

ORIGINAL

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

Operator: License # 8061

Name: OIL PRODUCERS, INC. OF KANSAS

Address P.O. BOX 8647

City/State/Zip WICHITA, KANSAS 67208

Purchaser: FARMLAND

Operator Contact Person: DIANA RICHECKY

Phone (316) 681-0231

Contractor: Name: VAL DRILLING CO., INC.

License: 5822

Wellsite Geologist: WILLIAM SHEPHERD

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PSTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

02/28/96 03/11/96 04/02/96
Spud Date Date Reached TD Completion Date

API NO. 15- 081-21,001-0000
County HASKELL
Approx. 100' SE of _____ E
_____ SW _____ SE Sec. 30 Twp. 29 Rge. 32 W

590 Feet from (S)N (circle one) Line of Section

4525 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 ROSENWINKLE Well # 1

Field Name ZENITH PEACE CREEK EXT.

Producing Formation Marmaton

Elevation: Ground 2927 KB 2932

Total Depth 5706' PSTD 5680

Amount of Surface Pipe Set and Cemented at 1811

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3099 Feet

If Alternate II completion, cement circulated from 3099

feet depth to surface w/ 125 sx cmt.

Drilling Fluid Management Plan ALT 2 2/27 7-18-97
(Data must be collected from the Reserve P.C.)

Chloride content 9600 ppm Fluid volume 2200 bbls

Dewatering method used: Evaporation and allow to dry restore area to near normal.

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 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 John S. Weir John S. Weir

Title President Date 7/15/96

Subscribed and sworn to before me this 15th of July 19 96.

Notary Public Diana L. Richecky

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

Form ACO-1 (7-91)

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 16 1996
7-16-1996
CONSERVATION DIVISION
WICHITA, KS

Operator Name Oil Producers, Inc. of Kansas Lease Name ROSENWINKLE Well # 1

Sec. 30 Twp. 29S Rge. 32
 East
 West

County HASKELL

ORIGINAL

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 checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<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	Heebner	4098'	-1166
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing "A"	4193'	-1261
(Submit Copy)		Kansas City "A"	4628'	-1696
List All E.Logs Run:	GEOLOGICAL LOG, MICRO RESISTIVITY LOG, COMP. NEUTRON COMP. PHOTO-DENSITY LOG, BOREHOLE COMP. SONIC INTEGRATED TRANSIT TIME LOG, ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG	Marmaton	4793'	-1861
		Pawnee	4909'	-1977
		Ft. Scott	4949'	-2017
		Cherokee	4962'	-2030
		Atoka	5120'	-2188
		Morrow	5282'	-2350
		St. Genevieve	5442'	-2510
		St. Louis	5529'	-2597
		St. Louis "B"	5637'	-2705
		LTD	5706'	-2774

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"	24	1811	Mid-Con Prem	486	3% cc 1/4 Flocele
Production		5 1/2"	15.5	5700	EA -2	250	Halad
					Hal Lite Pre	125	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate	3099 5700	Hal lite Prem +	125	
<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	
	SEE ATTACHED SHEET			

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	4784.68			
Date of First, Resumed Production, SWD or Inj.		Producing Method				
4/02/96		Flowing	Pumping	Gas Lift	Other (Explain)	
Estimated Production	Oil 7 Bbls.	Gas Mcf	Water 77	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: SEE ATTACHED _____

RECEIVED
 KANSAS CORPORATION COMMISSION

JUL 16 1996

CONSERVATION DIVISION
 WICHITA, KS

ORIGINAL

ATTACHMENT TO ACO-1 FOR ROSENWINKLE #1
HASKELL CO., KS.

15-081-21001

PERFORATION RECORD

ST. LOUIS - 5638-5640'

4 SHOTS/FT. EXPANDABLE CASING GUN

SET 5 1/2" BRIDGE PLUG OVER ST. LOUIS, SET CIBP @ 4900'.

MARMATON - as follows:

4816-4819'	4 shots/ ft.
4824-4826'	4 shots/ft.
4834-4835'	4 shots/ft.
4842-4844'	4 shots/ft.

all with expandable casing gun.

ACID RECORD

STRADDLE INTERVAL - 4842-44' 200 GALLONS 15% FE NE ACID

STRADDLE INTERVAL - 4834-35' 200 GALLONS 15% FE NE ACID

STRADDLE INTERVAL - 4824-26' 200 GALLONS 15% FE NE ACID

STRADDLE INTERVAL - 4816-19' 400 GALLONS 15% FE NE ACID

TOTAL LOAD ALL ACID - 64 barrels

RE-ACIDIZE:

MARAMTON PERFORATIONS with 4000 gallons Nitrified 15% FE SGA acid and 230,000 SCF
Nitrogen (75 quality foam)

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 16 1996

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

WELL NAME: Rosenwinkle #1
OPERATOR: Oil Producers Inc
LOCATION: Sec 10 Rge 29S Twp 32W
Haskell County Kansas
DATE: 03/08/96

15-081-21001

TRILOBITE TESTING L.L.C.

OPERATOR : Oil Producers Inc.

DATE 3/5/96

WELL NAME: Rosenwinkle #1
 LOCATION : 30-29S-32W Haskell Cty KS
 INTERVAL : 4802.00 To 4850.00 ft

KB 2932.00 ft TICKET NO: 8978 DST #1
 GR 2927.00 ft FORMATION: Marmaton
 TD 4850.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----		
PF	0	Rec.	11038	11038	2342		PF Fr.	to	hr
SI	0	Range(Psi)	5075.0	5075.0	4995.0	0.0	IS Fr.	to	hr
SF	0	Clock(hrs)	AK-1	AK-1	Alpin		SF Fr.	to	hr
FS	0	Depth(ft)	4847.0	4847.0	4808.0	0.0	FS Fr.	to	hr

	Field	1	2	3	4		
A. Init Hydro	2349.0	2344.0	2278.0	0.0	0.0	T STARTED	1500 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM	1703 hr
Bl. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN	1705 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED	1730 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT	1915 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0		
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----	
G. Final Hydro	2259.0	2254.0	2260.0	0.0	0.0	Tool Wt.	1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer	25000.00 lbs

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP

Initial Str Wt 60000.00 lbs
 Unseated Str Wt 60000.00 lbs
 Bot Choke 0.75 in
 Hole Size 7.88 in
 D Col. ID 0.00 in
 D. Pipe ID 3.80 in
 D.C. Length 0.00 ft
 D.P. Length 4794.00 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

*Misrun - packer failure

MUD DATA-----

Mud Type Chemical
 Weight 9.10 lb/c
 Vis. 49.00 S/L
 W.L. 10.00 in3
 F.C. 0.00 in
 Mud Drop Y 0.0 ft

Amt. of fill 0.00 ft
 Btm. H. Temp. 115.00 F
 Hole Condition Good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00

SAMPLES: No

SENT TO:

Cushion Type
 Reversed Out N
 Tool Chased N
 Tester TOM HORACEK
 Co. Rep. BILL SHEPHERD
 Contr. Val Energy
 Rig # 1
 Unit #
 Pump T.

Test Successful: N

TEST HISTORY

8978 DST #1 Rosenwinkle #1 Oil Producers Inc.

Flag Points

t(Min.) PC PSig)

