

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: WESTERN GAS RESOURCES

Operator Contact Person: DIANA RICHECKY

Phone (316) 681-0231

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: NONE ON SITE

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:

Operator: Abercrombie Drilling Co.

Well Name: Vogel #1

Comp. Date 6/24/84 Old Total Depth 4440

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

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

API NO. 15- 077-21005 0002

County HARPER

- C - NW - SW Sec. 1 Twp. 33 Rge. 6 X E W

1880 Feet from S (circle one) Line of Section

4620 Feet from E (circle one) Line of Section

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

Lease Name VOGEL OWWO Well # 1

Field Name WETHINGTON

Producing Formation MISSISSIPPI DOLOMITE

Elevation: Ground 1338 KB 1345

Total Depth 4550' PBTD 4392'

Amount of Surface Pipe Set and Cemented at 360

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 REENTRY 27 3-23-98
(Data must be collected from the Reserve Pit)

Chloride content 1445 ppm Fluid volume 165 bbls

Dewatering method used: PIT ALLOWED TO DRY, restore

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-1 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, 1998.

Notary Public Diana L. Richecky

Date Commission Expires April 2, 2000

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

Form ACO-1 (7-91)



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KANSAS CORPORATION COMMISSION

FEB 09 1998

02-09-1998

CONSERVATION DIVISION
WICHITA, KS

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

Sec. 1 Twp. 33S Rge. 6 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: **COMPENSATED NEUTRON DENSITY LOG**
CORRELATION CEMENT BOND LOG

Log Sample
Formation (Top), Depth and Datums
 Name Top Datum

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		8 5/8"		360			
PRODUCTION	7 7/8	4 1/2"	10.5 #	4549	EA-2	100	18% SALT
					50/50 POZ	25	

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	4378'-4384' + 4395'-4400' CIRP@4392	SEE ATTACHED INITIAL COMPLETION REPORT	same
4	4414'-4420'	2500 GALLONS 15% SGA ACID +	4378'-4384'
4	4433'-4434' } NON COMMERCIAL	2500 GAL. GELLED H ₂ O	500 GALLONS 15% DSFE ACID
4	4440'-4443' } CIRP@4430'		4414'-4420'
TUBING RECORD		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Size	Set At	Packer At	
2 3/8"	4339.90'		

500 GALLONS 15% DSFE ACID

Date of First, Resumed Production, SWD or Inj.	Producing Method	Flowing	Pumping	Gas Lift	Other (Explain)	Gravity
11/20/97						
Estimated Production	Oil Bbls.	Gas 125mcfpd	Mcf	Water Bbls.	Gas-Oil Ratio	

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

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled SEE ATTACHED 4378'-4384'
 (If vented, submit ACO-18.) Other (Specify) _____ SHEET _____

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CONSERVATION DIVISION
WICHITA, KS

CUSTOMER COPY



HALLIBURTON ENERGY SERVICES, INC.

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046 Corporate FIN 73-0271280

INVOICE

INVOICE NO.	DATE
219290	08/11/1997

WELL/LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
00EL OWWO 1	HARPER	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB/PURPOSE	TICKET/DATE		
PRATT	DUKE DRILLING #5	SHOWN BELOW	08/11/1997		
ACCT. NO.	CUSTOMER/AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
45989	BRAD SIROKY			COMPANY TRUCK	28473

