

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

Operator: License # 3384

Name: Sullivan & Company

Address 1700 Nat'l Bank of Tulsa Bldg.  
320 S. Boston Ave.

City/State/Zip Tulsa, OK 74103

Purchaser: Dry P & A

Operator Contact Person: Dale E. Dawson

Phone (918) 584-4288

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

Wellsite Geologist: Greg Bectol - David Sullivan

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OMMO: old well info as follows:

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

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

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

Drilling Method:

Mud Rotary  Air Rotary  Cable

06-04-91 06-11-91 06-12-91

Spud Date Date Reached TD Completion Date

API NO. 15- 199-20,198-00-00

County Wallace

NW NE SE Sec. 31 Twp. 14S Rge. 40W East West

2200 Ft. North from Southeast Corner of Section

1050 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

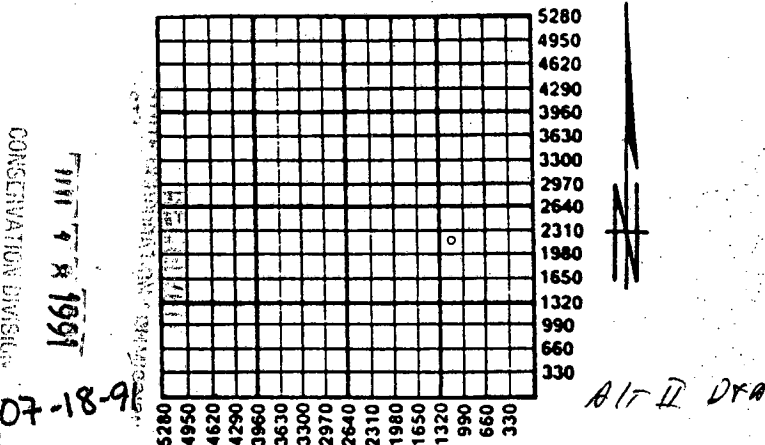
Lease Name W. Woodmancy Well # 1

Field Name W/C

Producing Formation Dry P & A

Elevation: Ground 3704' KB 3713'

Total Depth 5350 PBTD \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 355 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.

**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: Dale E. Dawson

Title: Production and Operations Manager Date \_\_\_\_\_

Subscribed and sworn to before me this 15<sup>th</sup> day of July, 19 91.

Notary Public: \_\_\_\_\_

Date Commission Expires 12-16-91

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Drillers Timelog Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep <input type="checkbox"/> NGPA
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug <input type="checkbox"/> Other (Specify)

**SIDE TWO**

Operator Name Sullivan & Company Lease Name W. Woodmancy Well # 1  
 Sec. 31 Twp. 14S Rge. 40W  East  West  
 County Wallace

**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
Lansing-KC	4130'	
Marmaton	4482'	
Morrow Shale	4928'	
Morrow Sand	4950'	
Miss	5096'	

**CASING RECORD**  New  Used  
 Report all strings set-conductor, surface, intermediate, production, etc.

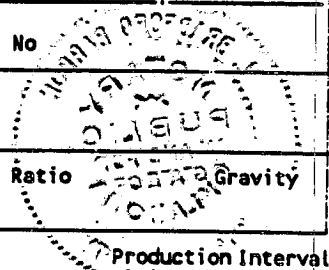
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"		355'	60/40 Poz	225	6% gel, 3% cc

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
None	None	None	

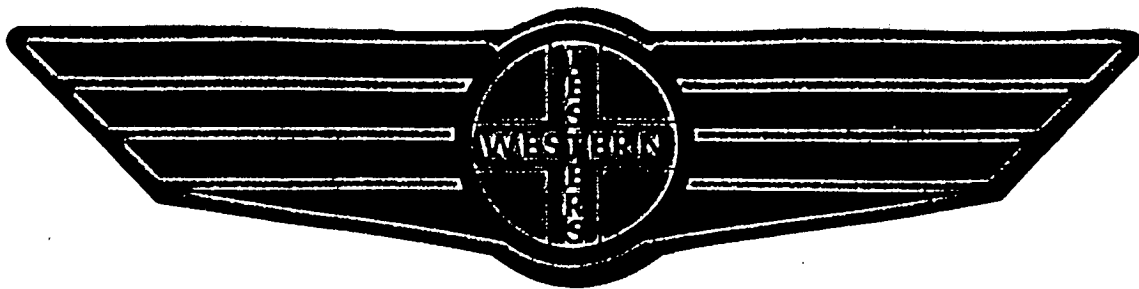
**TUBING RECORD** Size \_\_\_\_\_ Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production Dry P & A 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) \_\_\_\_\_ None \_\_\_\_\_



# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

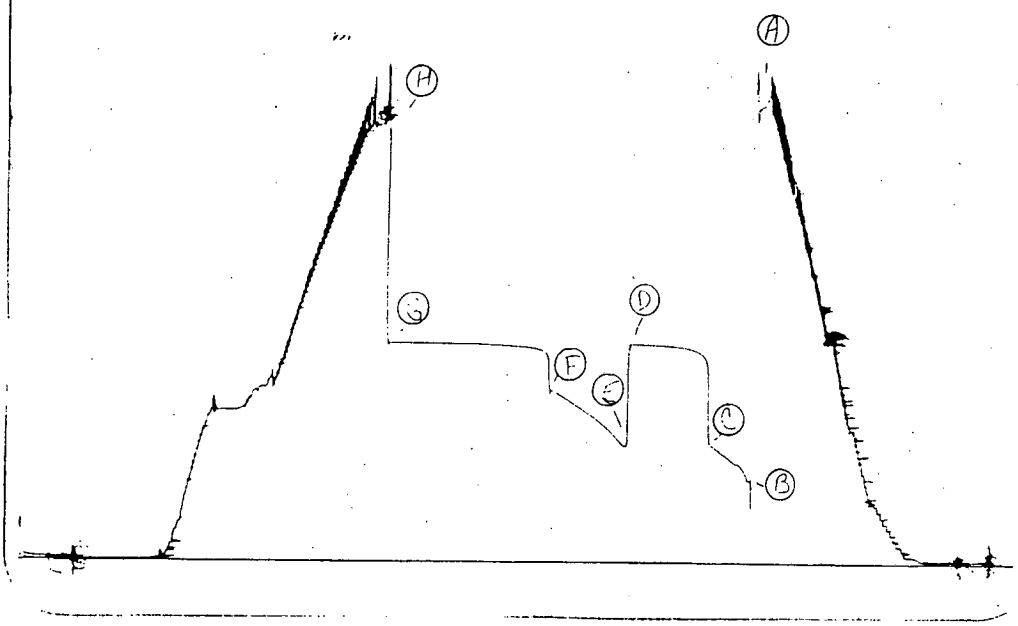
Phone 1 - 800 - 688 - 7021

June 14 1991

WESTERN OIL & GAS  
WICHITA, KANSAS

TKT 16136  
I

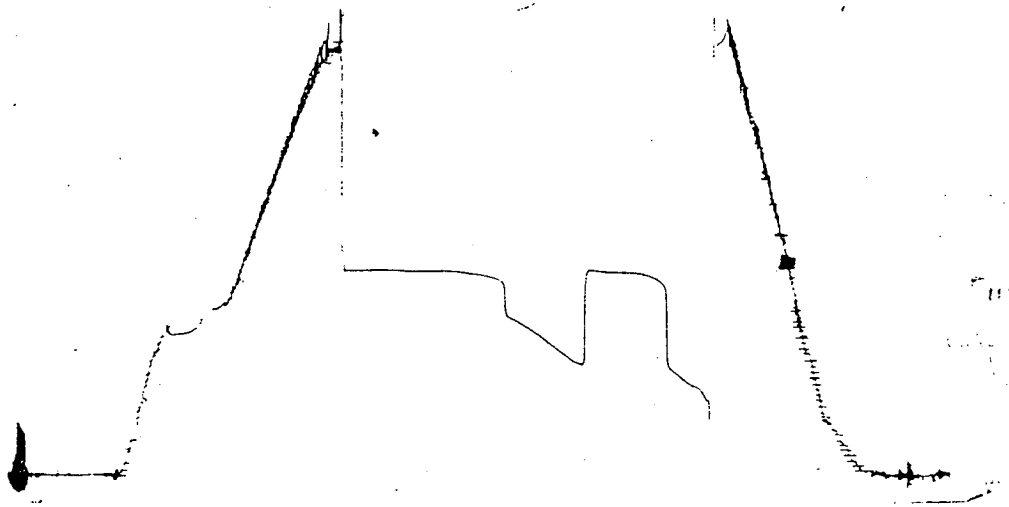
4376



Inside Recorder

TKT 16136  
O

1149



1991

Outside Recorder

15-199-20198-00-00  
ORIGINAL

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 6-10-91  
CUSTOMER : SULLIVAN & COMPANY  
WELL : 1 TEST: 1  
ELEVATION : 3704 MSL  
SECTION : 31  
RANGE : 40W COUNTY : WALLACE  
GAUGE SN# : 4376 RANGE : 4000  
TICKET : 16136  
LEASE : W WOODMANCY  
GEOLOGIST : ?  
FORMATION : MORROW  
TOWNSHIP : 14S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 4906 TO : 4952 TOTAL DEPTH : 4952  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4901 SIZE : 6.75  
PACKER DEPTH : 4906 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : MUFRI DRILLING RIG 24  
MUD TYPE : CHEMICAL VISCOSITY : 42  
WEIGHT : 9.1 WATER LOSS (CC) : 7.0  
CHLORIDES (PPM) : 3000  
JARS-MAKE : W.T.C. SERIAL NUMBER : 406  
DID WELL FLOW ? : NO REVERSED OUT ? : YES

DRILL COLLAR LENGTH : 531 FT I.D. inch : 2.20  
WEIGHT PIPE LENGTH : 64 FT I.D. inch : 3.20  
DRILL PIPE LENGTH : 4280 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 31 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 46 FT ANCHOR SIZE : 5.50  