A: 0.00 2277.96

Q: 0.00 2259.50

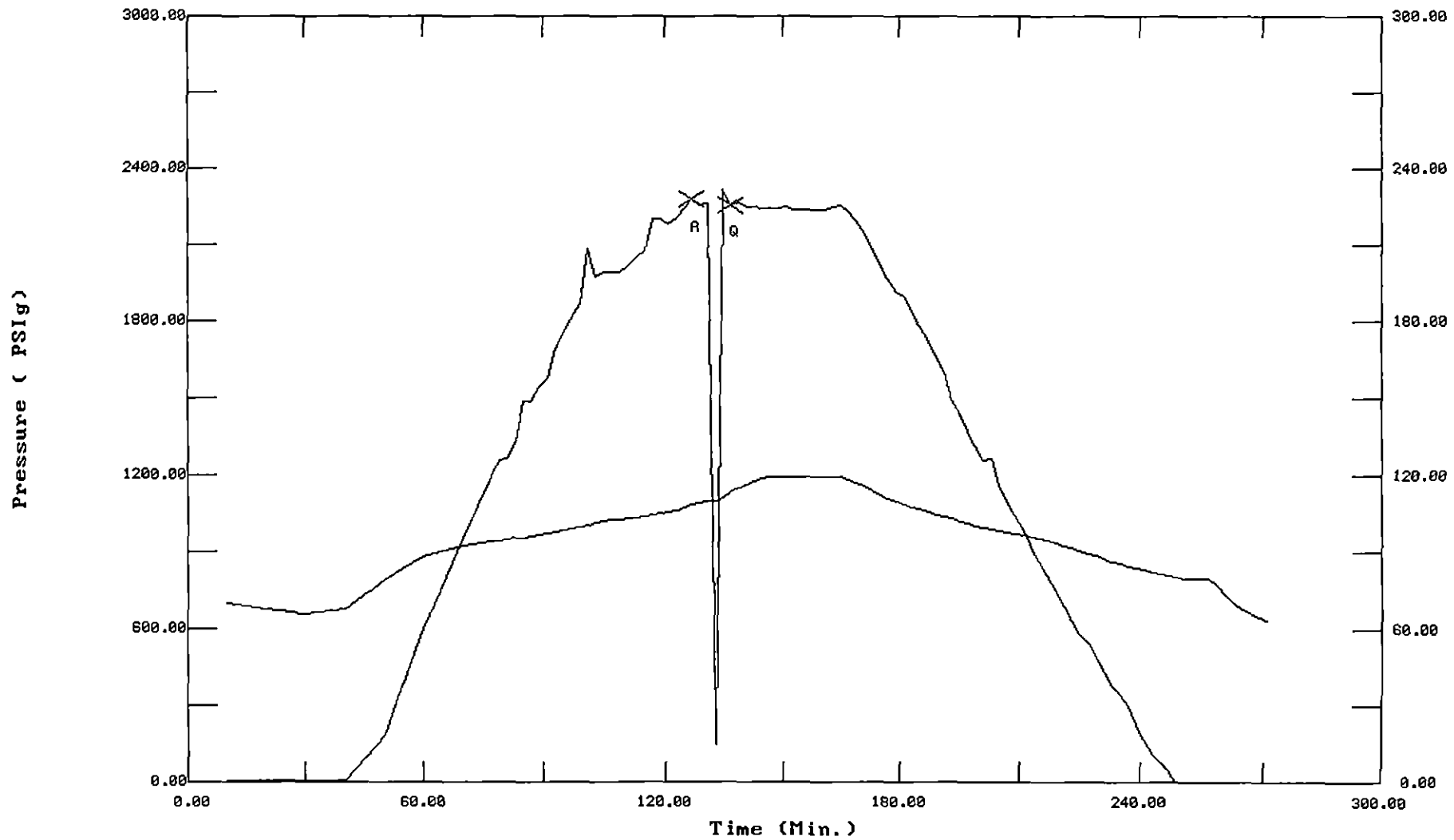
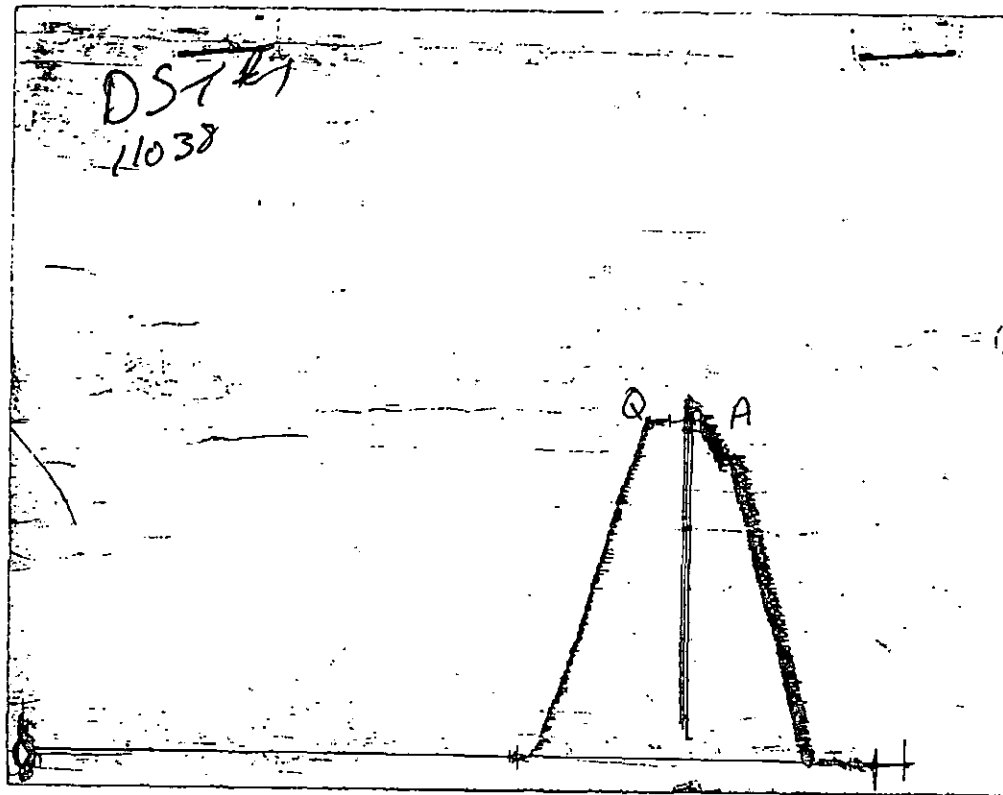


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8978 DST #1 Rosenwinkle #1 Oil Producers Inc.

DATE: 03/05/96

TIME: 08:12:20

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	127.00	2278.0	0.0	108.22		
***** Start Flow 1	0.00	2259.5	0.0	113.02		
***** End Flow 1	2.00	2265.8	6.3	115.00		
***** End Shut-in 1	140.00	2265.8	0.0	115.00	0.0143	5.134
***** Final Hydro.	139.00	2265.8	0.0	115.00		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Rosenwinkle #1

LOCATION : 30-29S-32W

TICKET No. 8978 D.S.T. No. 1 DATE 3/5/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27 ft.

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 17 ft.

TOTAL TOOL 44 ft.

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31 ft.

TOTAL ASSEMBLY 75 ft.

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands77 Single 1 Total 4794 ft.

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4869 ft.

TOTAL DEPTH 4850 ft.

TOTAL DRILL PIPE ABOVE K.B. 19 ft.

REMARKS:

P.O. SUB	
C.O. SUB	4775
S.I. TOOL	4781
HMV Hyd. Tool	4786
JARS	4791
SAFETY JOINT	4793
PACKER	4797
PACKER	4802
DEPTH 4802	
STUBB 4804	
ANCHOR Alpine Rec. @	4808
Pick up sub 5 ft.	4809
Perf 3 ft.	4812
C.O. sub 1 ft.	4813
T.C.	
DEPTH	
Drill Pipe 31 ft.	4844
C.O. sub 1 ft.	4845
AK-1 Recorder	4847
BULLNOSE Bull Plug 5 ft.	
T.D.	4850

TRILOBITE TESTING L.L.C.

OPERATOR : Oil Producers Inc.

DATE 3/5/96

WELL NAME: Rosenwinkle #1

KB 2932.00 ft

TICKET NO: 8979

DST #2

LOCATION : 30-29S-32W Haskell Cty KS

GR 2927.00 ft

FORMATION: Marmaton

INTERVAL : 4806.00 To 4850.00 ft

TD 4850.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----	
PF	0	Rec.	11038	11038	2342		PF Fr. to hr	
SI	0	Range(Psi)	5075.0	5075.0	4995.0	0.0	0.0	IS Fr. to hr
SF	0	Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. to hr
FS	0	Depth(ft)	4847.0	4847.0	4814.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2310.0	2283.0	2269.0	0.0	0.0	T STARTED 1930 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM 2126 hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN 2128 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 2210 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 0100 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	2259.0	2249.0	2255.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	1800.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	60000.00 lbs
Initial Str Wt	60000.00 lbs
Unseated Str Wt	60000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4794.00 ft

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

*Misrun - packer failure

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	49.00 S/L
W.L.	10.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	2.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

SAMPLES: No

SENT TO:

Reversed Out N	
Tool Chased N	
Tester	TOM HORACEK
Co. Rep.	BILL SHEPHERD
Contr.	Val Energy
Rig #	1
Unit #	
Pump T.	

Test Successful: N

TEST HISTORY

8979 DST #2 Rosenwinkle #1 Oil Producers Inc.

Flag Points
t (Min.) P (PSig)