ORIGINAL

DIRECT CORRESPONDENCE TO:
RECEIVED
 KANSAS CORPORATION COMMISSION
 1102 E. 8TH HAYS KS 67601
 913-625-3431
 FEB 09 1998

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

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					WICHITA, KS
JOB PURPOSE - CEMENT PRODUCTION CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	140 MI		3.20	448.00
		1	UNT		
001-016	CEMENTING CASING	4555 FT		2,038.00	2,038.00
		1	UNT		
018-317	SUPER FLUSH	12	SK	112.00	1,344.00
018-303	CLAYFIX II, PER GAL	2	GAL	30.50	61.00
26	INSERT VALVE P. S. - 4 1/2"	1	EA	314.00	314.00
347.6316					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	52.00	52.00
815.19113					
40	CENTRALIZER 4-1/2 X 7-7/8	5	EA	56.00	280.00
806.60004					
593	3-WIPER L-D PLUG - 4 1/2"	1	EA	175.00	175.00
801.0373					
594	4 1/2" LATCH DOWN BAFFLE	1	EA	110.00	110.00
801.03734					
504-308	CEMENT - STANDARD	100	SK	10.83	1,083.00
504-130	CEMENT - 50/50 POZMIX STANDARD	25	SK	7.69	192.25
507-918	GASSTOP	24	LB	38.60	926.40
507-775	HALAD-322	72	LB	7.70	554.40
509-968	SALT	950	LB	.17	161.50
507-210	FLOCELE	25	LB	1.90	47.50
508-291	GILSONITE BULK	1000	LB	.50	500.00
508-127	CAL SEAL 60	5	SK	28.00	140.00
500-207	BULK SERVICE CHARGE	168	CFT	1.55	260.40
500-306	MILEAGE CHTG MAT DEL OR RETURN	492.52	THI	1.18	581.17
JOB PURPOSE SUBTOTAL					9,268.62

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

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

CUSTOMER COPY



HALLIBURTON

HALLIBURTON ENERGY SERVICES, INC.

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046
Corporate FIN 73-0271280

INVOICE

INVOICE NO.	DATE
219290	08/11/1997

WELL USE	WELL/PROJECT	LOCATION	STATE	OWNER	
	OWWO 1	HARPER	KS	SAME	
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
PRATT	DUKE DRILLING #5	SHOWN BELOW	08/11/1997		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
46949	BRAD SIROKY			COMPANY TRUCK	28473

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
	INVOICE SUBTOTAL				9,268.62
	DISCOUNT-(BID)				2,595.20
	INVOICE BID AMOUNT				6,673.42
	*- KANSAS STATE SALES TAX				184.02
	*- PRATT COUNTY SALES TAX				37.54
	RECEIVED KANSAS CORPORATION COMMISSION FEB 09 1998 CONSERVATION DIVISION WICHITA, KS				
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				6,894.98

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



HALLIBURTON ENERGY SERVICES

HAL-1906-P

CHARGE TO: **OIC PRODUCERS OF KANSAS**
 ADDRESS:
 CITY, STATE, ZIP CODE:

CUSTOMER COPY

TICKET

No.

219290 - 5

PAGE 1 OF 2

1. SERVICE LOCATION TRAK 45	WELL/PROJECT NO. 1	LEASE VOGEL OWN	COUNTY/PARISH HARPER	STATE KS	CITY/OFFSHORE LOCATION	DATE 8-11-97	OWNER SAME
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. #5	SHIPPED AT	DELIVERED TO WELLSITE	ORDER NO.	
3. WELL TYPE 02	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO. API	WELL LOCATION 1-335-6W			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE TOWARD TRIP TRK # 52504	140	MI.			320	44800
001-014		1			PUMP CHARGE	6	HRS.	4555	FT.	2038	203800
018-317		1			SUPER FLUSH	12	SG	(500)	SG	112	134400
018-303		1			CLAXIX II	2	gal.			3050	61000
26 27	847.6314	1			INSECT FLOAT VALVE STAG	1	EA.	4 1/2"		314	31400
40	815.19113	1			AUTO FILL UP ASSM.	1	EA.			52	5200
593	806.0004	1			CENTRALIZERS	5	EA.	4 1/2"		56	28000
594	801.0373	1			LATCH DOWN PLUG	1	EA.	4 1/2"		175	17500
	801.03734	1			LATCH DOWN BATTLE	1	EA.	4 1/2"		110	11000
		1									44466

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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 [Signature]

DATE SIGNED: **8-11-97** TIME SIGNED: **02:30** A.M. P.M.

