

ORIGINAL

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

API NO. 15- 119-20,916-00-00

County MEADE

- C - E/2 - SE Sec. 36 Twp. 33 Rge. 29

1320 Feet from S/N (circle one) Line of Section

660 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 CORDES Well # 1

Field Name

Producing Formation Novinger section of Marmaton

Elevation: Ground 2381 KB 2386

Total Depth 6075' PBTD 5284

Amount of Surface Pipe Set and Cemented at 1510' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1 JH 5-22-95
(Data must be collected from the Reserve pit)

Chloride content 4300 ppm Fluid volume est 450 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

Operator: License # 8061

Name: OIL PRODUCERS, INC. OF KANSAS

Address P.O. BOX 8647

City/State/Zip WICHITA, KANSAS 67208

Purchaser: FARMLAND INDUSTRIES, INC.

Operator Contact Person: DIANA RICHECKY

Phone (316) 681-0231

Contractor: Name: ABERCROMBIE RTD, INC.

License: 30684

Wellsite Geologist: TERRY McLBOD

Designate Type of Completion

X New Well Re-Entry Workover

X 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 PBTD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

7/22/94 8/5/94 8/21/94

Spud Date Date Reached TD Completion Date

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 John S. Weir

Title President Date 10/14/94

Subscribed and sworn to before me this 14 day of October 19 94

Notary Public Sheryl L. Murphy

Date Commission Expires 12-19-96



RECEIVED

STATE CORPORATION COMMISSION

OCT 18 1994

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

Conservation Division Received

WICHITA, KANSAS

Geologic Report Received

Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)

Pi

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

Sec. 36 Twp. 33S Rge. 29 East West County Meade

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	Wreford	2864	(- 478')
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Council Grove	2972	(- 586')
List All E.Logs Run:		Heebner	4274	(-1888')
GEO. LOG, COMPENSATED DENSITY		Toronto Lime	4297	(-1911')
NEUTRON, DUAL INDUCTION LOG,		Lansing/KC	4451	(-2065')
COMPENSATED SONIC LOG		Swope	4906	(-2520')
		B/KC	5080	(-2694')
		Marmaton	5112	(-2726')
		Cherokee Sh	5294	(-2908')
		Morrow Sh	5622	(-3236')
		Morrow Sand	5647	(-3261')
		Mississippi Ches	5692	(-3306')
		LTD	6082	

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"	23#	1510	65 35 POZ	500	6% g, 3% cc
					Class A	150	3% cc; 2% gel
production		4 1/2"	10.5#	5326	EA-2	200	

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
		4	5171'-5172'

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STATE CORPORATION COMMISSION

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2 3/8"	5214.07'		OCT 1 8 1994		
Date of First, Resumed Production, SWD or Inj. 8/15/94			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> CONSERVATION DIVISION Other (Explain) WICHITA, KANSAS				
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		40			2		

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, submit ACO-18.) Other (Specify) _____

ORIGINAL

DRILL STEM TEST INFORMATION

CORDES #1
C E/2 SE 36-33S-29W
MEADE COUNTY, KS.

API#15-119-20916

OPERATOR: OIL PRODUCERS, INC. OF KANSAS

DST #1

INTERVAL TESTED: 2998 TO 3040'
TEMP: 102`
IFP: 30
FFP: 30
ISHP: 45
FSHP: 45
FHP: 1510

STRONG OFF BOTTOM OF BUCKET IN 45 SEC. ON IFP. STRONG OFF BOTTOM OF BUCKET IN 2 MIN. ON FFP.

DST #2

INTERVAL TESTED: 4249 TO 4320'
TEMP: 114`
IFP: 30
FFP: 45
ISHP: 45
FSHP: 45
FHP: 2046

IFP STRONG BLOW - OFF BOTTOM OF BUCKET IN 30 SEC. FFP STRONG BLOW OFF BOTTOM OF BUCKET IN 2 MIN.

DST #3

INTERVAL TESTED: 4880 TO 4927'
TEMP: 126`
IFP: 45
FFP: 45
ISHP: 45
FSHP: 45
FHP: 2407

IFP STRONG BLOW OFF BOTTOM OF BUCKET IN 30 SEC. GAS TO SURFACE IN 13 MINUTES. FFP STONG BLOW IN 1 MIN.

RECEIVED
STATE CORPORATION COMMISSION

OCT 18 1994

CONSERVATION DIVISION
WICHITA, KANSAS

DRILL STEM TEST INFORMATION

ORIGINAL

CORDES #1
C E/2 SE 36-33S-29W
MEADE COUNTY, KS.

API #15-119-20916

OPERATOR: OIL PRODUCERS, INC. OF KANSAS

DST #4

INTERVAL TESTED: 5141 TO 5177'
TEMP: 126`
IFP: 45
FFP: 45
ISHP: 45
FSHP: 45
FHP: 2514

IFP STRONG BLOW - OFF BOTTOM OF BUCKET IN 30 SEC. GAS TO SURFACE
IN 6 MINUTES. FFP STRONG BLOW IMMEDIATELY.

DST #5

INTERVAL TESTED: 5637 TO 5665'
TEMP: 134`
IFP: 45
FFP: 45
ISHP: 45
FSHP: 60
FHP: 2755

IFP WEAK 1 INCH BLOW SLOWLY BUILD TO 8 INCHES IN BUCKET IN 45
MINUTES. FFP SURFACE BLOW SLOWLY BUILD TO 2 1/2 INCHES.

DST #6

INTERVAL TESTED: 5957 TO 6075'
TEMP: 140`
IFP: 30
FFP: 00
ISHP: 30
FHP: 2978

IFP WEAK 1 INCH BLOW DECREASED TO 3/4 INCHES IN BUCKET IN 30
MINUTES.

RECEIVED
STATE CORPORATION COMMISSION

OCT 18 1994
IN BUCKET IN 30
CONSERVATION DIVISION
WICHITA, KANSAS

FORMATION

TEST

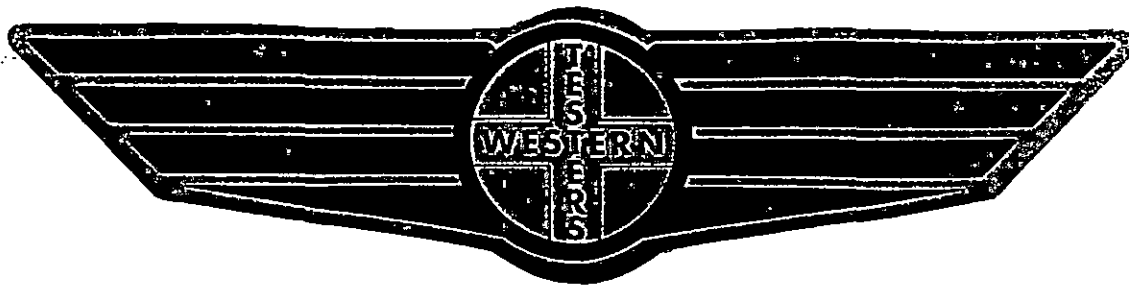
REPORT

ORIGINAL

COMPANY OIL PRODUCERS, INC. OF KS LEASE & WELL NO. #1 CORDES

API # 15-119-20916

SPL. JO TWR. 333KGL. 29W (1:51) INC. DATE 11/20/94



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 7-26-94	TICKET	: 20831
CUSTOMER	: OIL PRODUCERS INC. OF KS.	LEASE	: CORDES
WELL	: #1	TEST: 1	GEOLOGIST: TERRY MCLEOD
ELEVATION	: 2386 K.B.	FORMATION:	
SECTION	: 36	TOWNSHIP	: 33S
RANGE	: 29W	COUNTY: MEADE	STATE : KS
GAUGE SN#	: 10242	RANGE : 4100	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	2998.00 ft	TO:	3040.00 ft	TVD:	3040.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3000.0 ft		3003.0 ft		
TEMPERATURE:	102.0				
DRILL COLLAR LENGTH:	355.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	2621.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	22.0 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:	2993.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	2998.0 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. :	ABERCROMBIE #5	VISCOSITY :	38.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	0.000 cc
WEIGHT :	9.300 ppg	SERIAL NUMBER:	
CHLORIDES :	62000 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

