

ORIGINAL
SIDE ONE

KCC

MAY 20 1991

CONFIDENTIAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASEOperator: License # 5114 (National Development) 990 Ft. North from Southeast Corner of SectionName: James R. IsernAddress 221 S. Broadway, Suite 640City/State/Zip Wichita, KS 67202

Purchaser: _____

Operator Contact Person: Beth FuhrPhone (316) 267-6385Contractor: Name: Duke Drilling Co., Inc.License: 5929

Wellsite Geologist: _____

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ SWD ☐ Temp. Abd.
☐ Gas ☐ Inj ☐ Delayed Comp.
☒ Dry ☐ Other (Core, Water Supply, etc.)

If ~~OLD~~ old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable1-22-911-27-91

Spud Date

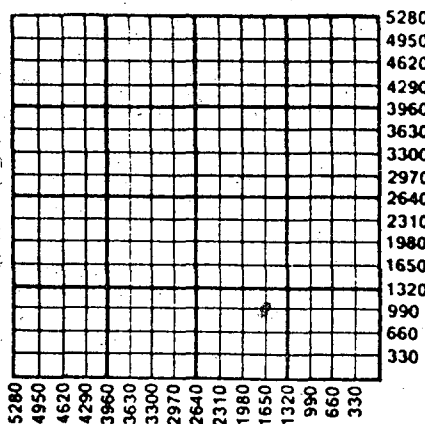
Date Reached TD

Completion Date

API NO. 15- 165-21,545-0000County RushNE SW SE Sec. 36 Twp. 19 Rge. 16 X East West1650 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name Werhahn Well # 1

Field Name _____

Producing Formation _____

Elevation: Ground 1980 KB 1985Total Depth 3761' PBTD _____Amount of Surface Pipe Set and Cemented at 1014 FeetMultiple 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.

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 Beth A. FuhrTitle GeologistDate 5/20/91Subscribed and sworn to before me this 20th day of May 19 91.Notary Public Gina HughesDate Commission Expires 1-14-95

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)

SIDE TWO

Operator Name James R. Tsern Lease Name Werhahn Well # 1

Sec. 36 Twp. 19 Rge. 16 ☐ East ☒ West
County Rush

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.)

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Anhydrite	1002	1026
Heebner	3316	-1331
Lansing	3408	-1423
Base KC	3643	-1658
Arbuckle	Not reached	

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"	23#	1014'	60/40poz	375'	2%gel 3% cc.
Production	7-7/8"						

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
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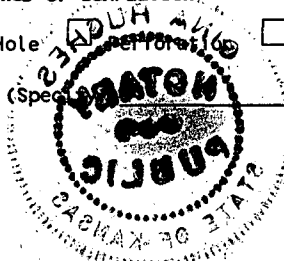
Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

☐ Open Hole ☐ Dually Completed ☐ Commingled
☐ Other (Specify)



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

15-165-21545-0000

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

ORIGINAL
ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

KCC 1184

MAY 20 1991

New

Date <i>1-23-91</i>	Sec. <i>36</i>	Twp. <i>19</i>	Range <i>16</i>	Called Out <i>5⁰⁰ AM</i>	On Location <i>4³⁰ AM</i>	Job Start <i>6⁰⁰ AM</i>	Finish <i>7⁰⁰ AM</i>
Lease <i>werhahn</i>	Well No. <i>#1</i>	Location <i>Albit + 10th BT. 15th N. 10th W.</i>				County <i>Rush</i>	State <i>KS</i>

Contractor *Duke Drilling Rig #1* Owner *NATIONAL Development Co.*

Type Job *Surface Pipe Job*
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.

Hole Size <i>12¹</i>	T.D. <i>1016 ft</i>
Csg. <i>23rd</i>	Depth <i>1014 ft</i>
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. <i>15 ft</i>	Shoe Joint
Press Max.	Minimum
Meas Line <i>✓</i> <i>999 ft</i>	Displace <i>64.1 bbl</i>
Perf.	