R: 0.00 2269.40

Q: 0.00 2254.63

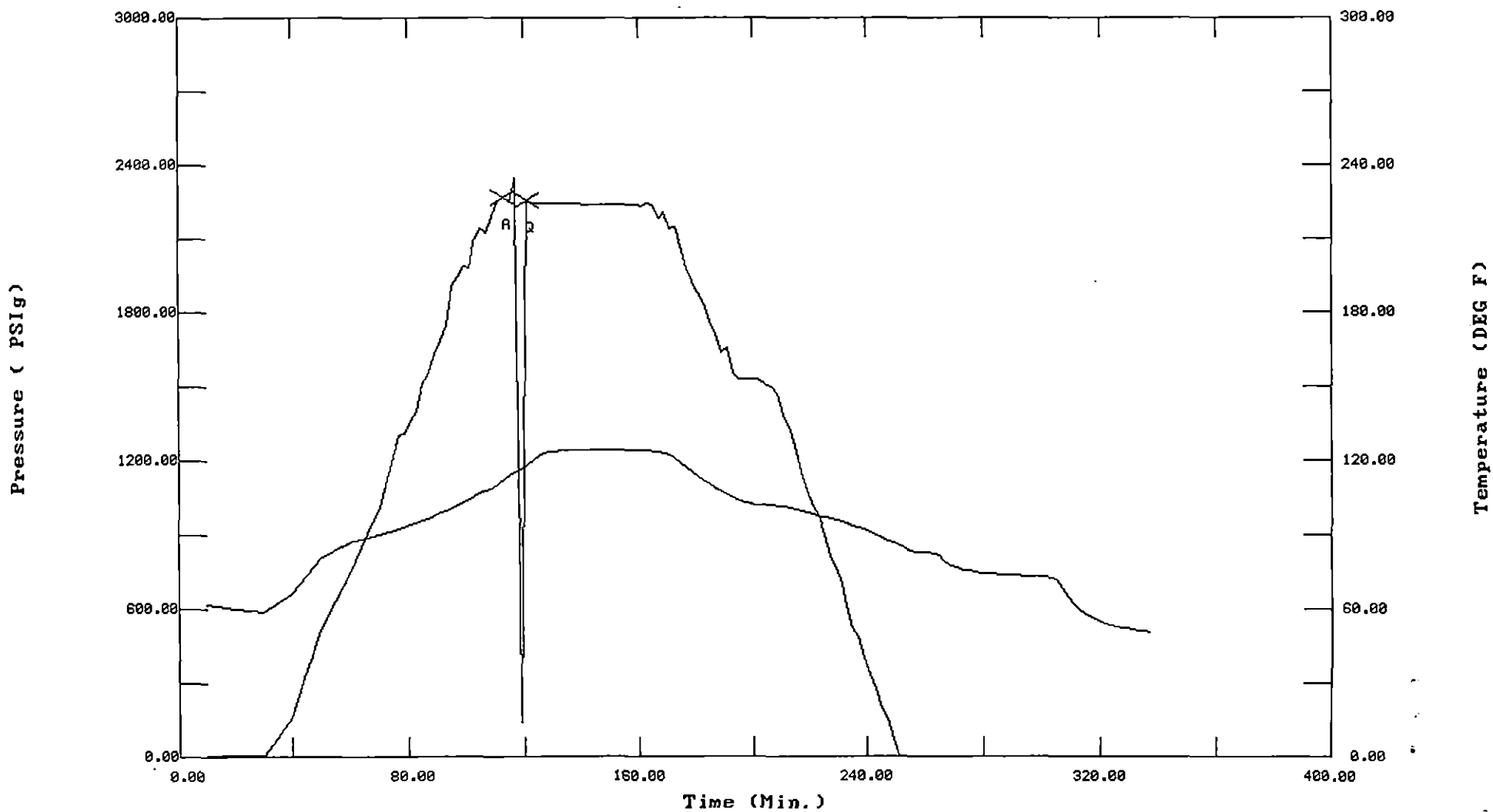
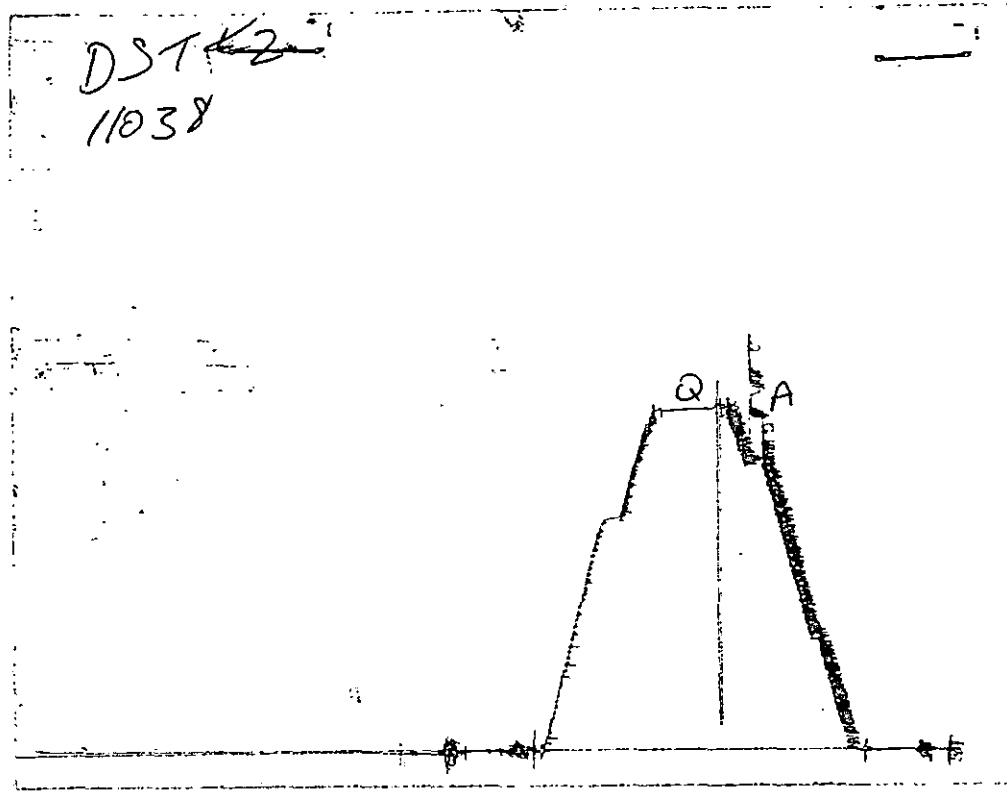


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 8979 DST #2 Rosenwinkle #1 Oil Producers Inc.

DATE: 03/05/96

TIME: 19:22:46

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	113.00	2269.4	0.0	112.08		
***** Start Flow 1	0.00	2254.6	0.0	118.18		
***** End Flow 1	2.00	2246.6	-8.1	120.20		
***** End Shut-in 1	124.00	2246.6	0.0	120.20	0.0161	5.047
***** Final Hydro.	123.00	2246.6	0.0	120.20		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Rosenwinkle #1

LOCATION : 30-29S-32W

TICKET No. 8979 D.S.T. No. 2 DATE 3/5/96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 30 ft.

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 10 ft.

TOTAL TOOL 40 ft.

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31 ft.

TOTAL ASSEMBLY 71 ft.

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands77 Single 1 Total 4794 ft.

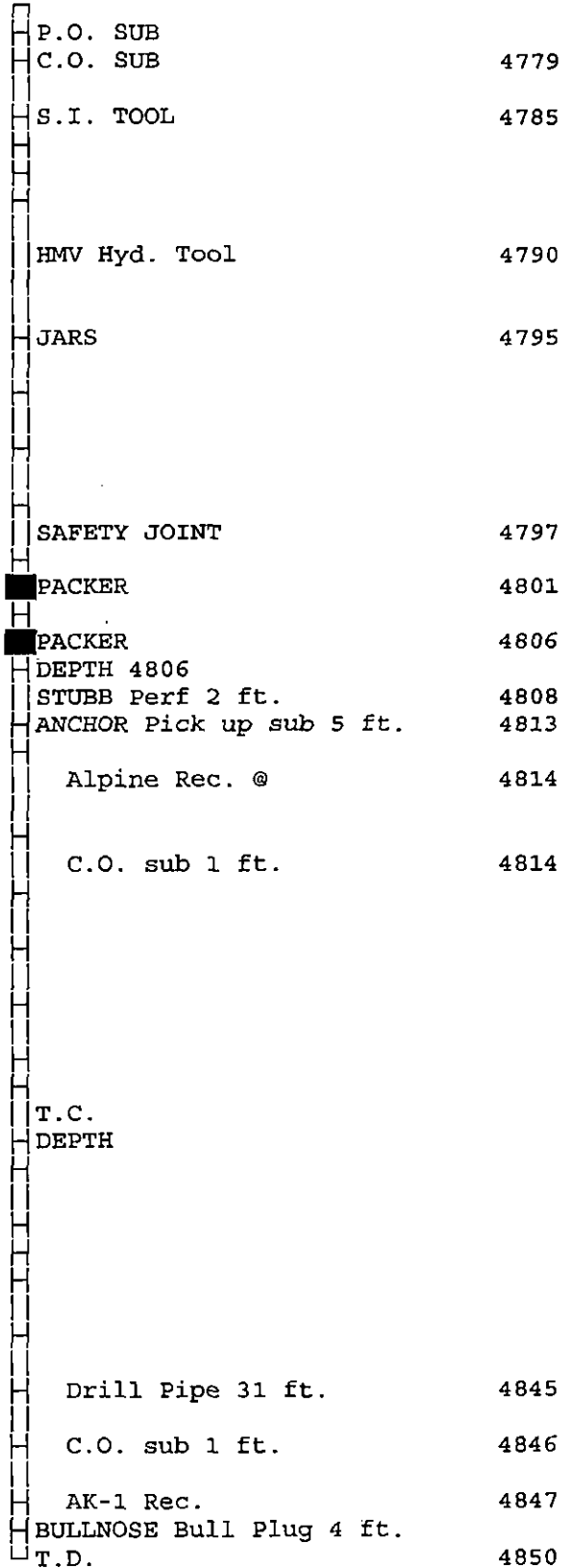
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4865 ft.

TOTAL DEPTH 4850 ft.

TOTAL DRILL PIPE ABOVE K.B. 15 ft.

REMARKS:

Sampler



TRILOBITE TESTING L.L.C.