STRONG OFF BOTTON OF BUCKET IN 45 SECONDS ON
INITIAL FLOW PERIOD. STRONG OFF BOTTOM OF BUCKET
IN 2 MINUTES ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

SLID TOOL 10' TO BOTTOM.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	4.0	58.0	38.0	GASSY MUD CUT WATER
1180.0	0.0	1.0	99.0	0.0	GASSY SALT WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 84000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	1.1258	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.6396	STB	AVERAGE WATER RATE:	355.2026	STB/D
WATER VOLUME:	14.1605	STB			
TOTAL FLUID :	14.8001	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1598.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	202.00	514.00
INITIAL SHUT-IN	45.00		935.00
FINAL FLOW	30.00	574.00	693.00
FINAL SHUT-IN	45.00		931.00

FINAL HYDROSTATIC PRESSURE: 1510.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1557.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	202.00	514.00
INITIAL SHUT-IN	45.00		935.00
FINAL FLOW	30.00	574.00	693.00
FINAL SHUT-IN	45.00		931.00

FINAL HYDROSTATIC PRESSURE: 1510.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7-26-94	TICKET : 20831
CUSTOMER : OIL PRODUCERS INC. OF KS.	LEASE : CORDES
WELL : #1	TEST: 1
ELEVATION: 2386 K.B.	GEOLOGIST: TERRY MCLEOD
SECTION : 36	FORMATION:
RANGE : 29W	TOWNSHIP : 33S
COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242	RANGE : 4100
	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	202.00	202.00
5.00	251.00	49.00
10.00	317.00	66.00
15.00	388.00	71.00
20.00	438.00	50.00
25.00	491.00	53.00
30.00	514.00	23.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	833.00	833.00	0.00
6.00	866.00	33.00	0.00
9.00	891.00	25.00	0.00
12.00	904.00	13.00	0.00
15.00	908.00	4.00	0.00
18.00	911.00	3.00	0.00
21.00	915.00	4.00	0.00
24.00	919.00	4.00	0.00
27.00	922.00	3.00	0.00
30.00	925.00	3.00	0.00
33.00	927.00	2.00	0.00
36.00	929.00	2.00	0.00
39.00	931.00	2.00	0.00
42.00	933.00	2.00	0.00
45.00	935.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	574.00	574.00
5.00	583.00	9.00
10.00	605.00	22.00
15.00	636.00	31.00
20.00	656.00	20.00
25.00	678.00	22.00
30.00	693.00	15.00

FINAL SHUT IN

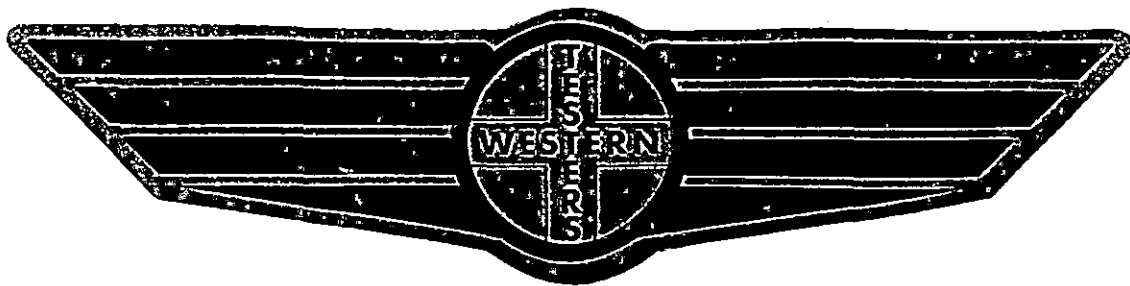
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	870.00	870.00	0.00
6.00	895.00	25.00	0.00
9.00	904.00	9.00	0.00
12.00	910.00	6.00	0.00
15.00	913.00	3.00	0.00
18.00	916.00	3.00	0.00
21.00	920.00	4.00	0.00
24.00	923.00	3.00	0.00
27.00	925.00	2.00	0.00
30.00	926.00	1.00	0.00
33.00	927.00	1.00	0.00
36.00	928.00	1.00	0.00
39.00	929.00	1.00	0.00
42.00	930.00	1.00	0.00
45.00	931.00	1.00	0.00

FORMATION

TEST

REPORT

ORIGINAL



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY OIL PRODUCERS, INC. OF KS LEASE & WELL NO. #1 CORDES SEC. 30 TWP. 30S RGE. 4E TEST NO. 4 DATE

API #15-119-20916

DST REPORT

GENERAL INFORMATION

DATE : 7/29/94
CUSTOMER : OIL PRODUCERS, INC OF KS
WELL : #1 TEST: 2
ELEVATION: 2386 KB
SECTION : 36
RANGE : 29W COUNTY: MEADE
GAUGE SN#: 10242 RANGE : 4100
TICKET : 20832
LEASE : CORDES
GEOLOGIST: MCLEOD
FORMATION: TORONTO
TOWNSHIP : 33S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4249.00 ft TO: 4320.00 ft TVD: 4320.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4276.0 ft 4279.0 ft
TEMPERATURE: 114.0
DRILL COLLAR LENGTH: 325.0 ft I.D.: 2.250 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 3896.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 28.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 71.0 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: 4244.0 ft SIZE: 6.630 in
PACKER DEPTH: 4249.0 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. : ABERCROMBIE RIG 5
MUD TYPE : CHEMICAL
WEIGHT : 9.100 ppg
CHLORIDES : 3000 ppm
JARS-MAKE : WTC
DID WELL FLOW?: NO
VISCOSITY : 46.00 cp
WATER LOSS: 9.600 cc
SERIAL NUMBER: 406
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - OFF BOTTOM OF
BUCKET IN 30 SECONDS. FINAL FLOW PERIOD STRONG
BLOW - OFF BOTTOM OF BUCKET IN 2 MINUTES -

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

DECREASED SLIGHTLY OVER 45 MINUTES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
295.0	0.0	4.0	0.0	96.0	SL GAS CUT MUD
180.0	0.0	8.0	42.0	50.0	SL GAS, HVY WATER CUT MUD
2305.0	0.0	3.0	97.0	0.0	SL GAS CUT SALTWATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 96000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	7.0109	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	5.2346	STB	AVERAGE WATER RATE:	591.5907	STB/D
WATER VOLUME:	29.5496	STB			
TOTAL FLUID :	34.7843	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2116.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	894.00	1352.00
INITIAL SHUT-IN	45.00		1406.00
FINAL FLOW	45.00	1399.00	1406.00
FINAL SHUT-IN	45.00		1406.00

FINAL HYDROSTATIC PRESSURE: 2046.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2093.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	909.00	1374.00
INITIAL SHUT-IN	45.00		1420.00
FINAL FLOW	45.00	1416.00	1422.00
FINAL SHUT-IN	45.00		1422.00
FINAL HYDROSTATIC PRESSURE:	2054.00		

