

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION -
WELL COMPLETION FORM
ACO-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: WICHITA INDUSTRIAL

Operator Contact Person: DIANA RICHECKY

Phone (316) 681-0231

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

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 PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

07/01/97 _____ 07/08/97 _____ 07/30/97 _____
Spud Date _____ Date Reached TD _____ Completion Date _____

API NO. 15- 077-21328-0000

County HARPER

W/2- NW - SW Sec. 31 Twp. 32 Rge. 9 E W

2140 Feet from N (circle one) Line of Section

5080 Feet from W (circle one) Line of Section

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

Lease Name HENDRICKS UNIT #31 Well # 1

Field Name Little Sandy Creek

Producing Formation Mississippi

Elevation: Ground 1381 KB 1392

Total Depth 4725' PBTB 4681'

Amount of Surface Pipe Set and Cemented at 300

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT I 8/1 3-25-98
(Data must be collected from the Reserve Pit)

Chloride content 2880 ppm Fluid volume 320 bbls

Dewatering method used: HAULED RES. OFFSITE, PIT ALLOWED TO DRY

Location of fluid disposal if hauled offsite: _____

Operator Name Oil Producers, Inc. of Ks

Lease Name Watson License No. 8061

SW Quarter Sec. 8 Twp. 29 S Rng. 15 E/W

County Pratt Docket No. D-24,324

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 John S. Weir

Title President Date 2/07/98

Subscribed and sworn to before me this 7th of February, 19 98

Notary Public Diana T. Richecky

Date Commission Expires Jan 12, 2000

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

Form ACO-1 (7-91)

RECEIVED
KANSAS CORPORATION COMMISSION

FEB 09 1998
2-9-98
CONSERVATION DIVISION
WICHITA, KS

Operator Name Oil Producers, Inc. of Kansas SIDE TWO Lease Name HENDRICKS UNIT #1 Well # 1
 Sec. 31 Twp. 32S Rge. 9 East West County HARPER

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)
 List All E.Logs Run: GEOLOGICAL LOG, COMPENSATED
 NEUTRON DENSITY LOG, SONIC LOG
 DUAL INDUCTION LOG, CORRELATION
 CEMENT BOND LOG

Name	Formation (Top), Depth and Datums	
	Top	Datum
TOPEKA	3004'	-1612'
HEEBNER	3316'	-1924'
STALNAKER KEV	3665'	-2273'
LANSING	3712'	-2320'
KANSAS CITY	3849'	-2457'
MISSISSIPPI	4293'	-2901'
VIOLA	4622'	-3230'
LTD	4725'	-3333'

ORIGINAL

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12 1/4	8 5/8"	20#	300	60/40 POZ	200	2% GEL 3% CC
PRODUCTION	7 7/8	4 1/2"	9.5 #	4724	EA-2	100	
					MID CON	130	

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	
1	4296'-4300'	1000 GALLONS 15% DSFE ACID SEE ATTACHED INITIAL COMPLETION REPORT	same 4296'-4300'
1	4306'-4336'	38,300 GALLONS #25 DELTA-FRAC + 56,000 lbs SAND	4306'-4336'
4	4622'-4627' CIBP @ 4450'	500 GALLONS 15% DSFE ACID + 5% DP-104	4622'-4627'
4	4631'-4637'	400 GALLONS 15% DSFE ACID	4631'-4637'
TUBING RECORD Size 2 3/8" Set At 4161.57' Packer At		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Date of First, Resumed Production, SWD or Inj.	Producing Method	X				Gravity
10/20/97	Flowing	Flowing	Pumping	Gas Lift	Other (Explain)	
Estimated Production	Oil Bbls.	Gas 450mcfpd	Mcf	Water 132 BWPD	Gas-Oil Ratio	

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

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

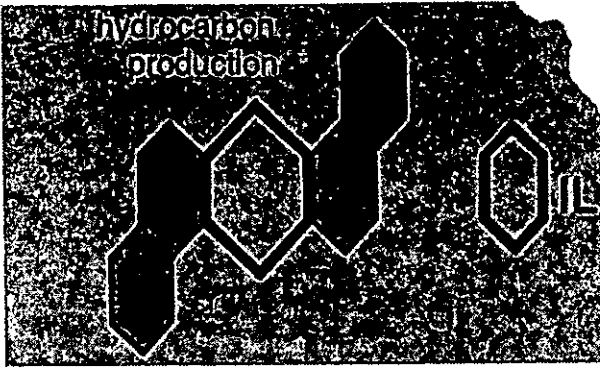
Production Interval: _____

 4306-4336
 4296-4300

RECEIVED
 KANSAS CORPORATION COMMISSION

FEB 09 1998

CONSERVATION DIVISION
 WICHITA, KS



OIL PRODUCERS, INC. OF KANSAS

February 7, 1998

Jim Hemmen
KCC
130 S. Market, Room 2078
Wichita, Ks. 67202

Certified #: P449 355 432

Dear Jim,

Enclosed please find the ACO-1 for the HENDRICKS UNIT #31. Included are the cement tickets from Halliburton for surface casing # 219333 and production #219336. Logs are Compensated Density Neutron Log, Dual Induction Log and Sonic Log and Correlation Cement Bond Log and Geological Log.

Sincerely,

Diana Richecky

RECEIVED
KANSAS CORPORATION COMMISSION

dr

FEB 09 1998

CONSERVATION DIVISION
WICHITA, KS

Please sign attached letter copy as receipt of this information and return in the envelope provided.

Jim Hemmen, KCC

CUSTOMER COPY



REMIT TO:
P.O. BOX 951048
DALLAS, TX 75395-1048
Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO. 219333
DATE 07/02/1997

WELL/LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
HENDRICKS UNIT 31	HARPER	KS	SAHE
SERVICE LOCATION	CONTRACTOR	JOB/PURPOSE	DATE
PRATT	DUKE DRILLING	SHOWN BELOW	07/02/1997
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
646989	JOE LEVINGSTON		
			SHIPPED VIA
			COMPANY TRUCK
			TRK NO.
			26690

ORIGINAL

DIRECT CORRESPONDENCE TO:

OIL PRODUCERS INC OF KANSAS
C/O MR. BRAD SIROKY
10264 COUNTRY CLUB ROAD
PRATT, KS 67124-8195

1102 E. 8TH
HAYS KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT	KANSAS CONSERVATION COMMISSION				
JOB PURPOSE - CEMENT SURFACE CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	FEB 09 1998	90 MI	3.20	288.00
000-119	MILEAGE FOR CREW		1 UNT		
			90 MI	1.95	N/C
			1 UNT		
001-016	CEMENTING CASING		300 FT	696.00	696.00
			1 UNT		
030-503	TOP PLUG		8 5/8 IN	95.00	95.00
			1 EA		
504-136	CEMENT - 40/60 POZNIX STANDARD		200 SK	8.14	1,628.00
509-406	ANHYDROUS CALCIUM CHLORIDE		5 SK	46.90	234.50
500-207	BULK SERVICE CHARGE		210 CFT	1.55	325.50
500-306	MILEAGE CHRG HAY DEL OR RETURN		381.29 THI	1.18	449.92
JOB PURPOSE SUBTOTAL					3,716.92
INVOICE SUBTOTAL					3,716.92
DISCOUNT - (BID)					1,375.25
INVOICE BID AMOUNT					2,341.67
* - KANSAS STATE SALES TAX					84.37
* - PRATT COUNTY SALES TAX					17.22
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					2,443.26

*Hendricks
OPS -
Cement Surface*



HALLIBURTON ENERGY SERVICES
HAL-1908-P

CHARGE TO:
OIL PRODUCERS OF KS INC.
ADDRESS:
CITY, STATE, ZIP CODE:

CUSTOMER COPY

TICKET

No.