OPERATOR : Oil Producers Inc DATE 3-8-96
 WELL NAME: Rosenwinkle #1 KB 2932.00 ft TICKET NO: 7837 DST #3
 LOCATION : 10-29S-32W Haskell Cty KS GR 2927.00 ft FORMATION: St. Louis
 INTERVAL : 5626.00 To 5656.00 ft TD 5656.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	2836	2836	2342			PF Fr. 0126 to 0141 hr
SI 30 Range(Psi)	3500.0	3500.0	4995.0	0.0	0.0	IS Fr. 0141 to 0211 hr
SF 30 Clock(hrs)	AK-1	AK-1	Alpin			SF Fr. 0211 to 0241 hr
FS 60 Depth(ft)	5653.0	5653.0	5628.0	0.0	0.0	FS Fr. 0241 to 0341 hr

	Field	1	2	3	4	
A. Init Hydro	2622.0	2615.0	2705.0	0.0	0.0	T STARTED 1100 hr
B. First Flow	273.0	257.0	220.0	0.0	0.0	T ON BOTM 0124 hr
B1. Final Flow	282.0	265.0	270.0	0.0	0.0	T OPEN 0126 hr
C. In Shut-in	1342.0	1346.0	1468.0	0.0	0.0	T PULLED 0341 hr
D. Init Flow	376.0	361.0	324.0	0.0	0.0	T OUT 0730 hr
E. Final Flow	470.0	457.0	522.0	0.0	0.0	
F. Fl Shut-in	1325.0	1317.0	1427.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2558.0	2553.0	2680.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 68000.00 lbs
						Initial Str Wt 65000.00 lbs
						Unseated Str Wt 45000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 5626.00 ft

RECOVERY

Tot Fluid 1095.00 ft of 0.00 ft in DC and 1095.00 ft in DP
 1650.00 ft of Gas in pipe
 240.00 ft of Gassy oil cut mud - 15% gas, 35% oil, 50% mud
 60.00 ft of Gassy oil cut watery mud -
 15% gas, 15% oil, 20% water, 50% mud
 795.00 ft of Water - 100% water

RW .200 @ 71.2 F

SALINITY 35000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow -
 Strong blow, bottom of bucket in
 30 sec

Initial Shutin -
 Bled off 2", no blow back

Final Flow -
 Fair blow, bottom of bucket in 4 min

Final Shutin -
 Bled off 2", surface blow back built
 to 4.5"

SAMPLES: NO

SENT TO:

MUD DATA-----

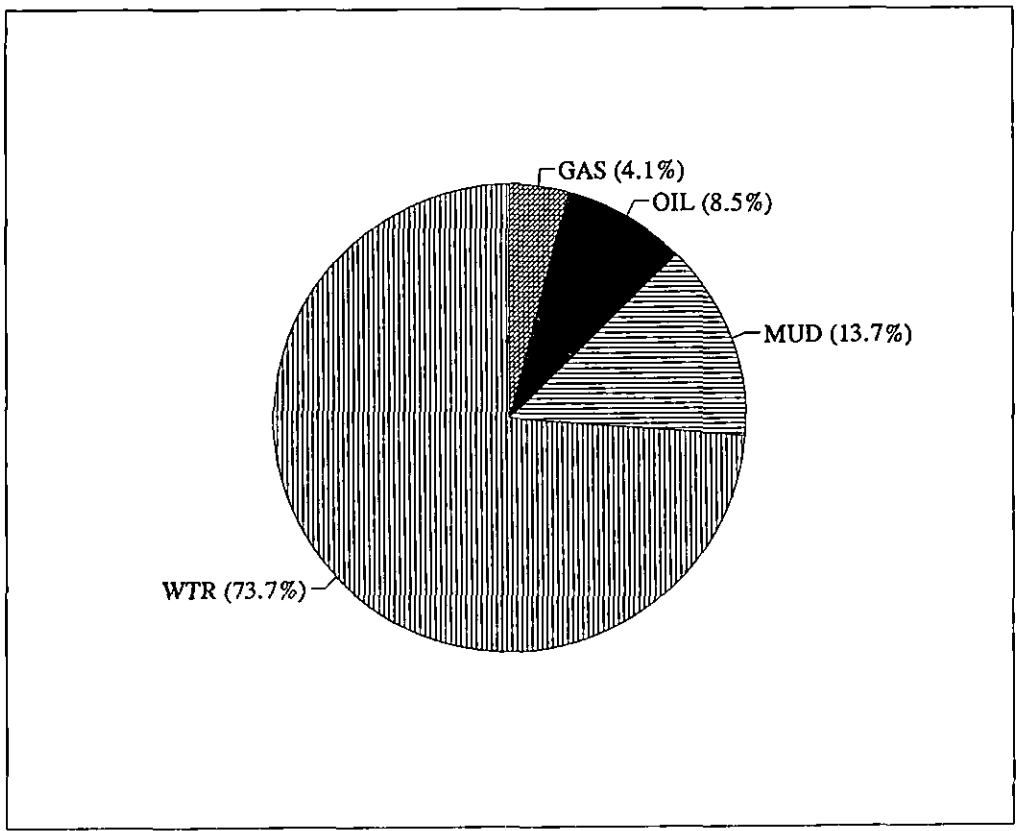
Mud Type	Chemical
Weight	9.20 lb/c
Vis.	48.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft
Amt. of fill	0.00 ft
Btm. H. Temp.	126.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Mike Colantonio
Co. Rep.	Bill Shepard
Contr.	Val Energy
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CALCULATED RECOVERY ANALYSIS - DRILL PIPE
 DST # 3 TICKE 7837

SAMPL #	TOTAL FEET	GAS		OIL		WATE		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	240	15	36	35	84		0	50	120
2	60	15	9	15	9	20	12	50	30
3	795		0		0	100	795		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	1095	4.1096	45	8.4932	93	73.699	807	13.699	150

HRS O BBL/DAY
 BBL OIL= 1.3225 * 0.75 42.3
 BBL WATER= 11.476 * 367
 BBL MUD= 2.133
 BBL GAS 0.6399



TEST HISTORY

7837 DST#3 Rosenwinkle #1 Oil Prod. Inc.

Flag Points

	t (Min.)	P (PSig)
A:	0.00	2705.49
B:	0.00	220.30
C:	12.00	269.74
D:	30.00	1467.81
E:	0.00	323.87
F:	26.00	521.60
G:	60.00	1427.27
Q:	0.00	2679.81

