

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

Release Form ACO-1  
September 1999  
Form Must Be Typed  
JAN 25 2001  
From  
Confidential

**CONFIDENTIAL**

Operator: License # 5293  
Name: Helmerich & Payne, Inc.  
Address: 1579 E. 21<sup>st</sup> Street  
City/State/Zip: Tulsa, OK 74114  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Sharon LaValley  
Phone: (918) 742-5531  
Contractor: Name: Cheyenne Drilling  
License: 5382  
Wellsite Geologist: Wes Henson

**ORIGINAL**

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc.)  
If Workover/Re-entry: Old Well Info as follows:

**KCC**  
JUL 19 2001

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. To Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_  
03/31/01 04/12/01 05/05/01  
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

**CONFIDENTIAL**

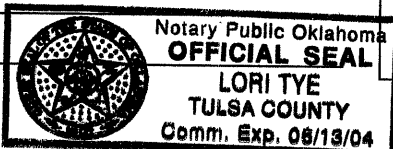
API No. 15 - 055-21730-00-00  
County: Finney  
SE-NW-NW Sec. 9 Twp. 26 S. R. 34  East  West  
835 feet from S /  (circle one) Line of Section  
1303 feet from E /  (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  NW SW  
Lease Name: Bedford B Well #: 3  
Field Name: Pleasant Prairie  
Producing Formation: St. Louis/Morrow  
Elevation: Ground: 2955' Kelly Bushing: 2966'  
Total Depth: 5305' Plug Back Total Depth: 4563'  
Amount of Surface Pipe Set and Cemented at 1861 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 3176 Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan See log 1-25-05  
(Data must be collected from the reserve pit)  
Chloride content Est 2000 ppm Fluid volume 2000 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite:  
Operator Name: K&L Tank Service  
Lease Name: Morris B-1 SWD License No.: 8757  
Quarter Sec. 19 Twp. 24 S. R. 31  East  West  
County: Finney Docket No.: C-16812 (96930-C)

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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 completed and correct to the best of my knowledge.

Signature: Sharon LaValley  
Title: Engineer Tech Date: 7/16/01  
Subscribed and sworn to before me this 16<sup>th</sup> day of July, 2001.  
Notary Public: Lori Tye  
Date Commission Expires: 6/13/04



**KCC Office Use Only**  
CONSERVATION DIVISION  
yes  Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Helmerich & Payne, Inc. Lease Name: Bedford B Well #: 3

Sec. 9 Twp. 26 S. R. 34  East  West County: Finney

**Instructions:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Takes  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

Name	Top	Datum
Base of Stone Corral	1872'	1094'
Winfield	2556'	410'
Heeber Shale	3836'	-870'
Lansing	3886'	-920'
Kansas City	4360'	-1394'
Base of Kansas City	4421'	-1455'
Atoka	4788'	-1822'
Morrow	4840'	-1874'
St. Gen	4983'	-2017'
St. Louis	5032'	-2066'

List All E. Logs Run:

CASING RECORD <input checked="" type="checkbox"/> New <input 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#	1861'	35/65 Poz C Lite	560	6% bent + 2%CC + 1/8# polyflake
					Class C	150	2% CC + 1/8# polyflake
Production	7 7/8"	5 1/2"	14#	4614'	50/50 Poz Prem	100	1/8# flocele + .6% Halad-322 + 10% salt + .25% D-Air 3000 + .2% D-46 antifoamer
					50/50 Poz Prem	390	1/8# Flocele + .6% Halad-322 + 10% salt + .25% D-Air 3000, 4% Cal-Seal @ 6.0 BPM

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				

Shot Per Foot	PERFORATIONS RECORD – Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record		
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		
4	Marmaton 4467-4474		Acid – 500 gals, 20% HCL	Depth 4467-4474'	
			Acid – 3500 gals 75Q Foamed 20% HCL		
TUBING RECORD		Size	Set At	Packer At	
		2 7/8"	4507'		
Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Date of First, Resumed Production, SWD or Enhr.			Producing Method		
05/05/01			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls	Gas Mcf	Water Bbls	Gas-Oil Ratio	Gravity
	56	19	18		

Disposition of Gas  Vented  Sold  Used on Lease (If Vented, Submit ACO-18)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled 4467-4474'