219331 - 2

PAGE 1 OF 2

SERVICE LOCATION HRM, KS. 25555	WELL/PROJECT NO. # 31	LEASE HENDRICKS UNIT	COUNTY/PARISH HARPER	STATE KS.	CITY/OFFSHORE LOCATION	DATE 7-2-97	OWNER SHINE
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR DLIKE DRUG	RIG NAME/NO. # 5	SHIPPED VIA C.T.	DELIVERED TO WELL SITE	ORDER NO.	
WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 010 CNT. SURF. CSG	WELL PERMIT NO.	WELL LOCATION LAND 31-32S 9W			
REFERRAL LOCATION	INVOICE INSTRUCTIONS API # 1507721328000						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
000-117			MILEAGE UNIT R.T.	90	miles			3.20	288.00
000-119			CREW MILEAGE	90	miles			1.95	NC
001-016			PUMP CHARGE	6	Hrs 300 Ft.			696.00	696.00
030-503			TOP PLUG WOOD	1	EA 8 3/4 in			95.00	95.00

ORIGINAL

RECEIVED
KANSAS CORPORATION COMMISSION

FEB 09 1998

CONSERVATION DIVISION
WICHITA, KS

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: **7-2-97** TIME SIGNED: **0645**

A.M. P.M.

do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

SURVEY AGREE UN-DECIDED DIS-AGREE

TYPE LOCK DEPTH

BEAN SIZE SPACERS

TYPE OF EQUALIZING SUB. CASING PRESSURE

TUBING SIZE TUBING PRESSURE WELL DEPTH

TREE CONNECTION TYPE VALVE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	1079.00
SUB-TOTAL	2637.92
APPLICABLE TAXES WILL BE ADDED ON INVOICE	3716.92

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): **[Signature]** CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **[Signature]** HALLIBURTON OPERATOR/ENGINEER: **KEVIN P. GARDNER #8500** HALLIBURTON APPROVAL: **[Signature]**



HALLIBURTON

ORIGINAL

Halliburton Energy Services

DATE: 07-01-1997

TIME: 19:47:19

SERVICE TICKET: 219331

PRATT-25555

BULK TICKET ONLY: 100019

JOB PURPOSE: SURFACE

COMPANY TRUCK: : 5621

DRIVER: B. JOHNSON

CUSTOMER: OIL PRODUCERS OF KS.

LEASE & WELL#: HENDRICKS #31

504-136	40/60 POZMIX CEMENT	200	SKS.	7.69 8.14	1628.00
509-406	CALCIUM CHLORIDE	5	SKS.	46.90	234.50
500-207	SERVICE CHARGES	210	CU FT	1.55	325.50
					TOTAL 2188.00
500-306	WEIGHT: 16946	MILES: 45	TON MILES: 381.29	1.18	449.92
					TOTAL BOOK PRICE OF BULK TICKET: \$ 2637.92
500-225	RETURN SERVICE CHARGES		CU FT	1.55	
500-306	WEIGHT: _____	RETURN MILES: 45	TON MILES: _____	1.18	

RECEIVED
KANSAS CORPORATION COMMISSION

FEB 09 1998

CONSERVATION DIVISION
WICHITA, KS



HALLIBURTON ENERGY SERVICES
HAL-1906-P

28

CHARGE TO:
OIL PRODUCERS OF KS. INC.

ADDRESS:

CITY, STATE, ZIP CODE:

CUSTOMER COPY

TICKET

No.

219336 - 7

PAGE 1 OF 1

1. SERVICE LOCATION Pratt, KS 25555	WELL/PROJECT NO. 1-31	LEASE HENDRICKS	COUNTY/PARISH HARPER	STATE KS.	CITY/OFFSHORE LOCATION	DATE 7-9-97	OWNER SMITH
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR DUKE DRUG	RIG NAME/NO. HS	SHIPPED P.O.T.	DELIVERED TO WELL SITE	ORDER NO.	
3. WELL TYPE 02	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO.	WELL LOCATION HWID 31-325-9W			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING LOC. ACCT. DF.	DESCRIPTION	QTY.	U/M	UNIT PRICE	AMOUNT
000-117		1	MILEAGE 1 UNIT R.T.	90 miles		3.20	288.00
000-119			CREW MILEAGE	90 miles		1.95	175.50
001-016			PUMP WITH GEL	6 HRS.	4725 FT.	2038.60	2038.60
018-303			CONFIX II	2 gal.		30.50	61.00
018-317			SUPERFLUSH	12 SMS		112.00	1344.00
26	847.6316		INSERT FLOAT VALVE	1 EA	4 1/2 in	314.00	314.00
27	815.1913		FILL-UP UNIT	1 EA	"	52.00	52.00
40	806.60004		CENTRALIZER	10 EA	"	53.00	530.00
320	806.71415		CEMENT BASKET	2 EA	"	108.00	216.00
598	809.82523		LATCH DOWN PLUG	1 EA	"	175.00	175.00
594	801.03734		LATCH DOWN BAFFLE	1 EA	"	110.00	110.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

x Charles Kroutz

DATE SIGNED: **7-9-97** TIME SIGNED: **12:00**

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK DEPTH

BEAN SIZE SPACERS

TYPE OF EQUALIZING SUB. CASING PRESSURE

TUBING SIZE TUBING PRESSURE WELL DEPTH

TREE CONNECTION TYPE VALVE

SURVEY AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: **19**

FROM CONTINUATION (PAGE(S))

SUB-TOTAL: **7429.71**

APPLICABLE TAXES WILL BE ADDED ON INVOICE

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): *Charles Kroutz*

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): *x Charles Kroutz*

HALLIBURTON OPERATOR/ENGINEER: *[Signature]* EMP # *[Number]*

HALLIBURTON APPROVAL: *[Signature]*



ORIGINAL

Halliburton Energy Services

DATE:07-09-1997

TIME:07:58:52

SERVICE TICKET: 219336

PRATT-25555

BULK TICKET ONLY: 100031

JOB PURPOSE:LONG STRING

COMPANY TRUCK::52530 DRIVER: B.JOHNSON

CUSTOMER: OIL PRODUCERS OF KS. INC.LEASE & WELL#:#31 HENDRICKS #1

504-280	MIDCON CEMENT STANDARD	130	SKS.	13.53	1758.90
504-308	STANDARD CEMENT	100	SKS.	10.83	1083.00
507-918	GASSTOP	47	LBS.	33.55	1576.85
507-775	HALAD-322	94	LBS.	7.70	723.80
509-968	W/W SALT	950	LBS.	0.17	161.50
507-970	D-AIR	25	LBS.	3.65	91.25
507-210	FLOCELE	33	LBS.	1.90	62.70
508-291	GILSONITE	1150	LBS.	0.50	575.00
508-127	EA-2	5	SKS.	28.00	140.00
509-406	CALCIUM CHLORIDE	3	SKS.	46.90	140.70

500-207	SERVICE CHARGES RECEIVED	290	CU FT	1.55	449.50
	KANSAS CORPORATION COMMISSION				TOTAL 6763.20

500-306	WEIGHT: 25104	MILES: 45	TON MILES: 564.84	1.18	666.51
	TOTAL BOOK PRICE OF BULK TICKET:				\$ 7429.71

CONSERVATION DIVISION
WICHITA, KS

500-225 RETURN SERVICE CHARGES _____ CU FT 1.55

500-306 WEIGHT: _____ RETURN MILES: 45 TON MILES: _____ 1.18

REGION North America	NVA/COUNTRY INDONESIA	BDA / STATE K.S.	COUNTY HARPER
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT CONCRETE	
LOCATION ...	COMPANY ...	CUSTOMER REP / PHONE B. S. ...	
TICKET AMOUNT	WELL TYPE C2	API / UWI #	
WELL LOCATION ...	DEPARTMENT CONCRETE	JOB PURPOSE CODE 035	
LEASE / WELL # ...	SEC / TWP / RNG 31-32S-9W		

HES EMP NAME/EMP#/(EXPOSURE HOURS) : HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) : HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) : HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) : HRS
A. ...	B. ...	C. ...	
6660	

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS	PRESS. (psi)		JOB DESCRIPTION / REMARKS
					T-C	Csg	
	0900						ARRIVED ON LOCATION
	1100						Start 4.5 Casing w/ Mortar Cement
	12.15						Pipe on Bator
	14.30						Rig up to Circulate
	14.45						Thru Circulation
	15.30						Hook up to Cement
1	15.35	7	20 RB			400	Pump 20 BBL Clay Fix Water
2	15.40	7	3 RB			400	3 BBL Spacer
3	15.41		12 RB				12 BBL Super Flush
							Plug Bottom
							Plug Nipple
4	15.45	7				400	Start Mixing Cement 130 Sk. Mid Cont II
	15.50	7	47 RB			300	Mix 100 Sk. EA-2
5	15.55	0	27 RB			0	Thru Mixing Close Bottom Valve, Washout Pump Lines, Release Plug
	16.00						Open Top Valve
6	16.00	7				100	Short Displacement
7	16.10	7				550	Lifting Cement
8	16.15	0	75 RB			1100	Plug Down
	16.16					0	Release Plug 250 PSI Plug Held.