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75  
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD 1 INCH BLOW-BUILDING TO BOTTOM  
BLOW COMMENT #2 : OF BUCKET IN 4 1/2 MINUTES-STRONG THROUGHOUT.  
BLOW COMMENT #3 : FINAL FLOW PERIOD 1 INCH BLOW-BUILDING TO BOTTOM  
BLOW COMMENT #4 : OF BUCKET IN 5 MINUTES-STRONG THROUGHOUT.

JUN 11 1991

15-199-20198-00-00

ORIGINAL

RECOVERED : 1879 FT OF: MUDDY WATER W/SCUM OF OIL  
RECOVERED : 0 FT OF: CHLORIDES 24000 P.P.M.

Total Barrels Fluid = 4.39  
Total Fluid Prod Rate = 74.44 BFPD  
Indicated Wtr Rate = 37.22 BWPD

REMARK 1 :  
REMARK 2 : RW .23 @ 76 DEGREES F.  
REMARK 3 : SLIGHT PLUGGING ON INITIAL FLOW PERIOD  
REMARK 4 : SEE FLUID SAMPLE SHEET

SET PACKER(S) : 2:15 P.M. TIME STARTED OFF BOTTOM : 6:45 P.M.  
WELL TEMPERATURE : 134  
INITIAL HYDROSTATIC PRESSURE (A) 2341  
INITIAL FLOW PERIOD MIN: 30 (B) 426 PSI TO (C) : 611  
INITIAL CLOSED IN PERIOD MIN: 60 (D) 1126  
FINAL FLOW PERIOD MIN: 55 (E) 603 PSI TO (F) : 885  
FINAL CLOSED IN PERIOD MIN: 120 (G) 1126  
FINAL HYDROSTATIC PRESSURE (H) 2300

1991

15-199-20198-00-00

ORIGINAL

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report

CO  
WE  
GA  
DA  
  
DAT  
No  
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COMPANY : SULLIVAN & COMPANY  
RIG : WALLACE-KANSAS  
FIELD : W WOODMANCY  
WELL : 1  
DATE : 6-10-91  
GAUGE NO : 4376