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7/29/94	TICKET : 20832
CUSTOMER : OIL PRODUCERS, INC OF KS	LEASE : CORDES
WELL : #1 TEST: 2	GEOLOGIST: MCLEOD
ELEVATION: 2386 KB	FORMATION: TORONTO
SECTION : 36	TOWNSHIP : 33S
RANGE : 29W COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	909.00	909.00
5.00	927.00	18.00
10.00	1037.00	110.00
15.00	1185.00	148.00
20.00	1272.00	87.00
25.00	1344.00	72.00
30.00	1374.00	30.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1408.00	1408.00	0.00
6.00	1414.00	6.00	0.00
9.00	1417.00	3.00	0.00
12.00	1419.00	2.00	0.00
15.00	1419.00	0.00	0.00
18.00	1419.00	0.00	0.00
21.00	1419.00	0.00	0.00
24.00	1419.00	0.00	0.00
27.00	1419.00	0.00	0.00
30.00	1420.00	1.00	0.00
33.00	1420.00	0.00	0.00
36.00	1420.00	0.00	0.00
39.00	1420.00	0.00	0.00
42.00	1420.00	0.00	0.00
45.00	1420.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	1416.00	1416.00
5.00	1418.00	2.00
10.00	1421.00	3.00
15.00	1421.00	0.00
20.00	1421.00	0.00
25.00	1421.00	0.00
30.00	1422.00	1.00
35.00	1422.00	0.00
40.00	1422.00	0.00
45.00	1422.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1422.00	1422.00	0.00
6.00	1422.00	0.00	0.00
9.00	1422.00	0.00	0.00
12.00	1422.00	0.00	0.00
15.00	1422.00	0.00	0.00
18.00	1422.00	0.00	0.00
21.00	1422.00	0.00	0.00
24.00	1422.00	0.00	0.00
27.00	1422.00	0.00	0.00
30.00	1422.00	0.00	0.00
33.00	1422.00	0.00	0.00
36.00	1422.00	0.00	0.00
39.00	1422.00	0.00	0.00
42.00	1422.00	0.00	0.00
45.00	1422.00	0.00	0.00

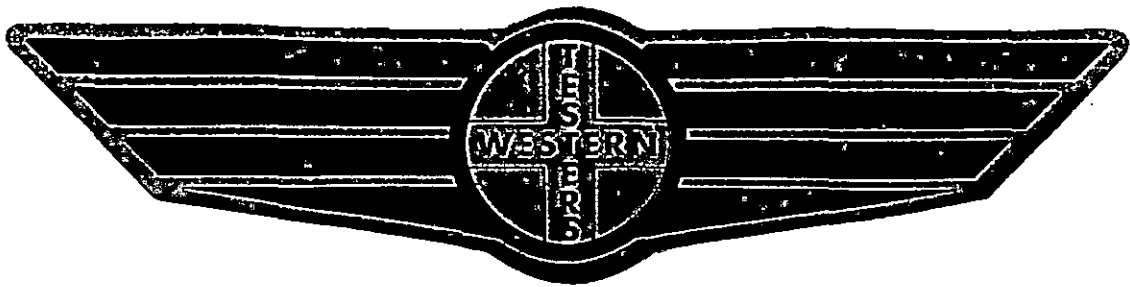
FORMATION

TEST

ORIGINAL

REPORT

RPT#15-119-20916



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone : 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 7/31/94
CUSTOMER : OIL PRODUCERS, INC OF KS
WELL : #1 TEST: 3
ELEVATION: 2386 KB
SECTION : 36
RANGE : 29W COUNTY: MEADE
GAUGE SN#: 10242 RANGE : 4100
TICKET : 20833
LEASE : CORDES
GEOLOGIST: MCLEOD
FORMATION: SWOPE
TOWNSHIP : 33S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4880.00 ft TO: 4927.00 ft TVD: 4927.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4882.0 ft 4885.0 ft
TEMPERATURE: 126.0

DRILL COLLAR LENGTH: 265.0 ft I.D.: 2.250 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4587.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 28.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 47.0 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: 4875.0 ft SIZE: 6.630 in
PACKER DEPTH: 4880.0 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. : ABERCROMBIE RIG 5
MUD TYPE : CHEMICAL VISCOSITY : 49.00 cp
WEIGHT : 9.300 ppg WATER LOSS: 10.800 cc
CHLORIDES : 5000 ppm
JARS-MAKE : WTC SERIAL NUMBER: 406
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - OFF BOTTOM OF
BUCKET IN 30 SECONDS. GAS TO SURFACE IN 13
MINUTES. FINAL FLOW PERIOD STRONG BLOW IN 1

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

MINUTE. SEE GAS SHEET.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
240.0	4.0	51.0	0.0	45.0	HVY GAS, SL OIL CUT MUD
550.0	67.0	16.0	17.0	0.0	HVY GAS CUT WATERY OIL
0.0	0.0	0.0	0.0	0.0	43 GRAVITY @ 60 DEGREES F
185.0	5.0	10.0	85.0	0.0	SL OIL & GAS CUT WATER
915.0	0.0	0.0	100.0	0.0	SALTWATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 102000 PPM

RATE INFORMATION

OIL VOLUME:	5.4331 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	18.0277 SCF	AVERAGE OIL RATE:	111.1673 STB/D
MUD VOLUME:	1.5148 STB	AVERAGE WATER RATE:	222.9979 STB/D
WATER VOLUME:	13.9374 STB		
TOTAL FLUID :	20.8853 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2435.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	252.00	599.00
INITIAL SHUT-IN	45.00		1645.00
FINAL FLOW	45.00	640.00	894.00
FINAL SHUT-IN	45.00		1651.00

FINAL HYDROSTATIC PRESSURE: 2407.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2463.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	268.00	599.00
INITIAL SHUT-IN	42.00		1647.00
FINAL FLOW	45.00	651.00	896.00
FINAL SHUT-IN	45.00		1660.00

FINAL HYDROSTATIC PRESSURE: 2443.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 7/31/94	TICKET : 20833
CUSTOMER : OIL PRODUCERS, INC OF KS	LEASE : CORDES
WELL : #1	TEST: 3
ELEVATION: 2386 KB	GEOLOGIST: MCLEOD
SECTION : 36	FORMATION: SWOPE
RANGE : 29W	TOWNSHIP : 33S
COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242	RANGE : 4100
	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
15 MIN	MERLA	0.750	15" WATER	55200 SCF/D
20 MIN	MERLA	0.750	10" WATER	44800 SCF/D
25 MIN	MERLA	0.750	6" WATER	34700 SCF/D
30 MIN	MERLA	0.750	2" WATER	20000 SCF/D
35 MIN	MERLA	0.250	6" WATER	4120 SCF/D
40 MIN	MERLA	0.250	8" WATER	4760 SCF/D
45 MIN	MERLA	0.250	7" WATER	4450 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	0.250	5" WATER	3710 SCF/D
10 MIN	MERLA	0.250	13" WATER	6100 SCF/D
15 MIN	MERLA	0.250	15" WATER	6550 SCF/D
20 MIN	MERLA	0.250	38" WATER	10400 SCF/D
25 MIN	MERLA	0.250	20" WATER	7510 SCF/D
30 MIN	MERLA	0.250	6" WATER	4120 SCF/D
35 MIN	MERLA	0.250	5" WATER	3710 SCF/D
40 MIN	MERLA	0.250	10" WATER	5320 SCF/D
45 MIN	MERLA	0.250	17" WATER	6930 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/31/94	TICKET	: 20833
CUSTOMER	: OIL PRODUCERS, INC OF KS	LEASE	: CORDES
WELL	: #1	TEST:	3
ELEVATION:	2386 KB	GEOLOGIST:	MCLEOD
SECTION	: 36	FORMATION:	SWOPE
RANGE	: 29W	TOWNSHIP	: 33S
GAUGE SN#:	10242	STATE	: KS
		CLOCK	: 12
		COUNTY:	MEADE
		RANGE	: 4100