Production Interval  Other (Specify) \_\_\_\_\_

JAN 25 2005

From Confidential

Customer: CHEYENNE DRILLING				Job Number: 20209998			
Well: Bedford B 3			Location (legal): Ulysses, KS			Job Start: 4/2/01	
Field: none		Formation Name/Type: none		Deviation: 0 °		Bit Size: 12.3 in	Well MD: 1,862 ft
County: Finney		State/Province: Kansas		BHP: 0 psi	BHST: 85 °F	BHCT: 80 °F	Pore Press. Gradient: 0 psi/ft
Rig Name: Cheyenne Drilling 3		Drilled For: Oil & Gas		Service Via: Land		Casing/Liner	
Offshore Zone:		Well Class: New		Well Type: Development		Depth, ft: 1863	Size, in: 8.63
				Weight, lb/ft: 24	Grade: K55	Thread: 8RD	
Drilling Fluid Type: Spud Mud		Max. Density: 9.6 lb/gal		Plastic Viscosity: 30 cp		Tubing/Drill Pipe	
Service Line: Cementing		Job Type: Cem Surface Casing		Depth, ft: 0	Size, in: 0	Weight, lb/ft: 0	Grade:
Max. Allowed Tubing Pressure: 0 psi		Max. Allowed Ann. Pressure: 0 psi		WellHead Connection: Single cement head		Perforations/Open Hole	
Service Instructions: Safely cement KCC surface casing as per customer's request		Top, ft: 0	Bottom, ft: 0	spf: 0	No. of Shots: 0	Total Interval: 0 ft	
JUL 19 2001 ORIGINAL		Diameter: 0	in:	Treat Down: Casing	Displacement: 116 bbl	Packer Type: None	Packer Depth: 0 ft
CONFIDENTIAL		Tubing Vol.: 0 bbl	Casing Vol.: 119 bbl	Annular Vol.: 137 bbl	Open Hole Vol.: 0 bbl		
Casing/Tubing Secured <input checked="" type="checkbox"/> 1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>				Casing Tools		Squeeze Job	
Lift Pressure: 765 psi				Shoe Type: Guide		Squeeze Type:	
Pipe Rotated <input type="checkbox"/> Pipe Reciprocated <input checked="" type="checkbox"/>				Shoe Depth: 1862 ft		Tool Type:	
No. Centralizers: 5 Top Plugs: 1 Bottom Plugs: 0				Stage Tool Type: none		Tool Depth: 0 ft	
Cement Head Type: Single				Stage Tool Depth: 0 ft		Tail Pipe Size: 0 in	
Job Scheduled For: 3/8/01 17:30 Arrived on Location: 4/1/01 21:00 Leave Location: 4/2/01 4:00				Collar Type: Auto-Fill		Tail Pipe Depth: 0 ft	
				Collar Depth: 1816 ft		Sqz Total Vol: 0 bbl	
Message							
Time	CumVol	Density	Pressure	TotFlowrate	TotVol		
24 hr clock	bbl	ppg	psi	bpm	bbl		
1:47	0	0	0	0	0	START ACQUISITION	
1:47	0.	8.3	41.21	0.	0.		
1:48	0.124	8.3	224.4	2.2	0.124		
1:49	0.124	8.3	224.4	2.2	0.124	Start Pumping Water	
1:49	5.12	8.28	187.7	5.05	5.12		
1:50	10.18	8.28	174.	5.03	10.18		
1:51	10.18	8.28	174.	5.03	10.18	Reset Volume	
1:51	10.18	8.28	174.	5.03	10.18	[CumVol]=13.64 bbl	
1:51	10.18	8.28	174.	5.03	10.18	Can Reset	
1:51	10.18	8.28	174.	5.03	10.18	[Vol/Can]=14.14 bbl	
1:51	1.36	12.83	302.2	5.33	15.09	Start Mixing Lead Slurry	
1:52	7.	12.09	251.8	5.55	20.72		
1:53	12.69	12.36	228.9	5.49	26.42	KANSAS CORPORATION COMMISSION	
1:54	18.33	12.2	215.2	5.51	32.06		
1:55	24.03	12.01	219.8	5.35	37.76	JUL 19 2001	
1:56	29.64	12.14	206.	5.83	43.36		
1:57	35.29	12.2	206.	5.69	49.02	CONSERVATION DIVISION	
1:58	41.01	12.2	128.2	5.53	54.74		
1:59	46.62	12.33	174.	5.79	60.35		
2:00	52.47	12.56	183.2	5.83	66.19		
2:01	58.25	12.19	169.4	5.69	71.97		

