

Plugged 5-31-93

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

Operator: License # 31128

Name: Topat Oil Corporation

Address 505 North Big Springs

Suite 204

City/State/Zip Midland, Texas 79701

Purchaser: _____

Operator Contact Person: Casey Coats

Phone (316) 262-7777

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

05-24-93 05-31-93
Spud Date Date Reached TD Completion Date

API NO. 15- 101-21-643-0000

County Lane

NE - NW - NW - Sec. 15 Twp. 19 Rge. 29 ^E _W

4950 Feet from N (circle one) Line of Section

4290 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Clark Well # 1-15

Field Name _____

Producing Formation _____

Elevation: Ground 2826 KB 2835

Total Depth 4500 PBTD _____

Amount of Surface Pipe Set and Cemented at 221 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 cat.

Drilling Fluid Management Plan 080 9-14-93
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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.

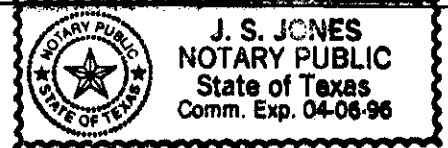
Signature Thomas A. Brumel

Title Operator Representative Date June 11, 1993

Subscribed and sworn to before me this 11 day of June, 1993.

Notary Public J. S. Jones

Date Commission Expires _____



RECEIVED
K.C.C. OFFICE USE ONLY
JUN 16 1993
Conservation Division
Wichita, Kansas
Distribution
KCC SWD/Rep _____ NGPA _____
KGS Plug _____ Other _____
(Specify)

Operator Name Topat Oil Corporation Lease Name Clark Well # 1-15
 Sec. 15 Twp. 19 Rge. 29 East West
 County Lane

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.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

List All E.Logs Run:

CASING RECORD <input type="checkbox"/> New <input checked="" 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#	221	60/40 poz	140	2% gel 3% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(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, Resumed Production, SWD or Inj.	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.)

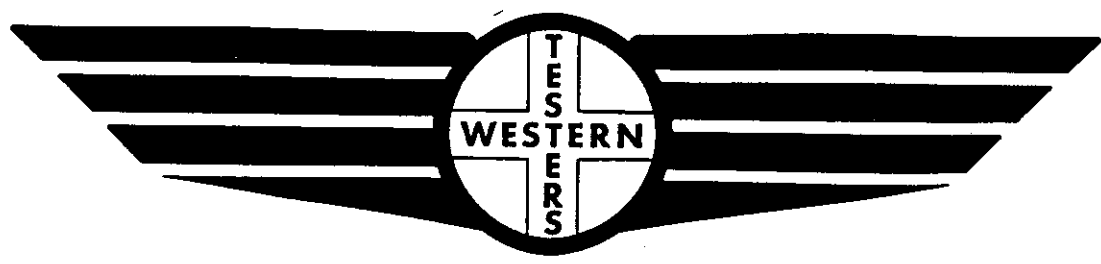
METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