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	268.00	268.00
5.00	257.00	-11.00
10.00	264.00	7.00
15.00	296.00	32.00
20.00	345.00	49.00
25.00	413.00	68.00
30.00	478.00	65.00
35.00	527.00	49.00
40.00	572.00	45.00
45.00	599.00	27.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1319.00	1319.00	16.00
6.00	1425.00	106.00	8.50
9.00	1491.00	66.00	6.00
12.00	1527.00	36.00	4.75
15.00	1546.00	19.00	4.00
18.00	1570.00	24.00	3.50
21.00	1583.00	13.00	3.14
24.00	1600.00	17.00	2.88
27.00	1610.00	10.00	2.67
30.00	1621.00	11.00	2.50
33.00	1630.00	9.00	2.36
36.00	1636.00	6.00	2.25
39.00	1642.00	6.00	2.15
42.00	1647.00	5.00	2.07

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	651.00	651.00
5.00	660.00	9.00
10.00	689.00	29.00
15.00	725.00	36.00
20.00	762.00	37.00
25.00	793.00	31.00
30.00	818.00	25.00
35.00	852.00	34.00
40.00	874.00	22.00
45.00	896.00	22.00

FINAL SHUT IN

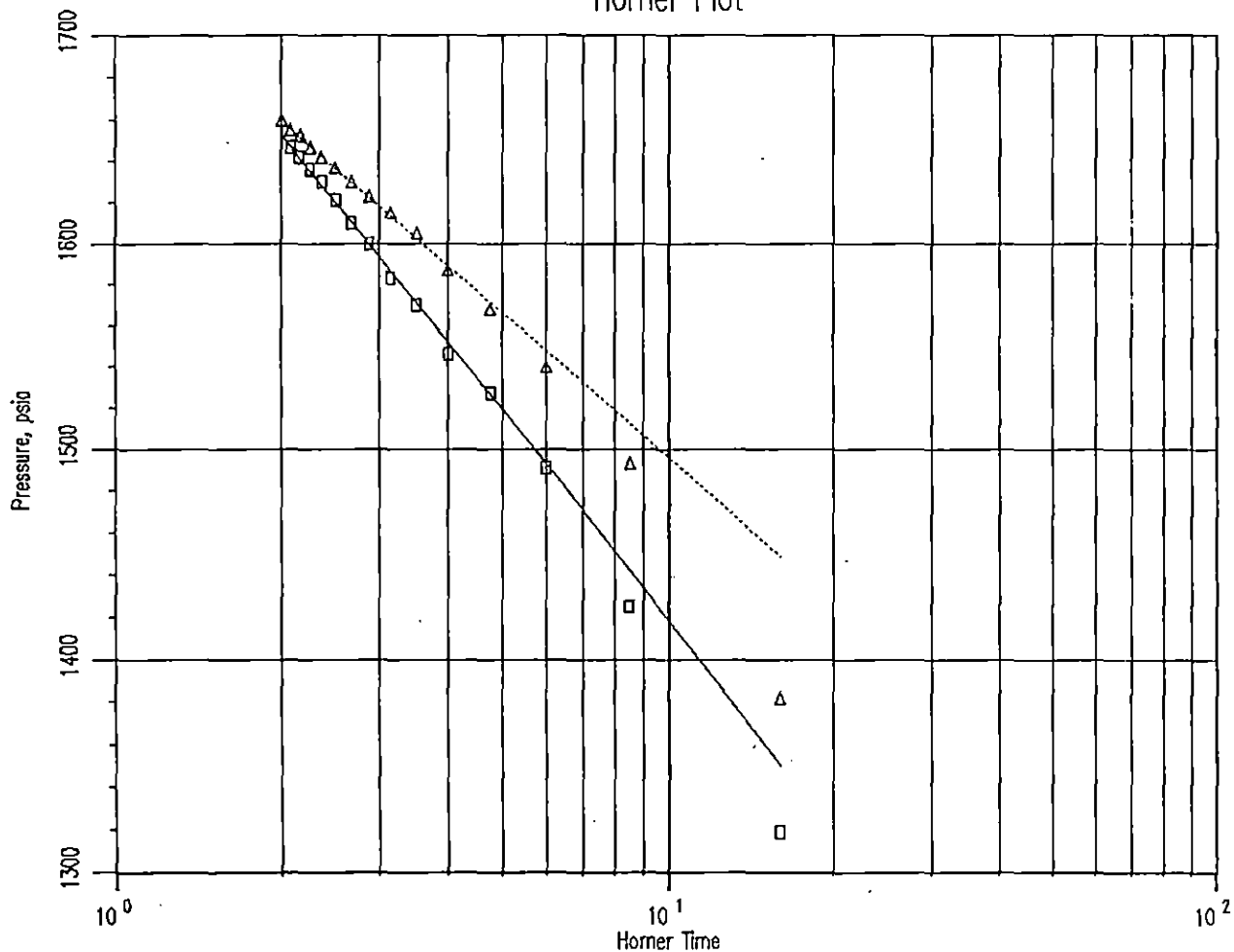
Time (min)	Pressure	Delta P	Horner T
3.00	1382.00	1382.00	16.00
6.00	1493.00	111.00	8.50
9.00	1540.00	47.00	6.00
12.00	1568.00	28.00	4.75
15.00	1587.00	19.00	4.00
18.00	1605.00	18.00	3.50
21.00	1615.00	10.00	3.14
24.00	1623.00	8.00	2.88
27.00	1630.00	7.00	2.67
30.00	1637.00	7.00	2.50
33.00	1642.00	5.00	2.36
36.00	1647.00	5.00	2.25
39.00	1653.00	6.00	2.15
42.00	1655.00	2.00	2.07
45.00	1660.00	5.00	2.00

DATE 7/31/94
 CUSTOMER OIL PRODUCERS, INC OF KS
 WELL #1
 ELEVATION 2386 KB
 SECTION 36
 RANGE 29W
 GAUGE SN# 10242

TEST 3
 COUNTY MEADE
 RANGE 4100

TICKET 20833
 LEASE CORDES
 GEOLOGIST MCLEOD
 FORMATION SWOPE
 TOWNSHIP 33S
 STATE KS
 CLOCK 12

Horner Plot



Result

	#1	#2
tp, hrs	0.75	0.75
Slope	-335.34	-233.57
Pstar, psig	1753.89	1729.76
P1hr, psig	1672.39	1672.99
Skin	-0.91	-0.94
k, md	9.37	13.46
kh/u, md-ft/cp	57.02	81.87
ri, ft	57.43	68.81
DR, %	0.73	0.74
Drawdown Factor, %		-0.789
Drawdown P*, %		1.376

