

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

15-163-23,130 -00 -00

API NO. 15-

County Rooks

SW SE SE Sec. 9 Twp. 9S Rge. 19  East West

330 Ft. North from Southeast Corner of Section

990 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

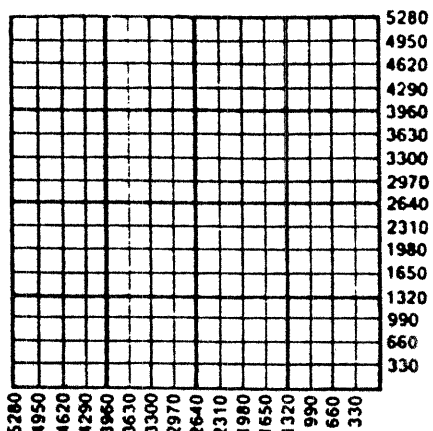
Lease Name HERONEME Well # 1-9

Field Name Wildcat

Producing Formation LKC

Elevation: Ground 2056 KB 2061

Total Depth 3550' PBD



ALD DRA

Amount of Surface Pipe Set and Cemented at 204' Feet

Multiple Stage Cementing Collar Used? Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 204

feet depth to surface w/ 135 sx cmt.

Operator: License # 30075

Name: Shamrock Resources, Inc.

Address 100 North Main, Suite 802

City/State/Zip Wichita, KS 67202

Purchaser: \_\_\_\_\_

Operator Contact Person: Pat Deenihan

Phone (316) 262-7106

Contractor: Name: Rains & Williamson Oil Co., Inc.

License: 5146

Wellsite Geologist: Pat Deenihan

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

12-10-90 12-15-90 12-15-90

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Patricia Deenihan

Title President Date 1-7-91

Subscribed and sworn to before me this 7<sup>th</sup> day of January 19 90.

Notary Public Sandra J. Follis

Date Commission Expires May 13, 1991

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Wireline Log Received

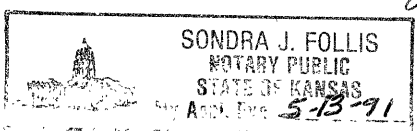
C  Drillers Timelog Received

Distribution

KCC  SWD/Rep  NGPA

KGS  Plug  Other (Specify)

Form ACO-1 (7-89)



JAN 7 1991  
1-7-91  
CONSERVATION DIVISION  
Wichita Kansas

**SIDE TWO**

Operator Name Shamrock Resources, Inc. Lease Name HERONEME Well # 1-9  
 Sec. 9 Twp. 9S Rge. 19  East County Rooks  
 West

**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  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

See additional sheets for DST

**Formation Description**

Log  Sample

Name	Top	Bottom
Anhydrite	1458	1494
Lansing	3269	
BKC	3500	
T.D.	3550	

**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"	20#	204'	60-40 poz.	135	2% gel, 3% cc.

**PERFORATION RECORD**

Shots Per Foot Specify Footage of Each Interval Perforated

**Acid, Fracture, Shot, Cement Squeeze Record**  
 (Amount and Kind of Material Used) Depth


**TUBING RECORD**

Size Set At Packer At

Liner Run  Yes  No

Date of First Production

Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours

Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:

Vented  Sold  Used on Lease  
 (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval

\_\_\_\_\_  
 \_\_\_\_\_

ORIGINAL

DRILLER'S LOG

COMPANY: Shamrock Resources, Inc.

SEC. 9 T. 9S R. 19W

WELL NAME: HERONEME #1-9

LOC. SW SE SE

COUNTY: Rooks

RIG NO. #11

TOTAL DEPTH 3534'

ELEVATION

COMMENCED: 12-10-90

COMPLETED: 12-15-90

CONTRACTOR: Rains & Williamson Oil Co., Inc.

CASING RECORD:

SURFACE: 8 5/8" @ 204' w/135 sx. 60-40 poz., 2% gel, 3% cc.

