



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, 4286-4360, 30-30-60-60, Rec. 180' GIP, 115' OCM, 10' O, FP: 137/137 148/148, BHP: 233/1114 HP: 2104/2073, BHT: 110°

DST #2, 4346-4394, 30-30-30-60, Rec. 70' M' w/few oil spots, FP: 105/105 105/137, BHP: 222/508 HP: 2156/2094, BHT: 118°

DST #3, 4346-4403, 30-30-60-60, Rec. 183' M w/Oil Spots, FP: 116/127 148/158, BHP: 1125/1135, HP: 2167/2156, BHT: 122°

Name	Top	Bottom
Anhydrite	1426 (+807)	
B. Anhydrite	1457 (+776)	
Heebner	3747 (-1514)	
Lansing	3799 (-1566)	
Stark Shale	4087 (-1854)	
Marmaton	4154 (-1921)	
Ft. Scott	4306 (-2073)	
Miss Osage	4389 (-2156)	
RTD	4408 (-2175)	

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	194	60/40 poz	140	3% cc, 2% gel
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	<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

15.135.23227.0000

203-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

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

# ALLIED CEMENTING CO., INC.

*New* Home Office P. O. Box 313 Russell, Kansas 67665 No. 1472

Date	3-24-88	Sec	24	Trp	20	Range	21	Called Out	4:00 P.M.	On Location	7:30 P.M.	Job Start	8:13 P.M.	Finish	8:45 P.M.
Lease	Rouland	Well No.	1	Location	Rayne	105-52-25	County	Ness	State	Ks					
Contractor	Mallard Joint Venture	Owner	Same												
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 1/4"	T.D.	205												
Csg.	8 3/8" 20lb	Depth	204'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15'	Shoe Joint													
Press Max.		Minimum													
Meas. Line		Displace	12.3												
Perf.															

Charge To: *Oil King Resources*  
 Street: *120 S. Market* Suite *518*  
 City: *Wichita* State: *Ks 67202*

The above was done to satisfaction and supervision of owner agent or contractor.  
 Purchase Order No. *Canfield 7/10*

### EQUIPMENT

No.	Cement	Make
Pumptrk. 46	Helper	<i>Don</i>
No.	Cement	
Pumptrk.	Helper	
	Driver	<i>John</i>
Bulktrk. 68	Driver	

Amount Ordered	140 60/40 22 3	3	
Consisting of	Common 84	5.00	420.00
	Poz. Mix 56	2.10	117.60
	Gel. 3	7.25	20.25
	Chloride 4	20.00	80.00
	Quickset		

DEPTH of Job		
Reference:	Pump Sck Mileage	360.00
	Pump Sck Chg.	26.00
	TWP	40.00
	Sub Total	
	Tax	
	Total	426.00

Handling	140	.75	105.00
Mileage	26		114.60
	Sub Total		
	Total		857.50

Remarks: *Cement Dred Calculate*  
*4 BBL*  
*Shank*  
*4800*

Floating Equipment: *None*  
 TOTAL \$ *1283.51*  
 Less Disc *256.70*  
 Net 30 Days \$ *1026.81*

2627, Russell, Kansas

Phone Plainville 913-434-2812

316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC. No. 3680

Home Office P. O. Box 31

Russell, Kansas 67665

*New*

Date **2-31-88** Sec. **24** Twp. **20** Range **21** Called Out **7:00 P.M.** On Location **9:00 P.M.** Job Start **11:00 P.M.** Finish **1:15 A.M.**

Lease **Rouland** Well No. **105-5E-3S** Location **Bozome** County **KS** State **KS**

Contractor **Mallard JV Inc.** Owner **Same**

Type Job **R Plug**

Hole Size **7 7/8** Depth **440'**

Csg. **4 1/2" x 14.40'**

Tbg. Size **4 1/2" x 14.40'**

Drill Pipe **4 1/2" x 14.40'**

Tool **Shoe Joint**

Cement **Left in Csg.**

Press Max. **Minimum**

Meas. **Displace**

Perf. **CEMENT**

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.