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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY: <input type="checkbox"/> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE	
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	PAGE TOTAL: 48220
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	FROM CONTINUATION PAGE(S)
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	
	WELL DEPTH	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	SUB-TOTAL: 92686
TREE CONNECTION	TYPE VALVE	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	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): **BRAD SICKY** CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **[Signature]** HALLIBURTON OPERATOR/ENGINEER: **[Signature]** EMP # **50848** HALLIBURTON APPROVAL: **[Signature]**



Halliburton Energy Services ORIGINAL

DATE: 08-10-1997

TIME: 22:43:23

SERVICE TICKET: 219290

PRATT-25555

BULK TICKET ONLY: 100075

JOB PURPOSE: LONG STRING

COMPANY TRUCK: :5621 DRIVER: B. JOHNSON

CUSTOMER: OIL PRODUCERS OF KS INC. LEASE & WELL#: VOGEL OWWO #1

504-308	STANDARD CEMENT	100	SKS.	10.83	1083.00
504-130	^{50/50} POZMIX-A CEMENT	25	SKS.	8.14 7.69	0.00
507-918	GASSTOP	24	LBS.	38.60	926.40
507-775	HALAD-322	72	LBS.	7.70	554.40
509-968	W/W SALT	950	LBS.	0.17	161.50
507-210	FLOCELE	25	LBS.	1.90	47.50
508-291	GILSONITE	1000	LBS.	0.50	500.00
508-127	EA-2	5	SKS.	28.00	140.00

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CONSERVATION DIVISION
WICHITA, KS

500-207	SERVICE CHARGES	168	CU FT	1.55	260.40	
					TOTAL	3865.45
500-306	WEIGHT: 14072	MILES: 70	TON MILES: 492.52	1.18	581.17	
					TOTAL BOOK PRICE OF BULK TICKET:	\$ 4446.62

500-225	RETURN SERVICE CHARGES	_____	CU FT	1.55	_____
500-306	WEIGHT: _____	RETURN MILES: 70	TON MILES: _____	1.18	_____

Gasstop on side



JOB SUMMARY 4239-1

TICKET # **219290** TICKET DATE **8-11-97**

REGION North America	NWA/COUNTRY MID CONTINENT U.S.A.	BDA / STATE KANSAS	COUNTY HASSELL
MBU ID / EMP # 50848	EMPLOYEE NAME MICHAEL R. Bolyard	PSL DEPARTMENT STEAM	
LOCATION PLAT B.	COMPANY OIL HEAD OF B.	CUSTOMER REP / PHONE SEAN SIKOFFY	
TICKET AMOUNT	WELL TYPE 02	API / UWI # 15 077 21005 0002	
WELL LOCATION ANTHONY K. 6E.3E.N.	DEPARTMENT CEMENT	JOB PURPOSE CODE 030	
LEASE / WELL # VOGEL (OWNED) #1	SEC / TWP / RNG 1-33S-6W.		

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
M.R. Bolyard 50848			
C. BAKER			
B. JOHNSON			

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
FD 41278							
UMP 52504							
WELL 5621							

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	8-10-97	8-11-97	8-11-97	8-11-97
TIME	23:00	02:00	02:30	09:30

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe 123644 FLOTT	1	H.E.S.
Centralizers	5	H.E.S.
Bottom Plug BAFFLE	1	H.E.S.
Top Plug LARGE DOWN	1	H.E.S.
Head P.C.	1	H.E.S.
Packer		
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing		10K	4 1/2	0	4555	65
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			7 7/8	0	4555	SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Pertpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				CMT. 10. 4 1/2
				200. 196.
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

TREATED _____ **AVERAGE RATES IN BPM** _____ Overall _____

FEET _____ **CEMENT LEFT IN PIPE** _____ Reason _____

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	25	50/50	25	2% CEC	1.26	14.0
		EA2	100	5% CAL SEAL 18% SALT .75% HALAD 322	1.48	17.9
				10# GILSONITE 1/2# FROCELE		
				LAST 50 SKS w/ .5% GASTOP		

Circulating _____	Displacement _____	Preflush: _____	Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: _____	Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment _____	Gal - BBI _____	Disp: BBI - Gal _____
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr _____	Gal - BBI _____	
		Total Volume _____	Gal - BBI _____	