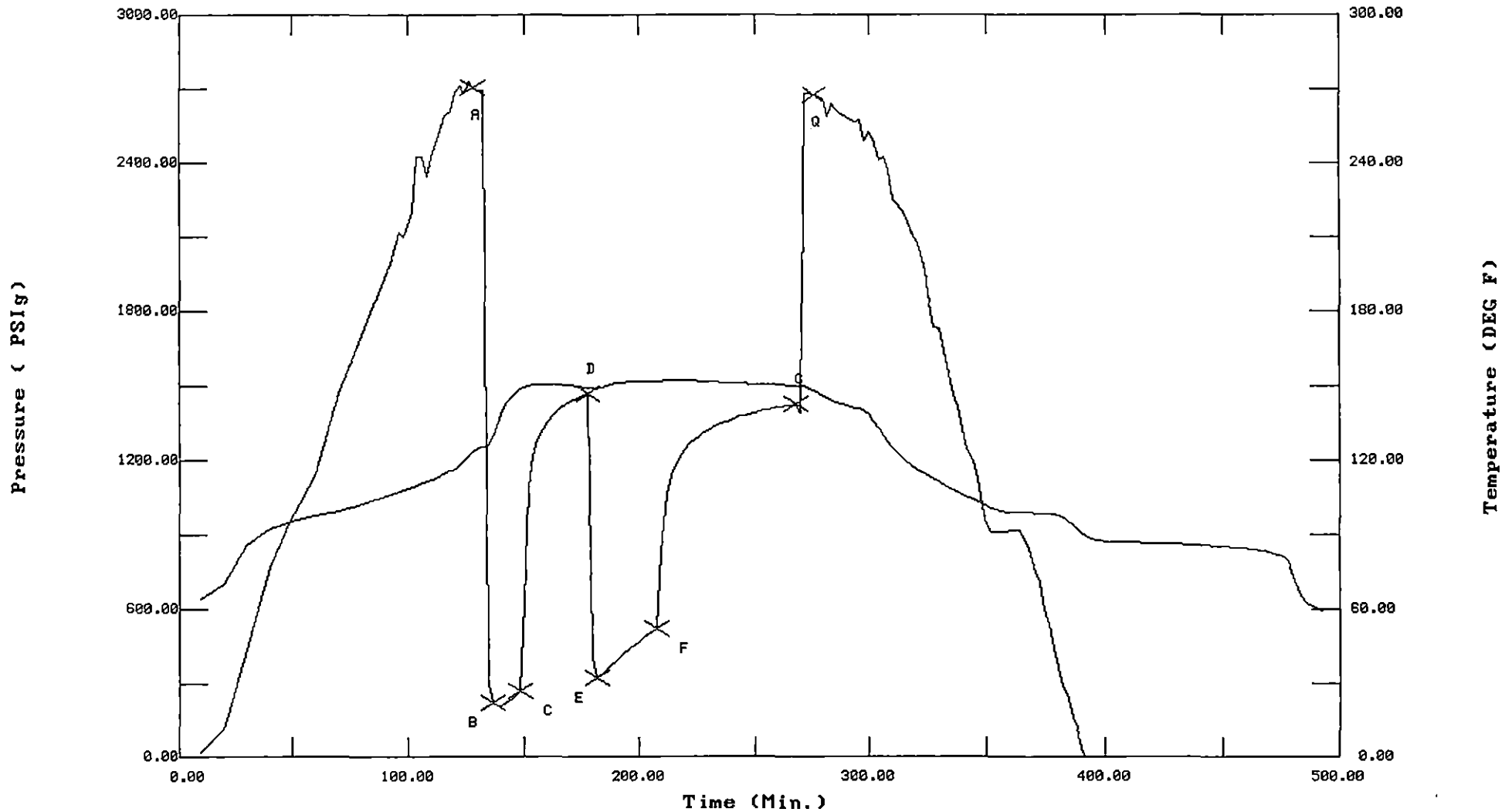
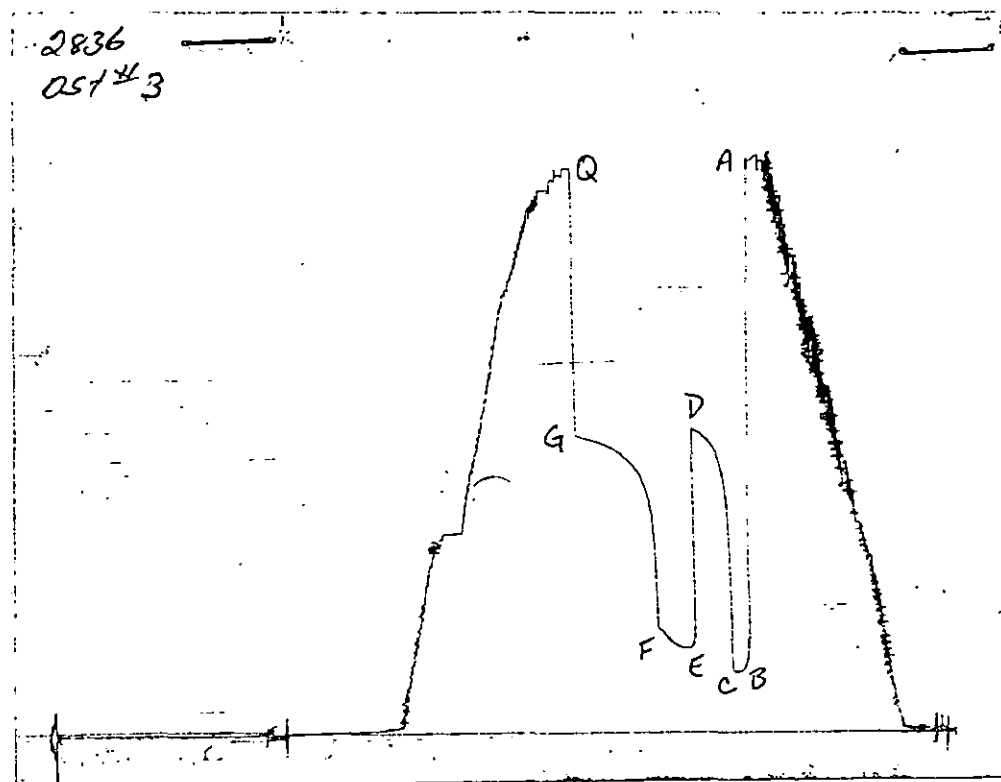


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7837 DST#3 Rosenwinkle #1 Oil Prod. Inc.

DATE: 03/08/96

TIME: 23:03:52

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
***** Initial Hydro.	128.00	2705.5	0.0	123.57		
***** Start Flow 1	0.00	220.3	0.0	128.88		
	2.00	204.9	-15.4	133.89		
	4.00	209.1	-11.2	138.83		
	6.00	221.1	0.8	142.64		
	8.00	234.8	14.5	145.35		
	10.00	252.4	32.1	147.22		
***** End Flow 1	12.00	269.7	49.4	148.49		
***** Start Shutin 1	0.00	269.7	0.0	148.49	0.0000	0.073
	2.00	625.1	355.4	149.38	7.0000	0.391
	4.00	1093.7	824.0	150.04	4.0000	1.196
	6.00	1218.5	948.7	150.43	3.0000	1.485
	8.00	1284.3	1014.6	150.65	2.5000	1.650
	10.00	1327.4	1057.7	150.75	2.2000	1.762
	12.00	1358.1	1088.4	150.80	2.0000	1.844
	14.00	1381.5	1111.8	150.85	1.8571	1.909
	16.00	1400.0	1130.3	150.82	1.7500	1.960
	18.00	1414.8	1145.1	150.70	1.6667	2.002
	20.00	1427.4	1157.6	150.50	1.6000	2.037
	22.00	1437.8	1168.1	150.27	1.5455	2.067
	24.00	1446.7	1177.0	150.06	1.5000	2.093
	26.00	1454.6	1184.9	149.84	1.4615	2.116
	28.00	1461.5	1191.8	149.64	1.4286	2.136
***** End Shut-in 1	30.00	1467.8	1198.1	149.44	1.4000	2.154
***** Start Flow 2	0.00	323.9	0.0	149.04		
	2.00	337.5	13.7	149.44		
	4.00	355.4	31.6	150.01		
	6.00	373.2	49.3	150.52		
	8.00	390.7	66.8	150.94		
	10.00	407.6	83.8	151.25		
	12.00	423.7	99.9	151.46		
	14.00	439.1	115.2	151.62		
	16.00	454.5	130.7	151.73		
	18.00	468.1	144.2	151.81		
	20.00	482.1	158.2	151.89		
	22.00	494.2	170.3	151.93		
	24.00	507.7	183.8	151.96		
***** End Flow 2	26.00	521.6	197.7	151.98		
***** Start Shutin 2	0.00	521.6	0.0	151.98	0.0000	0.272
	2.00	825.4	303.8	152.01	20.0000	0.681
	4.00	1061.2	539.6	152.09	10.5000	1.126
	6.00	1137.4	615.8	152.14	7.3333	1.294
	8.00	1183.6	662.0	152.19	5.7500	1.401
	10.00	1217.1	695.5	152.24	4.8000	1.481
	12.00	1243.1	721.5	152.25	4.1667	1.545
	14.00	1264.4	742.8	152.20	3.7143	1.599
	16.00	1282.1	760.5	152.13	3.3750	1.644
	18.00	1297.3	775.7	152.01	3.1111	1.683
	20.00	1310.4	788.8	151.89	2.9000	1.717
	22.00	1321.9	800.3	151.78	2.7273	1.747
	24.00	1332.0	810.4	151.65	2.5833	1.774

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 7837 DST#3 Rosenwinkle #1 Oil Prod. Inc.

DATE: 03/08/96

TIME: 23:03:52

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
	26.00	1341.1	819.5	151.53	2.4615	1.798
	28.00	1349.4	827.8	151.41	2.3571	1.821
	30.00	1357.1	835.5	151.31	2.2667	1.842
	32.00	1364.0	842.4	151.21	2.1875	1.860
	34.00	1370.4	848.8	151.09	2.1176	1.878
	36.00	1376.5	854.9	151.01	2.0556	1.895
	38.00	1382.0	860.4	150.91	2.0000	1.910
	40.00	1387.3	865.7	150.81	1.9500	1.925
	42.00	1392.3	870.7	150.73	1.9048	1.938
	44.00	1397.0	875.4	150.66	1.8636	1.952
	46.00	1401.5	879.9	150.58	1.8261	1.964
	48.00	1405.7	884.1	150.51	1.7917	1.976
	50.00	1409.7	888.1	150.43	1.7600	1.987
	52.00	1413.5	891.9	150.37	1.7308	1.998
	54.00	1417.2	895.6	150.30	1.7037	2.008
	56.00	1420.7	899.1	150.24	1.6786	2.018
	58.00	1424.0	902.4	150.18	1.6552	2.028
***** End Shut-in 2	60.00	1427.3	905.7	150.12	1.6333	2.037
***** Final Hydro.	276.00	2679.8	0.0	147.88		

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Rosenwinkle #1

LOCATION : 10-29S-32W

TICKET No. 7837 D.S.T. No. 3 DATE 3-8-96

TOTAL TOOL TO BOTTOM OF TOP PACKERS 29ft

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 30ft

TOTAL TOOL 59ft

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 59ft

D.C. ABOVE TOOLS.Stands Single Total

D.P. ABOVE TOOLS.Stands 91 Single Total 5626ft.

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5685ft.

TOTAL DEPTH 5656ft

TOTAL DRILL PIPE ABOVE K.B. 29ft.