ORIGINAL

FORMATION TEST REPORT

COMPANY TOPPAT OIL CORPORATION LEASE & WELL NO. #1-15 CLARK SEC. 15 TWP. 19S RGE. 29W TEST NO. 1 DATE 5/29/93

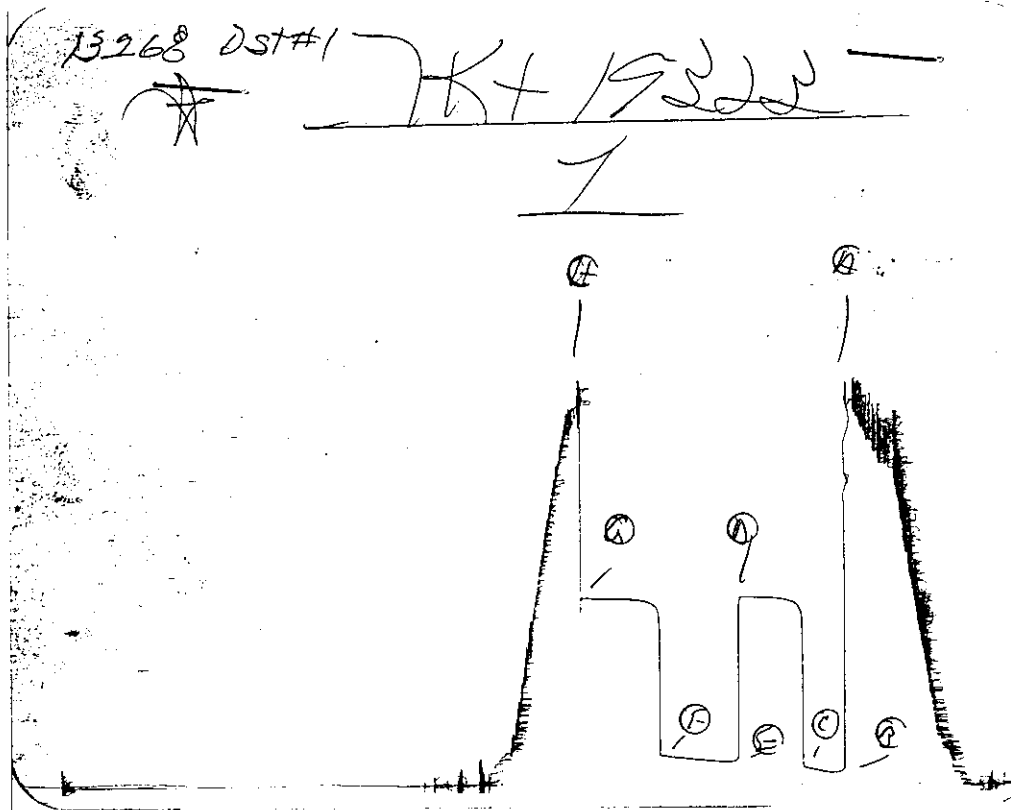


Home Office:

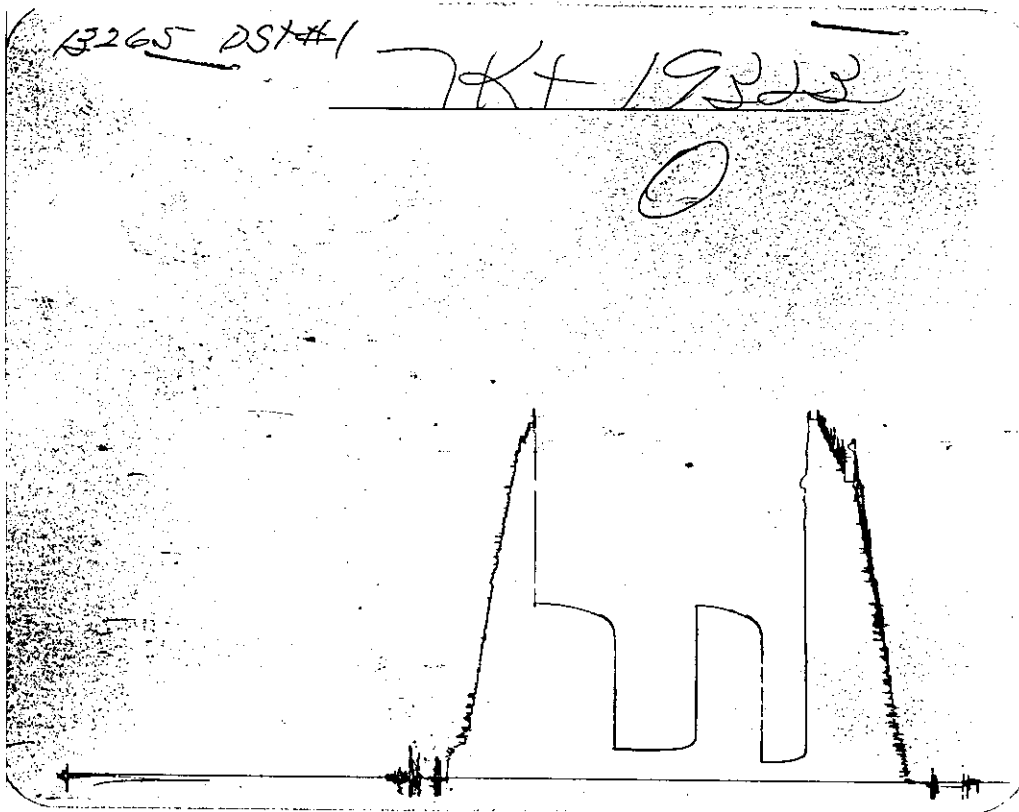
Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021



Inside Recorder



Outside Recorder

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE : 5/29/93	TICKET : 19323
CUSTOMER : TOPAT OIL CORPORATION	LEASE : CLARK
WELL : #1-15 TEST: 1	GEOLOGIST: ?
ELEVATION: 2826 GL	FORMATION: LANSING-KANSAS CITY
SECTION : 15	TOWNSHIP : 19S
RANGE : 29W COUNTY: LANE	STATE : KS
GAUGE SN#: 13268 RANGE : 4225	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4168.00 ft TO: 4210.00 ft TVD: 4210.0 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 4171.0 ft 4174.0 ft
 TEMPERATURE: 128.0

