Company Vincent Oil Corporation — Lease & Well No. Stewart #1

Elevation 1246 Kelly Bushing — Formation Kansas City — Effective Pay - Ft. — Ticket No. 14109

Date 5/3/82 — Sec. 19 — Twp. 33S — Range 3W — County Sumner — State Kansas

Test Approved by M. M. Armstrong — Western Representative Allen Edgington

Formation Test No. 1 — Interval Tested from 3659 ft. to 3672 ft. — Total Depth 3672 ft.

Packer Depth 3654 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3659 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3665 ft. — Recorder Number 3354 — Cap. 4200

Bottom Recorder Depth (Outside) 3668 ft. — Recorder Number 5666 — Cap. 3950

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

Drilling Contractor H-30 Drlg. Rig #5 — Drill Collar Length 250 — I. D. 2¼ in.

Mud Type starch — Viscosity 53 — Weight Pipe Length - — I. D. - in.

Weight 8.8 — Water Loss - cc. — Drill Pipe Length 3401 — I. D. 3.8 in.

Chlorides 11,000 P.P.M. — Test Tool Length 28 ft. — Tool Size 4½ in.

Jars: Make WTC — Serial Number 407 — Anchor Length 13 ft. — Size 4½ 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: Strong blow throughout test.

Recovered 1200 ft. of gas in pipe

Recovered 45 ft. of oil cut mud (gas cut) 50% oil

Recovered 30 ft. of heavy oil cut mud (gas cut) 70% oil

Recovered 30 ft. of oil (gas cut)

Recovered ft. of

Remarks:

Time Set Packer(s) 4:30 ~~A.M.~~ ~~P.M.~~ — Time Started Off Bottom 8:15 ~~A.M.~~ ~~P.M.~~ — Maximum Temperature 114°

Initial Hydrostatic Pressure			(A)	1751	P.S.I.	
Initial Flow Period	Minutes 30	(B)	41	P.S.I. to (C)	43	P.S.I.
Initial Closed In Period	Minutes 60	(D)	1412	P.S.I.		
Final Flow Period	Minutes 45	(E)	55	P.S.I. to (F)	60	P.S.I.
Final Closed In Period	Minutes 90	(G)	1460	P.S.I.		
Final Hydrostatic Pressure		(H)	1751	P.S.I.		

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 5/3/82 Test Ticket No. 14109

Recorder No. 5666 Capacity 3950 Location 3668 Ft.

Clock No. -- Elevation 1246 Kelly Bushing Well Temperature 114 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	1751 P.S.I.	Open Tool		4:30A M	
B First Initial Flow Pressure	41 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C First Final Flow Pressure	43 P.S.I.	Initial Closed-in Pressure		60 Mins.	60 Mins.
D Initial Closed-in Pressure	1412 P.S.I.	Second Flow Pressure		45 Mins.	45 Mins.
E Second Initial Flow Pressure	55 P.S.I.	Final Closed-in Pressure		90 Mins.	90 Mins.
F Second Final Flow Pressure	60 P.S.I.				
G Final Closed-in Pressure	1460 P.S.I.				
H Final Hydrostatic Mud	1751 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	41
P 2 5	41
P 3 10	41
P 4 15	41
P 5 20	41
P 6 25	42
P 7 30	43
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	43
3	45
6	102
9	169
12	239
15	304
18	386
21	471
24	566
27	655
30	765
33	875
36	988
39	1096
42	1181
45	1249
48	1301
51	1347
54	1373
57	1396
60	1412

Second Flow Pressure

Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	55
5	55
10	55
15	55
20	55
25	55
30	56
35	57
40	58
45	60

Final Shut-In

Breakdown: 30 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	60
3	112
6	186
9	263
12	339
15	422
18	530
21	651
24	777
27	900
30	1028
33	1122
36	1203
39	1269
42	1311
45	1341
48	1363
51	1382
54	1396
57	1406
60	1416

CONTINUED NEXT PAGE

WESTERN TESTING CO., INC.
Pressure Data

Date 5/3/82 Test Ticket No. 14109

Recorder No. 5666 Capacity 3950 Location 3668 Ft.