REMARKS:

P.O. SUB	
C.O. SUB 1ft	5597
S.I. TOOL 5ft	5603
HMV HYD. Tool	5608
JARS 7ft	5615
SAFETY JOINT 2ft	5617
PACKER 5ft	5621
PACKER 5ft	5626
DEPTH 5626	
STUBB 5627	
ANCHOR	
Alpine Recorder	5628
6ft. Pick up sub	5633
T.C.	
DEPTH	
20ft perf	5653
AK-1 Recorder	5653
BULLNOSE 3ft bull plug	
T.D.	5656

CUSTOMER COPY

INVOICE



HALLIBURTON

ORIGINAL

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

INVOICE NO.	DATE
921211	02/28/1996

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
ROSENWINKLE 1	MASKELL	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL		CEMENT SURFACE CASING	02/28/1996
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
633989	DALE SMITH		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	04551

OIL PRODUCERS INC. OF KANSAS
 BOX 864
 WICHITA, KS 67201
 DIRECT CORRESPONDENCE TO:
 P.O. BOX 1598
 LIBERAL, KS 67901
 RECEIVED
 JUL 16 1996
 COMMUNICATIONS DIVISION
 KS

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	PRICING AREA - MID CONTINENT				
000-117	MILEAGE CEMENTING ROUND TRIP	20 MI		2.35	199.50
		1 UNT			
000-119	MILEAGE FOR CREW	20 MI		1.50	105.00
		1 UNT			
001-016	CEMENTING CASING	2000 FT		1,320.00	1,320.00
		1 UNT			
030-018	GENERATING PLUG 5W PLASTIC TOP	8 5/8 IN		130.00	130.00
		1 EA			
001-018	CEMENTING CASING - ADD HRS	3 HR		255.00	470.00
		1 UNT			
126	CUTDE SHOES 8 5/8" ORD THD	1 EA		216.00	216.00
825-217					
246	INSERT FLOAT VALVE - 8 5/8" ORD	1 EA		171.00	171.00
815-19502					
27	FILL-UP UNIT 7" - 8 5/8"	1 EA		61.00	61.00
815-19414					
11	CENTRALIZER 8 5/8" X 12-1/2"	3 EA		61.00	183.00
806-31049					
356	HALLIBURTON WELD-6	1 EA		16.75	16.75
890-10802					
019-200	PIPE 1"	50 FT		1.25	47.50
504-050	CEMENT - PREMIUM PLUS	100 SK		12.62	1,262.00
507-403	ANHYDROUS CALCIUM CHLORIDE	12 SK		35.75	73.50
500-306	MILEAGE CMTO MAT DEL OR RETURN	144.49 TMI		.95	7156.27
500-225	CEMENTING MATERIALS RETURNED	20 X		12.62	252.40
500-207	BULK SERVICE CHARGE	204 CFT		1.35	275.40
500-325	MILEAGE CMTO MAT DEL OR RETURN	331.63 TMI		.95	315.05
504-050	CEMENT - PREMIUM PLUS	150 SK		12.62	1,893.00
504-282	HIDDEN-2 PREMIUM PLUS CEMENT	336 SK		16.76	5,631.36
507-210	FLOCCEL	84 LB		1.65	138.60
507-406	ANHYDROUS CALCIUM CHLORIDE	14 SK		36.75	514.50
500-207	BULK SERVICE CHARGE	337 CFT		1.35	724.95

***** CONTINUED ON NEXT PAGE *****

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer

CUSTOMER COPY

INVOICE



HALLIBURTON

ORIGINAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE NO.	DATE
921211	02/28/1996

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
ROSKRINKLE 1		HASKELL		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
LIBERAL		CEMENT SURFACE CASING		02/28/1996	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
645989	DALE SMITH			COMPANY TRUCK	04551

DIRECT CORRESPONDENCE TO:

OIL PRODUCERS, INC. OF KANSAS
BOX 8447
WICHITA, KS 67208

P.O. BOX 1598
LIBERAL, KS 67501

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
500-306	MILEAGE CMTD NAT DEL OR RETURN	842.22	TMI	95	800.11
INVOICE SUBTOTAL					14,974.89
DISCOUNT (810)					4,771.92
INVOICE BID AMOUNT					10,182.97
* KANSAS STATE SALES TAX					318.70
* LIBERAL CITY SALES TAX					85.42
* SEWARD COUNTY SALES TAX					129.15
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$10,815.24

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KANSAS CORPORATION CO. MISSION

JUL 16 1996

CONSERVATION DIVISION
WICHITA, KS

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Midland
Liberal, Ks

BILLED ON TICKET NO. 921211

CUSTOMER: O.P. Producers Inc. 05% Lease Rosemount, Ks
WELL NO. 17
JOB TYPE: 8 5/8 SURFACE
DATE: 2-28-96

WELL DATA
FIELD _____ SEC. 30 TWP. 29S RNG. 32W COUNTY: Haskell STATE: Ks

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		24	8 5/8	KB	817	
LINER						
TUBING						
OPEN HOLE			12 1/4	GL	815	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 2-28	DATE 2-28	DATE 2-29	DATE 2-29
TIME 2015	TIME 2215	TIME 0405	TIME 0930

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
Float Cover <i>Tenacet Float</i>	1	Howco
Float Shoe <i>Fillyup</i>	1	
GUIDE SHOE <i>Reg</i>	1	
CENTRALIZERS	3	
BOTTOM PLUG		
TOP PLUG	1	
HEAD	1	
PACKER		
OTHER <i>Howco metal A</i>	1/2	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
D. Over	470041	Liberal, Ks
D. M. ...	52938	"
D. ...	50869 / 7649	Hogtown, Ks
D. ...	4115 / 1620	"

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JUL 16 1996

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API
DISPL. FLUID _____ DENSITY _____ LB/GAL. °API
PROP. TYPE _____ SIZE _____ LB.
PROP. TYPE _____ SIZE _____ LB.
ACID TYPE _____ GAL. _____ %
ACID TYPE _____ GAL. _____ %
ACID TYPE _____ GAL. _____ %
SURFACTANT TYPE _____ GAL. _____ IN.
NE AGENT TYPE _____ GAL. _____ IN.
FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN.
GELLING AGENT TYPE _____ GAL.-LB. _____ IN.
FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN.
BREAKER TYPE _____ GAL.-LB. _____ IN.
BLOCKING AGENT TYPE _____ GAL.-LB. _____
PERFPAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT DIVISION *Cement*
CONSERVATION DESCRIPTION OF JOB *8 5/8 SURFACE*

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE *X Dale Smith*
HALLIBURTON OPERATOR *Dennis Corie* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	336	1 1/2" Con	Prem Plus	39 CC	1/4# Floche	3.22	11.1
	150	Prem Plus		39 CC		1.32	14.8

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH: BBL.-GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. *113.06*
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. *227.94*
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. *23.5 FOR TOP OFF*
ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET *40.0'* REASON *Shoe Joint*



JOB LOG HAL-2013-C

DATE 2-28-96 PAGE NO.

CUSTOMER Oil Producers WELL NO. 1# LEASE Rosenwinkle JOB TYPE 8 3/4 Surface TICKET NO. 921211

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2015							Time Colled
	2100							Time Ready
	2215							Time onloc. Delg Surface Hole
	0230							Start Pumping Casing ORIGINAL
	0400							Casing in Hole
	0405							Hook Up To Circulate Casing
	0415							Circulate Casing w/ Big Pump.
	0417							Circulate Mud To Gabriel Level
	0435							Hook up To Pump Track
	0438	6.8				320		Start Mixing Cement
	0503		102.68			285		Start Tail Cement
	0508		35.26			200		Finish Mixing Cement
	0509		227.94 / Total BBL			200		Shut Down Drop Plug.
	0510	6				75		Start Displacement wash Pump's Lines
		4.5 Ag	113.0 BBL			1420		Plug Down
	0535					800		Float Held. Did not Circulate Cement AT All
	0545							Order Cent For Top OFF
	0845							Cement onloc.
	0850							Pig run 1" in Hole
	0910							Hook up To Pump Track
	0912							Start Mix Cement
	0923		23.5 BBL					Circulate Cement To The Pit w/ 100 sk Recumb
	0925							Shut Down Pull 1" out of Hole
	0930							Finish w Jobs.
Thanks For Calling Halliburton Energy								Dennis Coyle

KANSAS CORPORATION COMMISSION
JUL 7 1996
CONSERVATION DIVISION
WICHITA, KS



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Midwest
Liberal Ks

BILLED ON TICKET NO. 921211

CUSTOMER O. J. Producers Inc
LEASE 05
WELL NO. Kasevick
JOB TYPE 8 5/8 SURFACE
DATE 2-28-96