DRILL COLLAR LENGTH: 0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH : 224.0 ft	I.D.:	2.500 in
DRILL PIPE LENGTH : 3924.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 42.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 4163.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4168.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE DRILLING RIG 4	VISCOSITY : 54.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 10.000 cc
WEIGHT : 9.100 ppg	SERIAL NUMBER:
CHLORIDES : 2200 ppm	REVERSED OUT?: NO
JARS-MAKE :	
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK STEADY 1 INCH BLOW.
 FINAL FLOW PERIOD VERY WEAK BLOW BUILDING TO 1 INCH.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
20.0	100.0	0.0	0.0	0.0	FREE OIL GRAVITY 38
110.0	0.0	0.0	20.0	80.0	WATERY MUD
180.0	0.0	0.0	80.0	20.0	MUDDY WATER
0.0	0.0	0.0	0.0	0.0	120 FT GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.2805 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	4.4884 STB/D
MUD VOLUME:	1.1728 STB	AVERAGE WATER RATE:	36.5702 STB/D
WATER VOLUME:	1.1128 STB		
TOTAL FLUID :	2.5662 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2120.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	74.00	106.00
INITIAL SHUT-IN	45.00		1065.00
FINAL FLOW	60.00	138.00	192.00
FINAL SHUT-IN	60.00		1065.00

FINAL HYDROSTATIC PRESSURE: 2120.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2133.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	75.00	105.00
INITIAL SHUT-IN	51.00		1060.00
FINAL FLOW	60.00	136.00	171.00
FINAL SHUT-IN	60.00		1053.00

FINAL HYDROSTATIC PRESSURE: 2103.00

ORIGINAL

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5/29/93	TICKET : 19323	
CUSTOMER : TOPAT OIL CORPORATION	LEASE : CLARK	
WELL : #1-15 TEST: 1	GEOLOGIST: ?	
ELEVATION: 2826 GL	FORMATION: LANSING-KANSAS CITY	
SECTION : 15	TOWNSHIP : 19S	
RANGE : 29W COUNTY: LANE	STATE : KS	
GAUGE SN#: 13268 RANGE : 4225	CLOCK : 12	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	75.00	75.00
5.00	75.00	0.00
10.00	75.00	0.00
15.00	78.00	3.00
20.00	88.00	10.00
25.00	96.00	8.00
30.00	105.00	9.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	910.00	910.00	0.00
6.00	1004.00	94.00	0.00
9.00	1026.00	22.00	0.00
12.00	1036.00	10.00	0.00
15.00	1042.00	6.00	0.00
18.00	1049.00	7.00	0.00
21.00	1053.00	4.00	0.00
24.00	1055.00	2.00	0.00
27.00	1056.00	1.00	0.00
30.00	1056.00	0.00	0.00
33.00	1056.00	0.00	0.00
36.00	1056.00	0.00	0.00
39.00	1056.00	0.00	0.00
42.00	1056.00	0.00	0.00
45.00	1056.00	0.00	0.00
48.00	1058.00	2.00	0.00
51.00	1060.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

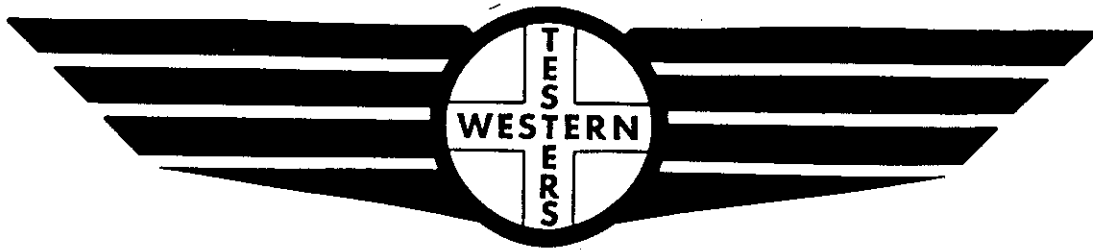
FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	136.00	136.00
5.00	136.00	0.00
10.00	136.00	0.00
15.00	138.00	2.00
20.00	141.00	3.00
25.00	144.00	3.00
30.00	147.00	3.00
35.00	151.00	4.00
40.00	155.00	4.00
45.00	160.00	5.00
50.00	165.00	5.00
55.00	168.00	3.00
60.00	171.00	3.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	852.00	852.00	0.00
6.00	995.00	143.00	0.00
9.00	1017.00	22.00	0.00
12.00	1031.00	14.00	0.00
15.00	1036.00	5.00	0.00
18.00	1040.00	4.00	0.00
21.00	1044.00	4.00	0.00
24.00	1046.00	2.00	0.00
27.00	1046.00	0.00	0.00
30.00	1046.00	0.00	0.00
33.00	1046.00	0.00	0.00
36.00	1047.00	1.00	0.00
39.00	1048.00	1.00	0.00
42.00	1049.00	1.00	0.00
45.00	1050.00	1.00	0.00
48.00	1051.00	1.00	0.00
51.00	1052.00	1.00	0.00
54.00	1053.00	1.00	0.00
57.00	1053.00	0.00	0.00
60.00	1053.00	0.00	0.00