— BUILD 1
 BUILD 2

HORNER ANALYSIS REPORT

GENERAL INFORMATION

DATE : 7/31/94	TICKET : 20833
CUSTOMER : OIL PRODUCERS, INC OF KS	LEASE : CORDES
WELL : #1	TEST: 3
ELEVATION: 2386 KB	GEOLOGIST: MCLEOD
SECTION : 36	FORMATION: SWOPE
RANGE : 29W	TOWNSHIP : 33S
COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242	RANGE : 4100
	CLOCK : 12

Input Data

Porosity 0.220 Rw: 0.328 ft h: 18.000 ft

qo 111.2 STB GOR 62.3 SCF/STB

Pvt Data

Evaluation Pressure : 1519.0

Evaluation Temperature: 126.0

Oil Grav 35.00 API	Gas Grav 1.20 API	Pb 204.22 PSIA
Bo 1.058 RBL/STB	Vis 1.000 cp	Ct 3.4545E-006 1/PSI

Horner Results

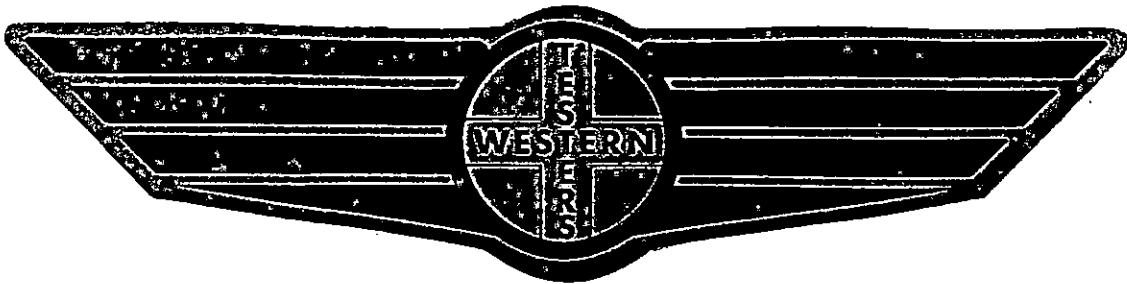
	Initial Shut-In	Final Shut-In
pseudo pressure time	0.75 hrs	0.75 hrs
slope	-335.34	-233.57
pstar	1753.89 psig	1729.76 psig
plhr	1672.39 psig	1672.99 psig
skin	-0.91	-0.94
permeability	9.37 md	13.46 md
transmissability	57.02 md-ft/cp	81.87 md-ft/cp
radius of investigation	57.43 ft	68.81 ft
Damage-Ratio	0.73 percent	0.74 percent
Drawdown Factor		-0.789 percent
Drawdown P*		1.376 percent

FORMATION

TEST

REPORT

ORIGINAL



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY OIL PRODUCTIONS, INC. OF THE LEASE & MERIT, INC. SEC. LWR. RGE. 1991 INC. DATE

API #15-119-20916

DST REPORT

GENERAL INFORMATION

DATE : 8/1/94	TICKET : 20834
CUSTOMER : OIL PRODUCERS, INC OF KS	LEASE : CORDES
WELL : #1 TEST: 4	GEOLOGIST: MCLEOD
ELEVATION: 2386 KB	FORMATION: NOVEMBER
SECTION : 36	TOWNSHIP : 33S
RANGE : 29W	STATE : KS
GAUGE SN#: 10242	CLOCK : 12
COUNTY: MEADE	
RANGE : 4100	

WELL INFORMATION

PERFORATION INTERVAL FROM: 5141.00 ft	TO: 5177.00 ft	TVD: 5177.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 5163.0 ft	5166.0 ft	
TEMPERATURE: 126.0		
DRILL COLLAR LENGTH: 265.0 ft	I.D.: 2.250 in	
WEIGHT PIPE LENGTH : 0.0 ft	I.D.: 0.000 in	
DRILL PIPE LENGTH : 4848.0 ft	I.D.: 3.800 in	
TEST TOOL LENGTH : 28.0 ft	TOOL SIZE : 5.500 in	
ANCHOR LENGTH : 36.0 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: 5136.0 ft	SIZE: 6.630 in	
PACKER DEPTH: 5141.0 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. : ABERCROMBIE RIG 5	VISCOSITY : 47.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 10.000 cc
WEIGHT : 9.200 ppg	
CHLORIDES : 4500 ppm	
JARS-MAKE : WTC	SERIAL NUMBER: 406
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - OFF BOTTOM OF BUCKET IN 30 SECONDS. GAS TO SURFACE IN 6 MINUTES
FINAL FLOW PERIOD STRONG BLOW IMMEDIATELY.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

SEE GAS SHEET.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
1200.0	65.0	35.0	0.0	0.0	CLEAN GASSY OIL
0.0	0.0	0.0	0.0	0.0	44 GRAVITY @ 60 DEGREES F
185.0	25.0	50.0	0.0	25.0	GASSY MUD CUT OIL
360.0	10.0	40.0	10.0	40.0	SL WATER CUT OILY MUD
10.0	0.0	20.0	40.0	40.0	GAS CUT MUDDY WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 77000 PPM

RATE INFORMATION

OIL VOLUME:	11.8619	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	46.5429	SCF	AVERAGE OIL RATE:	208.8962	STB/D
MUD VOLUME:	1.7591	STB	AVERAGE WATER RATE:	13.7177	STB/D
WATER VOLUME:	0.2923	STB			
TOTAL FLUID :	13.9134	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2563.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	200.00	252.00
INITIAL SHUT-IN	45.00		1512.00
FINAL FLOW	45.00	299.00	413.00
FINAL SHUT-IN	45.00		1435.00

FINAL HYDROSTATIC PRESSURE: 2514.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2585.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	220.00	262.00
INITIAL SHUT-IN	42.00		1519.00
FINAL FLOW	45.00	313.00	423.00
FINAL SHUT-IN	48.00		1440.00

FINAL HYDROSTATIC PRESSURE: 2537.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 8/1/94	TICKET : 20834
CUSTOMER : OIL PRODUCERS, INC OF KS	LEASE : CORDES
WELL : #1	TEST: 4
ELEVATION: 2386 KB	GEOLOGIST: MCLEOD
SECTION : 36	FORMATION: NOVEMBER
RANGE : 29W	COUNTY: MEADE
GAUGE SN#: 10242	RANGE : 4100
	STATE : KS
	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	1.000	19" WATER	113000 SCF/D
15 MIN	MERLA	1.000	18" WATER	110000 SCF/D
20 MIN	MERLA	1.000	11" WATER	85900 SCF/D
25 MIN	MERLA	0.750	34" WATER	82800 SCF/D
30 MIN	MERLA	0.750	32" WATER	80300 SCF/D
35 MIN	MERLA	0.750	20" WATER	63500 SCF/D
40 MIN	MERLA	0.750	20" WATER	63500 SCF/D
45 MIN	MERLA	0.750	15" WATER	55200 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN	MERLA	0.250	6" WATER	4120 SCF/D
10 MIN	MERLA	0.250	15" WATER	6550 SCF/D
15 MIN	MERLA	0.250	38" WATER	10400 SCF/D
20 MIN	MERLA	0.750	26" WATER	72400 SCF/D
25 MIN	MERLA	0.750	16" WATER	56800 SCF/D
30 MIN	MERLA	0.500	11" WATER	20900 SCF/D
35 MIN	MERLA	0.500	7" WATER	16700 SCF/D
40 MIN	MERLA	0.500	8" WATER	17200 SCF/D
45 MIN	MERLA	0.500	1.8" WATER	8430 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 8/1/94	TICKET	: 20834
CUSTOMER	: OIL PRODUCERS, INC OF KS	LEASE	: CORDES
WELL	: #1	TEST:	4
ELEVATION:	2386 KB	GEOLOGIST:	MCLEOD
SECTION	: 36	FORMATION:	NOVENGER
RANGE	: 29W	TOWNSHIP	: 33S
Gauge SN#:	10242	STATE	: KS
		CLOCK	: 12
		COUNTY:	MEADE
		RANGE	: 4100