Job Complete
Washup & Pack off

Thank you,
Kurt, Kevin, Brad

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KANSAS CORPORATION COMMISSION

FEB 09 1998

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

OIL PRODUCERS INC., OF KS.
INITIAL COMPLETION REPORT

WELL - HENDRICKS UNIT #1-31

LEGAL - W/2 - NW/SW OF 31-32s-9w IN HARPER CO. KS.

API# - 15-077-21,328

G.L. - 1381'

K.B. - 11' ABOVE G.L. @ 1392'

SURFACE CSN - 8 5/8" @ 300' WITH 200 SX.

RTD - 4725'

LTD - 4725'

PROD CSN - 4 1/2", 10.5# @ 4724' WITH 130 SX MID CON & 100 SX EA-2.

PBTD - 4681' (ELI 7/14/97)

TOP OF CEMENT - 3750' (WITH POOR & SCATTERED CEMENT THROUGHOUT)

PERFORATIONS -
VIOLA----4631'-4637' 4/FT. 7/14/97
VIOLA----4622'-4627' 4/FT. 7/14/97
MISS-----4306'-4336' 1/FT. 7/15/97
MISS-----4296'-4300' 1/FT. 7/15/97

TUBING RAN - 15' MA, SN, 132 JTS. 2 3/8" (4161.57)

TUBING SET @ - 4185.67'

AVERAGE TBG JT. - 31.52'

PUMP RAN - NONE

RODS RAN - NONE

PUMP SET @ - N/A

SURFACE EQUIPMENT - 24" X 8' VERTICAL SEPARATOR 500# W/MANUAL DUMP.
10' X 12' 200 BBL FIBERGLASS WATER TANK.

7/14/97

KIOWA WELL SERVICE ON LOCATION, RIGGED UP D-D DERRICK.
ELI WIRELINE ON LOCATION TO RUN CORRELATION & SONIC CEMENT BOND LOG.

FOUND TOTAL DEPTH - 4681' (THIS IS 20' HIGH TO TOP INSERT 4701)

FOUND TOP CEMENT - APPROX 3750' WITH POOR AND SCATTERED CEMENT THROUGHOUT.

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KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

7/14/97 CONT.

NOTE: - IT APPEARS THAT WE HAVE POOR CEMENT IN VIOLA, SUFFICIENT CEMENT IN MISS AND NO CEMENT IN STALNECKER SAND. WILL PROCEED WITH COMPLETION ATTEMPT IN VIOLA IN HOPES WE WILL NOT HAVE TO SQUEEZE FOR BOND.

ELI RIGGED TO PERFORATE PROPOSED INTERVALS IN VIOLA.
PERFORATED VIOLA - 4631'-4637' WITH 4 SHOTS/FT. USING EXPENDABLE CSN GUN
PERFORATED VIOLA - 4622'-4627' WITH 4 SHOTS/FT. USING EXPENDABLE CSN GUN
SWAB WELL DOWN TO TTL DEPTH.
MADE 1-30 MIN NATURAL TEST - RECOVERED SHOW GAS & NO FLUID.

HALLIBURTON ON LOCATION TO ACIDIZE VIOLA WITH 400 GALS 15% DSFE ACID

ACIDIZE VIOLA AS FOLLOWS:

PUMP 400 GALS 15% DSFE ACID.
LOAD HOLE WITH FIELD BRINE.
DISPLACED ACID @ 1-2 BPM ON VAC.
ISIP - VAC. TOTAL LOAD - 82 BBLs.

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KANSAS CORPORATION COMMISSION

FEB 09 1998

KWS RIGGED TO SWAB BACK ACID LOAD & TEST VIOLA AFTER ACID.

TEST VIOLA AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 600' FROM SURFACE.
SWAB WELL DOWN. RECOVERED 63 BBLs. GOOD SHOW OIL & GAS.
1/2 HR. TEST - RECOVERED 75' FLUID, 1.19 BBLs, 36% OIL, GOOD GAS SHOW.
1/2 HR. TEST - RECOVERED 50' FLUID, .80 BBLs, 47% OIL, GOOD GAS SHOW.
SHUT DOWN FOR THE NIGHT.

CONSERVATION DIVISION
WICHITA, KS

7/15/97

SICP - STRONG BLOW. FLUID LEVEL - HAD 300' FLUID IN HOLE, 84% OIL.
SWAB WELL DOWN.
1 HR. TEST - RECOVERED 75' FLUID, 1.19 BBLs, 36% OIL, GOOD GAS SHOW.

HALLIBURTON ON LOCATION TO RE-ACIDIZE VIOLA PERFS WITH 500 GALS 15% DSFE ACID WITH 5% CHAMPION DP-104 ADDITIVE.

RE-ACIDIZE VIOLA PERES AS FOLLOWS:

PUMP 500 GALS 15% DSFE ACID WITH 5% DP-104
LOAD HOLE WITH 62 BBLs FIELD BRINE @ 7 BPM.
DISPLACED ACID @ 1.2 BPM - 350 psi TO 200 psi.
ISIP - 100 psi, VAC - 2 MINUTES.
TTL LOAD - 83 BBLs.

KWS RIGGED TO SWAB BACK ACID LOAD & TEST VIOLA AFTER RE-ACID.

TEST VIOLA AFTER RE-ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 50' FROM SURFACE.
SWAB WELL DOWN. RECOVERED 78 BBLs, VERY GOOD SHOW OIL & GAS.
15 MIN TEST - RECOVERED 50' FLUID, .80 BBLs, 100% OIL. GOOD SHOW GAS.
1/2 HR. TEST - RECOVERED 2.03 BBLs, 100% OIL, GOOD SHOW GAS.
1/2 HR. TEST - RECOVERED 1.50 BBLs, 100% OIL, GOOD SHOW GAS.
1/2 HR. TEST - RECOVERED 1.50 BBLs, 100% OIL, GOOD SHOW GAS.

FEB 09 1998

ORIGINAL

CONSERVATION DIVISION
WICHITA, KS

7/15/97 CONT.

NOTE: VIOLA SHOULD MAKE A COMMERCIAL OIL WELL. POTENTIAL PRODUCTION LEVEL SHOULD BE @ 20-40 BOPD. IT SHOULD BE NOTED THAT VIOLA COULD BE ENHANCED IN THE FUTURE WITH A LARGER ACID STIMULATION JOB. BUT IN LIGHT OF MARGINAL APPEARANCE OF THE CEMENT BOND BY MSG ON BOND LOG, IT IS DECIDED NOT TO RISK THE COMMUNICATION TO WATER @ THIS POINT. WILL PROCEED WITH MISS COMPLETION.

ELI WIRELINE ON LOCATION TO SET CIBP OVER VIOLA AND PERFORATE MISS.
SET CIBP - 4450'.

PERFORATED MISS - 4306'-4336' WITH 1 SHOT/FT. USING EXPENDABLE CSN GUN.
PERFORATED MISS - 4296'-4300' WITH 1 SHOT/FT. USING EXPENDABLE CSN GUN.

NOTE: - HAD GAS TO SURFACE IMMEDIATELY, AND BEFORE LAST GUN COULD BE SHOT, WELL KICKED OFF FLOWING. HALLIBURTON PUMPED 10 BBLs TO KEEP WELL QUIET, AND WELL KICKED OFF AGAIN. PUMPED 60 BBLs BEFORE SHOOTING LAST GUN & WELL KICKED OFF FLOWING AGAIN WHILE COMING OUT OF HOLE WITH LAST GUN.
SHUT WELL IN FOR THE NIGHT.

7/16/97

SICP - 260 psi, FLUID LEVEL - 2600' DOWN 100% WATER.

SBHP - NATURAL CALCULATES 1110 psi.

SWAB WELL DOWN, RECOVERED 35 BBLs.

1/2 HR. NATURAL TEST - TEST GAS @ 350 MCFPD & CLIMBING. COULD NOT MAKE SWAB RUN DUE TO HIGH GAS VOLUMES.

HALLIBURTON ON LOCATION TO ACIDIZE MISS PERFS WITH 1000 GALS 15% DSFE WITH 5% CHAMPION DP-104 ADDITIVE, AND 50 BALL SEALERS.

ACIDIZE MISS PERFS AS FOLLOWS:

PUMP 250 GALS 15% DSFE ACID.

PUMP 750 GALS 15% DSFE ACID WITH 50 BALL SEALERS SPACED EQUALLY.

LOAD HOLE WITH FIELD BRINE. LOADED 6 BBLs EARLY.

DISPLACED 250 GALS ACID @ 7 BPM - 800 psi TO 150 psi.

DISPLACED 750 GALS ACID WITH BALLS @ 7 BPM - 150 psi TO 300 psi.