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800 - 688 - 7021

COMPANY TOPPAT OIL CORPORATION

LEASE & WELL NO. #1-15 CLARK

SEC. 15 TWP. 19S RGE. 29W TEST NO. 2

DATE 5/29/93

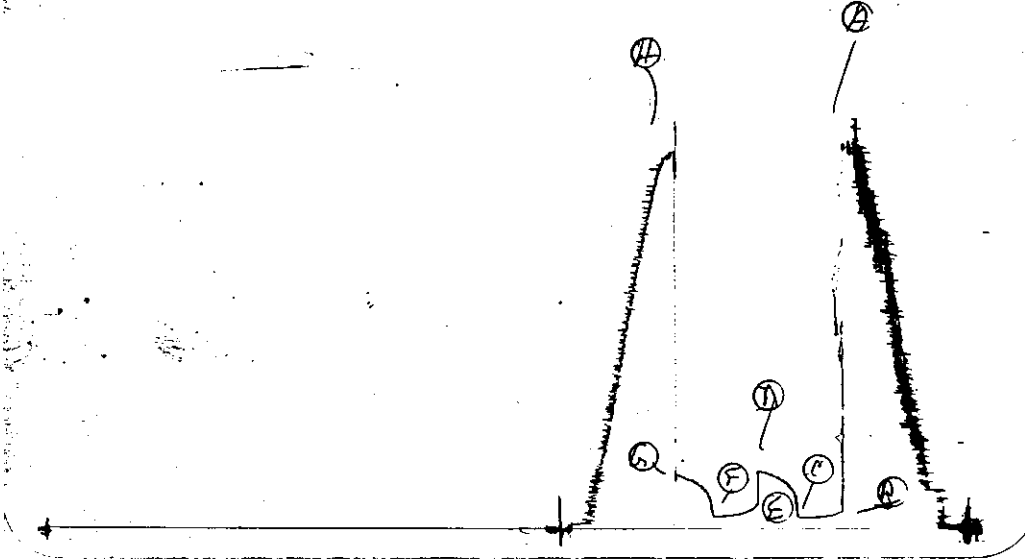
10/16 82

73263 DST#2



JK4 19324

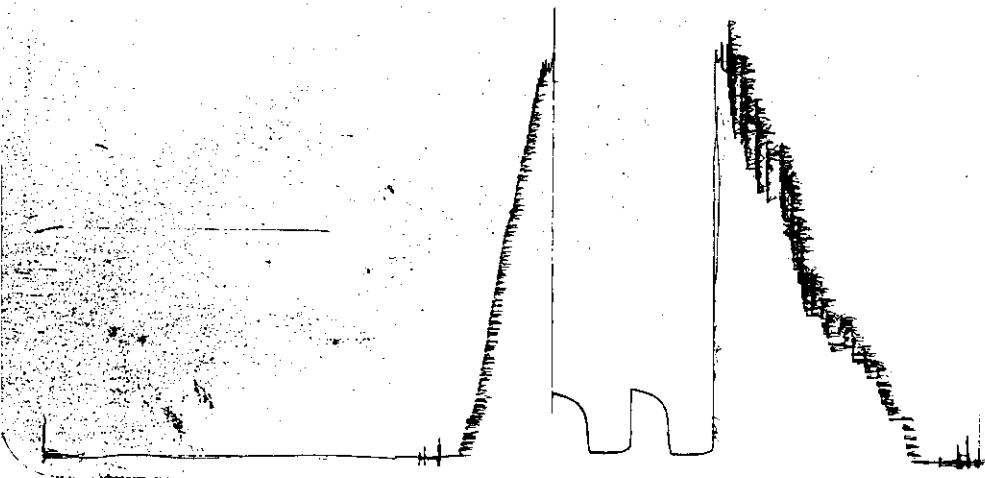
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Inside Recorder

