

AUG 31 1977

Contractor Toltek Drlg. Co.  
Rig No. 1  
Spot SW-NE  
Sec. 31  
Twp. 12 N  
Rng. 55 W  
Field Wildcat  
County Logan  
State Colorado  
Elevation 4572' "K.B."  
Formation "J" Sand

Top Choke 1"  
Bottom Choke 9/16"  
Size Hole 7 7/8"  
Size Rat Hole --  
Size & Wt. D. P. 4 1/2" 16.60  
Size Wt. Pipe --  
I. D. of D. C. 2 1/4"  
Length of D. C. 468'  
Total Depth 5914'  
Interval Tested 5879-5896'  
Type of Test Conventional  
Straddle

COLO. OIL & GAS CONS. COMM.

Flow No. 1 15 Min.  
Shut-in No. 1 60 Min.  
Flow No. 2 30 Min.  
Shut-in No. 2 60 Min.  
Flow No. 3 -- Min.  
Shut-in No. 3 -- Min.

Bottom  
Hole Temp. 158°F  
Mud Weight 10.0  
Gravity --  
Viscosity 65

Tool opened @ 4:25 AM.

Inside Recorder

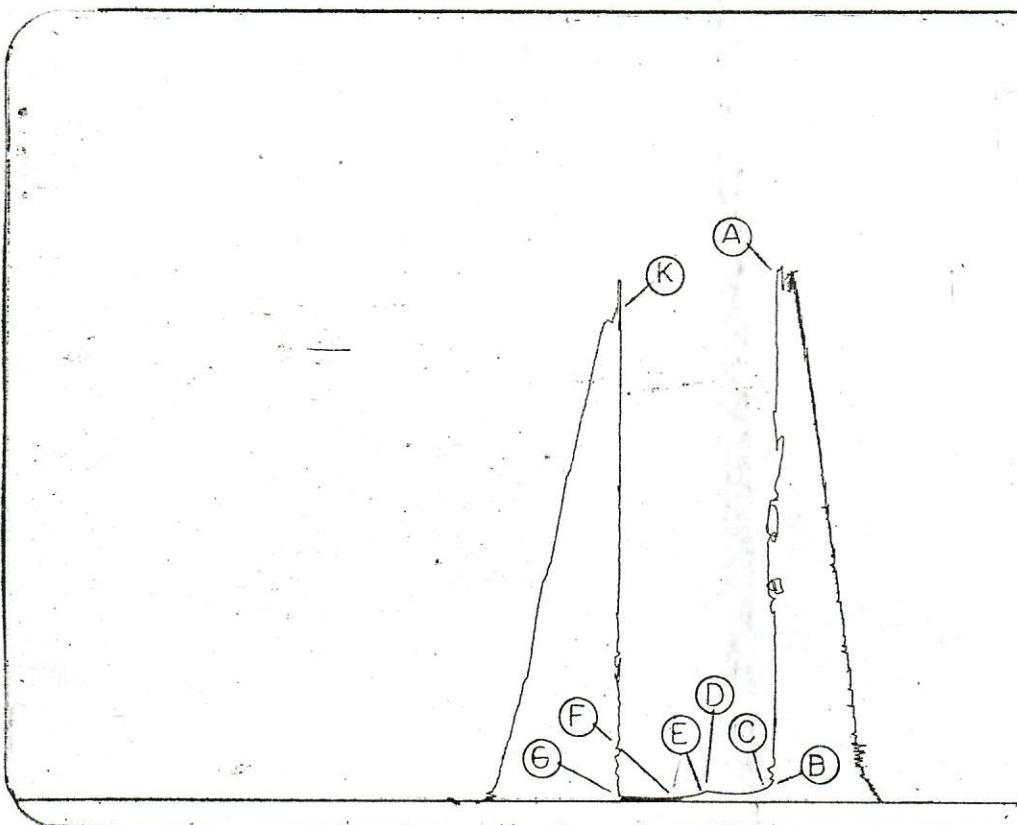
PRD Make Kuster AK-1  
No. 988 Cap. 4700 @ 5866'

Press	Corrected
Initial Hydrostatic A	<u>3121</u>
Final Hydrostatic K	<u>3000</u>
Initial Flow B	<u>86</u>
Final Initial Flow C	<u>76</u>
Initial Shut-in D	<u>61</u>
Second Initial Flow E	<u>45</u>
Second Final Flow F	<u>21</u>
Second Shut-in G	<u>31</u>
Third Initial Flow H	<u>--</u>
Third Final Flow I	<u>--</u>
Third Shut-in J	<u>--</u>

Lynes Dist.: Sterling, Co.