NOTE: HAD FAIR BALL ACTION.

ISIP - VAC. TIL LOAD - 94 BBLs.

KWS RIGGED TO SWAB BACK ACID LOAD & TEST MISS PERFS AFTER ACID.

TEST MISS AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 1200' FROM SURFACE.

SWAB WELL DOWN. RECOVERED 94 BBLs. TRACE OIL, VERY STRONG GAS BLOW.

1/2 HR. TEST - RECOVERED 5 BBLs WATER, TEST GAS @ 700 MCFPD.

1 HR SICP - 560 psi.

HALLIBURTON ON LOCATION TO FRAC MISS PERFS WITH 38,300 GALS 25# DELTA-FRAC. WITH 56,000# SAND.

FEB 09 1998

5/16 CONT.

CONSERVATION DIVISION
WICHITA, KS

FRAC MISS PERES AS FOLLOWS:

PUMP 4000 GALS 25# DELTA-FRAC GEL PAD @ 21 BPM - 700 psi
PUMP 4000# 100 MESH SAND @ 1 PPG PAD @ 21 BPM - 660 psi.
PUMP 4000 GALS 25# DELTA-FRAC GGEL PAD @ 21 BPM - 570 psi.
PUMP 4000# 20/40 SAND @ 1 PPG (4000 GALS) @ 21 BPM - 890 psi.
PUMP 8000# 20/40 SAND @ 2 PPG (4000 GALS) @ 21 BPM - 680 psi.
PUMP 12,000# 20/40 SAND @ 3 PPG (4000 GALS) @ 21 BPM - 668 psi.
PUMP 8000# 12/20 SAND @ 2 PPG (4000 GALS) @ 21 BPM - 779 psi.
PUMP 12,000# 12/20 SAND @ 3 PPG (4000 GALS) @ 22 BPM - 900 psi.
PUMP 8000# 12/20 SAND @ 4 PPG (2000 GALS) @ 24 BPM - 987 psi.
PUMP 3150 GALS FLUSH @ 26 BPM - 1250 psi.
ISIP - 977 psi, 5 MIN SIP - 736 psi, 10 MIN SIP - 411 psi, 15 MIN SIP - 245 psi.
TTL LOAD - 37,150 GALS (885 BBLs)
TTL SAND - 56,000# (4000# 100 MESH, 24,000# 20/40, AND 28,000# 12/20)
SHUT WELL IN FOR THE NIGHT.

ORIGINAL

7/17/97

SICP - VAC, FLUID LEVEL - 1800' FROM SURFACE.
SBHP - CALCULATES 1192 psi.
KWS RIGGED TO SWAB BACK FRAC LOAD VIA 4 1/2" CSN SWAB.
SWAB & FLOW TEST MISS AFTER FRAC AS FOLLOWS:

SWAB BACK 110 BBLs & WELL KICKED OFF FLOWING.
FLOW WELL TO PIT ALL DAY AS VOLUMES WERE TOO HIGH TO FLOW TO TANK.
RECOVERED APPROX 500 BBLs OF FRAC LOAD FOR THE DAY.
GAS VOLUMES MEASURING APPROX 5,000 MCFFD.
SHUT DOWN FOR THE NIGHT.

7/18/97

SICP - 1000 psi, SBHP - 1143 psi (ASSUMING NO FLUID)
OPEN WELL UP & BLEW WELL DOWN TO 100 psi. STARTED FLOWING.
FLOW WELL TO PIT ALL DAY.
RECOVERING SOME SAND.
RECOVERED APPROX 500 BBLs FOR DAY MINIMUM.
GAS VOLUMES APPROX 5000 MCFFD.
SHUT DOWN FOR THE WEEKEND.

7/21 AND 22/97

TOO MUDDY TO WORK.

7/23/97

SICP - 1000 psi, SBHP - 1143 psi, (ASSUMING NO FLUID)
OPENED WELL UP TO PIT & FLOWED FOR 4 HRS. VOLUMES NOT AVAILABLE.

STREMMELL ON LOCATION WITH 500#, 24" X 8' VERTICAL SEPARATOR WITH
MANUAL DUMP & HOOKED UP TEMPORARILY FOR TESTING.

ORIGINAL

FEB 09 1998

7/23/97 CONT.

CONSERVATION DIVISION
WICHITA, KS

TEST WELL THRU SEPARATOR AS FOLLOWS:

PERIOD	CHOKE	WATER PROD	MCFPD	FCP
1 HR. TEST	15/64	1/4 BBL	600 MCF	340 psi
1 HR. TEST	15/64	1/2 BBL	600 MCF	390 psi
1 HR. TEST	13/64	3 BBLs	520 MCF	360 psi
1/2 HR. TEST	64/64	47 BBLs	3000 MCF	400 psi
1 HR. TEST	10/64	0 BBLs	420 MCF	360 psi.

KIOWA WELL SERVICE RIGGED DOWN & MOVED OFF LOCATION.

NOTE: - DECISION MADE TO PRODUCE WELL THROUGH 4 1/2" ORBIT VALVE UNTIL WELL DIES DOWN ENOUGH TO RUN TUBING, RATHER THAN RUN THE RISK OF KILLING WELL TO RUN TBG @ THIS POINT.

7/29/97

SPIVEY OILFIELD SERVICE ON LOCATION, BUILT TANK GRADE @ NW CORNER OF LEASE ROAD. SET CATTLE GUARD & RE-BUILT FENCE.

STREMMELS ON LOCATION WITH 10' X 12' FIBERGLASS WATER TANK FROM WOOD-A LEASE & SET.

SET 24" X 8' VERTICAL SEPARATOR ON PAD & TIED DUMP INTO WATER TANK.

7/30/97

SPIVEY OILFIELD SERVICE ON LOCATION, DITCHED LEAD LINE FROM WELL TO SEPARATOR. LAYED 2 3/8" TBG (APPROX 450') FOR LEAD LINE. HOOKED UP WELL HEAD AND SEPARATOR.

WAITING ON TEXACO TO SET METER AND RUN. SHOULD HAVE WELL IN PRODUCTION WITHIN 2 WEEKS.

SEPTEMBER 1997

TEXACO INSTALLED METER RUN & METER.

SICP = 750 psi.

ATTEMPTED TO PUT WELL IN SERVICE. WELL BLEW DOWN & DIED.

9/18/97

COMANCHE WELL SERVICE ON LOCATION, RIG UP D-D POLE UNIT.

SICP = BLOW.

GREAT PLAINS FLUID SERVICE ON LOCATION. PUMP 40 BBLs FIELD BRINE TO ENSURE THAT WELL STAYS QUIET.

REMOVE 5 1/2" MASTER GATE.

A&W SUPPLY ON LOCATION WITH NEW 2 3/8" TBG.

RIH - WITH 15' MA, SN, 136 JTS. 2 3/8" TBG.

TAG TOTAL DEPTH @ 4314'.

PICK UP & SET TBG @ 4285'.

NOTE: - HAVE 136' SAND FILL-UP IN WELL BORE. CIBP OVER VIOLA IS SET @ 4450'

HAVE 22' PERFS COVERED WITH SAND.

SHUT DOWN FOR THE NIGHT.

ORIGINAL

FEB 09 1998

2/19/97

POOH - WITH TBG.
RIG UP SAND PUMP. SAND PUMPED APPROX. 100' OF SAND OUT OF WELL.
SHUT DOWN FOR THE WEEKEND.

CONSERVATION DIVISION
WICHITA, KS

2/23/97

SICP - VAC. SAND PUMPED APPROX 50' SAND. RIG DOWN SAND PUMP.
RIH - WITH 15' MA, SN, 138 JTS. 2 3/8" TBG.
SET TBG @ 4377'. RIG UP TBG SWAB IN AN EFFORT TO SWAB WELL IN.

SWAB MISS VIA TBG AS FOLLOWS:

FOUND FLUID LEVEL @ 2000' DOWN.
SWAB 3 HRS, RECOVERING 30 BWPH, FL. LEV. @ 2200' DOWN.
NO SHOW OF GAS.
SHUT DOWN FOR THE NIGHT.

2/24/97

SITP - VAC, SICP - 180 psi.

CONT. SWAB TESTING AS FOLLOWS:

FOUND FLUID LEVEL @ 2000' DOWN.
SWAB ALL DAY @ 24 BWPH, FLUID LEVEL 2200' DOWN, SLIGHT SHOW GAS.
RECOVERED 200 BBLs WATER FOR THE DAY.
SHUT DOWN FOR THE NIGHT.

