

JUN. 12. 2000 8:32AM MULL DRILLING
TO: CHEY WELLS OFC

NO. 119 P. 1

Form G-2
(Rev. 08/98)

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
- Deliverability

(See Instructions on Reverse Side)

Test Date:

API No. 15 - 199-000140001

Company Mull Drilling Company, Inc.			Lease Sexson		Well Number 1
County Wallace	Location NW NE SW	Section 19	TWP 19S	Range (EW) 42W	Acres Atributed
Field Sexson		Reservoir Morrow	Gas Gathering Connection High Plains Gas Gathering, Inc.		
Completion Date 8-12-98		Plug Back Total Depth 5015	Packer Set at		
Casing Size 2.875	Weight 6.5	Internal Diameter 2.441	Set at 5062	Perforations 5006	To 5014
Tubing Size 1.250	Weight 2.3	Internal Diameter 1.380	Set at 4986	Perforations 5006	To 5014
Type Completion (Describe) Gas		Type Fluid Production None	Pump Unit or Traveling Plunger? Yes / No No		
Producing thru (Annulus / Tubing) Producing thru casing tubing		% Carbon Dioxide	% Nitrogen		Gas Gravity - G _g .630
Vertical Depth (M) 5010		Pressure Taps		(Meter Run) (Proven) Size 3.068	
Pressure Buildup: Shut in	4/17 2001	at	11:00	(M) (PM) Taken	4/20 2001
Well on Line: Started	4/21 2001	at	11:00	(AM) (PM) Taken	4/22 2001
					at 11:00

OBSERVED SURFACE DATA

Static / Dynamic Property	Orifice Size (inches)	Circle one: Major or Proven Pressure (psig)	Pressure Differential in (inches H ₂ O)	Flowing Temperature (°F)	Well Head Temperature (°F)	Casing Wellhead Pressure (P _c) or (P _f) or (P _e)		Tubing Wellhead Pressure (P _t) or (P _f) or (P _e)		Duration (hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in	1"	390	Ø	70		Ø	Ø	390		72	Ø
Flow	1"	145	64	54		Ø	Ø	145		24	1661

FLOW STREAM ATTRIBUTES

Plate Coefficient (F ₀) (F ₁) Modd	Circle one: Major or Proven Pressure (psia)	Press Extension $\sqrt{P_a \times H_a}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pr}	Metered Flow R (Modd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
4.912	159.4	101.003	1.260	1.006	1.016	639		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_e)^2 = 163.539$ $(P_w)^2 = 25.408$ $P_e = 15.54\%$ $(P_e - 14.4) + 14.4 = 14.40$ $(P_e)^2 = 0.207$ $(P_w)^2 = .207$

$(P_e)^2 - (P_w)^2$ or $(P_e)^2 - (P_w)^2$	$(P_e)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_e^2 - P_w^2$ 2. $P_e - P_w$ divided by: $P_e^2 - P_w^2$	LOG of formula 1, or 2 and divide by: $P_e^2 - P_w^2$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Analog	Open Flow Deliverability Equals R x Analog Modd
163.332	138.131	1.182	.073	.654	.048	1.116	713

Open Flow **713** Modd @ 14.65 psia Deliverability Modd @ 14.65 psia

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 27th day of April, 2001

Richard Williams
Witness (if any)
KCC District #4 KCC
For Commission

RECEIVED
Smalley
KANSAS CORPORATION COMMISSION
Checked by

APR 30 2001
HAYS, KS

MAY 1 2001
CONSERVATION DIVISION