OPERATIONAL COMMENTS

RW .23 @ 76 DEGREES F.  
SLIGHT PLUGGING ON INITIAL FLOW PERIOD  
SEE FLUID SAMPLE SHEET

7/10/91  
1991

15-199-20198-00-00 ORIGINAL

COMPANY : SULLIVAN & COMPANY  
 WELL : 1  
 GAUGE # : 4376  
 DATE : 10/ 6/91

FIELD : W WOODMANCY  
 JOB # : 16136  
 DEPTH : 4952  
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	2:15: 0	0.000	426.000	134.00	0.000
3	2:19:59	0.083	468.000	134.00	42.000
4	2:25: 0	0.167	512.000	134.00	44.000
5	2:30: 0	0.250	529.000	134.00	17.000
6	2:34:59	0.333	558.000	134.00	29.000
7	2:40: 0	0.417	583.000	134.00	25.000
8	2:45: 0	0.500	611.000	134.00	28.000
INITIAL SHUT-IN PERIOD					
9	2:48: 0	0.550	1031.000	134.00	420.000
10	2:51: 0	0.600	1069.000	134.00	38.000
11	2:54: 0	0.650	1085.000	134.00	16.000
12	2:57: 0	0.700	1095.000	134.00	10.000
13	3: 0: 0	0.750	1101.000	134.00	6.000
14	3: 3: 0	0.800	1106.000	134.00	5.000
15	3: 6: 0	0.850	1110.000	134.00	4.000
16	3: 9: 0	0.900	1113.000	134.00	3.000
17	3:12: 0	0.950	1115.000	134.00	2.000
18	3:15: 0	1.000	1117.000	134.00	2.000
19	3:18: 0	1.050	1119.000	134.00	2.000
20	3:21: 0	1.100	1121.000	134.00	2.000
21	3:24: 0	1.150	1122.000	134.00	1.000
22	3:27: 0	1.200	1123.000	134.00	1.000
23	3:30: 0	1.250	1123.000	134.00	0.000
24	3:33: 0	1.300	1124.000	134.00	1.000
25	3:36: 0	1.350	1124.000	134.00	0.000
26	3:39: 0	1.400	1125.000	134.00	1.000
27	3:42: 0	1.450	1125.000	134.00	0.000
28	3:45: 0	1.500	1126.000	134.00	1.000
FINAL FLOW PERIOD					
29	3:46: 0	1.517	603.000	134.00	-523.000
30	3:49:59	1.583	619.000	134.00	16.000
31	3:55: 0	1.667	660.000	134.00	41.000
32	4: 0: 0	1.750	694.000	134.00	34.000
33	4: 4:59	1.833	722.000	134.00	28.000
34	4:10: 0	1.917	752.000	134.00	30.000
35	4:15: 0	2.000	775.000	134.00	23.000
36	4:19:59	2.083	800.000	134.00	25.000
37	4:25: 0	2.167	822.000	134.00	22.000
38	4:30: 0	2.250	844.000	134.00	22.000
39	4:34:59	2.333	866.000	134.00	22.000
40	4:40: 0	2.417	885.000	134.00	19.000
FINAL SHUT-IN PERIOD					
41	4:43: 0	2.467	1062.000	134.00	177.000
42	4:46: 0	2.517	1087.000	134.00	25.000
43	4:49: 0	2.567	1096.000	134.00	9.000
44	4:52: 0	2.617	1102.000	134.00	6.000
45	4:55: 0	2.667	1106.000	134.00	4.000
46	4:58: 0	2.717	1108.000	134.00	2.000
47	5: 1: 0	2.767	1110.000	134.00	2.000
48	5: 4: 0	2.817	1112.000	134.00	2.000

WESTERN TESTING CO. INC. 1991



ORIGINAL

15-199-20198-00-00  
FIELD : W WOODMANCY  
JOB # : 16136  
DEPTH : 4952  
TEST :