WELL DATA
FIELD _____ SEC 30 TWP. 29S RNG. 32W COUNTY Haskell STATE Ks

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		24	8 5/8	KB	817	
LINER						
TUBING						
OPEN HOLE			12 1/4	COL	815	SHOTS/FT.
PERFORATIONS			ORIGINAL			
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert Float</u>	1	<u>Hawco</u>
FLOAT SHOE <u>Fixed</u>	1	
GUIDE SHOE <u>Reg</u>	1	
CENTRALIZERS	3	
BOTTOM PLUG		
TOP PLUG	1	
HEAD	1	
PACKER		
OTHER <u>Howco wchok A</u>	1	<u>KB</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-28</u>	DATE <u>2-28</u>	DATE <u>2-28</u>	DATE <u>2-29</u>
TIME <u>2015</u>	TIME <u>2215</u>	TIME <u>0405</u>	TIME <u>0930</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Over</u>	<u>420041</u>	<u>Liberal Ks</u>
<u>D. Maguire</u>	<u>52938</u>	<u>11</u>
<u>D. Compney</u>	<u>50866</u>	<u>Hogston Ks</u>
<u>D. Compney</u>	<u>4115</u>	<u>11</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____
 PROP. TYPE _____ SIZE _____ LB. _____
 PROP. TYPE _____ SIZE _____ LB. _____
 ACID TYPE _____ GAL. _____ % _____
 ACID TYPE _____ GAL. _____ % _____
 ACID TYPE _____ GAL. _____ % _____
 SURFACTANT TYPE _____ GAL. _____ IN _____
 NE AGENT TYPE _____ GAL. _____ IN _____
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____
 BREAKER TYPE _____ GAL.-LB. _____ IN _____
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

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KANSAS CORPORATION COMMISSION
JUL 16 1996

CONSERVATION DIVISION
WICHITA, KS

DESCRIPTION OF JOB Cement 8 5/8 SURFACE

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Dale Smith

HALLIBURTON OPERATOR Dennis Cole COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	336	<u>MidCon</u>	<u>Prem Plus</u>	<u>3% CC</u>	<u>1/4# Florehe</u>	3.22	11.1
	150	<u>Prem Plus</u>		<u>3% CC</u>		1.32	14.8

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET 40.01 REASON Shoe joint

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 113.06
 CEMENT SLURRY: BBL.-GAL. 227.94
 TOTAL VOLUME: BBL.-GAL. 23.5 FOR TOP OFF

REMARKS

JOB LOG HAL-2013-C

 CUSTOMER **Oil Producers** WELL NO. **1 #** LEASE **Rosenwinkel** JOB TYPE **8 5/8 SURFACE** TICKET NO. **921211**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	

	2015							Time Cooled
	2100							Time Ready
	2215							Time outloc. Delg Surface Hole

ORIGINAL

	0230							Start Pumping Casing
--	------	--	--	--	--	--	--	----------------------

	0400							Casing in Hole
--	------	--	--	--	--	--	--	----------------

	0405							Hook up To Circulate Casing
--	------	--	--	--	--	--	--	-----------------------------

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	0415							Circulate Casing w/ Big Pump
--	------	--	--	--	--	--	--	------------------------------

	0417							Circulate Mid To Ground Level
--	------	--	--	--	--	--	--	-------------------------------

JUL 16 1996

	0435							Hook up To Pump Truck
--	------	--	--	--	--	--	--	-----------------------

 CONSERVATION DIVISION
 WICHITA, KS

	0438	6.8				320		Start Mixing Cement
--	------	-----	--	--	--	-----	--	---------------------

	0503		192.68			225		Start Tail Cement
--	------	--	--------	--	--	-----	--	-------------------

	0508		35.26			200		Finish Mixing Cement
--	------	--	-------	--	--	-----	--	----------------------

	0509		227.94			200		Shut Down Deep Plug
--	------	--	--------	--	--	-----	--	---------------------

Total BBL

	0510	6				75		Start Displacement
--	------	---	--	--	--	----	--	--------------------

4.5 Ag 113.02 BBL

	0535					420		Plug Down Wash Pump's Lines
--	------	--	--	--	--	-----	--	-----------------------------

 420
 400

								Float Held. Did not Circulate Cement at All
--	--	--	--	--	--	--	--	---

	0545							Backen Cent Fore Top off
--	------	--	--	--	--	--	--	--------------------------

	0845							Cement outloc.
--	------	--	--	--	--	--	--	----------------

	0850							Run run 1" in Hole
--	------	--	--	--	--	--	--	--------------------

	0910							Hook up To Pump Truck
--	------	--	--	--	--	--	--	-----------------------

	0912							Start Mix Cement
--	------	--	--	--	--	--	--	------------------

23.5 BBL

	0923							Circulate Cent To the Pit w/ 100 sk Pump
--	------	--	--	--	--	--	--	--

	0925							Shut Down Pull 1" out of hole
--	------	--	--	--	--	--	--	-------------------------------

	0930							Finish w jobs.
--	------	--	--	--	--	--	--	----------------

Thanks For Calling Halliburton Energy

Dennis Gray

CUSTOMER COPY



HALLIBURTON ORIGINAL

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
920034	03/10/1996

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
DEENWINKLE 1	HASKELL	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	VAL ENERGY	CEMENT PRODUCTION CASING	03/10/1996
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
46969	BRAD		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	04969

RECEIVED

DIRECT CORRESPONDENCE TO:

OIL PRODUCERS INC. OF KANSAS CORPORATION COMMISSION
P.O. BOX 1593
LIBERAL KS 67901
MICHITA, KS 67208
JUL 16 1996

CONSERVATION DIVISION

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	72 MI		2.85	205.20
		1 UNT			
000-119	MILEAGE FOR CREW	72 MI		1.50	108.00
		1 UNT			
007-013	MULT STAGE CEMENTING-1ST STAGE	5711 FT		2,000.00	2,000.00
001-015		1 UNT			
007-161	MULT STAGE CEMENTING-ADD STAGE	1 STG		1,400.00	1,400.00
		1 UNT			
12A	GUIDE SHOE - 5 1/2" BRD THD	1 EA		121.00	121.00
825-205					
40	CENTRALIZER-5-1/2 X 7-7/8	6 EA		60.00	360.00
806-60022					
71	MULT STAGE CNTR-5-1/2 BRD	1 EA		2,925.00	2,925.00
813-80300					
75	PLUG SET - FREE FALL - 5-1/2 B	1 EA		840.00	840.00
813-16511					
320	BASKET-CMT-5 1/2 CGG X 17"OD	2 EA		104.00	208.00
806-71430					
350	HALLIBURTON WELD-A	1 EA		16.75	16.75
820-10802					
314-169	CLAYFIX II	2 GAL		28.00	56.00
018-317	SUPER FLUSH	10 SK		100.00	1,000.00
504-043	CEMENT - PREMIUM	25 SK		11.08	277.00
504-120	CEMENT - HALL. LIGHT PREM PLUS	125 SK		11.12	1,390.00
507-770	D-AIR L. POWDER	6 LB		3.25	19.50
507-775	HALAD-322	18 LB		7.00	126.00
508-127	GAL SEAL-60	1 SK		25.90	25.90
508-291	GILSONITE-BULK	125 LB		.40	50.00
509-768	SALT	211 LB		.15	31.65
500-207	BULK SERVICE CHARGE	159 CFT		1.35	213.90
500-306	MILEAGE CHRG MAT DEL OR RETURN	265.54 TMI		.95	252.28
504-043	CEMENT - PREMIUM	225 SK		11.08	2,493.00

***** CONTINUED ON NEXT PAGE *****

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer shall be responsible for all collection and court costs.



DATE

INVOICE NO. 920034 03/10/1996

WELL/PROJECT LOCATION	STATE	OWNER
MASKELL	KS	SAHE
CONTRACTOR	JOB PURPOSE	TICKET DATE
ENERGY	CEMENT PRODUCTION CASING	03/10/1996
VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA
		COMPANY TRUCK
		FILE NO. 04969

DIRECT CORRESPONDENCE TO:
 INC. OF KANSAS P. O. BOX 1598
 67208 LIBERAL KS 67901

ORIGINAL

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
50/50 POZMIX PREMIUM POWDER	50	SK	8.77	438.50 *
322	55	LB	3.25	182.00 *
1AL 60	159	LB	7.00	1,113.00 *
NITE BULK	11	SK	25.90	284.90 *
	1125	LB	.40	450.00 *
SERVICE CHARGE	1903	LB	.15	285.45 *
BASE CHRG MAT DEL OR RETURN	239	CFT	1.55	357.65 *
	550.09	TMI	.95	522.59 *

INVOICE SUBTOTAL 17,852.67
 DISCOUNT-(BID) 5,712.79
 INVOICE BID AMOUNT 12,139.88
 *KANSAS STATE SALES TAX 425.38
 *LIBERAL CITY SALES TAX 64.89
 *SEWARD COUNTY SALES TAX 190.23

RECEIVED KANSAS CORPORATION COMMISSION

JUL 16 1996

CONSERVATION DIVISION WICHITA, KS

INVOICE TOTAL - PLEASE PAY THIS AMOUNT \$12,782.29

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never more than 20% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay fees of 20% of the unpaid account, plus all collection and court costs.



JOB SUMMARY

HALLIBURTON DIVISION

MED CONT.

HALLIBURTON LOCATION

GERARD Ks

BILLED ON TICKET NO.