2/25/97

SITP - VAC, SICP - 825 psi.

CONT. SWAB TESTING AS FOLLOWS:

FOUND FLUID LEVEL @ 2100' FROM SURFACE.
SWAB ALL DAY @ 21 BWPH, FLUID LEVEL @ 2200' DOWN, SLIGHT SHOW GAS.
RECOVERED 190 BBLs WATER FOR THE DAY.
SHUT DOWN FOR THE NIGHT.

2/26/97

SITP - 40 psi, SICP - 960 psi. FLUID LEVEL - 2100' DOWN.
NOTE: - WE HAVE SWABBED 490 BBLs WATER VIA TBG SWAB, DECISION MADE
TO ATTEMPT CASING SWABBING.

BLEW WELL DOWN.

POOH - WITH TBG.

RIG UP CASING SWAB TOOLS.

CONT. SWAB TESTING VIA CASING SWAB AS FOLLOWS:

FOUND FLUID LEVEL @ 2000' FROM SURFACE.
SWAB 2 1/2 HRS @ 80 BWPH, FLUID LEVEL @ 1200' FROM SURFACE.
SHOW OF GAS. RECOVERED 180 BBLs TTL FOR THE DAY.
SHUT DOWN FOR THE WEEKEND.

2/29/97

SICP - 430 psi, FLUID LEVEL - 1800' DOWN.

NOTE: - DECISION MADE TO RUN POLYMER & CEMENT TREATMENT FOR WATER
CONTROL IN LOWER MISS PERFS.

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FEB 09 1998

9/29 CONT.

RIG DOWN CASING SWAB. RIG UP SAND PUMP.
RECOVERED 40' SAND.
SHUT DOWN FOR THE NIGHT.

CONSERVATION DIVISION
WICHITA, KS

9/30/97

ELI WIRELINE ON LOCATION TO SET CEMENT RETAINER.
SET HALLIBURTON EZSV CEMENT RETAINER @ - 4320'.
HALLIBURTON ON LOCATION WITH STINGER.
RIH - WITH STINGER & TBG.

HALLIBURTON ON LOCATION TO PUMP WATER CONTROL TREATMENT
CONSISTING OF 4000 GALS INJECTROL POLYMER, & 50 SX COMMON CEMENT.

PUMP WATER CONTROL TREATMENT AS FOLLOWS:

PRESSURE TEST TBG TO 2000 psi.
PUMP 20 BBL FRESH WATER SPACER @ 2 BPM - 0 psi.
PUMP 4000 GALS INJECTROL POLYMER @ 2 BPM - 0 psi.
PUMP 4 BBL FRESH WATER SPACER @ 2 BPM - 0 psi.
PUMP 50 SX COMMON CEMENT W/HALAD-9 @ 2 BPM - 0 psi TO 150 psi.
PULL OUT OF RETAINER & REVERSE OUT (LOSING CIRCULATION)
NOTE: - PUMPED DOWN ANNULUS @ 2 BPM - 0 psi DURING ENTIRE JOB TO KEEP
UPPER PERFS ABOVE RETAINER OPEN

POOH - WITH TBG & STINGER.
RIG TO RUN PRODUCTION TUBING.

RAN PRODUCTION TUBING AS FOLLOWS:

MUD ANCHOR X 2 3/8"	15.00'
SEATING NIPPLE X 2 3/8"	1.10'
132 JTS. 2 3/8" TUBING	4161.57'
K.B. (11' < 3' ABOVE G.L.)	8.00'
TUBING SET @	4185.67'
SEATING NIPPLE SET @	4170.67'

COMANCHE RIGGED DOWN & MOVED OFF LOCATION TO LET TREATMENT HEAL
FOR A FEW DAYS.

10/7/97

COMANCHE BACK ON LOCATION, RIGGED UP D-D POLE UNIT TO SWAB TBG.

SWAB TEST VIA TBG AS FOLLOWS:

FOUND FLUID LEVEL @ 2000' DOWN.
SWAB 6 HRS MAKING 21 BWPH. GOOD SHOW OF GAS.
CSN PRESSURE @ END OF DAY 130 psi.
SHUT DOWN FOR THE DAY.

10/8/97

SITP - 340 psi, SICP - 380 psi, FLUID LEVEL - 2000' DOWN.

SWAB & FLOW TEST AS FOLLOWS:

SWAB APPROX 4 HRS, RECOVERING 18 BWPH, FLOWING INTERMITTENTLY.
WELL KICKED OFF FLOWING @ 400 MCFPD RATE.
TURN WELL THRU SEPARATOR TO TEST. FLOW TEST AS FOLLOWS:

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CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

10/8 CONT.

FLOW TEST AS FOLLOWS:

1/2 HR. FLOW - RECOVERED 6.68 BBLs WATER. 700 MCFPD, FCP - 580 psi.
1/2 HR. FLOW - RECOVERED 5.01 BBLs WATER. 450 MCFPD, FCP - 570 psi.
1/2 HR. FLOW - RECOVERED 5.01 BBLs WATER. 332 MCFPD, FCP - 550 psi.
1/2 HR. FLOW - RECOVERED 3.34 BBLs WATER. 332 MCFPD, FCP - 530 psi.
1/2 HR. FLOW - RECOVERED 8.35 BBLs WATER. 332 MCFPD, FCP - 500 psi.
1/2 HR. FLOW - RECOVERED 6.68 BBLs WATER. 332 MCFPD, FCP - 505 psi.
1/2 HR. FLOW - RECOVERED 6.68 BBLs WATER. 332 MCFPD, FCP - 510 psi.
LEFT WELL PRODUCING THRU METER RUN.
SHUT DOWN FOR THE NIGHT.

10/10/97

FCP - 480 psi, WELL PRODUCING 450 MCFPD DOWN TEXACO LINE.
COMANCHE RIGGED DOWN & MOVED OFF LOCATION.

10/20/97

WELL PRODUCING 650 MCFPD, FLOWING CSN PRESS = 480 psi.
WELL PRODUCING 180 BBLs WATER/DAY.

END OF REPORT



BRAD SIROY

ORIGINAL

DST REPORT

GENERAL INFORMATION

DATE : 07/07/1997
CUSTOMER : OIL PRODUCERS OF KANSAS
WELL : 31-1 TEST: 1
ELEVATION: 1361 G.L.
SECTION : 31
RANGE : 9W COUNTY: HARPER
GAUGE SN#: 1562 RANGE : 3900

TICKET : 22329
LEASE : HENDRICKS UNIT
GEOLOGIST: SHEPHERD
FORMATION: VIOLA
TOWNSHIP : 32S
STATE : KS
CLOCK : 12 HR.

WELL INFORMATION

PERFORATION INTERVAL FROM: 4622.00 ft TO: 4650.00 ft TVD: 4650.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4630.0 ft 4633.0 ft
TEMPERATURE: 122.0

DRILL COLLAR LENGTH:	420.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4182.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 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 :	4.5 XH
PACKER DEPTH:	4617.0 ft	SIZE:	6.300 in
PACKER DEPTH:	4622.0 ft	SIZE:	6.300 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE RIG #5
MUD TYPE : CHEMICAL
WEIGHT : 9.400 ppg
CHLORIDES : 0 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 47.00 cp
WATER LOSS: 13.800 cc
SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW OFF BOTTOM OF
BUCKET IN 1 MINUTE
FINAL FLOW PERIOD STRONG BLOW

15-077-21328

ORIGINAL

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	15.0	5.0	0.0	80.0	OIL & GAS CUT MUD
360.0	70.0	20.0	10.0	0.0	GASSY OIL WITH TRACE OF
0.0	0.0	0.0	0.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	2550 GAS IN PIPE

RATE INFORMATION

OIL VOLUME: 1.2613 STB
 GAS VOLUME: 2.0295 SCF
 MUD VOLUME: 0.1180 STB
 WATER VOLUME: 0.1770 STB
 TOTAL FLUID : 1.5564 STB

TOTAL FLOW TIME: 60.0000 min.
 AVERAGE OIL RATE: 33.1045 STB/D
 AVERAGE WATER RATE: 4.2487 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2389.00

Description	Duration	p1	p End
INITIAL FLOW			
INITIAL SHUT-IN	30.00	80.00	100.00
FINAL FLOW	30.00		1381.00
FINAL SHUT-IN	30.00	130.00	150.00
	45.00		1569.00

FINAL HYDROSTATIC PRESSURE: 2320.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2395.00

