Deines  
Phone 913-625-3380

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

OWWO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable  
11-14-84 11-26-84 12-10-84  
Start Date Date Reached TD Completion Date

6650'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 1657 feet

Multiple Stage Cementing Collar Used?  Yes  No

If Yes, Show Depth Set feet

Alternate 2 completion, cement circulated  
m feet depth to w/ SX cmt

API NO. 15-175-20,793-00-00

County Seward  
145' N & 145' W of  
C NW SE Sec 19 Twp 34 Rge 34

2125' Ft North from Southeast Corner of Section  
2125' Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

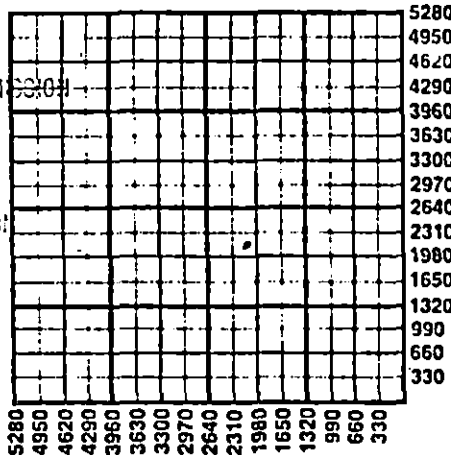
Lease Name Heston Well# 1

Field Name R.G.

Producing Formation Basal Chester

Elevation: Ground 2956' KB 2968'

Section Plat



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CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # T 84-767

Groundwater 2310' FEL Ft North From Southeast Corner and  
(Well) 990' FEL Ft West From Southeast Corner of  
19 Sec 34 Twp 34 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) (purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring

Docket #

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 confidentiality in excess of 12 months.

A 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 temporarily abandoned wells.

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: [Signature]  
Title: President Date: 12-13-84

Subscribed and sworn to before me this 13th day of December, 1984

Notary Public: JOCELYN F. CALLAHAN  
Notary Public  
My Commission Expires 11-28-87  
Signature: J. Callahan

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)

Form ACO-1  
(This form supersedes previous forms ACO-1 & C-10)

Sec. 19 Twp. 34 Rge. 34

Operator Name Rosel Energy, Inc. Lease Name Heston Well# 1 SEC. 19 TWP. 34 RGE. 34  East  West

**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

Name	Top	Bottom
Heebner Shale	4288	-1320
Toronto Lime	4306	-1338
Lansing/Kansas City	4402	-1434
Marmaton Lime	5163	-2195
Morrow Shale	5866	-2898
Miss/Chester	6184	-3216
Miss/ St. Gen	6526	-3558
RTD	6590	-3622

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 MAY 23 1986  
 FROM 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 1/2"	8 5/8	23	1657	Lite Class H	500	2% CC
						200	3% CC
Production	7 1/2"	5 1/2	1000# 15.5 5590# 14#	6590	Hal. Lime 50-50 POZ.	50 260	2% gel-12%# gi sqr.ite. 10% ga
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
3	6513-16						
3	6413-6491						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method <input type="checkbox"/> flowing <input checked="" 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		
	40 Bbls	MCF	100 Bbls	CFPB			

Disposition of gas:  vented  sold  used on lease  
 METHOD OF COMPLETION:  open hole  perforation  other (specify) .....  
 Dually Completed.  Commingled  
 PRODUCTION INTERVAL: 6491 - 6516

CONFIDENTIAL

AFFIDAVIT OF DEVELOPMENT WELL

STATE OF KANSAS, COUNTY OF SEWARD, SS:

I, George D. Rosel, President of Rosel Energy, Inc., disposes and states as follows:

1. That Rosel Energy, Inc., has drilled and is the Operator of the Heston #1 well located in Seward County, Kansas. That the exact location of said well is as follows:

145' North and 145' West of the Center of the Northwest Quarter of the Southeast Quarter (C NW SE) of Section Nineteen (19), Township Thirty-four (34), Range Thirty-four (34), Seward County, Kansas

2. That said lease is known as the Heston Lease.

3. That the formation from which said well is producing is known as the Basal Chester.

4. That said well is producing from the following depths of the Basal Chester - 6491'-6516'.

5. That a State Test was taken on the 29th day of December, 1984, to determine the volume of oil, gas and water of said well. That the results of said test are attached hereto and made a part of this Affidavit.