Charge **Wayne Stewart**  
Street **120 S. Market Suite 518**  
City **Wichita** State **KS 67202**

The above was done for satisfaction and supervision of owner agent or contractor.

Amount Ordered **215 60/40 67gel 38CC**

Consisting of

Common	129	5.00	645.00
Poz. Mix	86	2.10	180.60
Gel	13	6.75	87.75
Chloride	6	20.00	120.00
Quickset			
Sales Tax			

Handling	215	1.25	161.25
Mileage	26		182.52
Sub Total			
Total			1377.12

Floating Equipment **\$**

TOTAL **1783.12**

Less Disc **7 356.62**

Net **30**

Days **\$ 1426.50**

Pumptrk No. <b>46</b>	Cement	<b>Mike</b>
Helper		<b>John</b>
Pumptrk No. <b>68</b>	Cement	
Helper		<b>Kelly</b>
Driver		
Driver		
DEPTH of Job		
Reference		
<b>26</b>	<b>Pmp Jbk Chg</b>	<b>360.00</b>
<b>26</b>	<b>Pmp Jbk Mileage</b>	<b>26.00</b>
	<b>Wiper Plug</b>	<b>20.00</b>
	Sub. Total	
	Tax	
	Total	<b>406.00</b>
Remarks	<b>1st Plug 1440' w/ 50 SKs</b>	
	<b>2nd Plug 750' w/ 80 SKs</b>	
	<b>3rd Plug 240' w/ 50 SKs</b>	
	<b>4th Plug 40' w/ 10 SKs</b>	
	<b>R. Hope w/ 155 Ka</b>	

Mallard JV, Inc.  
P.O. Box 1009  
McPherson, KS 67460

DRILLERS' LOG

OPERATOR: Viking Resources  
120 S Market  
Suite 518  
Wichita, KS 67202-3819

WELL: Rowland #1

API#: 15-135-23,227

COMMENCED: March 24, 1988

LOCATION: S2 NE SW

COMPLETED: April 1, 1988

1650Ft. FSL, 3300 Ft. FEL

TOTAL DEPTH: 4408 Ft.

Sec. 24 Twp.20 S, Rge.21 W

ELEVATION:2225 Ft. G.L.

COUNTY: Ness

2233 Ft. K.B.

\*\*\*\*\*

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>
Surface	0'	1426'
Anhydrite	1426	1457
Shale	1457	2453
Shale, Lime	2453	4408 R.T.D. Miss.

REMARKS

Cut 12½" hole to 205' and ran 7 joints 8-5/8" x 20# x 194.36' surface casing. Set @ 203.86' & cemented w/140 sx 60/40 Pozmix, 3% cc, 2% gel. Cement did circulate. P.D. @ 8:45 3-24-88.

Ran 3 DST's.

Plugged hole w/215 sx 60/40 Pozmix, 6% gel, 3% cc as follows:

- 50 sx @ 1449'
- 80 sx @ 756'
- 50 sx @ 252'
- 10 sx @ 40' & wood plug
- 15 sx R.H., 10 sx M.H.
- P.D. @ 1:15 a.m. 4-1-88

RECEIVED  
STATE CORPORATION COMMISSION  
SEP - 9 1988  
CONSERVATION DIVISION  
Wichita, Kansas

\*\*\*\*\*

STATE OF KANSAS )  
                          ) SS:  
COUNTY OF McPHERSON)

I, BRYAN HESS of MALLARD DRILLING, do hereby certify that this is a true and correct copy of the log of the Rowland #1 well as reflected by the files of Mallard Drilling.

*Bryan Hess*  
Bryan Hess, Gen. Mgr.

Subscribed and sworn to before me this 15th day of April, 1988.

11-15-89  
My Commission Expires

*Don J. Reichenberger*  
Notary Public