Well		Field				Service Date		Customer	Job Number
Bedford B #3								CHEYENNE DRILLING	20209998
Time	CumVol	Density	Pressure	TotFlowrate	TotVol			Message	
24 hr clock	bbl	ppg	psi	bpm	bbl				
2:02	64.04	12.36	155.7	4.96	77.76	0	0		
2:03	69.5	12.29	77.84	5.47	83.23	0	0		
2:04	75.12	12.42	169.4	5.73	88.85	0	0		
2:05	80.72	12.1	164.8	5.69	94.45	0	0		
2:06	86.54	12.41	169.4	6.01	100.3	0	0	CONFIDENTIAL	
2:07	92.34	12.29	164.8	5.83	106.1	0	0		
2:09	98.18	12.53	183.2	6.23	111.9	0	0		
2:10	104.	12.53	187.7	5.69	117.8	0	0		
2:11	109.8	12.5	174.	5.79	123.5	0	0		
2:12	115.6	12.7	210.6	5.29	129.3	0	0		
2:13	121.3	12.23	169.4	5.85	135.1	0	0		
2:14	127.4	12.39	169.4	5.67	141.1	0	0		
2:15	133.4	12.13	155.7	5.73	147.2	0	0		
2:16	138.9	12.09	141.9	5.53	152.6	0	0	ORIGINAL	
2:17	144.6	12.31	151.1	5.37	158.3	0	0		
2:18	150.1	12.47	141.9	5.63	163.8	0	0		
2:19	155.2	11.86	82.42	4.58	168.9	0	0		
2:20	160.6	12.55	224.4	6.89	174.4	0	0	KCC	
2:21	167.4	12.43	206.	6.89	181.2	0	0		
2:22	174.	12.2	151.1	5.71	187.7	0	0		
2:23	179.7	12.35	155.7	5.67	193.5	0	0	JUL 19 2001	
2:24	185.3	12.27	141.9	5.23	199.1	0	0		
2:25	191.1	12.4	141.9	5.79	204.8	0	0	CONFIDENTIAL	
2:26	196.7	12.57	132.8	5.69	210.4	0	0		
2:27	202.3	12.36	141.9	5.51	216.	0	0		
2:28	207.9	12.39	151.1	5.49	221.6	0	0		
2:29	207.9	12.39	151.1	5.49	221.6	0	0	[CumVol]=212.6 bbl	
2:29	207.9	12.39	151.1	5.49	221.6	0	0	Reset Volume	
2:29	207.9	12.39	151.1	5.49	221.6	0	0	Can Reset	
2:29	207.9	12.39	151.1	5.49	221.6	0	0	[Vol/Can]=212.4 bbl	
2:29	0.547	13.26	151.1	5.57	226.9	0	0		
2:29	0.547	13.26	151.1	5.57	226.9	0	0	End Lead Slurry	
2:29	0.547	13.26	151.1	5.57	226.9	0	0	Start Mixing Tail Slurry	
2:30	5.79	15.09	256.4	6.05	232.2	0	0		
2:31	11.83	14.78	251.8	6.23	238.2	0	0		
2:32	18.14	14.88	251.8	6.09	244.5	0	0		
2:33	24.39	14.68	238.1	6.45	250.8	0	0		
2:34	30.64	14.9	251.8	6.31	257.	0	0		
2:35	37.04	14.35	251.8	6.33	263.4	0	0		
2:35	37.04	14.35	251.8	6.33	263.4	0	0	Shutdown	
2:35	37.04	14.35	251.8	6.33	263.4	0	0	[CumVol]=38.09 bbl	
2:35	37.04	14.35	251.8	6.33	263.4	0	0	Reset Volume	
2:35	37.04	14.35	251.8	6.33	263.4	0	0	Drop Top Plug	
2:35	37.04	14.35	251.8	6.33	263.4	0	0	Start Displacement	
2:35	37.04	14.35	251.8	6.33	263.4	0	0	Can Reset	
2:35	37.04	14.35	251.8	6.33	263.4	0	0	[Vol/Can]=37.82 bbl	
2:36	0.109	12.	4.58	0.02	264.6	0	0		
2:37	0.115	10.14	0.	0.	264.6	0	0		
2:38	2.69	8.91	128.2	6.39	267.2	0	0		
2:39	9.18	8.36	100.7	6.15	273.7	0	0	JUL 19 2001	
2:40	15.54	8.29	109.9	5.91	280.	0	0		
2:41	21.6	8.26	141.9	5.93	286.1	0	0	CONSERVATION DIVISION	
2:42	27.6	8.3	141.9	5.83	292.1	0	0		
2:43	33.	8.3	178.6	5.29	297.5	0	0		