JOB LOG 4239-5

TICKET #	219 290	TICKET DATE	8-11-97
REGION	North America	BDA / STATE	KANSAS
NWA/COUNTRY	MID CONTINENT U.S.A.	COUNTY	HARPER
MBU ID / EMP #	50848	EMPLOYEE NAME	MICHAEL R. Bolyard
LOCATION	PLATT KS.	PSE DEPARTMENT	ST.M.
TICKET AMOUNT		CUSTOMER REP / PHONE	BLAD. SIKOLY
WELL LOCATION	ANTHONY Fg. 6 E. 3 1/2 N.	API / UWI #	15 077 21005-0002
LEASE / WELL #	VOGEL (owwo) #1	DEPARTMENT	CEMENT
		WELL TYPE	02
		SEC / TWP / RNG	1 - 33S. - 6W
		JOB PURPOSE CODE	035

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
M. Bolyard			
C. SIKOLY			
B. JOTTWON			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS: (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	2300							CALLED OUT
	0400							ON LOCATION SAFETY MEETING
	0230							SET UP EQUIP.
								START CSG. w/ INSERT FLOAT GUIDE SUBG
								LATCH DOWN RAFFLE & 5 CENT CALLECS
								ON COLLARS 1-3-5-8-13 8-11-97
	0540							BLEAR CILL. RIG PUMP.
	0642		0					NEW FLUSTR
								20 BBL 2% CLAYFIX II PRO
								12 BBL SUPER FLUSTR
			35					3 BBL 11% SPACER
			0					MIXING CONT.
	0653		4					PLUG RATHOLE
	0700	5				X 350 AVG.		PUMPING CONT. DOWN CSG
			18.77			MAX 425		ADD CASSEP TO LAST 50 SKS ON FLY
	0710		31.97					FINISHED MIX
								START IN WELL
	0712							FLUSH LINES
								RELEASE PLUG
	0714	8.5	0			400		START DISP.
		4.5	20					
		5.5	40					
	0730	3.5	72.00			800		PLUG DOWN
						1200		DSL UP START PLUG
								RELEASED & HOLD
								WASH UP
								STACK UP
								LOW COMP.
	1000							OFF LOC.

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CONSERVATION DIVISION
WICHITA KS

ORIGINAL

OIL PRODUCERS INC., OF KS.
INITIAL COMPLETION REPORT

WELL - VOGEL #1 OWWO

LEGAL - C-NW/SW OF 1-33s-6w IN HARPER CO. KS.

API# - 15-077-210,050,002

G.L. - 1334'

K.B. - 11' ABOVE G.L. @ 1345'

SURFACE CSN - 8 5/8" @ 360'

RTD - 4550'

LTD - 4545' (ELI 8/10/97)

PROD CSN - 4 1/2", 11.6# @ 4549' WITH 100 SX EA-2

TOP OF CEMENT - 4075' WITH EXCELLENT CEMENT BONDING.

PBTD - 4496' (ELI 9/11/97), CIBP @ 4430', CIBP @ 4392'.

PERES MISS DOLO----4378'-4384' 4/FT. 9/11/97
 MISS DOLO----4395'-4400' 4/FT. 9/11/97 (UNDER TEMPORARY PLUG)
 MISS DOLO----4414'-4420' 4/FT. 9/11/97 (UNDER TEMPORARY PLUG)
 MISS DOLO----4433'-4434' 4/FT. 9/11/97 (UNDER PERMANENT PLUG)
 MISS DOLO----4440'-4443' 4/FT. 9/11/97 (UNDER PERMANENT PLUG)

TUBING RAN - 15' MA, SN, 138 JTS. 2 3/8" TBG (4339.90')

TUBING SET @ - 4364' (SET 28' OFF BOTTOM 9/17/97)

AVER TBG JT. - 31.44'

PUMP RAN - 2" X 1 1/2" X 12' RWTC WITH 6' GAS ANCHOR

RODS RAN - PUMP, 2', 172 - 3/4" NEW RODS, 6' SUB, 1 1/4" X 16' POLISHED ROD.

