Company Silver Creek Production Lease & Well No. Achenbach "B" #1

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 9318

Date 2/21/81 Sec. 14 Twp. 35S Range 12W County Barber State Kansas

Test Approved by Gordon W Keen Western Representative Stuart Stover

Formation Test No. 1 Interval Tested from 4845 ft. to 4877 ft. Total Depth 4877 ft.

Packer Depth 4840 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4845 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4850 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 4877 ft. Recorder Number 11019 Cap. 4500

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Reynolds Rig #1 Drill Collar Length 180 I. D. 2¼ in.

Mud Type - Viscosity 50 Weight Pipe Length - I. D. - in.

Weight 8.9 Water Loss 9.2 cc. Drill Pipe Length - I. D. 4.0 in.

Chlorides 23,000 P.P.M. Test Tool Length 27 ft. Tool Size 3½ in.

Jars: Make WTC Serial Number 3660 Anchor Length 32 ft. Size 4½ in.

Did Well Flow? - Reversed Out - Surface Choke Size ½ in. Bottom Choke Size ½ in.

Main Hole Size - in. Tool Joint Size - in.

Blow: Strong. Gas to surface at final opening. See attached sheet for gas measurements.

Recovered 60 ft. of drilling mud - few oil specks

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:40 A.M. P.M. Time Started Off Bottom 6:40 A.M. P.M. Maximum Temperature 123

Initial Hydrostatic Pressure			(A) 2388	P.S.I.		
Initial Flow Period	Minutes 30	(B) 56	P.S.I. to	(C) 40	P.S.I.	
Initial Closed In Period	Minutes 54	(D) 1910	P.S.I.			
Final Flow Period	Minutes 55	(E) 64	P.S.I. to	(F) 28	P.S.I.	
Final Closed In Period	Minutes 69	(G) 1884	P.S.I.			
Final Hydrostatic Pressure			(H) 2366	P.S.I.		

GAS FLOW REPORT

Date 2/21/81 Ticket 9318 Company Silver Creek Production

Well Name and No. Achenbach "B" #1 Dst No. 1 Interval Tested 4845-4877

County Barber State Kansas Sec. 14 Twp. 35S Rg. 12W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
SECOND FLOW						
	10 Min	6.0 PSIG	¼" Orifice			22,900 C.F.P.D.
	20 Min	5.0 PSIG	¼" Orifice			20,800 C.F.P.D.
	30 Min	4.0 PSIG	¼" Orifice			18,500 C.F.P.D.
	40 Min	4.0 PSIG	¼" Orifice			18,500 C.F.P.D.
	50 Min	4.0 PSIG	¼" Orifice			18,500 C.F.P.D.
	60 Min	4.0 PSIG	¼" Orifice			18,500 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 2/21/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Silver Creek Production

Authorized by Gordon W Keen

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 2/21/81 Test Ticket No. 9318

Recorder No. 11018 Capacity 4425 Location 4850 Ft.

Clock No. - Elevation - Well Temperature 123 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2388 P.S.I.	Open Tool	2:40P M	
B	First Initial Flow Pressure	56 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	40 P.S.I.	Initial Closed-in Pressure	60 Mins.	54 Mins.
D	Initial Closed-in Pressure	1910 P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E	Second Initial Flow Pressure	64 P.S.I.	Final Closed-in Pressure	90 Mins.	69 Mins.
F	Second Final Flow Pressure	28 P.S.I.			
G	Final Closed-in Pressure	1884 P.S.I.			
H	Final Hydrostatic Mud	2366 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	56
P 2	5	47
P 3	10	44
P 4	15	42
P 5	20	41
P 6	25	40
P 7	30	40
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
	0	40
	3	580
	6	942
	9	1172
	12	1339
	15	1477
	18	1584
	21	1659
	24	1718
	27	1764
	30	1800
	33	1826
	36	1844
	39	1861
	42	1872
	45	1885
	48	1896
	51	1905
	54	1910

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
	0	64
	5	42
	10	33
	15	29
	20	27
	25	27
	30	27
	35	27
	40	28
	45	28
	50	28
	55	28

Final Shut-In
Breakdown: 23 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
	0	28
	3	580
	6	976
	9	1240
	12	1412
	15	1526
	18	1606
	21	1665
	24	1700
	27	1731
	30	1757
	33	1780
	36	1797
	39	1811
	42	1824
	45	1833
	48	1844
	51	1852
	54	1859
	57	1866
	60	1872
	63	1877
	66	1881
	69	1884

WTC - 4

11018-9318

Jk # 9318

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