6. That production of said well commenced on the first day of January, 1985.

7. That Koch Oil Company is the crude oil purchaser for said well. That crude was delivered to said purchaser on the first day of January, 1985.

8. That Douglas Energy has applied for and has been issued a new pool discovery on their Roy Green #1, located in the Southwest Quarter (SW/4) of Section 19, Township 34, Range 34, Seward County, Kansas.

9. That all pertinent data, e.i., electric logs, maps of area, geological contours, etc., for the Heston #1 are attached hereto and made a part of this Affidavit.

10. That George D. Rosel, the above named President of Rosel Energy, Inc., is of the opinion that this well will not cause waste if it is granted a development allowable based on the Douglas Energy Roy Green #1.

Further Affiant saith naught.

Dated this 23<sup>rd</sup> day of January, 1985.

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JAN 25 1985

CONSERVATION DIVISION  
Wichita, Kansas

ROSEL ENERGY, INC.

*[Handwritten Signature]*  
George D. Rosel President

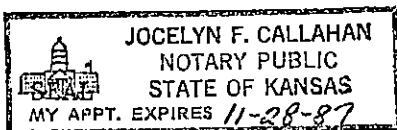
FEB 13 1985

State Geological Survey  
WICHITA BRANCH

STATE OF KANSAS, COUNTY OF SEWARD, SS:

Subscribed and sworn to before me this 23<sup>rd</sup> day of January, 1985.

*[Handwritten Signature]*  
Notary Public



TP 5

STATE OF KANSAS - CORPORATION COMMISSION

PRODUCTION TEST & GOR REPORT

CONFIDENTIAL Form C-5 Revised

Conservation Division

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE:

Company ROSEL ENERGY, INC. Lease NESTON Well No. 1

County SEWARD Location C NW SE 19 Township 34 Range 34W Acres

Field BASAL CHESTER Reservoir Pipeline Connection

Completion Date 12/17/84 Type Completion(Describe) SINGLE Plug Back T.D. 6573 Packer Set At

Production Method: Flowing Pumping Gas Lift Type Fluid Production OIL API Gravity of Liquid/Oil

Casing Size 5 1/2 Weight 1000' - 15.5# I.D. Set At Perforations To 6590' 6491' 6516'

Tubing Size 2 3/8 Weight 4.7# I.D. Set At Perforations To 6445'

Pretest: Starting Date 12/27/84 Time 9:00 A.M. Ending Date 12/28/84 Time 9 A.M. Duration Hrs. 24 HRS

Test: Starting Date 12/28/84 Time 9:00 A.M. Ending Date 12/29/84 Time 9:00 A.M. Duration Hrs. 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Separator Pressure Choke Size

Casing: Tubing: 30.0 20.0

Table with columns: Bbls./In., Tank, Starting Gauge, Ending Gauge, Net Prod. Bbls. (Water, Oil). Includes data for Pretest and Test.

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections Orifice Meter Range

Pipe Taps: Flange Taps: Differential: Static Pressure:

Table with columns: Measuring Device, Run-Prover-Tester Size, Orifice Size, Meter-Prover-Tester Pressure, Diff. Press., Gravity Gas (Gg), Flowing Temp. (t). Includes data for Orifice Meter and Well Tester.

GAS FLOW RATE CALCULATIONS (R)

Table with columns: Ccoeff. MCFD (Fb)(Fp)(OWTC), Meter-Prover Press. (Psia)(Pm), Extension, Gravity Factor (Fg), Flowing Temp. Factor (Ft), Deviation Factor (Fpv), Chart Factor (Fd).