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	220.00	220.00
5.00	213.00	-7.00
10.00	208.00	-5.00
15.00	196.00	-12.00
20.00	199.00	3.00
25.00	208.00	9.00
30.00	220.00	12.00
35.00	234.00	14.00
40.00	248.00	14.00
45.00	262.00	14.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	539.00	539.00	16.00
6.00	1001.00	462.00	8.50
9.00	1157.00	156.00	6.00
12.00	1237.00	80.00	4.75
15.00	1295.00	58.00	4.00
18.00	1335.00	40.00	3.50
21.00	1368.00	33.00	3.14
24.00	1395.00	27.00	2.88
27.00	1421.00	26.00	2.67
30.00	1444.00	23.00	2.50
33.00	1464.00	20.00	2.36
36.00	1483.00	19.00	2.25
39.00	1500.00	17.00	2.15
42.00	1519.00	19.00	2.07

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	313.00	313.00
5.00	308.00	-5.00
10.00	313.00	5.00
15.00	322.00	9.00
20.00	336.00	14.00
25.00	357.00	21.00
30.00	374.00	17.00
35.00	388.00	14.00
40.00	407.00	19.00
45.00	423.00	16.00

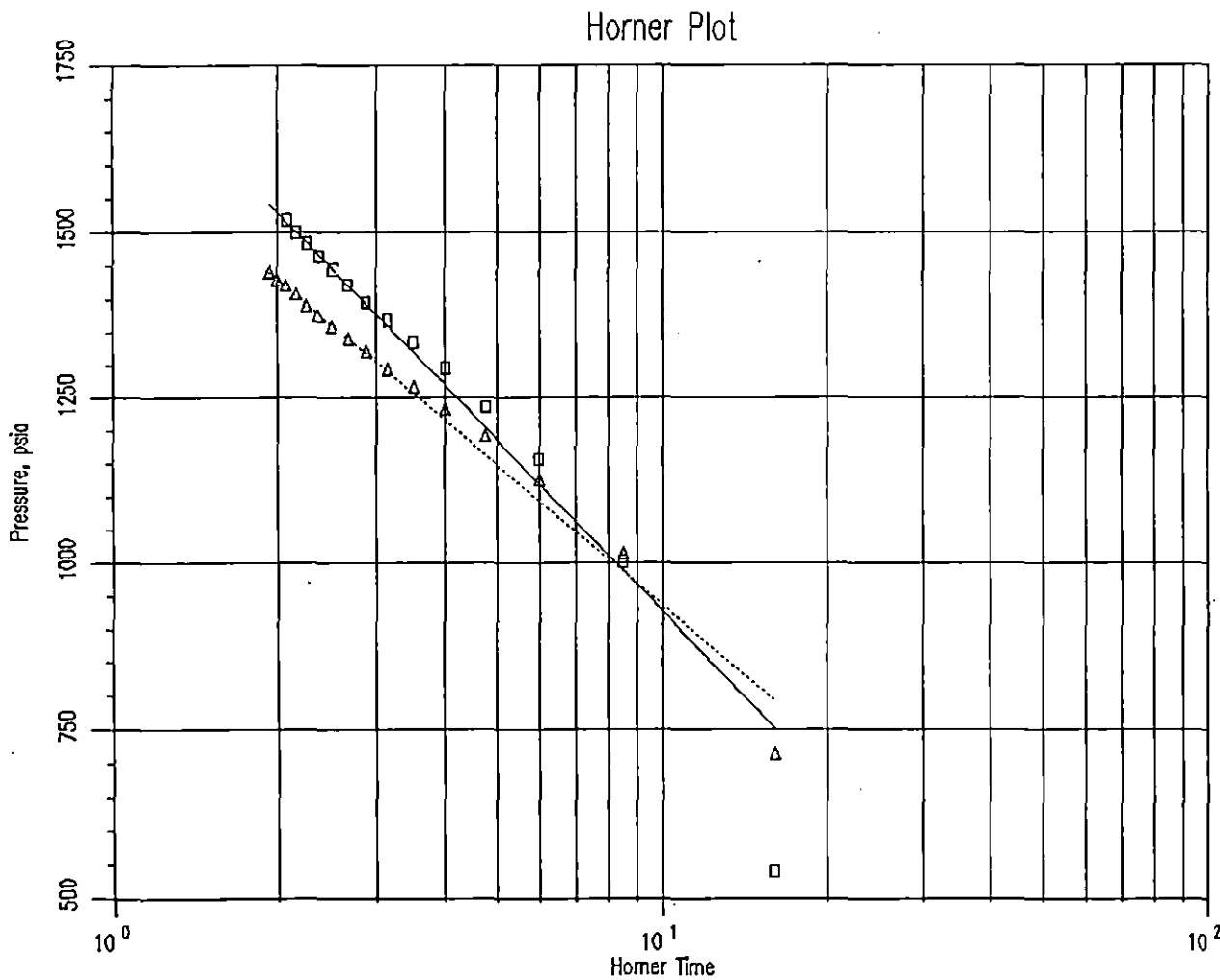
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	715.00	715.00	16.00
6.00	1015.00	300.00	8.50
9.00	1126.00	111.00	6.00
12.00	1193.00	67.00	4.75
15.00	1234.00	41.00	4.00
18.00	1268.00	34.00	3.50
21.00	1293.00	25.00	3.14
24.00	1321.00	28.00	2.88
27.00	1340.00	19.00	2.67
30.00	1359.00	19.00	2.50
33.00	1376.00	17.00	2.36
36.00	1391.00	15.00	2.25
39.00	1408.00	17.00	2.15
42.00	1421.00	13.00	2.07
45.00	1429.00	8.00	2.00
48.00	1440.00	11.00	1.94

DATE 8/1/94
 CUSTOMER OIL PRODUCERS, INC OF KS
 WELL #1
 ELEVATION 2386 KB
 SECTION 36
 RANGE 29W
 GAUGE SN# 10242

TEST 4
 COUNTY MEADE
 RANGE 4100

TICKET 20834
 LEASE CORDES
 GEOLOGIST MCLEOD
 FORMATION NOVEMBER
 TOWNSHIP 33S
 STATE KS
 CLOCK 12



	Result	
	#1	#2
tp, hrs	0.75	0.75
Slope	-859.90	-705.18
Pstar, psig	1787.35	1641.44
P1hr, psig	1578.36	1470.05
Skin	-3.11	-3.27
k, md	18.17	22.16
kh/u, md-ft/cp	41.39	50.47
ri, ft	76.27	84.22
DR, %	0.33	0.32
Drawdown Factor, %		5.201
Drawdown P*, %		8.163

— BUILD 1
 BUILD 2

HORNER ANALYSIS REPORT

GENERAL INFORMATION

DATE : 8/1/94	TICKET : 20834
CUSTOMER : OIL PRODUCERS, INC OF KS	LEASE : CORDES
WELL : #1 TEST: 4	GEOLOGIST: MCLEOD
ELEVATION: 2386 KB	FORMATION: NOVEMBER
SECTION : 36	TOWNSHIP : 33S
RANGE : 29W COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