COMPANY : SULLIVAN & COMPANY  
WELL : 1  
GAUGE # : 4376  
DATE : 10/ 6/91

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	5: 7: 0	2.867	1113.000	134.00	1.000
50	5:10: 0	2.917	1115.000	134.00	2.000
51	5:13: 0	2.967	1117.000	134.00	2.000
52	5:16: 0	3.017	1118.000	134.00	1.000
53	5:19: 0	3.067	1119.000	134.00	1.000
54	5:22: 0	3.117	1119.000	134.00	0.000
55	5:25: 0	3.167	1120.000	134.00	1.000
56	5:28: 0	3.217	1120.000	134.00	0.000
57	5:31: 0	3.267	1121.000	134.00	1.000
58	5:34: 0	3.317	1121.000	134.00	0.000
59	5:37: 0	3.367	1122.000	134.00	1.000
60	5:40: 0	3.417	1122.000	134.00	0.000
61	5:43: 0	3.467	1123.000	134.00	1.000
62	5:46: 0	3.517	1124.000	134.00	1.000
63	5:49: 0	3.567	1124.000	134.00	0.000
64	5:52: 0	3.617	1125.000	134.00	1.000
65	5:55: 0	3.667	1125.000	134.00	0.000
66	5:58: 0	3.717	1126.000	134.00	1.000
67	6: 1: 0	3.767	1126.000	134.00	0.000
68	6: 4: 0	3.817	1126.000	134.00	0.000
69	6: 7: 0	3.867	1126.000	134.00	0.000
70	6:10: 0	3.917	1126.000	134.00	0.000
71	6:13: 0	3.967	1126.000	134.00	0.000
72	6:16: 0	4.017	1126.000	134.00	0.000
73	6:19: 0	4.067	1126.000	134.00	0.000
74	6:22: 0	4.117	1126.000	134.00	0.000
75	6:25: 0	4.167	1126.000	134.00	0.000
76	6:28: 0	4.217	1126.000	134.00	0.000
77	6:31: 0	4.267	1126.000	134.00	0.000
78	6:34: 0	4.317	1126.000	134.00	0.000
79	6:37: 0	4.367	1126.000	134.00	0.000
80	6:40: 0	4.417	1126.000	134.00	0.000

WESTERN TESTING CO. INC.

Oct 8 1991

Western

15-199-20198-00-00  
ORIGINAL

FLUID SAMPLE REPORT

Date : 6-10-91 Ticket No. : 16136  
Company : SULLIVAN & COMPANY  
Well Name & No. : W WOODMANCY 1  
DST No. 1  
County : WALLACE State : KANSAS  
Sampler No. : 1 Test Interval : 4906-4952

=====  
Pressure in Sampler 242 PSIG BHT 134 Deg F  
Total Volume of Sampler : 3150 cc  
Total Volume of Sample : 2575 cc  
Oil: 25 cc  
Water: 2550 cc  
Mud: cc  
Gas: .14 cu ft  
Other: cc  
=====

RESITIVITY

Drilling Mud .24 @ 78 F Chloride Content 24000 ppm  
Mud Pit Sample 1.98 @ 66 F Chloride Content 4000 ppm  
Gas/Oil Ratio Gravity API @ Deg F

Where was sample drained RIG FLOOR

Remarks: OIL HAD FAIR ODOR  
NOT ENOUGH FOR GRAVITY CHECK

JUN 14 1991

Control Room  
Bureau





CONTRACT NO. 127848

DATE OF JOB: 11/1/91  
 DISTRICT: Oakley  
 DIST. NO.: 385  
 AUTHORIZED BY: [Signature]

ORIGINAL

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	EXT.	PRICE EXTENSION
4091010	1	2 1/2 TX Putter Guide Shoe	222.00	222	00
4091100	1	2 1/2 Club Head Plate	99.25	99	25
4091200	1	2 1/4 Loc Ring	23.40	23	40
4091300	3	2 1/4 Centerpieces	60.00	180	00
4091600	1	Thread Loc	22.80	22	80
		25%		42.00	49
		Total		1050	36
				3150	36

STATE OF KANSAS  
 JUN 5 1991  
 Council on Economic Development  
 Wichita, Kansas

11-2-91  
 Jack Jones  
 Ken Boulware

SERVICE REPRESENTATIVE: [Signature]  
 THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

LOAD SHEET

15-199-20198-00-00  
ORIGINAL

Item Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1	1	sk	181		
2		sk	44		
3		lb	700		
4	1/2" Flake	lb	640		
5	1/2" Wood Cup Plug	lb	50		
6		ea	1		
7					
8					
9					
10					
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24					
25					
26					
27					

NUMBER: 609848      DATE: 6-4-91      DISTRICT NAME: Oakley  
 NAME AND ADDRESS:      DIRECT SHIPMENT FROM:      VENDOR NAME:

JUN 29 1991  
 CONSERVATION DIVISION  
 Wichita, Kansas

COPIES: DISTRICT COPY, CUSTOMER COPY, CUSTOMER COPY  
 LOADED BY: Fred Howard (PRINTED)      CUSTOMER: T. A. O'Kelly (SIGNATURE)  
 Signature: [Signature]      DATE: 6-4-91



PO. Box 4442  
Houston, Texas 77210

# CEMENTING LOG ORIGINAL

STAGE NO.