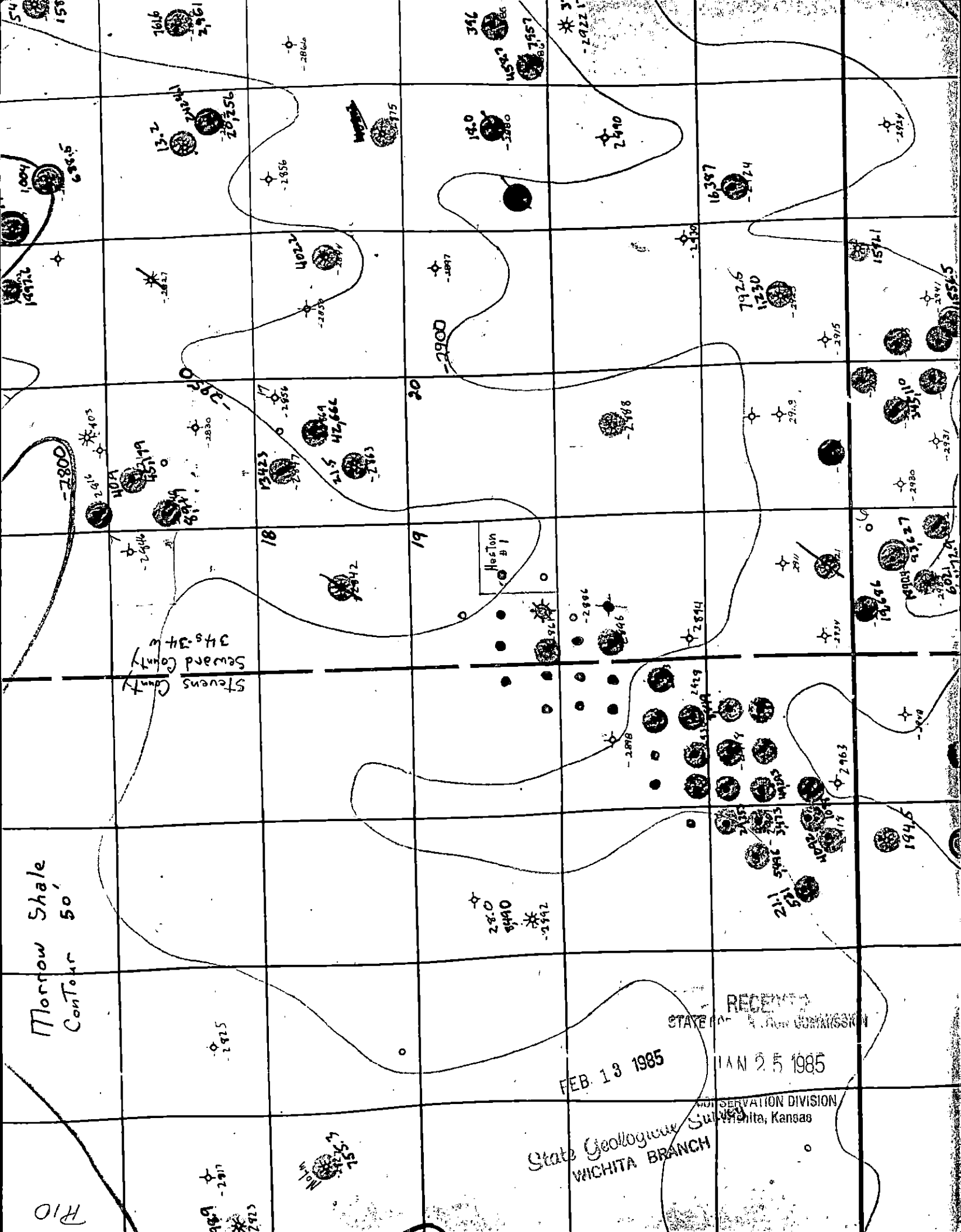
Gas Prod. MCFD Flow Rate (R): 129 MCF Oil Prod. Bbls./Day: 222 Gas/Oil Ratio (GOR) = .581 Cubic Ft. per Bbl.

