Company Wiley R. Ash, Sr. Lease & Well No. Chinn #1

Elevation --- Formation Lansing Effective Pay -- Ft. Ticket No. 14812

Date 3/ 3 /82 Sec. 25 Twp. 28S Range 14W County Pratt State Kansas

Test Approved by Bruce R. Ard Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 4082 ft. to 4090 ft. Total Depth 4090 ft.

Packer Depth 4077 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4082 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4085 ft. Recorder Number 1565 Cap. 4900

Bottom Recorder Depth (Outside) 4088 ft. Recorder Number 1560 Cap. 4500

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

Drilling Contractor Landmark Drlg. Rig #1 Drill Collar Length 300 I. D. 2.2 in.

Mud Type salt-gel Viscosity 41 Weight Pipe Length - I. D. - in.

Weight 9.3 Water Loss 12.4 cc. Drill Pipe Length 3753 I. D. 3.8 in.

Chlorides 25,000 P.P.M. Test Tool Length 29 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 405 Anchor Length 8 ft. Size 5½OD 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 4½FH in.

Blow: Fair building to strong on initial flow period. Fair through final flow period.

Recovered 300 ft. of gas in pipe

Recovered 60 ft. of mud - few oil specks

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:45 ~~A.M.~~ P.M. Time Started Off Bottom 4:45 A.M. P.M. Maximum Temperature 116°

Initial Hydrostatic Pressure ..... (A) 2135 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 29 P.S.I. to (C) 29 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 84 P.S.I.

Final Flow Period ..... Minutes 120 (E) 31 P.S.I. to (F) 37 P.S.I.

Final Closed In Period ..... Minutes 99 (G) 136 P.S.I.

Final Hydrostatic Pressure ..... (H) 2123 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 3/3/82 Test Ticket No. 14812

Recorder No. 1565 Capacity 4900 Location 4085 Ft.

Clock No. -- Elevation --- Well Temperature 116 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	2135	P.S.I.	Open Tool	11:45P	M		
B	First Initial Flow Pressure	29	P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	29	P.S.I.	Initial Closed-in Pressure	60	Mins.	60	Mins.
D	Initial Closed-in Pressure	84	P.S.I.	Second Flow Pressure	120	Mins.	120	Mins.
E	Second Initial Flow Pressure	31	P.S.I.	Final Closed-in Pressure	90	Mins.	99	Mins.
F	Second Final Flow Pressure	37	P.S.I.					
G	Final Closed-in Pressure	136	P.S.I.					
H	Final Hydrostatic Mud	2123	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	29
P 2	5	29
P 3	10	29
P 4	15	29
P 5	20	29
P 6	25	29
P 7	30	29
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	29
3	30
6	32
9	33
12	35
15	39
18	40
21	42
24	46
27	50
30	52
33	54
36	57
39	61
42	64
45	68
48	72
51	75
54	79
57	83
60	84

Second Flow Pressure
Breakdown: 24 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	31
5	31
10	31
15	31
20	31
25	33
30	35
35	35
40	36
45	36
50	36
55	36
60	36
65	36
70	36
75	36
80	36
85	36
90	36
95	36
100	36

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Final Shut-In
Breakdown: 33 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	37
3	38
6	39
9	40
12	42
15	44
18	46
21	68
24	52
27	55
30	58
33	61
36	64
39	67
42	70
45	73
48	76
51	79
54	82
57	85
60	87

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WESTERN TESTING CO., INC.

Pressure Data

Date 3/3/82 Test Ticket No. 14812

Recorder No. 1565 Capacity 4900 Location 4085 Ft.

Clock No. -- Elevation --- Well Temperature 116 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	2135	P.S.I.	Open Tool	11:45P	M		
B	First Initial Flow Pressure	29	P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	29	P.S.I.	Initial Closed-in Pressure	60	Mins.	60	Mins.
D	Initial Closed-in Pressure	84	P.S.I.	Second Flow Pressure	120	Mins.	120	Mins.
E	Second Initial Flow Pressure	31	P.S.I.	Final Closed-in Pressure	90	Mins.	99	Mins.
F	Second Final Flow Pressure	37	P.S.I.					
G	Final Closed-in Pressure	136	P.S.I.					
H	Final Hydrostatic Mud	2123	P.S.I.					