Description	Duration	p1	p End
INITIAL FLOW			
INITIAL SHUT-IN	30.00	121.13	105.60
FINAL FLOW	30.00		1397.99
FINAL SHUT-IN	30.00	171.50	152.74
	45.00		1576.20

FINAL HYDROSTATIC PRESSURE: 2340.00

Company: OIL PRODUCERS OF KANSAS
Well: HENDRICKS UNIT 31-1 DST #1
Field: TKT #22329

[Monday: July 7, 1997]
Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)

START FLOW 1				
1	0	0: 0:57	0.0000	121.13
8	0	0: 1:33	0.0100	121.08
13	0	0: 2: 9	0.0198	111.90
18	0	0: 2:44	0.0297	106.04
23	0	0: 3:20	0.0397	106.01
28	0	0: 3:56	0.0496	99.32
33	0	0: 4:32	0.0595	95.96
38	0	0: 5: 8	0.0695	96.77
43	0	0: 5:43	0.0795	93.41
48	0	0: 6:19	0.0894	91.72
53	0	0: 6:55	0.0994	90.85
58	0	0: 7:31	0.1094	89.99
63	0	0: 8: 7	0.1194	89.97
68	0	0: 8:43	0.1294	89.11
73	0	0: 9:19	0.1393	88.24
78	0	0: 9:55	0.1493	88.22
83	0	0:10:31	0.1593	88.19
88	0	0:11: 7	0.1693	88.16
93	0	0:11:43	0.1793	88.13
98	0	0:12:19	0.1893	88.10
103	0	0:12:55	0.1993	88.91
108	0	0:13:31	0.2093	88.88
113	0	0:14: 7	0.2193	88.85
118	0	0:14:43	0.2293	88.82
123	0	0:15:19	0.2393	89.63
128	0	0:15:55	0.2493	89.60
133	0	0:16:31	0.2593	90.40
138	0	0:17: 7	0.2693	91.21
143	0	0:17:43	0.2793	91.18
148	0	0:18:19	0.2893	91.98
153	0	0:18:55	0.2993	92.79
158	0	0:19:31	0.3093	93.59
163	0	0:20: 7	0.3193	93.57
168	0	0:20:43	0.3293	94.37
173	0	0:21:19	0.3393	95.17
178	0	0:21:55	0.3493	95.98
183	0	0:22:31	0.3593	96.78
188	0	0:23: 7	0.3693	97.59
193	0	0:23:43	0.3793	98.39
198	0	0:24:19	0.3893	99.20
203	0	0:24:55	0.3993	99.20
208	0	0:25:31	0.4093	99.99
213	0	0:26: 7	0.4193	100.78
218	0	0:26:43	0.4293	102.41
223	0	0:27:19	0.4393	103.22
228	0	0:27:55	0.4493	104.02
233	0	0:28:31	0.4594	105.66
238	0	0:29: 7	0.4694	104.80
243	0	0:29:43	0.4794	105.60
END FLOW 1				
START SHUTIN 1				
248	0	0:30:19	0.4894	108.07
253	0	0:30:55	0.4994	111.38
258	0	0:31:32	0.5095	118.01

WESTERN TESTING CO., INC.

Company: OIL PRODUCERS OF KANSAS
 Well: HENDRICKS UNIT 31-1 DST #1
 Field: TKT #22329

[Monday: July 7, 1997]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
263	0	0:32: 8	0.5197	127.97
268	0	0:32:45	0.5299	139.60
273	0	0:33:21	0.5400	151.23
278	0	0:33:58	0.5503	166.19
283	0	0:34:35	0.5604	176.98
288	0	0:35:12	0.5707	192.78
293	0	0:35:49	0.5809	207.73
298	0	0:36:26	0.5912	225.19
303	0	0:37: 3	0.6016	247.64
308	0	0:37:40	0.6119	268.43
313	0	0:38:17	0.6222	286.72
318	0	0:38:54	0.6326	310.01
323	0	0:39:32	0.6429	330.79
328	0	0:40: 9	0.6533	357.41
333	0	0:40:46	0.6636	379.03
337	0	0:41:16	0.6720	399.82
342	0	0:41:54	0.6824	425.61
346	0	0:42:24	0.6908	450.56
350	0	0:42:54	0.6992	478.02
355	0	0:43:32	0.7097	508.79
360	0	0:44:10	0.7201	534.58
364	0	0:44:40	0.7286	564.53
368	0	0:45:11	0.7370	591.98
372	0	0:45:41	0.7455	623.60
376	0	0:46:12	0.7542	661.88
381	0	0:46:49	0.7645	681.00
385	0	0:47:20	0.7730	711.78
389	0	0:47:50	0.7814	738.41
393	0	0:48:21	0.7898	766.69
397	0	0:48:51	0.7983	794.15
401	0	0:49:22	0.8068	824.93
405	0	0:49:52	0.8152	853.22
409	0	0:50:22	0.8237	881.50
413	0	0:50:54	0.8323	920.61
417	0	0:51:24	0.8407	943.91
421	0	0:51:54	0.8492	974.69
425	0	0:52:25	0.8578	1013.53
429	0	0:52:56	0.8662	1040.45
433	0	0:53:26	0.8747	1065.73
437	0	0:53:57	0.8832	1101.62
441	0	0:54:27	0.8917	1130.17
445	0	0:54:58	0.9002	1162.80
449	0	0:55:28	0.9086	1187.27
453	0	0:55:59	0.9171	1216.63
457	0	0:56:29	0.9255	1238.65
461	0	0:56:59	0.9339	1264.75
466	0	0:57:37	0.9443	1290.84
471	0	0:58:14	0.9548	1316.94
475	0	0:58:44	0.9631	1337.32
480	0	0:59:22	0.9734	1359.33
485	0	0:59:58	0.9837	1374.82
490	0	1: 0:36	0.9940	1392.75
495	0	1: 1:12	1.0040	1397.99
		END SHUTIN 1		
		START FLOW 2		
496	0	1: 2:45	1.0300	171.50

WESTERN TESTING CO., INC.

Company: OIL PRODUCERS OF KANSAS
Well: HENDRICKS UNIT 31-1 DST #1
Field: TKT #22329

[Monday: July 7, 1997]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
501	0	1: 3:21	1.0400	171.47
506	0	1: 3:57	1.0500	171.44
511	0	1: 4:32	1.0597	155.59
516	0	1: 5: 8	1.0696	148.90
521	0	1: 5:43	1.0795	143.88
526	0	1: 6:19	1.0895	143.02
531	0	1: 6:55	1.0994	139.66
536	0	1: 7:31	1.1094	139.63
541	0	1: 8: 7	1.1194	138.77
546	0	1: 8:43	1.1293	137.91
551	0	1: 9:19	1.1393	137.05
556	0	1: 9:55	1.1493	136.19
561	0	1:10:31	1.1593	136.16
566	0	1:11: 7	1.1693	136.13
571	0	1:11:43	1.1793	136.10
576	0	1:12:19	1.1893	136.08
581	0	1:12:55	1.1993	137.71
586	0	1:13:31	1.2093	137.69
591	0	1:14: 7	1.2193	138.49
596	0	1:14:43	1.2293	138.46
601	0	1:15:19	1.2393	139.27
606	0	1:15:55	1.2493	140.07
611	0	1:16:31	1.2593	140.04
616	0	1:17: 7	1.2693	140.85
621	0	1:17:43	1.2793	141.65
626	0	1:18:19	1.2893	142.46
631	0	1:18:55	1.2993	143.26
636	0	1:19:31	1.3093	144.06
641	0	1:20: 7	1.3193	144.87
646	0	1:20:43	1.3293	145.67
651	0	1:21:19	1.3393	145.65
656	0	1:21:55	1.3493	146.45
661	0	1:22:31	1.3593	147.25
666	0	1:23: 7	1.3693	148.06
671	0	1:23:43	1.3793	148.03
676	0	1:24:19	1.3893	148.84
681	0	1:24:55	1.3993	149.64
686	0	1:25:31	1.4093	149.61
691	0	1:26: 7	1.4193	149.58
696	0	1:26:43	1.4293	150.39
701	0	1:27:19	1.4393	151.19
706	0	1:27:55	1.4493	151.16
711	0	1:28:31	1.4593	151.97
716	0	1:29: 7	1.4693	151.94
721	0	1:29:43	1.4793	152.74
		END FLOW 2		
		START SHUTIN 2		
724	0	1:30: 4	1.4853	153.56
726	0	1:30:19	1.4893	154.38
731	0	1:30:55	1.4994	157.68
736	0	1:31:31	1.5095	164.32
741	0	1:32: 8	1.5196	170.95
746	0	1:32:44	1.5297	181.75
751	0	1:33:21	1.5399	191.71
756	0	1:33:58	1.5502	210.00

WESTERN TESTING CO., INC.

