

ORIGINAL

SIDE ONE

963

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

API NO. 15- 179-20,913-0000

County Sheridan, Kansas
50' East of NE NW SW Sec. 4 Twp. 9S Rge. 26W East West

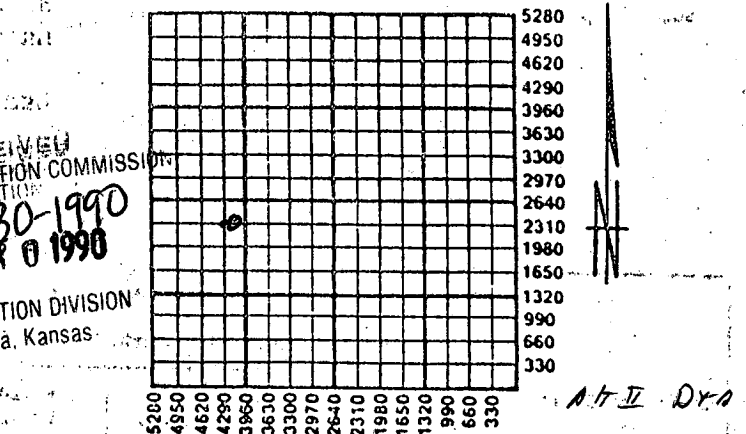
2310' Ft. North from Southeast Corner of Section
4240' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Minium Well # 1-4
Field Name Wildcat

Producing Formation N/A

Elevation: Ground 2547' KB 2558'

Total Depth 3949' PBDT N/A



Amount of Surface Pipe Set and Cemented at 214 @ 220' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Operator: License # 30075

Name: Shamrock Resources, Inc.

Address 100 North Main
Suite 802

City/State/Zip Wichita, Kansas 67202

Purchaser: N/a

Operator Contact Person: Patrick J. Deenihan

Phone (316) 262-7106

Contractor: Name: Lloyd Drilling Company

License: 3300

Wellsite Geologist: Kevin Howard

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

6-21-90 6-28-90 Plugged 6/29/90
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 Patrick J. Deenihan

Title President Date 6-23-90

Subscribed and sworn to before me this 23rd day of July, 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 Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

ORIGINAL

SIDE TWO

Operator Name Shamrock Resources, Inc. Lease Name Mimum Well # 1-4
 Sec. 4 Twp. 9S Rge. 26 East West
 County Sheridan

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 (Attach Additional Sheets.) <i>SEE ATTACHED</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Name Top Bottom Anhydrite 2150' (+408) 2182' (+376) Heebner 3655' (-1097) Lansing 3695' (-1137) BKC 3911' (-1353) LTD 3949' (-1391)
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

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"	20#	220'	60/40 Poz	140	3% Chloride <i>2% GEL</i>
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			
Size	Set At	Packer At					
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 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 _____

107-1-10-1
 1-20-1981
 1-20-1981

15-179-20963-00-00

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.
P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

TO: Shamrock Res. Inc. & Mid Cont. Energy
100 N. Main #802
Wichita, Kansas 67202

INVOICE NO. 56877
PURCHASE ORDER NO. _____
LEASE NAME Minium 1-4
DATE July 1, 1990

SERVICE AND MATERIALS AS FOLLOWS:

Common 120 sks @\$5.00	\$ 600.00	
Pozmix 80 sks @\$2.25	180.00	
Gel 7 sks @\$6.75	47.25	
Chloride 6 sks @\$20.00	<u>120.00</u>	\$ 947.25
Handling 200 sks @\$0.90	180.00	
Mileage (64) @\$0.03¢ per sk per mi	384.00	
Plugging	360.00	
Mi @\$1.00 pmp. trk.	64.00	
1 plug	<u>20.00</u>	<u>1,008.00</u>
	Total	\$ 1,955.25

- 25 sks. @2150'
- 100sks. @1350'
- 40 sks. @ 260'
- 10 sks. @ 40'
- 15 sks. in R. H.
- 10 sks. in M. H.

If account CURRENT 20% discount will be allowed ONLY if paid within 30 days from date of invoice.

THANK YOU

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

RECEIVED
STATE CORPORATION COMMISSION
STATE REGISTRATION

JUL 1 1990

CONSERVATION DIVISION
Wichita, Kansas

Caused by contamination of water or other fluids.