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 Ken Beckey For State

RECEIVED State Geological Survey WICHITA BRANCH JAN 25 1985 CONSERVATION DIVISION Wichita, Kansas

Gas is going to Phillips



Morrow Shale  
Contour 50'

Stevens County  
Seward County

18

19

20

Heston #1

Barr

R10

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FEB. 13 1985

MAR 25 1985

CONSERVATION DIVISION  
Wichita, Kansas  
State Geologist  
WICHITA BRANCH

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Chester Sand  
Sand Isopach  
10' Interval

P10

DALLAS ENERGY, INC. IMBLEY ACRES

NEW  
WELL

DOUGLAS ENERGY  
ROY & REED 52  
FLOWING FLOWING

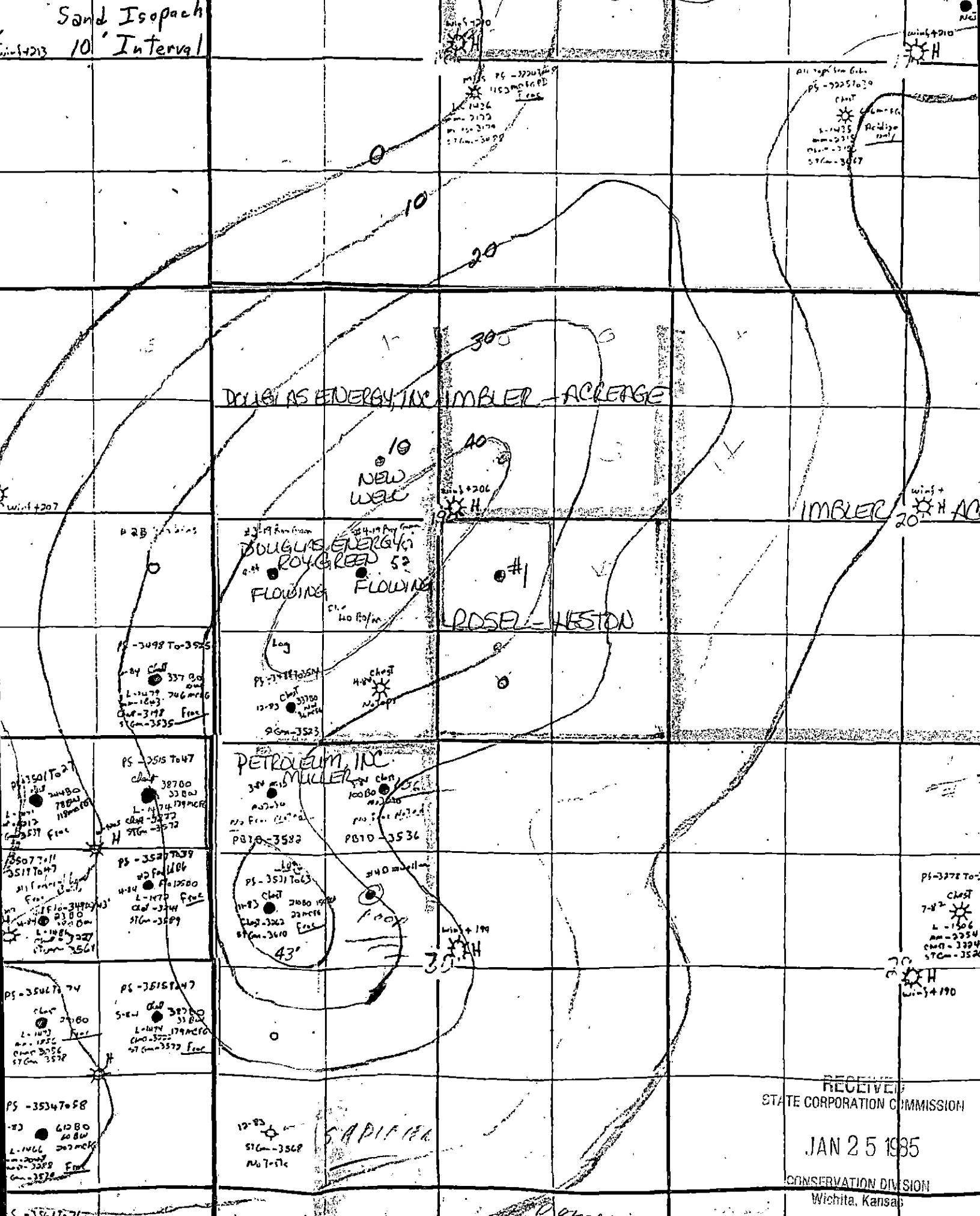
ROSEL - HESTON

PETROLEUM, INC.  
MULLER

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JAN 25 1935

CONSERVATION DIVISION  
Wichita, Kansas



HERB DEINES, CONSULTING GEOLOGIST

108 West 35th, Hays, Ks.

December 3, 1984

GEOLOGIC REPORT

Rosel Energy, Inc.-Heston #1  
NW SE Sec. 19-34s-34w  
Seward County, Kansas  
Commenced: 11-14-84  
Completed: 11-26-84

Pipe Record:  
8 5/8"@ 1657' 200 sxs. Class H 3%CC  
500 sxs. Halliburton Lite 2% CC  
5 1/2"@ 6588'  
Drilled by: J.B. Bohannon Drlg. Co.

Elevation 2968' K.B.

2956' G.L.

\_\_\_\_\_ D.F.

FORMATION DATA

(Corrected to R. A. Guard)

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>
Heebner Shale.....	4288 .....	-1320
Toronto Lime.....	4306 .....	-1338
Lansing-Kansas City.....	4402 .....	-1434
Marmaton Lime.....	5163 .....	-2195
Morrow Shale.....	5866 .....	-2898
Mississippi -Chester.....	6184 .....	-3216
Mississippi-Ste. Genevieve.....	6526 .....	-3558
RTD.....	6590 .....	-3622

Cores: None

Drill Stem Tests: None

Electric Logs: Rosel Perforators (3) Micro-Electrical Log  