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 33 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				105	37	63	90
P 2				110	37	66	93
P 3				115	37	69	96
P 4				120	37	72	99
P 5						75	101
P 6						78	104
P 7						81	108
P 8						84	112
P 9						87	116
P10						90	124
P11						93	129
P12						96	133
P13						99	136
P14							
P15							
P16							
P17							
P18							
P19							
P20							

1563
DST 4

JK # 14812

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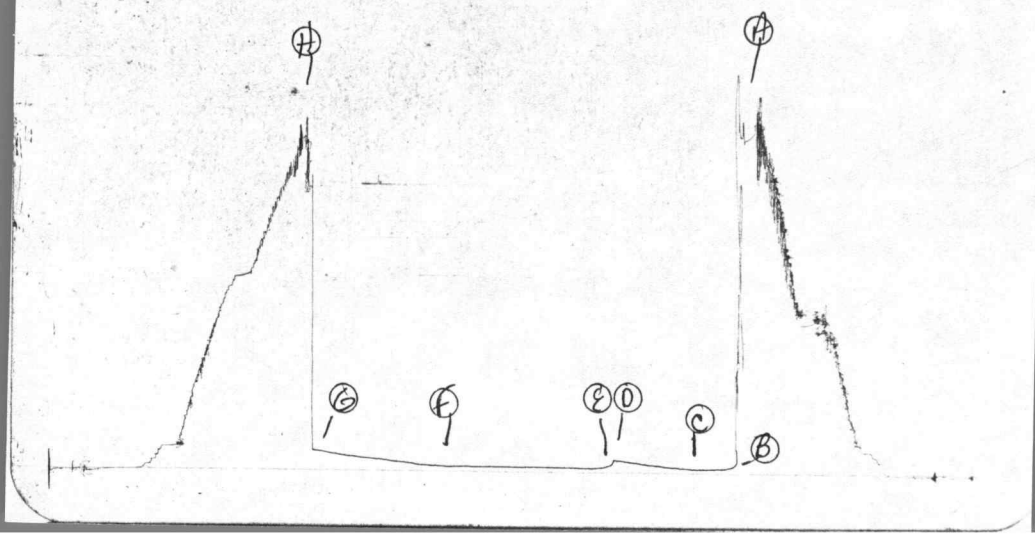

Company Wiley R. Ash, Sr. Lease & Well No. Chinn #1

Elevation --- Formation Simpson Effective Pay - Ft. Ticket No. 14814

Date 3/8/82 Sec. 25 Twp. 28S Range 14W County Pratt State Kansas

Test Approved by Bruce B. Ard Western Representative Jeff Piotrowski

Formation Test No. 3 Interval Tested from 4538 ft. to 4552 ft. Total Depth 4552 ft.

Packer Depth 4533 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4538 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4541 ft. Recorder Number 1565 Cap. 4900

Bottom Recorder Depth (Outside) 4544 ft. Recorder Number 1560 Cap. 4500

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

Drilling Contractor Landmark Drlg. Rig #1 Drill Collar Length 300 I. D. 2.2 in.

Mud Type starch Viscosity 38 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 10.2 cc. Drill Pipe Length 4209 I. D. 3.8 in.

Chlorides 33,000 P.P.M. Test Tool Length 29 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 405 Anchor Length 14 ft. Size 5½OD 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 4½XH in.

Blow: Weak; died in fifteen minutes on intial flow period. Few bubbles on final flow period.

Recovered 30 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:05 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 6:05 ~~A.M.~~ ~~P.M.~~ Maximum Temperature 123°

Initial Hydrostatic Pressure			(A) 2374	P.S.I.		
Initial Flow Period	Minutes 30	(B) 14	P.S.I. to	(C) 17	P.S.I.	
Initial Closed In Period	Minutes 30	(D) 1022	P.S.I.			
Final Flow Period	Minutes 30	(E) 32	P.S.I. to	(F) 32	P.S.I.	
Final Closed In Period	Minutes 30	(G) 995	P.S.I.			
Final Hydrostatic Pressure			(H) 2359	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 3/8/82 Test Ticket No. 14814

Recorder No. 1565 Capacity 4900 Location 4341 Ft.

Clock No. -- Elevation - Well Temperature 123 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2374 P.S.I.	Open Tool		4:05A M	
B	First Initial Flow Pressure	14 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	17 P.S.I.	Initial Closed-in Pressure		30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1022 P.S.I.	Second Flow Pressure		30 Mins.	30 Mins.
E	Second Initial Flow Pressure	32 P.S.I.	Final Closed-in Pressure		30 Mins.	30 Mins.
F	Second Final Flow Pressure	32 P.S.I.				
G	Final Closed-in Pressure	995 P.S.I.				
H	Final Hydrostatic Mud	2359 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	14
P 2	5	15
P 3	10	15
P 4	15	15
P 5	20	16
P 6	25	17
P 7	30	17
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In

Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	17
	3	17
	6	39
	9	193
	12	584
	15	814
	18	920
	21	973
	24	1000
	27	1015
	30	1022

Second Flow Pressure

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

Point	Minutes	Press.
	0	32
	5	32
	10	32
	15	32
	20	32
	25	32
	30	32

Final Shut-In

Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	32
	3	33
	6	44
	9	104
	12	304
	15	617
	18	800
	21	894
	24	946
	27	976
	30	995

1565
DST #3

SK# #14814

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