

Company Liebl-Schierling Lease & Well No. #1 Alta  
 Elevation - Formation Indian Cove Effective Pay - Ft. Ticket No. 8309  
 Date 12-1-80 Sec. 31 Twp. 29S Range 10W County Kingman State Kansas  
 Test Approved by Eldon J Schierling Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 2624 ft. to 2650 ft. Total Depth 2650 ft.  
 Packer Depth 2619 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 2624 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 2629 ft. Recorder Number 5673 Cap. 5400  
 Bottom Recorder Depth (Outside) 2647 ft. Recorder Number 1565 Cap. 4900  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Union #2 Drill Collar Length 360 I. D. 2.2 in.  
 Mud Type Starch Viscosity 36 Weight Pipe Length - I. D. - in.  
 Weight 9.7 Water Loss 16.8 cc. Drill Pipe Length 2244 I. D. 3.8 in.  
 Chlorides 76,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 26 ft. Size 5 1/2 OD in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong Gas to Surface in ten minutes. See attached sheet for gas measurements.

Recovered 20 ft. of gas cut mud  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Time Set Packer(s) 9:13 ~~AM~~ P.M. Time Started Off Bottom 11:43 ~~AM~~ P.M. Maximum Temperature 101  
 Initial Hydrostatic Pressure ..... (A) 1076 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 33 P.S.I. to (C) 27 P.S.I.  
 Initial Closed In Period ..... Minutes 42 (D) 715 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 43 P.S.I. to (F) 22 P.S.I.  
 Final Closed In Period ..... Minutes 45 (G) 705 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1055 P.S.I.

## GAS FLOW REPORT

Date 12-1-80 Ticket 8309 Company Liebl-Schierling  
 Well Name and No. #1 Alta Dst No. 1 Interval Tested 2624-50  
 County Kingman State Kansas Sec. 31 Twp. 29S Rg. 10W

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
<b>PRE FLOW</b> Gas to Surface 10 Minutes						
	20 Min	11" of water	1" Orifice			85,900 C.F.P.D.
	30 Min	16" of water	1" Orifice			103,000 C.F.P.D.

<b>SECOND FLOW</b>						
	10 Min	10" of water	1¼" Orifice			138,000 C.F.P.D.
	20 Min	10" of water	1¼" Orifice			138,000 C.F.P.D.
	30 Min	10" of water	1¼" Orifice			138,000 C.F.P.D.

### GAS BOTTLE

Serial No. \_\_\_\_\_ Date Bottle Filled \_\_\_\_\_ Date to be Invoiced 12-1-80

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 Liebl-Schierling  
 Authorized by Eldon J. Schierling

# WESTERN TESTING CO., INC.

## Pressure Data

Date 12/1/80 Test Ticket No. 8309  
 Recorder No. 5673 Capacity 5400 Location 2629 Ft.  
 Clock No. --- Elevation --- Well Temperature 101 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1076	P.S.I.	9:13P	M
B First Initial Flow Pressure	33	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	27	P.S.I.	45	Mins. 42 Mins.
D Initial Closed-in Pressure	715	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	43	P.S.I.	45	Mins. 45 Mins.
F Second Final Flow Pressure	22	P.S.I.		
G Final Closed-in Pressure	705	P.S.I.		
H Final Hydrostatic Mud	1055	P.S.I.		

### PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	6		14		6		15	
	of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
	final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 0	33	0	27	0	43	0	22	
P 2 5	24	3	604	5	30	3	579	
P 3 10	22	6	660	10	26	6	630	
P 4 15	23	9	677	15	24	9	651	
P 5 20	24	12	689	20	22	12	666	
P 6 25	25	15	696	25	22	15	674	
P 7 30	27	18	698	30	22	18	683	
P 8		21	702			21	687	
P 9		24	709			24	689	
P10		27	710			27	694	
P11		30	711			30	698	
P12		33	712			33	700	
P13		36	713			36	704	
P14		39	714			39	705	
P15		42	715			42	705	
P16						45	705	
P17								
P18								
P19								
P20								

5673  
DST #1

TKT # 8309  
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