Input Data

Porosity	0.140	Rw:	0.328 ft	h:	8.000 ft
qo	208.9 STB	GOR	40.4 SCF/STB		

Pvt Data

Evalutation Pressure :	1519.0
Evalutation Temperature:	126.0

Oil Grav	35.00 API	Gas Grav	1.20 API	Pb	134.63 PSIA
Bo	1.048 RBL/STB	Vis	1.000 cp	Ct	5.0262E-006 1/PSI

Horner Results

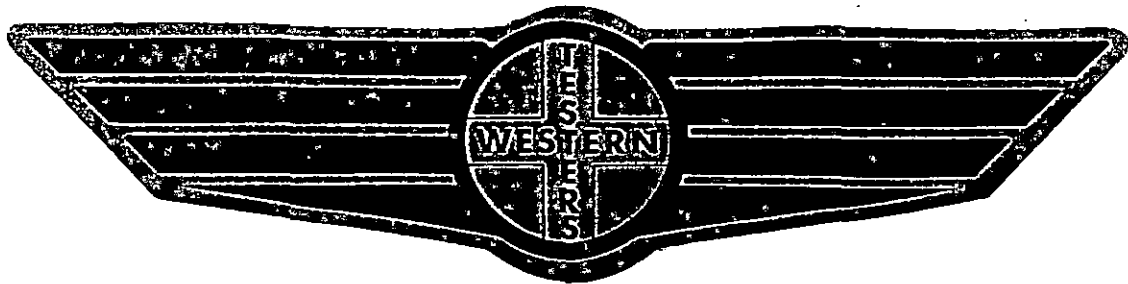
	Inital Shut-In	Final Shut-In
pseudo pressure time	0.75 hrs	0.75 hrs
slope	-859.90	-705.18
pstar	1787.35 psig	1641.44 psig
plhr	1578.36 psig	1470.05 psig
skin	-3.11	-3.27
permeability	18.17 md	22.16 md
transmisability	41.39 md-ft/cp	50.47 md-ft/cp
radius of investigation	76.27 ft	84.22 ft
Damage-Ratio	0.33 percent	0.32 percent
Drawdown Factor		5.201 percent
Drawdown P*		8.163 percent

FORMATION

TEST

ORIGINAL

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY OIL PRODUCERS INC OF KS PLEASE PRINT NAME AND ADDRESS

API# 15-119-20916

DST REPORT

GENERAL INFORMATION

DATE : 8/3/94	TICKET : 20835
CUSTOMER : OIL PRODUCERS, INC OF KS	LEASE : CORDES
WELL : #1	TEST: 5
ELEVATION: 2386 KB	GEOLOGIST: MCLEOD
SECTION : 36	FORMATION: MORROW
RANGE : 29W	TOWNSHIP : 33S
COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242	RANGE : 4100
	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5637.00 ft	TO: 5665.00 ft	TVD: 5665.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 5654.0 ft	5657.0 ft	
TEMPERATURE: 134.0		

DRILL COLLAR LENGTH: 265.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 5344.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 28.0 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: 5632.0 ft	SIZE:	6.630 in
PACKER DEPTH: 5637.0 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. : ABERCROMBIE RIG 5	VISCOSITY : 46.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 10.000 cc
WEIGHT : 9.100 ppg	
CHLORIDES : 4500 ppm	SERIAL NUMBER: 406
JARS-MAKE : WTC	REVERSED OUT?: NO
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK 1 INCH BLOW SLOWLY BUILT TO 8 INCHES IN BUCKET IN 45 MINUTES. FINAL FLOW PERIOD SURFACE BLOW SLOWLY BUILT TO 2 1/2 INCHES

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

IN BUCKET IN 45 MINUTES.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	190 FT GAS ABOVE FLUID
85.0	2.0	5.0	0.0	93.0	SL OIL & GAS CUT MUD
85.0	0.0	0.0	66.0	34.0	MUD CUT WATER
0.0	0.0	0.0	0.0	0.0	W/SCUM OF OIL
0.0	0.0	0.0	0.0	0.0	CHLORIDES 45000 PPM

RATE INFORMATION

OIL VOLUME:	0.0084 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.1173 SCF	AVERAGE OIL RATE:	6.3534 STB/D
MUD VOLUME:	0.5308 STB	AVERAGE WATER RATE:	6.6878 STB/D
WATER VOLUME:	0.2759 STB		
TOTAL FLUID :	0.8151 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2817.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	35.00	77.00
INITIAL SHUT-IN	45.00		1668.00
FINAL FLOW	45.00	93.00	112.00
FINAL SHUT-IN	60.00		1677.00

FINAL HYDROSTATIC PRESSURE: 2755.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2827.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	54.00	83.00
INITIAL SHUT-IN	45.00		1674.00
FINAL FLOW	45.00	104.00	119.00
FINAL SHUT-IN	60.00		1689.00

FINAL HYDROSTATIC PRESSURE: 2787.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8/3/94	TICKET : 20835
CUSTOMER : OIL PRODUCERS, INC OF KS	LEASE : CORDES
WELL : #1 TEST: 5	GEOLOGIST: MCLEOD
ELEVATION: 2386 KB	FORMATION: MORROW
SECTION : 36	TOWNSHIP : 33S
RANGE : 29W COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	54.00	54.00
5.00	54.00	0.00
10.00	54.00	0.00
15.00	57.00	3.00
20.00	63.00	6.00
25.00	69.00	6.00
30.00	74.00	5.00
35.00	77.00	3.00
40.00	79.00	2.00
45.00	83.00	4.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	104.00	104.00	16.00
6.00	174.00	70.00	8.50
9.00	318.00	144.00	6.00
12.00	616.00	298.00	4.75
15.00	888.00	272.00	4.00
18.00	1121.00	233.00	3.50
21.00	1272.00	151.00	3.14
24.00	1371.00	99.00	2.88
27.00	1448.00	77.00	2.67
30.00	1506.00	58.00	2.50
33.00	1555.00	49.00	2.36
36.00	1591.00	36.00	2.25
39.00	1629.00	38.00	2.15
42.00	1655.00	26.00	2.07
45.00	1674.00	19.00	2.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	104.00	104.00
5.00	104.00	0.00
10.00	104.00	0.00
15.00	105.00	1.00
20.00	106.00	1.00
25.00	109.00	3.00
30.00	113.00	4.00
35.00	115.00	2.00
40.00	117.00	2.00
45.00	119.00	2.00

FINAL SHUT IN

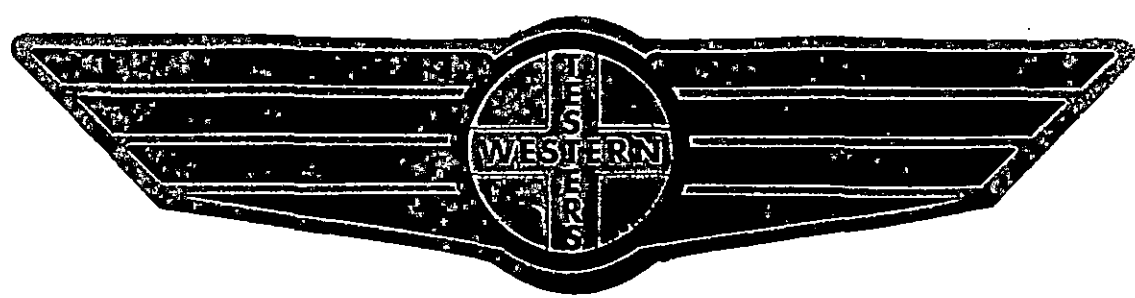
Time (min)	Pressure	Delta P	Horner T
3.00	160.00	160.00	16.00
6.00	237.00	77.00	8.50
9.00	406.00	169.00	6.00
12.00	671.00	265.00	4.75
15.00	911.00	240.00	4.00
18.00	1087.00	176.00	3.50
21.00	1214.00	127.00	3.14
24.00	1296.00	82.00	2.88
27.00	1366.00	70.00	2.67
30.00	1425.00	59.00	2.50
33.00	1476.00	51.00	2.36
36.00	1512.00	36.00	2.25
39.00	1544.00	32.00	2.15
42.00	1576.00	32.00	2.07
45.00	1600.00	24.00	2.00
48.00	1622.00	22.00	1.94
51.00	1642.00	20.00	1.88
54.00	1658.00	16.00	1.83
57.00	1676.00	18.00	1.79
60.00	1689.00	13.00	1.75