Company: OIL PRODUCERS OF KANSAS
Well: HENDRICKS UNIT 31-1 DST #1
Field: TKT #22329

[Monday: July 7, 1997]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
761	0	1:34:35	1.5604	225.79
766	0	1:35:12	1.5708	249.08
771	0	1:35:49	1.5811	268.20
775	0	1:36:19	1.5895	290.66
780	0	1:36:57	1.5999	317.27
784	0	1:37:27	1.6082	339.73
788	0	1:37:57	1.6166	361.36
792	0	1:38:27	1.6250	385.48
796	0	1:38:57	1.6334	412.93
800	0	1:39:28	1.6419	442.88
804	0	1:39:58	1.6503	467.84
808	0	1:40:28	1.6587	491.13
812	0	1:40:59	1.6671	519.42
816	0	1:41:29	1.6756	549.37
820	0	1:42: 0	1.6842	587.65
825	0	1:42:38	1.6947	620.09
830	0	1:43:16	1.7053	653.37
835	0	1:43:53	1.7156	675.82
839	0	1:44:24	1.7240	701.61
843	0	1:44:54	1.7325	730.73
847	0	1:45:25	1.7410	760.68
852	0	1:46: 2	1.7514	788.96
856	0	1:46:32	1.7598	810.59
860	0	1:47: 3	1.7682	838.04
864	0	1:47:33	1.7766	862.16
868	0	1:48: 3	1.7850	888.79
872	0	1:48:34	1.7934	913.74
876	0	1:49: 4	1.8018	937.87
880	0	1:49:34	1.8102	959.49
885	0	1:50:11	1.8205	984.44
889	0	1:50:41	1.8290	1010.03
894	0	1:51:19	1.8394	1036.12
899	0	1:51:56	1.8498	1058.95
904	0	1:52:34	1.8602	1085.86
909	0	1:53:11	1.8705	1104.61
913	0	1:53:41	1.8789	1127.44
918	0	1:54:18	1.8892	1148.64
923	0	1:54:55	1.8995	1166.57
928	0	1:55:33	1.9098	1187.77
933	0	1:56:10	1.9201	1204.06
938	0	1:56:47	1.9304	1221.18
943	0	1:57:23	1.9406	1232.58
948	0	1:58: 0	1.9508	1247.25
953	0	1:58:37	1.9611	1264.36
958	0	1:59:14	1.9713	1278.21
963	0	1:59:50	1.9814	1287.98
968	0	2: 0:27	1.9916	1299.38
973	0	2: 1: 4	2.0018	1309.15
978	0	2: 1:40	2.0119	1318.10
983	0	2: 2:16	2.0220	1324.60
988	0	2: 2:53	2.0322	1333.55
993	0	2: 3:29	2.0423	1342.50
998	0	2: 4: 6	2.0524	1349.82
1003	0	2: 4:42	2.0625	1354.69
1008	0	2: 5:19	2.0726	1362.83

WESTERN TESTING CO., INC.

Company: OIL PRODUCERS OF KANSAS
Well: HENDRICKS UNIT 31-1 DST #1
Field: TKT #22329

[Monday: July 7, 1997]
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REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1013	0	2: 5:55	2.0827	1368.51
1018	0	2: 6:31	2.0928	1375.02
1023	0	2: 7: 8	2.1029	1380.70
1028	0	2: 7:44	2.1130	1387.21
1033	0	2: 8:20	2.1231	1392.08
1038	0	2: 8:56	2.1331	1395.31
1043	0	2: 9:33	2.1432	1401.00
1048	0	2:10: 9	2.1533	1407.50
1053	0	2:10:45	2.1634	1412.37
1058	0	2:11:22	2.1734	1416.43
1063	0	2:11:58	2.1835	1420.48
1068	0	2:12:34	2.1936	1425.35
1073	0	2:13:10	2.2036	1429.40
1078	0	2:13:46	2.2136	1431.83
1083	0	2:14:22	2.2237	1435.06
1088	0	2:14:59	2.2338	1439.93
1093	0	2:15:35	2.2438	1444.80
1098	0	2:16:11	2.2539	1447.23
1103	0	2:16:47	2.2639	1449.65
1108	0	2:17:23	2.2739	1452.07
1113	0	2:17:59	2.2840	1455.31
1118	0	2:18:36	2.2940	1460.18
1123	0	2:19:12	2.3041	1463.41
1128	0	2:19:48	2.3141	1466.65
1133	0	2:20:24	2.3242	1469.89
1138	0	2:21: 0	2.3342	1473.13
1143	0	2:21:36	2.3442	1474.73
1148	0	2:22:13	2.3543	1477.15
1153	0	2:22:49	2.3643	1481.21
1158	0	2:23:25	2.3744	1482.81
1163	0	2:24: 1	2.3844	1485.23
1168	0	2:24:37	2.3944	1488.47
1173	0	2:25:13	2.4045	1491.71
1178	0	2:25:49	2.4145	1494.94
1183	0	2:26:26	2.4246	1497.37
1188	0	2:27: 2	2.4346	1499.79
1193	0	2:27:38	2.4446	1502.21
1198	0	2:28:14	2.4546	1503.81
1203	0	2:28:50	2.4647	1505.42
1208	0	2:29:26	2.4747	1508.66
1213	0	2:30: 2	2.4848	1511.89
1218	0	2:30:38	2.4948	1514.31
1223	0	2:31:14	2.5048	1515.92
1228	0	2:31:51	2.5148	1517.52
1233	0	2:32:27	2.5248	1519.13
1238	0	2:33: 3	2.5349	1521.55
1243	0	2:33:39	2.5449	1524.79
1248	0	2:34:15	2.5549	1525.58
1253	0	2:34:51	2.5649	1527.18
1258	0	2:35:27	2.5750	1528.79
1263	0	2:36: 3	2.5850	1530.39
1268	0	2:36:39	2.5950	1532.00
1273	0	2:37:15	2.6050	1533.60
1278	0	2:37:51	2.6150	1535.21
1283	0	2:38:27	2.6250	1536.81

WESTERN TESTING CO., INC.

Company: OIL PRODUCERS OF KANSAS
Well: HENDRICKS UNIT 31-1 DST #1
Field: TKT #22329