Dual Induction Log  
Compensated Neutron & B.H.C.  
Density Log

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Wichita, Kansas

FORMATION DESCRIPTIONS

No shows were noted in the Toronto limestone, Lansing-Kansas City, Marmaton, Cherokee, and Atoka formations.

Morrow Shale 5866-6184

No shows of oil were noted in this section. A 19 unit response was noted on the gas detector hot wire test in the log interval, 6130-6150.

Chester-Mississippi 6184-6526

No shows of oil were noted in the upper section of this interval. A 25 unit response was noted on the gas detector hot wire test in the log interval 6200-6225.

A show of free oil with a very good streaming wet cut was noted in the log interval 6462-6475 in a tan, well-sorted, very fine-grained to fine-grained, friable, quartz sandstone. The gas detector had an increase of 25 units through this interval.

A show of free oil with a very good wet cut was observed in the log interval 6492-6518 in a tan to clear, fine-grained, well-sorted, friable sandstone. The gas detector registered a 25 unit increase through this interval.

Ste. Genevieve 6526 to RTD.

No shows were noted in this interval.

FEB 18 1985

State Geol  
WICHITA STATE H

Jurvey

RECOMMENDATIONS

It was recommended and concurred to run casing to further test and develop this well. The primary producing horizons are in the lower Chester section in two developed sands. Some potential may exist in the upper Chester in the log interval 6200-6225 and in the lower Morrow in the log interval 6130-6150 based on positive responses by the on-site hot wire gas detector.

Respectfully submitted,

*Herb Deines*

Herb Deines  
Consulting Geologist

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Wichita, Kansas