920034

WELL DATA

FIELD _____ SEC _____ TWP. _____ RNG. _____ COUNTY HASSELL STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 5700

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	0	15.5	5 1/2	K.B	5715	
LINER						
TUBING						
OPEN HOLE			7 7/8	G.L	5700	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		H
FLOAT SHOE		0
GUIDE SHOE <u>REG</u>	1	W
CENTRALIZERS <u>S. - 4</u>	6	C
BOTTOM PLUG <u>D.W. Plug Set</u>	1	H O
TOP PLUG <u>D.W. Tool</u>	1	O
HEAD <u>FREE FALL</u>	1	W
PACKER <u>CMT BARILET</u>	2	C
OTHER <u>WELD - A</u>	1	O

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-10-96</u>	DATE <u>3-10-96</u>	DATE <u>3-10-96</u>	DATE <u>3-10-96</u>
TIME <u>06:00</u>	TIME <u>09:45</u>	TIME <u>17:08</u>	TIME <u>21:30</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
R. Elwood	420045	
D. 4360	P.O.	Gerard Ks
G. Cornilison	52947	
G. 2569	75496 (P)	"
J. ADAR	30866	
G. 3213	75817 (R)	Hopkinton Ks
M. Langwirth	30737	
G. 9510	6611 (B)	"
Puggins	38572	Liberal

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API

DISPL. FLUID _____ DENSITY _____ LB/GAL. °API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 16 1996

CONSERVATION DIVISION
WICHITA, KS

DEPARTMENT 5001 CMT

DESCRIPTION OF JOB 5 1/2 D.W. LONGSTRENGTH

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR Robert Elwood COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	25	50/50 Poz H	H	B	(To Plug Rate Mouse)	2.0	12
1	25	50/50 Poz H	H	B	(SCAVENGER)	2.0	12
1	250	H	H	B	(5% Col-Seal, 1/4% D-AB, 5% Gilmanite, 7/4% H ₂ O ₂ , 18% Salt)	1.39	15.3
2	125	Pt Lt WT				2.06	12.3

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH (BBL) GAL. 20, 10.5 TYPE 20% PCL Super Flow

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL. (BBL) GAL. 135.74

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY (BBL) GAL. 78, 46

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. 368

ORDERED _____ AVAILABLE _____ USED _____ REMARKS

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 36.26 REASON SHOE JOINT

M.S.D.S. Given to COMPANY MAN

CUSTOMER: Dr. Producer Inc. of Roseburg
 Roseburg, OR
 WELL NO. 5 1/2 D.W. Longstreng
 JOB TYPE: 5 1/2 D.W. Longstreng
 DATE: 3-10-96

JOB LOG HAL-2013-C

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
OIL PRODUCER INC OF KS	#2	Rosen WENKLE	5 1/2 D.U. Longtrains	920034

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	06:00							Called out Ready 10:00
	09:45							ON LOC Rig G.D.D.P.
	11:00							BIT OUT OF HOLE ORIGINAL
	13:00							Rig up Casers
	11:20							LAY DOWN RAT & MOUSE
	17:30							GMT BURY'G ON LOC
	13:15							START CASING
	14:35							INSTALL D.U. Tool top IT #65 3100'
	16:10							CASING ON BOTTOM
	16:20							Circulate with Rig
	17:00							Hook to Halliburton
	17:08	3 3/4	30			300		START PREFLUSH AHEAD
	17:16	4 1/2	8.9			200		START SCALING Gmt @ 12 #/gal
	17:18	4	62			300		START TALK Gmt @ 15.3 #/gal
	17:23							SHUT DOWN
	17:25							Drop CATCH DOWN Plug / WASH TO Pit
	17:30	5	61.29			100		START H ₂ O Displacement
	17:42	5 1/2	73.78			200		START MUD Displacement
	17:55					900		Plug Down
	17:57							Release BACK CATCH DOWN Plug
	18:02							Drop Bomb
	18:13					1500		Open Tool
	18:20							Hook up Circulate with Rig
								2 nd STAGE
	2008	3	8.9			70		Plug RAT & MOUSE Holes
	2010	5	5			100		START H ₂ O AHEAD
	2012	6 1/2	46			1050		START Gmt @ 12.3 #/gal
	2019							SHUT DOWN
	2020							Drop CROSSING Plug / WASH TO Pit
	2022	5	74			100		START H ₂ O Displacement
	2036					1200		Plug Down Close D.U. Tool
	2037							Release BACK

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 16 1996



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

M&D Cont.
GERBERN Ks

BILLED ON TICKET NO. 920034

WELL DATA

FIELD _____ SEC _____ TWP. _____ RNG. _____ COUNTY HASSELL STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 5700

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	13.5	5 1/2	K.B.	5716.5	
LINER						
TUBING						
OPEN HOLE			7 7/8	G.L.	5700	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		H
FLOAT SHOE		O
GUIDE SHOE <u>REG</u>	1	W
CENTRALIZERS <u>S-4</u>	6	C
BOTTOM PLUG <u>D.W. Plug Set</u>	1	H O
TOP PLUG <u>D.W. Tool</u>	1	O
HEAD <u>FREE FALL</u>	1	W
PACKER <u>CMT BARILET</u>	2	C
OTHER <u>WELD-A</u>	1	O

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-10-96</u>	DATE <u>3-10-96</u>	DATE <u>3-10-96</u>	DATE <u>3-10-96</u>
TIME <u>06:00</u>	TIME <u>09:45</u>	TIME <u>17:08</u>	TIME <u>21:30</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Elwood</u>	<u>420045</u>	<u>Liberal Ks</u>
<u>D. 4360</u>	<u>P.O.</u>	<u>Liberal Ks</u>
<u>G. Cornilsson</u>	<u>52947</u>	<u>"</u>
<u>G. 2569</u>	<u>75496 (P)</u>	<u>"</u>
<u>J. AORR</u>	<u>50866</u>	<u>"</u>
<u>G. 3813</u>	<u>75817 (R)</u>	<u>Hopston Ks</u>
<u>M. Langworth</u>	<u>50737</u>	<u>"</u>
<u>G. 9510</u>	<u>6611 (B)</u>	<u>"</u>
<u>Pugin</u>	<u>78872</u>	<u>Liberal</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

RECEIVED DEPARTMENT 5001 CMT
KANSAS CORPORATION COMMISSION
DESCRIPTION OF JOB 5 1/2 D.W. LONGSTRENGTH

JUL 16 1996

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CONSERVATION DIVISION WICHITA, KS

CUSTOMER REPRESENTATIVE X Robert Elwood

HALLIBURTON OPERATOR ROBERT ELWOOD COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	25	50/50 Poz H	H	B	(6% Plug Rate Mouse)	2.0	12
1	25	50/50 Poz H	H	B	(SCAVENGER)	2.0	12
1	250	H	H	B	(5% Col-Seal, 1/4% H ₂ O-Red, 5% Gibonox, 7 1/4% H ₂ O ³⁰⁰ , 18% Salt)	1.39	15.3
2	125	Pt Lt WT				2.06	12.3

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH 20, 10.5 GAL. TYPE 20% HCL Super Flow

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL. 135.74 GAL. _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY 78,46 GAL. _____

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. 368

ORDERED _____ AVAILABLE _____ USED _____ REMARKS M.S.D.S. Given to Company (P) (D)

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 36.26 REASON SHOE JOINT

CUSTOMER: Dr. Producers Inc. of Kansas PO BOX 121111
WELL NO. 2
JOB TYPE: 5 1/2 D.W. LONGSTRENGTH DATE: 3-10-96

JOB LOG HAL-2013-C

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
OIL PRODUCER: Inc of Ks	#1	Rosen WENIGLE	5 1/2 D.W. Longstrids	920034

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	06:00							Called out Peppy 10:00
	09:45							ON LOC Rig G.D.D.P.
	11:00							BIT OUT OF HOLE. ORIGINAL
	13:00							Rig up CASERS
	11:20							LAY DOWN RAT & MOUSE
	12:30							CMT BURY'S ON LOC
	13:15							START CASING
	14:35							INSTALL O.W. Tool top IT #45 3100'
	16:10							CASING ON BOTTOM
	16:20							Circulate with Rig
	17:00							Hook to Halliburton
	17:08	3 3/4	30				300	START PREFLUIT AHEAD
	17:16	4 1/2	8.9				200	START SCALING CMT @ 12.3 #/gal
	17:18	4	62				300	START TAIL CMT @ 15.3 #/gal
	17:23							SHUT DOWN
	17:25							Drop CATCH DOWN Plug / WASH TO PIT
	17:30	5	61.29				100	START H ₂ O Displacement
	17:42	5 1/2	73.78				200	START H ₂ O Displacement
	17:55						900	Plug Down
	17:57							Release BACK CATCH DOWN Plug
	18:02							Drop Bomb
	18:13						1500	Open Tool
	18:20							Hook up Circulate with Rig
								2 ND STAGE
	2008	3	8.9				70	Plug RAT & Mouse Holes
	2010	5	5				100	START H ₂ O AHEAD
	2012	6 1/2	46				1050	START CMT @ 12.3 #/gal
	2019							SHUT DOWN
	2020							Drop CROSSING Plug / WASH TO PIT
	2022	5	74				100	START H ₂ O Displacement
	2036						1200	Plug Down Close D.W. Tool
	2037							Release BACK

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 16 1996

CONSERVATION DIVISION
WICHITA, KS