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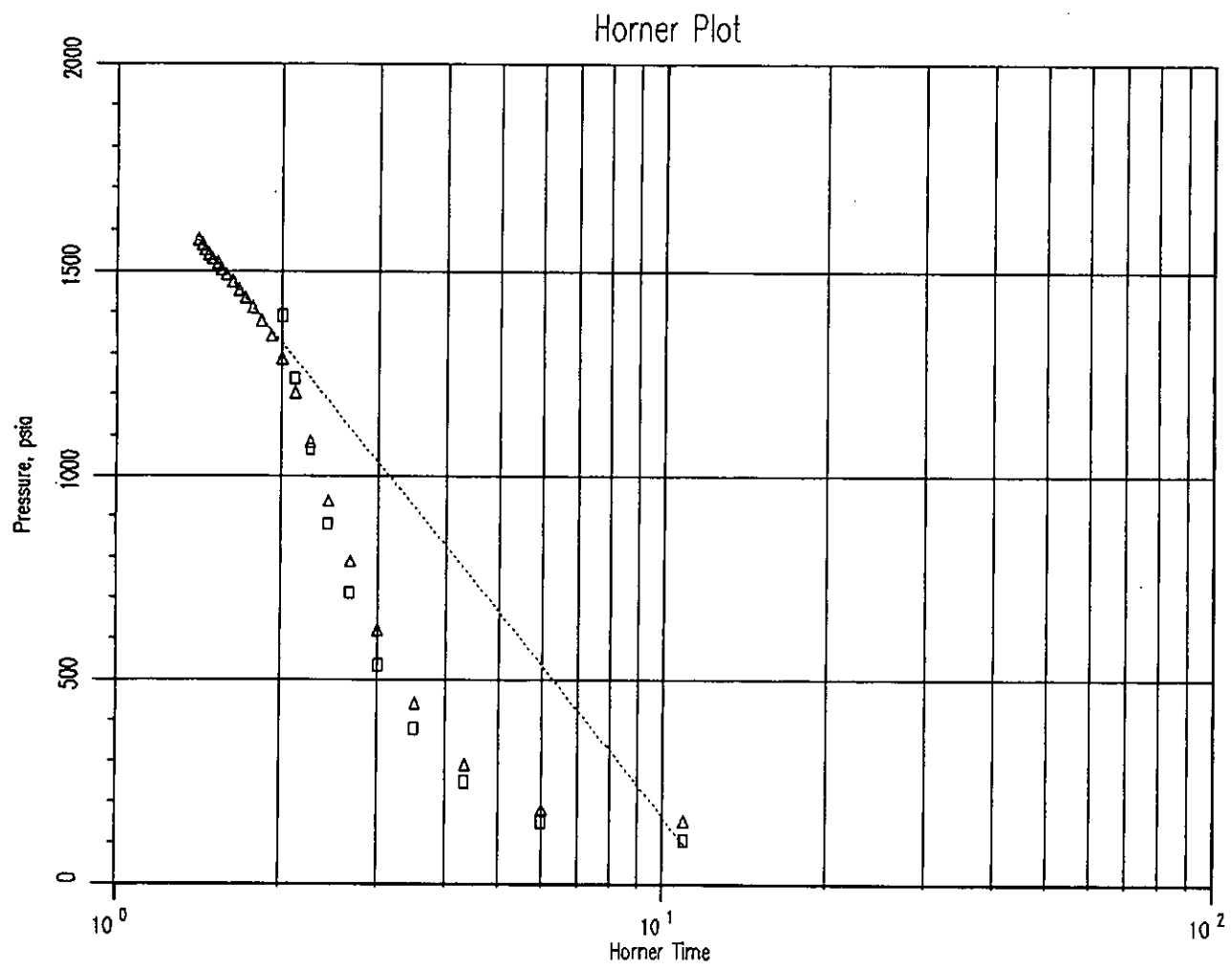
REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1288	0	2:39: 3	2.6351	1539.23
1293	0	2:39:39	2.6451	1540.02
1298	0	2:40:16	2.6551	1543.26
1303	0	2:40:52	2.6652	1544.86
1308	0	2:41:28	2.6752	1546.47
1313	0	2:42: 4	2.6852	1548.89
1318	0	2:42:40	2.6952	1550.50
1323	0	2:43:16	2.7052	1551.28
1328	0	2:43:52	2.7153	1553.71
1333	0	2:44:28	2.7253	1554.49
1338	0	2:45: 4	2.7353	1556.92
1343	0	2:45:40	2.7453	1559.34
1348	0	2:46:16	2.7554	1561.76
1353	0	2:46:53	2.7654	1563.36
1358	0	2:47:29	2.7754	1564.15
1363	0	2:48: 5	2.7854	1565.76
1368	0	2:48:41	2.7954	1568.18
1373	0	2:49:17	2.8055	1570.60
1378	0	2:49:53	2.8155	1572.20
1383	0	2:50:29	2.8255	1573.81
1388	0	2:51: 5	2.8355	1575.41
1393	0	2:51:41	2.8455	1576.20

WESTERN TESTING CO., INC.

DATE 07/07/1997
 CUSTOMER OIL PRODUCERS OF KANSAS
 WELL 31-1
 ELEVATION 1361 G.L.
 SECTION 31
 RANGE 9W
 GAUGE SN# 1562

TEST 1
 COUNTY HARPER
 RANGE 3900

TICKET 22329
 LEASE HENDRICKS UNIT
 GEOLOGIST SHEPHERD
 FORMATION VIOLA
 TOWNSHIP 32S
 STATE KS
 CLOCK 12 HR.



Result

	#1	#2
tp, hrs		0.50
Slope		-1657.27
Pstar, psig		1823.20
P1hr, psig		1531.37
Skin		-0.62
k, md		0.33
kh/u, md-ft/cp		3.76
ri, ft		2.88
DR, %		0.47
Drawdown Factor, %		

— BUILD 1
 - - - BUILD 2

HORNER ANALYSIS REPORT

GENERAL INFORMATION

DATE : 07/07/1997	TICKET : 22329
CUSTOMER : OIL PRODUCERS OF KANSAS	LEASE : HENDRICKS UNIT
WELL : 31-1 TEST: 1	GEOLOGIST: SHEPHERD
ELEVATION: 1361 G.L.	FORMATION: VIOLA
SECTION : 31	TOWNSHIP : 32S
RANGE : 9W COUNTY: HARPER	STATE : KS
GAUGE SN#: 1562 RANGE : 3900	CLOCK : 12 HR.

Input Data

Porosity 0.100 Rw: 0.328 ft h: 10.000 ft

qo 33.1 STB GOR 335.0 SCF/STB

Pvt Data
 Evaluation Pressure : 1392.8
 Evaluation Temperature: 122.0

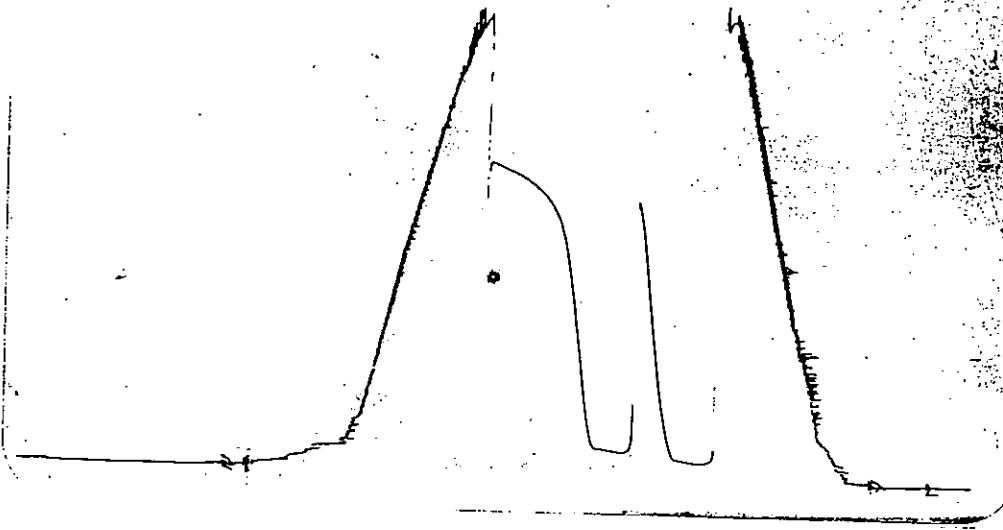
Oil Grav 38.00 API	Gas Grav 0.65 API	Pb 1392.80 PSIA
Bo 1.158 RBL/STB	Vis 1.000 cp	Ct 2.3932E-004 1/PSI

Horner Results

	Initial Shut-In	Final Shut-In
pseudo pressure time		0.50 hrs
slope		-1657.27
pstar		1823.20 psig
plhr		1531.37 psig
skin		-0.62
permeability		0.33 md
transmissability		3.76 md-ft/cp
radius of investigation		2.88 ft
Damage-Ratio		0.47 percent
Drawdown Factor		

1562
DST #1
TOP

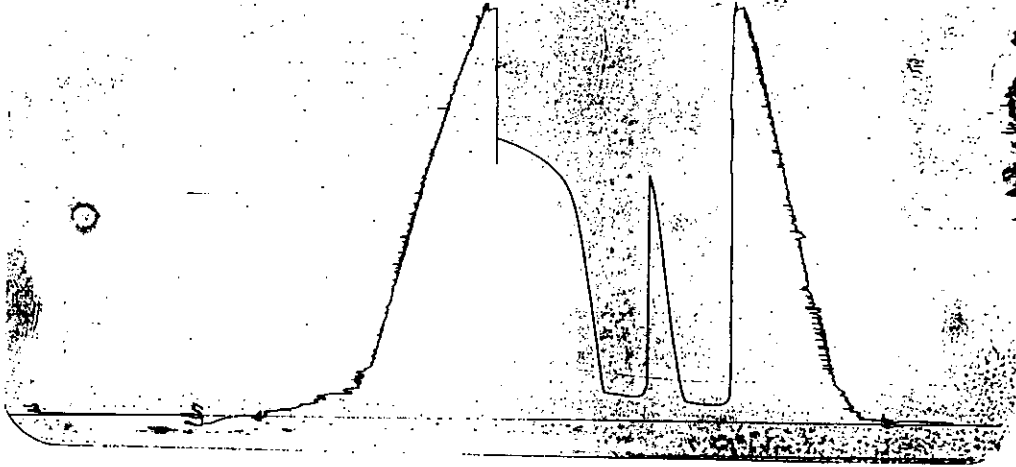
KT 2229



Inside Recorder

1562
DST #1
BOTTOM

KT 2229



Outside Recorder