PUMP SET @ - 4349'

PUMPING UNIT - PARKERSBURG TYPE 15D-C-80, SN-2-5886, RATIO - 22.24:1

ENGINE - FAIRBANKS 346

GAS SEPARATOR - 24" X 6' VERTICAL GAS SEPARATOR, W/MANUAL DUMP.

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ORIGINAL

8/28/97

ELI WIRELINE ON LOCATION TO RUN CORRELATION & SONIC CEMENT BOND LOG.

FOUND TOTAL DEPTH - 4501' (THIS IS 22' HIGH TO TOP INSERT @ 4523')

FOUND TOP OF CEMENT - 4075' WITH EXCELLENT CEMENT BONDING.

9/10/97

COMANCHE WELL SERVICE ON LOCATION, RIGGED UP D-D POLE UNIT. SHUT DOWN FOR THE NIGHT.

9/11/97

SWAB WELL DOWN TO 4000' FROM SURFACE.

ELI WIRELINE ON LOCATION TO PERFORATE PROPOSED INTERVALS IN MISS DOLOMITE USING EXPENDABLE CASING GUNS.

PERFORATED MISS DOLOMITE - 4440'-4443' WITH 4 SHOTS/FT.

PERFORATED MISS DOLOMITE - 4433'-4434' WITH 4 SHOTS/FT.

PERFORATED MISS DOLOMITE - 4414'-4420' WITH 4 SHOTS/FT.

PERFORATED MISS DOLOMITE - 4395'-4400' WITH 4 SHOTS/FT.

PERFORATED MISS DOLOMITE - 4378'-4384' WITH 4 SHOTS/FT.

FOUND TOTAL DEPTH - 4496'

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COMANCHE SWABBED WELL DOWN TO TOTAL DEPTH.

MADE 1 - 1/2 HR. NATURAL SWAB TEST - RECOVERED NO FLUID OR GAS.

HALLIBURTON ON LOCATION WITH SPACED OUT PPI TOOL TO BE USED AS STRADDLE TOOL.

RIH - WITH PPI TOOL & TBG.

ISOLATED LOWER MISS PERFS 4440'-4443'.

RIG UP TBG SWAB. MAKE 1 RUN FROM SEATING NIPPLE. NO RECOVERY.

1 HR. NATURAL TEST 4440'-4443' - RECOVERED NO FLUID OR GAS.

HALLIBURTON ON LOCATION TO ACIDIZE LOWER MISS PERFS 4440'-43' WITH 500 GALS 15% DSFE W/3% CHAMPION DP-104.

ACIDIZE LOWER MISS PERFS 4440'-43' AS FOLLOWS:

PUMP 500 GALS 15% DSFE ACID.

LOAD HOLE WITH FIELD BRINE.

PRESSURE IN INTERVALS TO 1900 psi. BROKE BACK SLOWLY.

INCREASED RATE TO 1 BPM - 600 psi TO VAC. (200 GALS ACID OUT)

COMMUNICATED WITH PERFS 4433'-34'

SHUT DOWN PUMPING OPERATIONS.

RIH - WITH TBG SWAB FOUND FLUID LEVEL @ 2000' FROM SURFACE. SHUT DOWN FOR THE NIGHT.

9/12/97

ISOLATE MISS PERFS 4433'-34' WITH PPI TOOL.

NOTE: - MISS PERFS 4440'-43' AND 4433'-34' ARE COMMUNICATED. WITH PERFS 4433'-34' ISOLATED WE WILL EFFECTIVELY ACIDIZE BOTH INTERVALS BY INJECTING ACID @ 4433'-34'

ORIGINAL

9/12 CONT.

HALLIBURTON ON LOCATION TO ACIDIZE MISS PERFS 4440'-43' AND 4433'-34' WITH 500 GALS 15% DSFE.