13265 DST#2

JK4 19324



Outside Recorder

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE : 5/29/93	TICKET : 19324
CUSTOMER : TOPAT OIL CORPORATION	LEASE : CLARK
WELL : #1-15 TEST: 2	GEOLOGIST: ?
ELEVATION: 2826 GL	FORMATION: KANSAS CITY I ZONE
SECTION : 15	TOWNSHIP : 19S
RANGE : 29W COUNTY: LANE	STATE : KS
GAUGE SN#: 13268 RANGE : 4225	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4276.00 ft TO: 4286.00 ft TVD: 4286.0 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 4277.0 ft 4280.0 ft
 TEMPERATURE: 122.0

DRILL COLLAR LENGTH: 0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH : 224.0 ft	I.D.:	2.500 in
DRILL PIPE LENGTH : 4032.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 10.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 4271.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4276.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE DRILLING RIG 4	VISCOSITY : 44.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 10.400 cc
WEIGHT : 9.200 ppg	SERIAL NUMBER:
CHLORIDES : 2600 ppm	REVERSED OUT?: NO
JARS-MAKE :	
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK 1/8 INCH BLOW FOR 20 MINUTES AND DIED. FINAL FLOW PERIOD NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

<u>Feet of Fluid</u>	<u>% Oil</u>	<u>% Gas</u>	<u>% Water</u>	<u>% Mud</u>	<u>Comments</u>
15.0	3.0	0.0	0.0	97.0	SLIGHTLY OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0027 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	2.1855 STB/D
MUD VOLUME:	0.0883 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.0911 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2120.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	85.00	64.00
INITIAL SHUT-IN	30.00		320.00
FINAL FLOW	30.00	106.00	64.00
FINAL SHUT-IN	30.00		320.00

FINAL HYDROSTATIC PRESSURE: 2097.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2109.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	104.00	67.00
INITIAL SHUT-IN	33.00		329.00
FINAL FLOW	30.00	143.00	73.00
FINAL SHUT-IN	30.00		306.00

FINAL HYDROSTATIC PRESSURE: 2077.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5/29/93	TICKET : 19324
CUSTOMER : TOPAT OIL CORPORATION	LEASE : CLARK
WELL : #1-15 TEST: 2	GEOLOGIST: ?
ELEVATION: 2826 GL	FORMATION: KANSAS CITY I ZONE
SECTION : 15	TOWNSHIP : 19S
RANGE : 29W COUNTY: LANE	STATE : KS
GAUGE SN#: 13268 RANGE : 4225	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	104.00	104.00
5.00	91.00	-13.00
10.00	79.00	-12.00
15.00	73.00	-6.00
20.00	70.00	-3.00
25.00	67.00	-3.00
30.00	67.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	118.00	118.00	0.00
6.00	203.00	85.00	0.00
9.00	237.00	34.00	0.00
12.00	261.00	24.00	0.00
15.00	278.00	17.00	0.00
18.00	288.00	10.00	0.00
21.00	303.00	15.00	0.00
24.00	312.00	9.00	0.00
27.00	315.00	3.00	0.00
30.00	324.00	9.00	0.00
33.00	329.00	5.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
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PRESSURE TRANSIENT REPORT (CONTINUED)

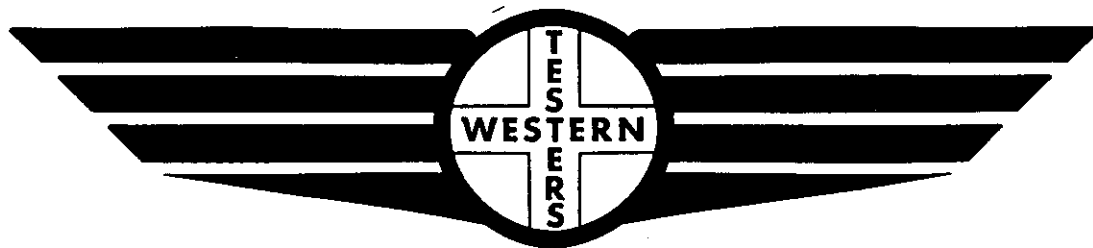
FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	143.00	143.00
5.00	113.00	-30.00
10.00	96.00	-17.00
15.00	85.00	-11.00
20.00	79.00	-6.00
25.00	76.00	-3.00
30.00	73.00	-3.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	112.00	112.00	0.00
6.00	190.00	78.00	0.00
9.00	222.00	32.00	0.00
12.00	241.00	19.00	0.00
15.00	256.00	15.00	0.00
18.00	271.00	15.00	0.00
21.00	281.00	10.00	0.00
24.00	292.00	11.00	0.00
27.00	298.00	6.00	0.00
30.00	306.00	8.00	0.00