PRODUCTION:

D&A

LOG

(Figures Indicate Bottom of Formations)

Sand and Limestone	210
Sand and Shale	885
Lime, Shale and Sand	1235
Lime and Shale	1485
Anhydrite	1500
Shale	1835
Lime and Shale	3250
Lime	3410
Lime and Shale	3534
Rotary Total Depth	3534

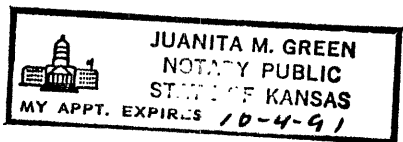
RECEIVED  
 STATE CORPORATION COMMISSION  
 JAN 7 1991  
 CONSERVATION

STATE OF KANSAS )  
 COUNTY OF SEDGWICK )

SS:

I, Wilson Rains, President of Rains & Williamson Oil Co., Inc.

upon oath state that the above and foregoing is a true and correct copy of the log of the HERONEME #1-9 well.



Wilson Rains  
 WILSON RAINS

Subscribed and sworn to before me this 27th day of December, 1990.

My Appointment Expires:

10-4-91

Juanita M. Green  
 Juanita M. Green - Notary Public



ORIGINAL

INFORMATION TESTING

TICKET No 17101

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation 2061 G.H. Formation LANS.

Eff. Pay

COMPANY NAME Sham Rock Resources Inc. ADDRESS 100 N. MAIN #802 - Wichita, Ks. 67202 LEASE AND WELL NO. HERONEME 1-9 COUNTY ROOKS STATE KS Sec. 9 Twp. 9S Rge. 19E Mail Invoice To SAME Heroneme Co. Name SAME Heroneme Address #119 No. Copies Requested Reg

Formation Test No 1 Interval Tested From 3389 ft. to 3430 ft. Total Depth 3430 ft. Packer Depth 3384 ft. Size 6 3/4 in. Packer Depth 3389 ft. Size 6 3/4 in. Packer Depth ft. Size in. Depth of Selective Zone Set Top Recorder Depth (Inside) 3420 ft. Bottom Recorder Depth (Outside) 3423 ft. Recorder Number 11018 Cap. 4425 Recorder Number 13629 Cap. 4425 Recorder Number Cap. Drilling Contractor RTW #11 Mud Type Chem. Viscosity 42 Weight 9.3 Water Loss 8.0 cc. Chlorides 4,000 P.P.M. Jars: Make Serial Number Did Well Flow? NO Reversed Out NO

Blow: Weak - dead 15 min. I.F.P.I. NONE - F.F.P.I. Recovered 5 ft. of St. O.C.M. Recovered ft. of Recovered ft. of Recovered ft. of Recovered ft. of Chlorides P.P.M. Sample Jars used Remarks: Flushed Tool F.I.F.P.I.

Time On Location 10:30 A.M. Time Pick Up Tool 11:30 A.M. Time Off Location 5:30 A.M. Time Set Packer 1:10 P.M. Time Started Off Bottom 3:10 A.M. Maximum Temperature 111 Initial Hydrostatic Pressure Initial Flow Period (A) 11658 P.S.I. Initial Closed In Period (B) 30 Minutes 33 P.S.I. to (C) 33 P.S.I. Final Flow Period (D) 30 Minutes 66 P.S.I. Final Closed In Period (E) 30 Minutes 33 P.S.I. to (F) 44 P.S.I. Final Hydrostatic Pressure (G) 30 Minutes 66 P.S.I. (H) 1647 P.S.I.

COMPANY TERMS Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made. All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount. Test Approved by Frank S. [Signature] Signature of Customer of his authorized representative JAN 7 1991 Western Representative Dave [Signature] Thank you

FIELD INVOICE table with items: Open Hole Test \$550, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Teleconier

STATE CORPORATION COMMISSION CONSERVATION DIVISION Wichita, Kansas 1950

15-163-23130-00-00

913-483-2627, Russell, Kansas  
Phone 316-793-5861, Great Bend, Kansas

ORIGINAL  
New

Phone Plainville 913-434-2812  
Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC. N<sup>o</sup> 8973

Home Office P. O. Box 31 Russell, Kansas 67665

Date	12-15-90	Sec.	9	Twp.	9 <sup>s</sup>	Range	19 <sup>w</sup>	Called Out	2:00 P.M.	On Location	5:15 P.M.	Job Start	6:00 P.M.	Finish	8:30 P.M.	
Lease	Heroneme	Well No.	1-9	Location				Zurich 3N <sup>1</sup> / <sub>4</sub> NW	County	Rooks	State	Ks.				
Contractor	Rains & Williamson			Rig #11				Owner	Same							
Type Job	Plug															
Hole Size	7 7/8"			T.D.	3534'											
Csg.	8 7/8"			Depth	210'											
Tbg. Size				Depth												
Drill Pipe				Depth												
Tool				Depth												
Cement Left in Csg.				Shoe Joint												
Press Max.				Minimum	-											
Meas Line				Displace												
Perf.																