ACIDIZE MISS PERFS 4440'-43' AND 4433'-34' AS FOLLOWS:

PUMP 500 GALS 15% DSFE
LOAD HOLE WITH TREATED WATER.
DISPLACED ACID @ 1 BPM - 400 psi.
ISIP - 275 psi, VAC - 5 MINUTES.
TOTAL LOAD - 40 BBLs (BOTH JOBS)

COMANCHE RIGGED TO SWAB BACK ACID LOAD & TEST MISS PERFS 4440'-43' AND 4433'-34'

TEST PERFS 4440'-43' AND 4433'-34' AFTER ACID AS FOLLOWS:

SWAB WELL DOWN, RECOVERED 30 BBLs, NO OIL, SLIGHT SHOW OF GAS.
1/2 HR. TEST - RECOVERED 5 BBLs WATER, NO SHOW OIL, NO SHOW GAS.

NOTE: - IT APPEARS THAT MISS INTERVALS 4440'-43' AND 4433'-34' ARE NONRECEIVED
COMMERCIAL DUE TO HIGH WATER VOLUMES.

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ISOLATE MISS PERFS 4414'-20' WITH TOOLS
SHUT DOWN DUE TO HEAVY RAINS.

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9/15/977

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SITP - 92 psi (PERFS 4414'-20'), SICP - 780 psi (PERFS 4378'-84' AND 4395'-4400').
SWAB TBG DOWN, HAD 400' FLUID IN HOLE. WITH SHOW OF OIL.

HALLIBURTON ON LOCATION TO ACIDIZE MISS PERFS 4414'-20' WITH 500 GALS 15% DSFE ACID.

ACIDIZE MISS PERFS 4414'-20' AS FOLLOWS:

PUMP 500 GALS 15% DSFE
LOAD HOLE W/TREATED WATER.
PRESSURE TO 1200 psi & STARTED FEEDING @ 1/4 BPM - 1200 psi TO 900 psi.
INCREASED RATE TO 1/2 BPM - 600 psi TO 400 psi.
INCREASED RATE TO 1 BPM - 400 psi TO 500 psi.
ISIP - 350 psi, VAC - 5 MINUTES.
TOTAL LOAD - 30 BBLs

SWAB TEST MISS PERFS 4414'-20' AFTER ACID AS FOLLOWS:

SWAB WELL DOWN RECOVERED 32 BBLs, SHOW OF OIL & GAS.
1/2 HR. TEST - RECOVERED 3.5 BBLs, 4% OIL, TEST GAS @ 28 MCFPD.
1/2 HR. TEST - RECOVERED 3.5 BBLs, 4% OIL, TEST GAS @ 28 MCFPD.

NOTE: - MISS PERFS 4414'-20' IS MARGINAL, BUT COULD BE A SMALL CONTRIBUTOR OF GAS AND OIL.

MOVE TOOLS UP & ISOLATE MISS PERFS 4395'-4400'

SWAB MISS PERFS 4395'-4400' NATURAL AS FOLLOWS:

SWAB WELL DOWN. TEST GAS @ 22 MCFPD.
1/2 HR. NATURAL TEST - RECOVERED NO FLUID. TEST GAS @ 22 MCFPD.

HALLIBURTON ON LOCATION TO ACIDIZE MISS PERFS 4395'-4400' WITH 500 GALS 15% DSFE.

ORIGINAL

9/15 CONT.

ACIDIZE MISS PERES 4395'-4400' AS FOLLOWS:

PUMP 500 GALS 15% DSFE ACID.
LOAD HOLE WITH FIELD BRINE.
PRESS TO 1000 psi & STARTED FEEDING @ 1/4 BPM - 1000 psi TO 300 psi.
DISPLACED ACID @ 1 BPM - 350 psi.
ISIP - 200 psi, VAC - 2 MINUTES.
TTL LOAD - 30 BBLs.

SWAB TEST MISS PERES 4395'-4400' AS FOLLOWS:

SWAB WELL DOWN & RECOVERED 36 BBLs. SHOW OF OIL & GAS.
1/2 HR. TEST - RECOVERED 4.5 BBLs, 5% OIL, TEST GAS @ 34 MCFFD.
1/2 HR. TEST - RECOVERED 4.5 BBLs, 5% OIL, TEST GAS @ 34 MCFFD.