Our Tester: Duane Custer

Witnessed By: Virg Balke



Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE: 1' Mud

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1st Flow - Tool opened with a very weak blow, increased to a 1" underwater blow. Began to decrease after 8 minutes thru remainder of flow period.

2nd Flow - Tool opened with no blow and remained thru flow period.

REMARKS:

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Breakdown of shut-in pressures not practical for Horner Extrapolations.  
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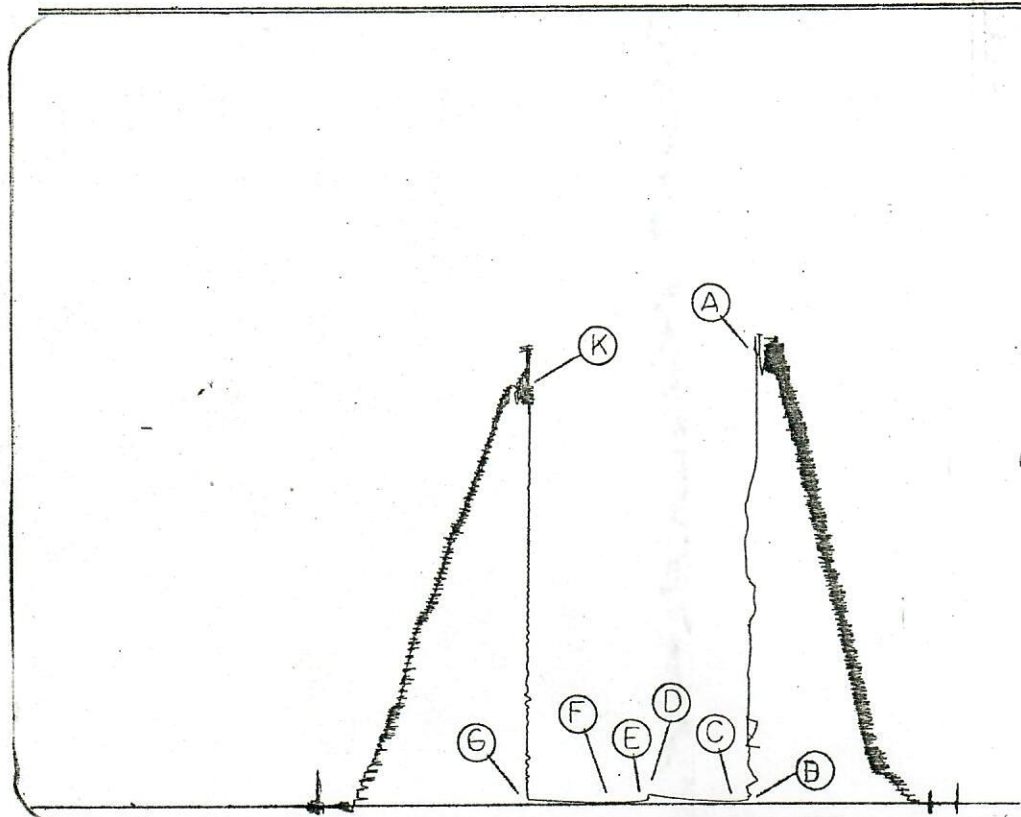
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# LYNES, INC.