FORMATION TEST REPORT



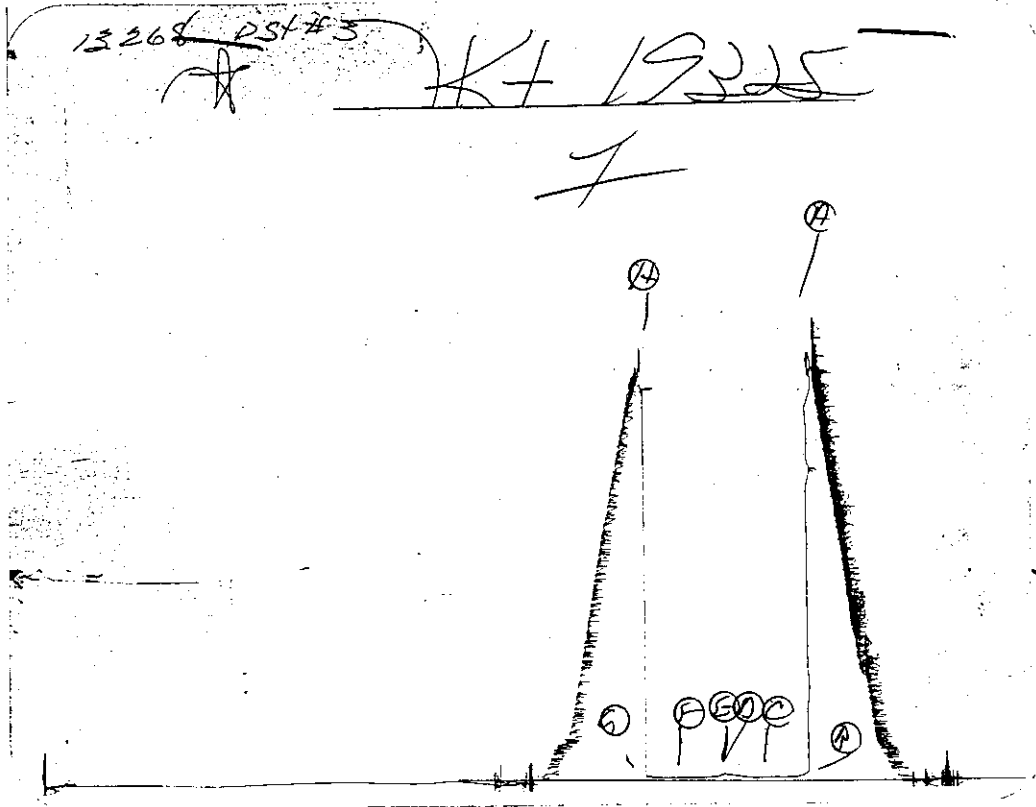
Home Office:

Wichita, Kansas 67201

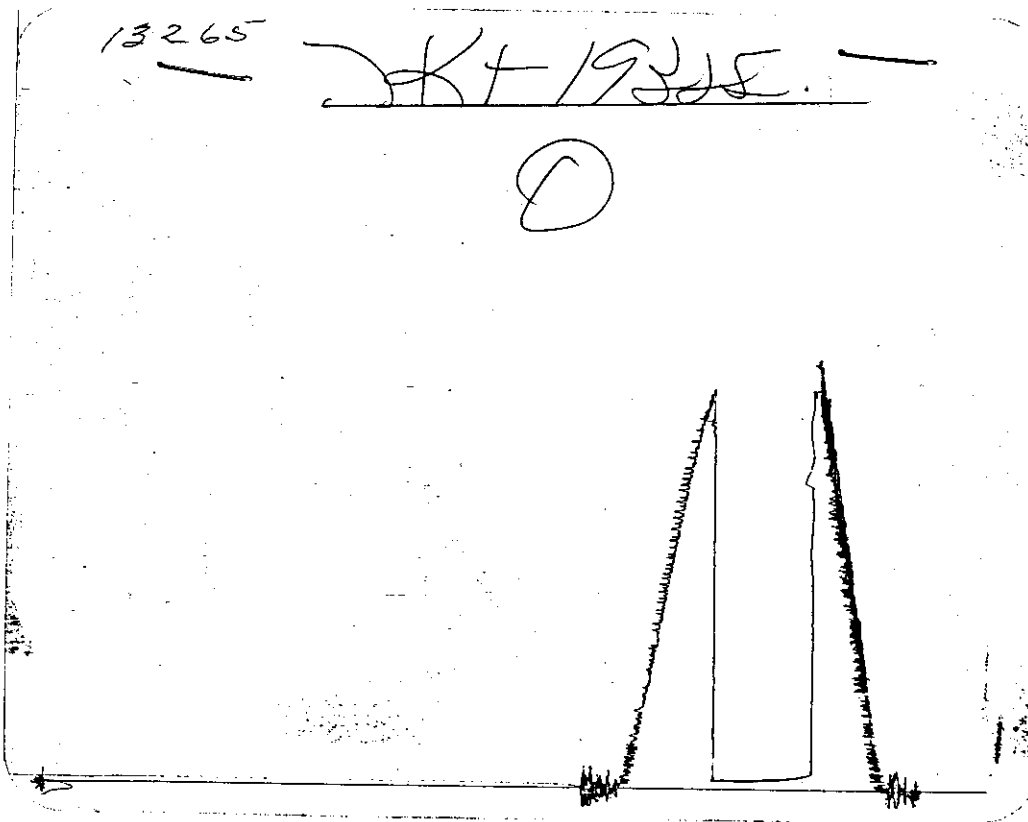
P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY TOPPAT OIL CORPORATION LEASE & WELL NO. #1-15 CLARK SEC. 15 TWP. 19S RGE. 29W TEST NO. 3 DATE 5/30/93