2627, Russell, Kansas
93-5861, Great Bend, Kansas

15-179-20962-00-00

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

ALLIED CEMENTING CO., INC. No. 9796
Home Office P. O. Box 3100, Russell, Kansas 67665

Date: 10-29-90
Lease: Minimum
Contractor: Lloyd's Drilling Co.
Type Job: Plug
Hole Size: 7 7/8"
Csg. Depth: 878'
Tbg. Size: 2 1/2"
Drill Pipe: 2 1/2"
Tool: 2 1/2"
Cement Left in Csg.: 200#
Press Max.: 200#
Meas Line: Displace
Perf.: 200 sks 6 1/4" o.z. 6 bag, 3 3/4" c.c.

Section: 4
Twp: 9S
Rang: 26W
Called Out: 10:00 P.M.
On Location: 1:00 A.M.
Job Start: 3:45 A.M.
Finish: 7:00 A.M.
Well No.: 1-4
Location: Studley W65242N/W4N
County: Sheridan
State: KS
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 Res. Inc. Mid-Cont. Energy Corp.
Street: 700 N. Main Suite 802
City: Wichita KS 67202
Purchase Order No. [Signature]
Amount Ordered: 200 sks 6 1/4" o.z. 6 bag, 3 3/4" c.c.

EQUIPMENT

No.	Cementer	Helper	Driver
Pumptrk #191	Gary H.	Wayne M.	
Pumptrk #192			Glenn C.
Bulktrk #193			
Bulktrk #194			

Consisting of

Item	Quantity	Price	Total
Common	120 sks @ 5.00/sk		600.00
Poz. Mix	80 sks @ 2.25/sk		180.00
Gel	7 sks @ 6.75/sk		47.25
Chloride	6 sks @ 20.00/sk		120.00
Quickset			
Handling	90 @ 2/sk (200 sks)		180.00
Mileage	0.03 @ 1/sk/mi (64 mi)		384.00
Sub. Total			1511.25

DEPTH of Job

Reference	Description	Cost
#9	Pumptruck-Plug	360.00
#8	1-8 7/8" day hole plug	20.00
#14	Mileage 21.00/mi	64.00
	Sub Total	444.00
	Tax	
	Total	

Floating Equipment: Thanks

Remarks: 1st plug @ 2150 w/25 sks.
2nd plug @ 1350 w/100 sks & 1sk hulls.
3rd plug @ 260 w/40 sks.
8 7/8" plug @ 40 w/10 sks to surface.
Plugged rat hole w/15 sks.

Conservation Division
Wichita, Kansas
Plugged mouse hole w/10 sks.

ALLIED CEMENTING CO., INC. No 9774

Home Office P. O. Box 31

Russell, Kansas 67665

6-21-90

ate 6-20-90	Sec. 4	Twp. 9	Range 26	Called Out 11:30 PM	On Location 2:30 AM	Job Start 3:00 AM	Finish 3:30 AM
Lease MINIMUM	Well No. #1-4	Location Studley 6 1/2 S 26 W 21 N 1/4			County Sheridan	State Kansas	
Contractor Lloyds Dalg Rtg 1				Owner Shamrock Resources INC.			
Type Job Surface				To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Hole Size 12 1/2"		T.D. 215'		Charge To LLOYDS Dalg			
Csg. 8 1/2"		Depth 210'		Street P.O. Box 59, Mo			
Tbg. Size		Depth		City Morland State Kan 67650			
Drill Pipe		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Tool		Depth		Purchase Order No.			
Cement Left in Csg. 15'		Shoe Joint		X			
Press Max.		Minimum		CEMENT			
Meas Line		Displace					
Perf.				Amount Ordered 147 SKS 2 1/2" 2 1/2" 2 1/2"			

EQUIPMENT

491 No.	Cementer	M. HANDEMAN
Pumptrk	Helper	W. L. ...
No.	Cementer	
Pumptrk	Helper	
#312	Driver	G. ...
Bulktrk		
Bulktrk	Driver	

DEPTH of Job

Reference: #	DINM L Trk	360.00
	1-2 1/2" 210'	40.00
	Mileage 1.00 per Mi.	60.00
	Sub Total	
	Tax	
	Total	460.00

Remarks:

Cement Circulated

RECEIVED
STATE CORPORATION COMMISSION
STATE CORPORATION

JUN 20 1990

CONSERVATION DIVISION
Wichita, Kansas

Consisting of			
Common	84	SKS @ 5.00	420.00
Poz. Mix	56	SKS @ 2.25	126.00
Gel.	3	SKS @ 6.75	20.25
Chloride	4	SKS @ 20.00	80.00
Quickset			

Sales Tax		
Handling	90¢	126.00
Mileage	3¢	252.00
Sub Total		
Total		1,004.00

Floating Equipment