NOTE: - MISS PERES 4395'-4400' IS MARGINAL, BUT COULD BE A SMALL CONTRIBUTOR OF OIL & GAS.

MOVE TOOLS UP & ISOLATE MISS PERES 4378'-84'.

HALLIBURTON ON LOCATION TO ACIDIZE MISS PERES 4378'-84' W/500 GALS 15% DSFE ACID.

ACIDIZE MISS PERES 4378'-84' AS FOLLOWS:

PUMP 500 GALS 15% DSFE.
LOAD HOLE W/FIELD BRINE & PRESSURED TO 1200 psi & STARTED FEEDING.
DISPLACED ACID @ 1 BPM - 600 psi
ISIP - 450 psi, 5 MIN SIP - 200 psi
TOTAL LOAD - 30 BBLs.

SWAB TEST MISS PERES 4378'-84' AFTER ACID AS FOLLOWS:

SWAB BACK 14 BBLs, WELL KICKED OFF FLOWING.
FLOW 12 BBLs TO TANK. (TTL RECOVERY 26 BBLs) PUT FLOW LINE TO PIT.
1/2 HR. FLOW TEST - RECOVERED MIST FLUID, TEST GAS @ 5370 MCFFD.
1/2 HR. FLOW TEST - RECOVERED NO FLUID, TEST GAS @ 3220 MCFFD.
SHUT DOWN FOR THE NIGHT.

9/16/97

SITP - 1440 psi (PERFS 4378'-84')
BLEW WELL DOWN TO PIT, TO CONTINUE TESTING.

CONTINUE TESTING PERES 4378'-84' AS FOLLOWS:

1/2 HR. FLOW TEST - RECOVERED LIGHT MIST FLUID, TEST GAS @ 1233 MCFFD.
1/2 HR. FLOW TEST - RECOVERED LIGHT MIST FLUID, TEST GAS @ 893 MCFFD.

HALLIBURTON ON LOCATION, KILLED WELL W/80 BBLs TREATED WATER.
POOH - WITH TBG & TOOLS.

ELI WIRELINE ON LOCATION TO SET BRIDGE PLUGS.

SET CIBP - 4430' (OVER PERFS 4433'-34' AND 4440'-43')

NOTE: THIS PLUG IS PERMANENT. PERFS 4433'-34' AND 4440'-43' ARE NON-COMMERCIAL

SET CIBP - 4392' (OVER PERFS 4395'-4400' AND 4414'-4420')

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ORIGINAL

9/16 CONT.

NOTE: CIBP @ 4392' COULD BE TEMPORARY, PLUG SHOULD BE KNOCKED OUT AT A LATER DATE TO RECOVER APPROX 75 MCFPD AND 15 BTTPH @ APPROX 5% OIL.

COMANCHE SWABBED WELL DOWN TO PBTD 4392'.

HALLIBURTON ON LOCATION TO RE-ACIDIZE MISS PERFS 4378'-84' WITH 2500 GALS 15% SGA ACID AND 2500 GALS 25# GELLED WATER FOR PAD ACID JOB

RE-ACIDIZED MISS PERFS 4378'-84' AS FOLLOWS:

PUMP 500 GALS 15% SGA ACID @ 3 BPM - 0 psi
PUMP 500 GALS GELLED WATER @ 1 BPM - 500 psi TO 1000 psi
PUMP 500 GALS 15% SGA ACID @ 1 BPM - 950 psi
PUMP 500 GALS GELLED WATER @ 1 BPM - 900 psi TO 400 psi.
PUMP 500 GALS 15% SGA ACID @ 1 BPM - 400 psi - 650 psi.
PUMP 500 GALS GELLED WATER @ 1 BPM - 650 psi TO 425 psi.
PUMP 500 GALS 15% SGA ACID @ 1 BPM - 425 psi TO 750 psi.
PUMP 500 GALS GELLED WATER @ 1 1/2 BPM - 750 psi TO 550 psi.
PUMP 500 GALS 15% SGA ACID @ 1 1/2 BPM - 550 psi TO 750 psi.
PUMP 500 GALS GELLED WATER @ 750 psi TO 850 psi.
FLUSH WITH FIELD BRINE. FINAL RATE - 1 1/2 BPM - 900 psi.
ISIP - 875 psi, 5 MIN SIP - 650 psi, 30 MIN SIP - 500 psi.
TOTAL LOAD - 189 BBLs.
SHUT WELL IN FOR THE NIGHT.