HALLIBURTON		<b>JOB LOG</b>		TICKET # 1242416	TICKET DATE 04/11/01
REGION NORTH AMERICA LAND		NWA / COUNTRY USA		BDA / STATE KS	COUNTY FINNEY
MBU ID / EMPL # MCLIO103 106304		H.E.S EMPLOYEE NAME T. DAVIS		PSL DEPARTMENT CEMENT	
LOCATION LIBERAL		COMPANY HELMRICH & PAYNE		CUSTOMER REP / PHONE MICK LOVELADY 316-272-1552	
TICKET AMOUNT \$19,570.82		WELL TYPE 01		APL/WT # 5-055-21730-0000	
WELL LOCATION LAND SW GARDEN CITY		DEPARTMENT CEMENT		JOB PURPOSE CODE Cement Production Casing	
LEASE NAME BEDFORD		Well No. "B" #3	SEC / TWP / RNG #	HES FACILITY (CLOSEST TO WELL #) LIBERAL KS	

**CONFIDENTIAL**

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
Davis, T 106304	14						
Miller, A 126452	14						
Archuleta, M 226383	14						
V. BYRAM 159186	2.5						

Chart No.	Time	Rate (BPM)	Volume BBL	Rate			Job Description / Remarks
				N2	CSG	Tbg	
	2100						CALLED OUT FOR JOB
	030						ON LOC RIG L.D. MOUSE HOLE
	0100						RIG UP CASERS
	0200						START 5 1/2 CSG & F.E.
	0400						PUT DV TOOL ON JT # 34 AT 3173FT
	0535						CASING ON BOTTOM HOOK UP 5 1/2 P.C. & CIRC IRON
	0548						BREAK CIRC W/ RIG
	0550						CIRC TO PIT
							1ST STAGE
	0624						THRU CIRC HOOK IRON TO P.T.
	0629						PSI TEST LINES
	0633	4.0	12.0		250		PUMP MUD FLUSH
	0636	6.0	23.5		450		PUMP 100 SX PREM 50/50 AT 14.3#
	0642						SHUT DOWN WASH UP & STUFF PLUG
	0646	6.0	34.0		100		PUMP DISP H2O
	0653	5.5	77.5		100		PUMP DISP MUD
	0703	5.5	111.5		200		100 BBLs IN LIFT CEMENT
	0704	2.0	111.5		150		BBLs IN SLOW RATE
	0709	2.0	111.5		300-1000		LAND PLUG
	0710				1000-0		RELEASE FLOAT-----HELD
	0713						DROP BOMB
	0734				0-700		OPEN DV TOOL
	0740						CIRC W/ RIG 6 HRS
							2ND STAGE
	1310						THRU CIRC HOOK IRON TO P.T.
	1319						PSI TEST LINES
	1323	6.0	12.0		190		PUMP MUDFLUSH
	1335	6.0	114.6		270		PUMP 390 SX PREM PLUS 50/50 AT 13.4# PLUG R&M
	1356						SHUT DOWN DROP PLUG AND WASH UP
	1401	6.0	77.4		170		PUMP DISP
	1411	6.0	77.4		650		60 BBLs IN LIFT CEMENT
	1413	2.0	77.4		650		70 BBLs IN SLOE RATE
	1417	2.0	77.4		700-2000		LAND PLUG-----CLOSE DV TOOL
	1418		77.4		2000-0		RELEASE PSI---TOOL CLOSED
	1430						JOB OVER