ORIGINAL

FORMATION TEST REPORT

COMPANY OIL PRODUCERS, INC OF KS LEASE & WELLS, INC. #1 CORDES
SINCE 1917 EMP. 333 RUL. 1000 FIRST NO. 2 DATE 07-01-11

RPI# 15-119-20916



Home Office: Wichita, Kansas 67201
P.O. Box 1599 Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 8/5/94	TICKET : 20836
CUSTOMER : OIL PRODUCERS, INC OF KS	LEASE : CORDES
WELL : #1	TEST: 6
ELEVATION: 2386 KB	GEOLOGIST: MCLEOD
SECTION : 36	FORMATION: CHESTER-ST GEN
RANGE : 29W	TOWNSHIP : 33S
COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242	RANGE : 4100
	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5957.00 ft	TO: 6075.00 ft	TVD: 6075.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 5969.0 ft	5972.0 ft	
TEMPERATURE: 140.0		

DRILL COLLAR LENGTH: 264.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 5665.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 118.0 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: 5952.0 ft	SIZE:	6.630 in
PACKER DEPTH: 5957.0 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. : ABERCROMBIE RIG 5	
MUD TYPE : CHEMICAL	VISCOSITY : 51.00 cp
WEIGHT : 9.300 ppg	WATER LOSS: 9.800 cc
CHLORIDES : 4500 ppm	
JARS-MAKE : WTC	SERIAL NUMBER: 406
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD 1 INCH BLOW DECREASED TO 3/4 INCHES IN BUCKET IN 30 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	30.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.1475 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.1475 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2994.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	51.00	56.00
INITIAL SHUT-IN	30.00		72.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 2947.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3043.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	57.00	58.00
INITIAL SHUT-IN	30.00		76.00
FINAL FLOW	0.00	0.00	0.00

FINAL HYDROSTATIC PRESSURE: 2978.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8/5/94	TICKET : 20836
CUSTOMER : OIL PRODUCERS, INC OF KS	LEASE : CORDES
WELL : #1 TEST: 6	GEOLOGIST: MCLEOD
ELEVATION: 2386 KB	FORMATION: CHESTER-ST GEN
SECTION : 36	TOWNSHIP : 33S
RANGE : 29W COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	57.00	57.00
5.00	57.00	0.00
10.00	57.00	0.00
15.00	57.00	0.00
20.00	57.00	0.00
25.00	57.00	0.00
30.00	58.00	1.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	62.00	62.00	0.00
6.00	64.00	2.00	0.00
9.00	67.00	3.00	0.00
12.00	69.00	2.00	0.00
15.00	71.00	2.00	0.00
18.00	72.00	1.00	0.00
21.00	73.00	1.00	0.00
24.00	74.00	1.00	0.00
27.00	75.00	1.00	0.00
30.00	76.00	1.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN

Time
(min)

Pressure

Delta P

Horner T

No Data Entered

TELEPHONE:
AREA CODE 913 483-XXXX

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

TO: Oil Producers of Kansas, Inc.
P. O. Box 8674
Wichita, KS 67208

INVOICE NO. 66858
PURCHASE ORDER NO. _____
LEASE NAME Cordes #1
DATE 7-23-94

SERVICE AND MATERIALS AS FOLLOWS:

Common 150 sks @\$6.85	\$1,027.50	
FloSeal 125# @\$1.10	137.50	
Gel 3 sks @\$9.00	27.00	
Chloride 20 sks @\$25.00	500.00	
ALW 500 @\$6.20	<u>3,100.00</u>	64,792.00

Handling 650 sks @\$1.00	650.00	
Mileage (62) @\$.04¢ per sk per mi	1,612.00	
Surface	50.00	
Mi @\$2.25 pmp trk chg	78.75	
1 plug	<u>83.00</u>	3,403.75

1 Roating Head-----	SNC	
1,751.15 1 AFU-----	258.00	
1 Basket-----	180.00	
2 Centralizers-----	<u>122.00</u>	560.00

Cement
Total 68,755.75

Thank you!

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

RECEIVED
STATE CORPORATION COMMISSION

OCT 18 1994

CONSERVATION DIVISION
WICHITA, KANSAS



HALLIBURTON ORIGINAL

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

INVOICE

INVOICE NO.	DATE
634916	08/05/1994

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
CORTES 1	MEADE	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	N/A	CEMENT PRODUCTION CASING	08/05/1994
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
646989	BRAD SIROKY		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	7467E

DIRECT CORRESPONDENCE TO:

OIL PRODUCERS INC. OF KANSAS
BOX 8647
WICHITA, KS 67208

OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UOM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	45 MI		2.75	123.75
		1 UNT			
001-016	CEMENTING CASING	5326 FT		1,895.00	1,895.00
		1 UNT			
018-317	SUPER FLUSH	5 SK		100.00	500.00
218-738	CLAYFIX II	2 GAL		24.00	48.00
26	INSERT VALVE F. S. - 4 1/2"	1 EA		285.00	285.00
847.6316					
27	FILL-UP UNIT 4 1/2"-5"	1 EA		45.00	45.00
815.19111					
40	CENTRALIZER 4-1/2 X 7-7/8	5 EA		43.00	215.00
806.60004					
320	CEMENT BASKET-4-1/2 X 7-7/8	2 EA		105.00	210.00
806.70020					
593	3-WIPER L-D PLUG - 4 1/2"	1 EA		159.00	159.00
801.0373					
594	4 1/2" LATCH DOWN BAFFLE	1 EA		100.00	100.00
801.03734					
504-043	CEMENT - PREMIUM	200 SK		9.82	1,964.00
504-120	CEMENT - HALL. LIGHT PREM PLUS	25 SK		9.28	232.00
508-127	CAL SEAL 60	20 SK		25.90	518.00
508-291	GILSONITE BULK	1000 LB		.40	400.00
509-968	SALT	1554 LB		.15	233.10
507-775	HALAD-322	113 LB		7.00	791.00
507-970	D-AIR-1, POWDER	50 LB		3.25	162.50
500-207	BUL. SERVICE CHARGE	394 CFT			531.90
500-306	MILEAGE MAT. DEL. OR. RETURN	551.0175 TMI			551.97

SO
0829
29166

CORTES

RECEIVED
STATE CORPORATION COMMISSION

OCT 18 1994

8,965.22

Drilling	
Completion	
New Equipment	
Used Equipment	
OPS	
Desc.	CEMENT CASING

CONSERVATION DIVISION
WICHITA, KANSAS

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 agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.