Inside Recorder



Outside Recorder

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE : 5/30/93	TICKET : 19325
CUSTOMER : TOPAT OIL CORPORATION	LEASE : CLARK
WELL : #1-15 TEST: 3	GEOLOGIST: ?
ELEVATION: 2826 GL	FORMATION: MARMINGTON
SECTION : 15	TOWNSHIP : 19S
RANGE : 29W COUNTY: LANE	STATE : KS
GAUGE SN#: 13268 RANGE : 4225	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4418.00 ft TO: 4450.00 ft TVD: 4450.0 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 4437.0 ft 4440.0 ft
 TEMPERATURE: 121.0

DRILL COLLAR LENGTH: 0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH : 224.0 ft	I.D.:	2.500 in
DRILL PIPE LENGTH : 4174.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 32.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 4413.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4418.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE DRILLING RIG 4	VISCOSITY :	51.00 cp
MUD TYPE : CHEMICAL	WATER LOSS:	9.600 cc
WEIGHT : 9.300 ppg	SERIAL NUMBER:	
CHLORIDES : 3100 ppm	REVERSED OUT?:	NO
JARS-MAKE :		
DID WELL FLOW?: NO		

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK BLOW FOR 13 MINUTES
 AND DIED. FINAL FLOW PERIOD FEW BUBBLES AND DIED.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
3.0	1.0	0.0	0.0	99.0	OIL CUT MUD

RATE INFORMATION

OIL VOLUME: 0.0002 STB		TOTAL FLOW TIME: 60.0000 min.	
GAS VOLUME: 0.0000 SCF		AVERAGE OIL RATE: 0.4371 STB/D	
MUD VOLUME: 0.0180 STB		AVERAGE WATER RATE: 0.0000 STB/D	
WATER VOLUME: 0.0000 STB			
TOTAL FLUID : 0.0182 STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2120.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	21.00	21.00
INITIAL SHUT-IN	30.00		53.00
FINAL FLOW	30.00	21.00	21.00
FINAL SHUT-IN	30.00		21.00

FINAL HYDROSTATIC PRESSURE: 2120.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2275.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	24.00	24.00
INITIAL SHUT-IN	33.00		42.00
FINAL FLOW	30.00	26.00	26.00
FINAL SHUT-IN	27.00		32.00

FINAL HYDROSTATIC PRESSURE: 2186.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5/30/93	TICKET : 19325
CUSTOMER : TOPAT OIL CORPORATION	LEASE : CLARK
WELL : #1-15 TEST: 3	GEOLOGIST: ?
ELEVATION: 2826 GL	FORMATION: MARMINGTON
SECTION : 15	TOWNSHIP : 19S
RANGE : 29W COUNTY: LANE	STATE : KS
GAUGE SN#: 13268 RANGE : 4225	CLOCK : 12

INITIAL FLOW

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>
0.00	24.00	24.00
5.00	24.00	0.00
10.00	24.00	0.00
15.00	24.00	0.00
20.00	24.00	0.00
25.00	24.00	0.00
30.00	24.00	0.00

INITIAL SHUT IN

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	24.00	24.00	0.00
6.00	24.00	0.00	0.00
9.00	24.00	0.00	0.00
12.00	24.00	0.00	0.00
15.00	25.00	1.00	0.00
18.00	28.00	3.00	0.00
21.00	32.00	4.00	0.00
24.00	34.00	2.00	0.00
27.00	36.00	2.00	0.00
30.00	39.00	3.00	0.00
33.00	42.00	3.00	0.00