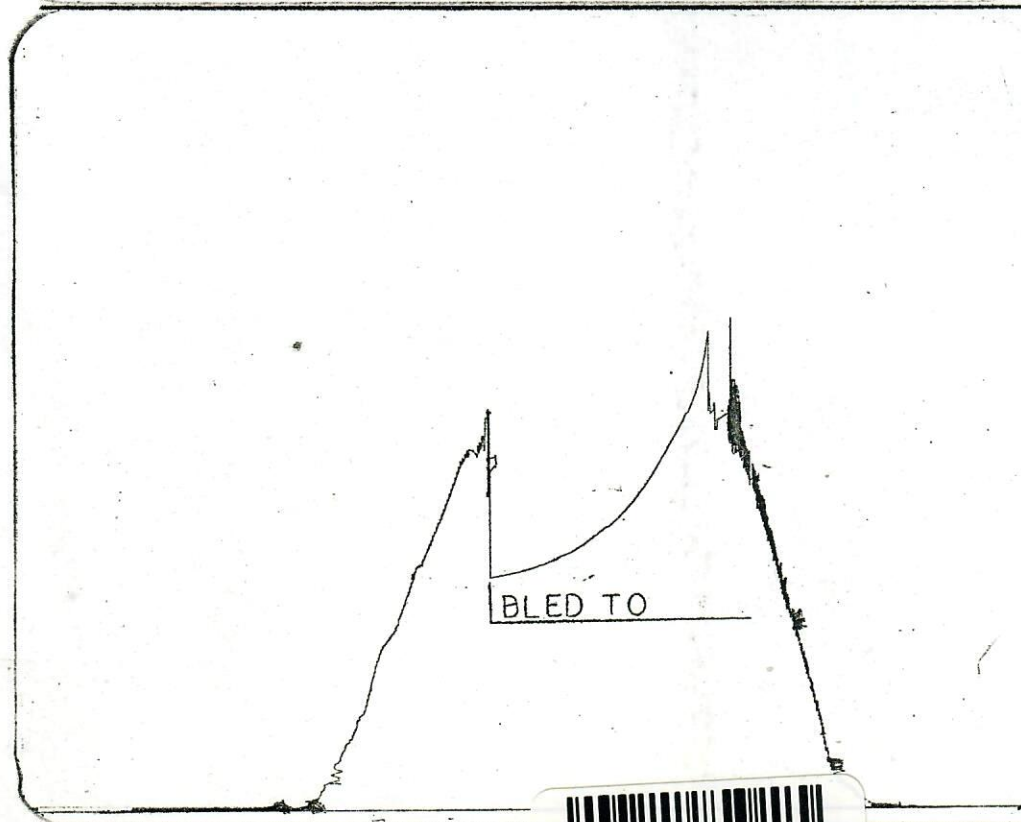
Operator Freeman Oil Co.

Lease & No. Baschen #1

DST No. 1



Inside Recorder		
PRD Make	Kuster AK-1	
No. 1819	Cap. 5500	@ 5885'
Press		Corrected
Initial Hydrostatic	A	3111
Final Hydrostatic	K	3010
Initial Flow	B	26
Final Initial Flow	C	19
Initial Shut-in	D	67
Second Initial Flow	E	26
Second Final Flow	F	13
Second Shut-in	G	37
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Pressure Below Bottom Packer Bled To		



Outside Recorder		
PRD Make	Kuster AK-1	
No. 5194	Cap. 6400	@ 5907'
Press		Corrected
Initial Hydrostatic	A	
Final Hydrostatic	K	
Initial Flow	B	
Final Initial Flow	C	
Initial Shut-in	D	
Second Initial Flow	E	
Second Final Flow	F	
Second Shut-in	G	
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	
Pressure Below Bottom Packer Bled To		
		1912





# LYNES, INC.

## Fluid Sample Report

Date 8-26-77 Ticket No. 4853  
Company Freeman Oil Co.  
Well Name & No. Baschen #1 DST No. 1  
County Logan State Colorado  
Sampler No. 22 Test Interval 5879-5896'

Pressure in Sampler 0 PSIG BHT 158 OF

Total Volume of Sampler: 2150 cc.

Total Volume of Sample: 100 cc.

Oil: None cc.

Water: None cc.

Mud: 100 cc.

Gas: None cu. ft.

Other: None

R.W. 4.0 @ 90°F = 1025 ppm. chl.

### Resistivity

Water: \_\_\_\_\_ @ \_\_\_\_\_ of Chloride Content \_\_\_\_\_ ppm.

Mud Pit Sample 4.0 @ 90°F of Chloride Content 1025 ppm.

Gas/Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ OF

Where was sample drained \_\_\_\_\_

Remarks: Rig Water - R.W. 10.0 @ 95°F = 400 ppm. chl.



DATA SHEET

WELL: Freeman Oil & Toltek Drilling #1 Baschen

LOCATION: SW NE Section 31, T. 12 N., R. 55 W.  
Logan County, Colorado

ELEVATION: 4571' G.L.; 4580' K. B.

COMMENCED: August 20, 1977

COMPLETED: August 28, 1977

TOTAL DEPTH: 6240' Driller; 6246' Logger

CONTRACTOR: Toltek Drilling Co., Rig #1

CASING: 5 jts-8 5/8" surf csg (205'), set @ 217' K.B., w/160 sx cmt

CORES: None

TESTS: DST #1, 5885-5903' (corrected to E log)

LOGS: Dresser-Atlas Induction-Electrolog and Compensated Densilog

STATUS: ✓ Dry and abandoned on August 28, 1977. Filled hole with heavy mud. Placed 20 sacks cement at base of surface pipe and 10 sacks at top of surface pipe, as per verbal instructions from Colorado Oil and Gas Commission.