Date: 6-1-91 District: Dudley Ticket No: 609246  
 Company: Sullivan & Co Rig: Mudwin #24  
 Lease: Wardmaney Well No: 1  
 County: Waller State: KS  
 Location: St. Louis #1 65-13W-25 Field: \_\_\_\_\_

CASING DATA PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size: 8 7/8 Type: \_\_\_\_\_ Weight: 24 Collar: \_\_\_\_\_

Casing Depths Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS  
 Casing: Bbls./Lin. ft. 0.0637 Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls./Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls./Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls./Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA: 15-199-20198-00-00  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skis Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD Pump Time \_\_\_\_\_ hrs. Type LIT-32CC  
4" Cello Stk Excess 100  
 Amt. 125 Skis Yield 1.84 ft<sup>3</sup>/sk Density 12.7 PPG

TAIL Pump Time \_\_\_\_\_ hrs. Type A 38CC  
4" Cello Stk Excess \_\_\_\_\_  
 Amt. 100 Skis Yield 1.17 ft<sup>3</sup>/sk Density 15.2 PPG

WATER: Lead 7.2 gals/sk Tail 5.2 gals/sk Total \_\_\_\_\_ Bbls

Pump Trucks Used 6467  
 Bulk Equip. 2758-5411

Float Equip. Manufacturer: Baker 876  
 Shoe Type: 4 X Pattern Depth: 36  
 Float Type: Ball Depth: \_\_\_\_\_

Centralizers: Quantity 3 Plugs Top \_\_\_\_\_ Btm \_\_\_\_\_

Stage Collars \_\_\_\_\_  
 Special Equip. Lock Rings & Thread Loc

Disp. Fluid Type: H<sub>2</sub>O Amt. 20 Bbls. Weight 8.4 PPG  
 Mud Type: \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER \_\_\_\_\_

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
10:00	pm					Op Location & Set up Tools Project Safety Meeting
11:15	am					Circulate
11:30	am					with lead
11:38	am					tail
11:32	am					41 Bbls Slurry 20.8 Bbls Slurry
11:45	am					Release & Displace plug to Ball Plug Down
						Cement did Circulate

RECEIVED

JUN 3 1991

CONSULTATION DIVISION  
WICHITA, KANSAS

RECEIVED

ORIGINAL

Phone 913-483-2627, Russell, Kansas

JUL 29 1991

15-199-20198-00-00  
Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No. 1467

*News*

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
6-12-91	31	14	40	12:00 NOON	4:45 PM.	5:30 PM.	8:30 PM
Lease	Well No.	Location			County	State	
Woodmancy	1	Tribune N to rd line, 6N 3W 1/2 N			Wallace	Ka	

Contractor	Murfin 24
Type Job	Rotary Plug
Hole Size	7 7/8
Csg.	T.D. 5350'
Tbg. Size	Depth
Drill Pipe	4 1/2 XH
Tool	Depth 2750'
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Owner	Sullivan & Co.
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	Sullivan & Co.
Street	3205 Boston - Suite 1700
City	Tulsa
State	OK 74103
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	<i>W. O'Kelley</i>
<b>CEMENT</b>	

### EQUIPMENT

No.	Cementor	
Pumptrk # 158	Helper	
No.	Cementor	JAYSON DREILING
Pumptrk	Helper	BOB WERNER
Bulktrk # 116	Driver	BILL WHITE
Bulktrk	Driver	

Amount Ordered	200 dx 60/40 poz 6% gel 3% cc
Consisting of	
Common	120 6.00 732.00
Poz. Mix	80 2.40 192.00
Gel.	12 6.75 81.00
Chloride	6 21.00 126.00
Quickset	
Handling	200 1.00 200.00
Mileage	58 OAKLEY 464.00
Sub-Total	
Total 1795.00	

### DEPTH of Job

Reference:	Pump. trk charge	475.00
58	Mileage	116.00
	1 8 3/8 dry hole plug.	20.00
Sub-Total		
Total		611.00

Floating Equipment	
Total \$ 2406.00	
Disc - 360.90	
\$ 2045.10	

### Remarks:

1 <sup>st</sup>	250X - 2750'
2 <sup>nd</sup>	100X - 1800'
3 <sup>rd</sup>	40X - 400'
4 <sup>th</sup>	10X - 40'
	150X in nathole
	10X in mousehole.

Allied Cementing Company  
Russell, Kansas

Thank you.