



Ilus Industries, Inc.
Executive Building Suite 128
4121 W. 83rd St.
Prairie Village, Kansas 66208

RE: Alden #2
SE SE SE
30 - T15S - R8W
Ellsworth County, Kansas

Submitted herewith is the geological report concerning the above captioned well.

Rotary Commenced: 8-30-78
Rotary Complete: 9-4-78
Contractor: Emphasis Rig #4
Casing Surface: 8 5/8 @237' with 150 sx
Production: 4 1/2 to 2666' with 175 sx
Drill Time: 2300' to T.D.
Samples: 2400' to T.D.
DST's: Western Testing
Log: None
Mud: MudCo

Geological formation tops:

Elevations:	1621 KB	1618 DF	1616GL
Heebner	2444	-823 KB	
Br. Lime	2553	-932 KB	
Lansing	2568	-947 KB	
R.T.D.	2672		

Zones of Interest:

Douglas Sand: 2490 to 2497

Sand, very fine grained, light gray, micaceous, silty
well cemented. no show no fluorescence

DST #3 2471-2504 Straddle Test

30-45-30-45 IFP Strong Blow

Recovery: 310' Total 70' Drilling Mud, 240' Watery
Mud

MISRUN: Recorders failed

Zone Barren

Lansing "C" Zone: 2602'

Limestone, fine crystalline, dense, fossiliferous
trace oolitic casts, poor porosity.

DST #1

2591 to 2617

30-45-45-60 GTS 12" TSTM

Recovery: 200' Slightly Gassy Drilling Mud

BHP 625-575#

IFP 101-111#

FFP 101-111#

BHT 105#

Zone is non-produceable.

Lansing "E" Zone: 2658 to 2669

2658 to 2666: Limestone tan fine to medium crystalline
fossiliferous, dense

2666 to 2669: Limestone tan fine to medium crystalline
fossiliferous, oolitic, good porosity
strong odor, trace fluorescence, no
show free oil.

DST #2

2646 to 2672

30-60-30-60 GTS 3" in 10" gauged 1.2mmcf

20" gauged 749 mcf

Stabilized at 749 throughout flow period

Recovery: 183' Gassy Drilling Mud

122' Gassy Watery Drilling Mud (10% water)

DST #2 cont

BHP 922-912#
IFP 222-202#
FFP 222-232#
BHT 110*

Conclusion:

The "E" Zone should make a commercial gas well. In the Alden #1 C SESE 30-15-8W the "E" zone was encountered three feet lower and was chalky and impermeable; in the Huseman #1 C NE SE 30-15-8W the Lansing "E" came in flat to the Alden #2 and is an oil producer.

The Lansing "C" zone produced gas in the Alden #1. In this test the "C" zone had a slight show of gas but failed to develop a good porosity section. This zone also contained gas in the Huseman #1.

Yours truly

Chris Dilts

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 Alden #2
 SE SE SE 30-15S-8W
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DRILL TIME

One Foot Time:

2300 - 2310	2-2-1-1-1-1-1-1-1-1
2310 - 2320	2-1-2-2-1-1-1-1-1-2
2320 - 2330	<u>2-2-2-2-2-2-2-2-3-2</u>
2330 - 2340	<u>3-2-2-3-2-3-3-2-2-3</u>
2340 - 2350	2-2-3-2-3-3-2-3-2-3
2350 - 2360	2-2-3-3-3-3-2-3-3-3
2360 - 2370	3-1-1-2-3-3-2-3-3-3
2370 - 2380	5-3-3-3-4-3-3-1-3-2
2380 - 2390	1-3-3-2-3-2-3-2-2-2
2390 - 2400	3-2-3-3-2-3-2-3-2-2
2400 - 2410	3-3-3-3-2-2-3-2-3-2
2410 - 2420	3-3-2-3-3-3-3-2-3-3
2420 - 2430	4-3-3-3-3-3-3-3-4
2430 - 2440	3-4-3-4-3-4-4-3-4-4
2440 - 2450	3-3-3-2-1-1-2-4-4-4
2450 - 2460	3-2-2-3-3-3-3-2-3-3
2460 - 2470	3-3-3-3-3-2-4-3-6-3
2470 - 2480	5-5-2-2-2-2-1-2-2-2
2480 - 2490	2-1-2-2-2-1-2-1-2-1
2490 - 2500	1-1-1-1-1-1-1-2-2-1
2500 - 2510	2-3-2-1-1-2-2-2-3-2
2510 - 2520	2-2-1-2-2-1-2-1-2-2
2520 - 2530	1-2-1-2-2-1-2-2-2-1
2530 - 2540	2-3-1-2- -2-2-1-2-2
2540 - 2550	2-2-1-2-2-3-3-4-2-2
2550 - 2560	1-1-2-4-4-4-3-3-3-2
2560 - 2570	3-2-3-3-2-3-2-3-3-3
2570 - 2580	4-4-3-3-3-4-4-3-3-2
2580 - 2590	1-2-2-1-2-2-4-4-4-4
2590 - 2600	4-4-3-3-2-2-4-2-2-4
2600 - 2610	1-3-3-3-2-1-2-2-3-2
2610 - 2620	2-2-4-3-4-5-4-2-4-3
2620 - 2630	3-4-4-6-5-3-3-3-2-3
2630 - 2640	4-3-4-4-4-4-3-3-3-3
2640 - 2650	3-3-4-6-5-5-4-4-4-4
2650 - 2660	3-3-2-2-3- <u>2-3-3-4-4</u>
2660 - 2670	4-4-5-5-5-4-1-1-1-2
2670	3-1