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Shamrock Resources  
Street 100 N. Main # 802  
City Wichita State KANSAS  
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. Larry Lindholm

### CEMENT

Amount Ordered	190 sks 6 <sup>0</sup> / <sub>40</sub> poz to 2 <sup>0</sup> / <sub>40</sub> w/	
Consisting of	1/4 # of floeal 1 sk #	
Common	114 sks @ 5.25/sk.	598.50
Poz. Mix	76 sks @ 2.25/sk.	171.00
Gel.	7 sks @ 6.75/sk. (Used 10 sks)	47.25
Chloride		
Quickset		
Floeal	48 # @ 1.00/116.	48.00

Handling	# 1.00/sk. (190 sks)	190.00
Mileage	@ 44/sk./mi. (211 mi.)	93.40
Sub Total		1138.35
Total		

### EQUIPMENT

No.	Cementer	Gary H.
Pumptrk 191	Helper	
No.	Cementer	Glen C.
Pumptrk	Helper	
	Driver	
Bulktrk #212	Driver	

### DEPTH of Job

Reference:	#8 Pumptruck - plug	# 380.00
	#13 mileage @ 2.00/mi.	22.00
	1-8 7/8" day hole plug	21.00
	Sub Total	423.00
	Tax	
	Total	

Remarks:  
 1<sup>st</sup> plug @ 1480' w/25 sks.  
 2<sup>nd</sup> plug @ 815' w/100 sks.  
 3<sup>rd</sup> plug @ 255' w/40 sks.  
 8 7/8" plug @ 40' w/10 sks to surface.  
 Plugged rat hole w/15 sks.

Floating Equipment Thanks

STATE CORPORATION  
 1911 7 1991  
 WICHITA, KANSAS

483-2627, Russell, Kansas  
 16-793-5861, Great Bend, Kansas

ORIGINAL  
 New

15-163-23170-00-00  
 Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC. N<sup>o</sup> 8966

Home Office P. O. Box 31

Russell, Kansas 67665

Day 12-10-90	Sec. 9	Twp. 9 <sup>s</sup>	Range 19 <sup>w</sup>	Called Out 10:00 A.M.	On Location 1:45 P.M.	Job Start 3:05 P.M.	Finish 3:30 P.M.
Lease Heroneme	Well No. 1-9	Location Zurich 31 1/2 NW			County Rooks	State Ks	

Contractor Rains & Williamson	Rig #11
Type Job Set surface pipe	
Hole Size 12 1/4"	T.D. 210'
Csg. 8 7/8"	Depth 210'
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. 12'	Shoe Joint
Press Max.	Minimum -
Meas Line	Displace X
Perf.	

EQUIPMENT		
Pumptrk	No. 191	Cementer Gary H. / Helper Wayne Mc
Pumptrk	No.	Cementer / Helper
Bulktrk #156		Driver Mark D.
Bulktrk		Driver

DEPTH of Job		
Reference: #1	Pumptruck-surface	\$380.00
#13	mileage @ 2.00/mi.	22.00
	1-8 7/8" wooden plug	42.00
	Sub Total	444.00
	Tax	
	Total	

Remarks: Cement Circulated

Owner Same  
 To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Shamrock Resources  
 Street 100 N Main #802  
 City Wichita State Kan 67202  
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.  
 X Larry G. [Signature]  
**CEMENT**

Amount Ordered	135 sks @ 9/40 per 2 bags, 3 b.c.c.
Consisting of	
Common	81 sks @ 5.25/sk. \$425.25
Poz. Mix	54 sks @ 2.25/sk. 121.50
Gel.	2 sks N/C.
Chloride	4 sks @ 21.00/sk. 84.00
Quickset	

Handling	e 1.00/sk. (135 sks)	135.00
Mileage	204 @ 1/sk./mi. (11 mi.)	59.40
Sub Total		825.15
Total		

Floating Equipment Thanks

STATE RECEIVED  
 1991  
 WICHITA, KANSAS