EQUIPMENT

Pumptrk	No. <i>120</i>	Cementor <i>Mike</i>	
		Helper <i>Brad</i>	
Pumptrk	No.	Cementor	
		Helper	
		Driver <i>Mark</i>	
Bulktrk	<i>179</i>		
Bulktrk		Driver	

DEPTH of Job <i>1014 ft</i>	
Reference:	<i>Pump Truck charge</i>
	<i>Mileage charge</i>
<i>1</i>	<i>Rubber Plug</i>
	Sub Total
	Tax
	Total

Remarks: *Cement did not Circulate*

Thank you
9449
Allied Cementing Co. Inc. By Mike Merand

Charge To *Duke Drilling*
Street

City State
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
X *Leonard Williamson* *Thank*
CEMENT *you 1546*

Amount Ordered *375⁰⁰ 2+3*

Consisting of
Common
Poz. Mix
Gel.
Chloride
Quickset

Sales Tax

Handling

Mileage

Sub Total

Total

Floating Equipment

1-95 Controlling

RECEIVED
STATE CORPORATION COMMISSION

MAY 21 1991
5-21-91

CONSERVATION DIVISION
Wichita, Kansas

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

K5-165-21545-0000
ORIGINAL

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

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

KCC1235

MAY 20 1991

New

Date	1-27-91	Sec.	36	Twp.	19	Range	16	Called Out	6:00 P.M.	On Location	8:00 P.M.	Job Start	9:05 P.M.	Job Finish	10:40 P.M.
Lease	Werhahn	Well No.	#1	West on 10th St Location To Rush Co. line, N into				County	Rush	State	K5				
Contractor	Duke Rig #1														
Type Job	Rotary Plug														
Hole Size	7 7/8"					T.D. 3761'									
Csg.						Depth									
Tbg. Size						Depth									
Drill Pipe	4 1/2"					Depth 1020'									
Tool						Depth									
Cement Left in Csg.						Shoe Joint									
Press Max.						Minimum									
Meas Line						Displace									
Perf.															

EQUIPMENT

#	No.	Cementer	
Pumptrk	181	Helper	Tim
	No.	Cementer	Cary
Pumptrk		Helper	
#		Driver	Yancy
Bulktrk	101		
Bulktrk		Driver	

DEPTH of Job

Reference:	Pumptrk Charge	
	Pumptrk Mileage	
	Sub Total	
	Tax	
	Total	

Remarks:

Mixed - 50 SKS AT 1020'
30 SKS AT 600'
10 SKS AT 40'
15 SKS in Rathole, Plugged waterwell,

Allied Cementing Co. Inc. Thanks
By Tim Dickson

Owner ~~Sears~~ National Development
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 ~~National Development~~ Duke

Street

City

State

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

Purchase Order No.

X

CEMENT

Amount Ordered

105 SKS 60/40 620 Gel.

Consisting of

Common

Poz. Mix

Gel.

Chloride

Quickset

Sales Tax

Handling

Mileage

Sub Total

Total

Floating Equipment

RECEIVED

STATE CORPORATION COMMISSION

MAY 21 1991

5-21-91
CONSERVATION DIVISION
Wichita, Kansas

TELEPHONE:
AREA CODE 913 483-2627

ORIGINAL 15-165-21545-0000
ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

KCC

MAY 20 1991

CONFIDENTIAL

TO: Duke Drilling Co., Inc.

INVOICE NO. 58616

Box 823

PURCHASE ORDER NO.

Great Bend, Kansas 67530

LEASE NAME Werhahn #1

DATE Jan. 27, 1991

SERVICE AND MATERIALS AS FOLLOWS:

Common 63 sks @\$5.25	\$ 330.75	
Pozmix 42 sks @\$2.25	94.50	
Gel 6 sks @\$6.75	<u>40.50</u>	\$ 465.75
Handling 105 sks @\$1.00	105.00	
Mileage (14) @\$0.04¢ per sk per mi	58.80	
Plugging	380.00	
Mi @\$2.00 pmp. trk.	<u>28.00</u>	571.80
	Total	\$ 1,037.55
50 sks. @1020'		
30 sks. @ 600'		
10 sks. @ 40'		
15 sks. in R. H.		

THANK YOU

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

RECEIVED
STATE CORPORATION COMMISSION

MAY 21 1991
5-2-91
CONSERVATION DIVISION
Wichita, Kansas