FINAL FLOW

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>
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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	26.00	26.00
5.00	26.00	0.00
10.00	26.00	0.00
15.00	26.00	0.00
20.00	26.00	0.00
25.00	26.00	0.00
30.00	26.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	26.00	26.00	0.00
6.00	26.00	0.00	0.00
9.00	26.00	0.00	0.00
12.00	26.00	0.00	0.00
15.00	26.00	0.00	0.00
18.00	27.00	1.00	0.00
21.00	28.00	1.00	0.00
24.00	30.00	2.00	0.00
27.00	32.00	2.00	0.00

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

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

ORIGINAL

ALLIED CEMENTING CO., INC.

1204

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
5/24/93	15	19S	29W	4PM	5:45	7:20	7:35
Lease	Well No.	Location		County	State		
Cluck	1-15	Dighton 3W 5S E into		Lang	Ks.		

Contractor	Duke 4
Type Job	Surface
Hole Size	12 1/4" T.D. 230
Csg.	8 5/8" 20" Depth 221
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	15 Shoe Joint
Pres. Max.	Minimum
Meas Line	Displace 13.4 bbl.
Perf.	

Owner Topet Oil Corp.
 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 To Duke Drilling Co. Inc.
 Street
 City State

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

Purchase Order No. *[Signature]*

CEMENT

Amount Ordered 140 60% 2% Gel 3% CC

Consisting of
 Common
 Poz. Mix
 Gel.
 Chloride
 Quicks

Sales Tax

Handling
 Mileage

Sub Total
 Total

Floating Equipment

RECEIVED
 STATE CORPORATION COMMISSION
 JUL 14 1993

CONSERVATION DIVISION
 Wichita, Kansas

EQUIPMENT

No.	Cementer	<u>Gary</u>
Pumptrk 224	Helper	<u>Keith</u>
No.	Cementer	
Pumptrk	Helper	
	Driver	<u>Bill</u>
Bulktrk 69	Driver	

DEPTH of Job

Reference:	<u>Pump Truck</u>	
	<u>Mileage</u>	
	<u>8 5/8" TWP</u>	
	Sub Total	
	Tax	
	Total	

Remarks: Cement circulated.

*Thank you
 Stan A. Hunt*

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

-TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

-ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

-PRICES AND TAXES: All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

-TOWING CHARGES: ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

-PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

-DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

-SERVICE CONDITIONS AND LIABILITIES: 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner, and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

Phone 913-463-2627, Russell, Kansas
 Phone 616-793-5861, Great Bend, Kansas

ORIGINAL

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

ALLIED CEMENTING CO., INC. 5988

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

DEW

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
5-31-93	15	19	29	5:45 AM	9:00 AM	9:30 AM	11:30
Lease	Well No.	Location		County	State		
Clark	# 1-15	Nighton, 3W, 5S, E into		Lawe	KS		

Contractor *Duke Rig #4*

Type Job *Rotary Plug*

Hole Size *7 3/8"* T.D. *4500'*

Cap. Depth

Tbg. Size Depth

Drill Pipe *4 1/2"* Depth *2230'*

Tool Depth

Cement Left in Cap. Shoe Joint

Press Max. Minimum

Flow Line Displace

Perf.

Owner *Same*

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 To *Topat Oil Corporation*

Street

City State

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

Purchase Order No.

X *J. D. Schuch*

CEMENT

EQUIPMENT

Pumpjack	No. <i>181</i>	Cementer	<i>Tim</i>
		Helper	<i>Bob</i>
Pumpjack	No.	Cementer	
		Helper	
Driver		Driver	<i>Duane</i>
Driver		Driver	

Amount Ordered *255 sks 60/40 label, 4" floe sks*

Consisting of

Common
Por. Mix
Gel.
Chloride
Quickset

Sales Tax

DEPTH of Job

Reference:	<i>Pumpjack Charge</i>	
	<i>Pumpjack Mileage</i>	
	<i>8 3/8" Rotary Plug</i>	
	Sub Total	
	+ Tax	
	Total	

Handling

Mileage

Sub Total

Total

Floating Equipment

Remarks: *Mixed - 50 sks at 2230'*
80 sks at 1350'
50 sks at 700'
50 sks at 250'
10 sks at 40'
16 sks in bathhole

205 sks

Handy

Allied Cementing
Buy Tim Dickson

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

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(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or the furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

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2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

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(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.