GEOLOGIST: Virg Balke



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DRILLSTEM TEST

DST #1, 5885-5903' (corrected to E log)

Pre-flow 15", ISI 60", Open 30" and FSI 60"

On pre-flow the tool opened with a very weak blow which began to decrease after 8 minutes. On final open the tool opened with no blow and continued thruout test. Recovered 1' drilling mud. Pre-flow 90-64# Open 39-39#  
ISIP 90# FSIP 51# IHP 3695# FHP 3510#

Bottom hole sampler recovered 100 cc of drilling mud.

SAMPLE DESCRIPTION

5750-5782	Sh: m. gy., sft., sly slty.
5782-5816	Ss: wh., f.g. qtz., s. rdd., poor p&p., well-cmted., no st., no fluor.
5816-5866	Sh: m. gy., sft.-hd., brt., slty.
5866-5889	Sltst: m. gy.
5889-5906	Ss: wh., f.g. qtz., s. rdd., poor p & p., mic., sl. sp. st., f. blue fluor.
5906-5918	Sh: m. gy., hd., brt., sly. slty.
5918-5968	Ss: wh., f.g. qtz., s. ang.-s. rdd., mic., glauco., no st., no fluor.
5968-5982	Sltst: lt. gy., tr. mic. & glauco.
5982-6019	Sh: m. gy., hd., brt.-comp., slty.
6019-6040	Sltst: m. gy.
6040-6164	Sh: m. gy., hd., brt.-comp., sly. slty.
6164-6174	Sltst: m. gy.
6174-6188	Sh: m. gy., hd., brt.-comp., sly. slty.
6188-6195	Ss: wh., f.g. qtz., s. rdd., well-cmted., no st., no fluor.
6195-6230	Sh: m. gy., hd., comp., slty.
6230-6246	Sh: brnh. gy., hd., comp.

  
Virgil E. Balke



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FORMATION TOPS

<u>Formation</u>	<u>Log Tops</u>	<u>Datum K.B.</u>
Niobrara	4956'	-376
Ft. Hays	5224'	-644
Greenhorn	5510'	-930
Bentonite	5676'	-1096
"D" Sand	5782'	-1202
"J" Sand	5889'	-1309
"O" Sand	6188'	-1608
Morrison	6230'	-1650

BIT RECORD

<u>No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>From</u>	<u>To</u>	<u>Feet</u>	<u>Hrs</u>
1	7 7/8	Reed	Y 11 J	245	3690	3445	27½
2	7 7/8	Hughes	OSC3J	3690	5066	1376	25 3/4
3	7 7/8	Smith	DTJ	5066	5786	720	21½
4	7 7/8	Reed	Y 21 J	5786	5914	128	15 3/4
5	7 7/8	Security Button		5914	6001	87	8
6	7 7/8	Reed	Y 13 J	6001	6207	206	17¼
7	7 7/8	Smith	DTJ	6207	6240	33	2 3/4

HOLE DEVIATION

<u>Depth</u>	<u>Deviation</u>
1925'	0°
2203'	¼°
2451'	3/4°
2724'	1°
2950'	1°
3200'	¼°
3400'	¼°
3630'	2°
3940'	2°

<u>Depth</u>	<u>Deviation</u>
4150'	2°
4400'	2°
4660'	1°
5060'	0°
5288'	¼°
5760'	0°
5914'	3/4°
6207'	2°



DAILY DRILLING REPORT: (7:00 a.m.)

August 21. Drilling @ 1707'. Spud @ 12:30 p.m. on the 20th. Ran 5 jts of 8 5/8" (205'), set @ 217' K.B., w/160 sx cmt, 2.4% CaCl & 1/4" flo seal. Plug down @ 6:00 p.m. on the 20th. Drld plug @ 10:00 p.m.

August 22 Drlg @ 3661'

August 23 Drlg @ 4532'

August 24 Drlg @ 5300'

August 25 Drlg @ 5815'

August 26 T. D. 5914'. Rng DST #1, 5879-96'

August 27 Drlg @ 6071'

August 28 T. D. 6240' Prep to log



# LYNES, INC.

## Distribution of Final Reports

Operator Freeman Oil Co.

Well Name and No. Baschem #1

Original: Phil Freeman, 1645 Court Place, Suite 319, Denver, Colorado 80202

1 copy: Toltek Drilling Co., Attn: Dick Gasch, 340 Denver Club Bldg., Denver, Colorado  
80202

1 copy: Wes-Tex Drlg. Co., Attn: Robert B. Cockrell, Box 2895, Abilene, Texas 79604

1 copy: Colorado Oil & Gas Comm., 1313 Sherman St., Suite 721, Denver, Colorado 80203

1 copy: Virg Balke, Box 144, Broomfield, Colorado 80020



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