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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'
138 JTS. 2 3/8" TUBING	4339.90'
K.B. (11' < 3' ABOVE G.L.)	8.00'
TUBING SET @	4364.00'
SEATING NIPPLE SET @	4349.00'

TAG CIBP @ 4392'. PICK UP & SET TUBING 28' OFF BOTTOM.

COMANCHE RIGGED UP TUBING SWAB & PREPARED TO SWAB BACK ACID LOAD & TEST MISS PERFS 4378'-84' AFTER RE-ACID.

TEST MISS PERFS 4378'-84' AFTER RE-ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 100' DOWN.

SWAB BACK 35.96 BBLs, WELL KICKED OFF FLOWING.

1/2 HR. FLOW - RECOVERED 46.40 BBLs, CSN - VAC, NO OIL.
1/2 HR. FLOW - RECOVERED 19.72 BBLs, CSN - VAC, NO OIL.
1/2 HR. FLOW - RECOVERED 8.12 BBLs, CSN - 140 psi, NO OIL.
1/2 HR. FLOW - RECOVERED 8.12 BBLs, CSN - 300 psi, NO OIL.
1/2 HR. FLOW - RECOVERED 6.96 BBLs, CSN - 400 psi, NO OIL.
1/2 HR. FLOW TO PIT - MEASURE GAS @ 1,146 MCFPD, CSN - 350 psi., NO OIL.
1/2 HR. FLOW TO PIT - MEASURE GAS @ 893 MCFPD, CSN - 270 psi, NO OIL.
1/2 HR. FLOW TO PIT - MEASURE GAS @ 802 MCFPD, CSN - 215 psi, NO OIL.
1/2 HR. FLOW TO PIT - MEASURE GAS @ 771 MCFPD, CSN - 200 psi, NO OIL.
1/2 HR. FLOW TO PIT - MEASURE GAS @ 700 MCFPD, CSN - 180 psi, NO OIL.
1/2 HR. FLOW TO PIT - MEASURE GAS @ 700 MCFPD, CSN - 170 psi, NO OIL.

ORIGINAL

9/17 CONT.

CONTINUE TESTING PERES 4378'-84' AS FOLLOWS:

1/2 HR. FLOW TO PIT - NO FLUID, MEASURE GAS @ 700 MCFPD, CSN - 170 psi.
SHUT WELL IN FOR THE NIGHT.

9/18/97

SITP - 1200 psi, SICP - 1200 psi, SBHP - 1375 psi. (ASSUME NO FLUID)
BLEW WELL DOWN. HALLIBURTON ON LOCATION TO KILL WELL.
DILL WELL WITH TREATED WATER, APPROX 100 BBLs.
RIG TO RUN PUMP & RODS FROM A & W SUPPLY.

RAN PUMP & RODS AS FOLLOWS:

2" X 1 1/2" X 12' RWTC WITH 6' GAS ANCHOR	14.00'
2' X 3/4" ROD SUB	2.00'
172 - 3/4" NEW RODS	4300.00'
6' X 3/4" ROD SUB	6.00'
1 1/4" X 16' POLISHED ROD	<u>16.00'</u>
PUMP SET @	4349.00'

CLAMPED RODS OFF.

COMANCHE RIGGED DOWN & MOVED OFF LOCATION.

WAITING ON GAS LINE CONNECTION FROM WESTERN GAS RESOURCES.
WILL SET PUMPING UNIT, GAS SEPARATOR AND LAY LEAD LINE AND SWD
LINE ASAP.

THIS SHOULD BE A FAIR GAS WELL.

END OF REPORT



BRAD SIROKY

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