**COPY**

**KCC**

JUL 19 2001

**CONFIDENTIAL**

RECEIVED  
KANSAS CORPORATION COMMISSION

JUL 19 2001

CONSERVATION DIVISION

Well		Field				Service Date		Customer		Job Number
Bedford B #3								CHEYENNE DRILLING		20209998
Time	CumVol	Density	Pressure	TotFlowrate	TotVol	Message				
24 hr clock	bbbl	ppg	psi	bpm	bbbl					
2:43	33.	8.3	178.6	5.29	297.5	0	0	Returns at Surface		
2:44	38.59	8.3	187.7	5.73	303.1	0	0			
2:45	44.05	8.3	183.2	5.43	308.5	0	0			
2:46	49.44	8.3	219.8	5.39	313.9	0	0	CONFIDENTIAL		
2:47	54.82	8.3	228.9	5.35	319.3	0	0			
2:48	60.13	8.3	247.3	5.29	324.6	0	0			
2:49	65.43	8.3	256.4	5.21	329.9	0	0			
2:50	70.64	8.3	283.9	5.15	335.1	0	0			
2:51	75.79	8.3	302.2	5.11	340.3	0	0			
2:52	80.86	8.3	334.2	5.	345.3	0	0	ORIGINAL		
2:53	86.34	8.3	370.9	5.39	350.8	0	0			
2:54	91.75	8.3	421.2	5.33	356.2	0	0	KCC		
2:55	97.07	8.3	448.7	5.23	361.5	0	0			
2:56	102.3	8.3	485.3	5.09	366.8	0	0			
2:57	107.4	8.3	508.2	5.03	371.9	0	0	JUL 19 2001		
2:57	107.4	8.3	508.2	5.03	371.9	0	0			
2:58	110.	8.3	453.3	1.92	374.5	0	0	Lower Pump Rate		
2:59	112.	8.3	425.8	1.92	376.5	0	0	CONFIDENTIAL		
3:00	113.9	8.3	453.3	1.9	378.4	0	0			
3:01	115.8	8.3	384.6	1.84	380.2	0	0			
3:02	117.6	8.3	457.9	1.76	382.1	0	0			
3:03	118.3	8.3	393.8	0.	382.8	0	0			
3:04	118.4	8.3	54.95	0.28	382.8	0	0			
3:05	119.6	8.3	425.8	0.	384.1	0	0			
3:06	119.6	8.3	0.	0.	384.1	0	0			
3:06	119.6	8.3	0.	0.	384.1	0	0	End Job		
Post Job Summary										
Average Pump Rates, bpm				Volume of Fluid Injected, bbl						
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
3	0	0	6	250	0	10	0			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
550	550	170	1000	0		0 bbl	0 lb/gal			
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume	78 bbl				
0 %	245 bbl	118 bbl	55 °F	<input type="checkbox"/> Washed Thru Perfs	To	0 ft				
Customer or Authorized Representative			Dowell Supervisor							
Phil Lloyd			Jeffrey Dutton		<input type="checkbox"/> Circulation Lost			<input checked="" type="checkbox"/> Job Completed		

LETTERS TO BE  
KANSAS CORPORATION COMMISSION

JUL 19 2001

CONSERVATION DIVISION

**STATE OF KANSAS - CORPORATION COMMISSION  
PRODUCTION TEST & GOR REPORT**

Conservation Division

Form C-5 Revised

TYPE TEST: Initial		Annual	Workover	Reclassification	TEST DATE: 6-5-01
Company: Helmerich & Payne		Lease: Bedford		Well No.: B3	
County: Finney	Location: 835' FNL & 1303' FWL	Section: Sec 9	Township: T26S	Range: R34W	Acres:
Field: Wildcat	Reservoir: Marmaton	Pipeline Connection: none			
Completion Date: 6-6-01	Type Completion(Describe): Single hole	Plug Back T.D.: 4563'	Packer Set At: none		
Production Method: <u>Pumping</u>		Type Fluid Production: oil & water	API Gravity of Liquid/Oil: 38		
Flowing Casing Size: 5 1/2	Gas Lift Weight: 14 #	I.D.: 5.012	Set At: 4,614'	Perforations: 4467'	To: 4474'
Tubing Size: 2 7/8	Weight: 6.5	I.D.: 2.441	Set At: 4,507'	Perforations:	To:

Pretest:		Duration Hrs.:	
Starting Date:	Time:	Ending Date:	Time:
Test: Starting Date: 6-5-01	Time: 9:00 AM	Ending Date: 6-6-01	Time: 9:00 AM
		Duration Hrs.: 24	

**OIL PRODUCTION OBSERVED DATA**

Producing Wellhead Pressure: 11 psig	Separator Pressure: 30 psig	Choke Size:
Casing: 11 psig	Tubing: 30 psig	

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	300	4382	3	0	60.12	4	9 1/2	96.02		35.90
Test:	210	S/W	2	10 1/2	100.74	3	3	113-88	13.14	

Oil 1.67 water 2.92

**GAS PRODUCTION OBSERVED DATA**

Orifice Meter Connections				Orifice Meter Range			
Pipe Taps:	Flange Taps:	Differential:	Static Pressure:				
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Size	Res. Pressure (hw or (hd))	Diff. Press. (hw or (hd))	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter				JUL 19 2001	KANSAS CORPORATION		
Critical Flow Prover				CONFIDENTIAL			JUL 19 2001
Orifice Well Tester				CONFIDENTIAL			

**GAS FLOW RATE CALCULATIONS (R)**

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psa)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)

Gas Prod. MCFD Flow Rate (R):	Oil Prod. Bbls./Day:	Gas/Oil Ratio (GOR) =	Cubic Ft. per Bbl.
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The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 6 day of June, 192001

For Offset Operator

Verbal Steve Durant  
For State

Michy Lovelady  
For Company