Clock No. -- Elevation 1246 Kelly Bushing Well Temperature 114 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1751 P.S.I.	Open Tool		4:30A M	
B	First Initial Flow Pressure	41 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	43 P.S.I.	Initial Closed-in Pressure		60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1412 P.S.I.	Second Flow Pressure		45 Mins.	45 Mins.
E	Second Initial Flow Pressure	55 P.S.I.	Final Closed-in Pressure		90 Mins.	90 Mins.
F	Second Final Flow Pressure	60 P.S.I.				
G	Final Closed-in Pressure	1460 P.S.I.				
H	Final Hydrostatic Mud	1751 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	
P 2	
P 3	
P 4	
P 5	
P 6	
P 7	
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.

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
63	1426
66	1432
69	1436
72	1440
75	1444
78	1448
81	1452
84	1454
87	1458
90	1460

WTC - 4

Company Vincent Oil Corporation — Lease & Well No. Stewart #1

Elevation 1246 Kelly Bushing — Formation Simpson Sand — Effective Pay - Ft. — Ticket No. 14111

Date 5/ 6 /82 — Sec. 19 — Twp. 33S — Range 3W — County Sumner — State Kansas

Test Approved by M. M. Armstrong — Western Representative Allen Edgington

Formation Test No. 3 — Interval Tested from 4501 ft. to 4520 ft. — Total Depth 4520 ft.

Packer Depth 4496 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4501 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4513 ft. — Recorder Number 3354 — Cap. 4200

Bottom Recorder Depth (Outside) 4516 ft. — Recorder Number 5606 — Cap. 3950

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

Drilling Contractor H-30 Drlg. Rig#5 — Drill Collar Length 250 — I. D. 2¼ in.

Mud Type chemical — Viscosity 51 — Weight Pipe Length - — I. D. - in.

Weight 9.2 — Water Loss 10.6 cc. — Drill Pipe Length 4249 — I. D. 3.8 in.

Chlorides 11,000 P.P.M. — Test Tool Length 28 ft. — Tool Size 4½ in.

Jars: Make WIC — Serial Number 407 — Anchor Length 19 ft. — Size 4½ 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: Weak ten minutes. Flushed tool on final flow period.

Recovered 5 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:15 ~~A.M.~~ P.M. — Time Started Off Bottom 2:15 ~~A.M.~~ P.M. — Maximum Temperature 137°

Initial Hydrostatic Pressure			(A) 2125	P.S.I.		
Initial Flow Period	Minutes 30	(B) 43	P.S.I. to	(C) 43	P.S.I.	
Initial Closed In Period	Minutes 30	(D) 68	P.S.I.			
Final Flow Period	Minutes 30	(E) 57	P.S.I. to	(F) 50	P.S.I.	
Final Closed In Period	Minutes 36	(G) 56	P.S.I.			
Final Hydrostatic Pressure			(H) 2100	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 5/6/82 Test Ticket No. 14111

Recorder No. 5666 Capacity 3950 Location 4516 Ft.

Clock No. -- Elevation 1246 Kelly Bushing Well Temperature 137 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2125 P.S.I.			12:15P M	
B	First Initial Flow Pressure	43 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	43 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	68 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	57 P.S.I.		Final Closed-in Pressure	30 Mins.	36 Mins.
F	Second Final Flow Pressure	50 P.S.I.				
G	Final Closed-in Pressure	56 P.S.I.				
H	Final Hydrostatic Mud	2100 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	43
P 2	5	43
P 3	10	43
P 4	15	43
P 5	20	43
P 6	25	43
P 7	30	43
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	43
3	43
6	44
9	48
12	52
15	55
18	58
21	59
24	63
27	67
30	68

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

Point Minutes	Press.
0	57 Flushed tool
5	57
10	51
15	50
20	50
25	50
30	50

Final Shut-In
Breakdown: 12 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	50
3	50
6	50
9	50
12	50
15	49
18	50
21	51
24	52
27	53
30	54
33	56
36	56

WTC - 4

IKT # 14111

Company Vincent Oil Corporation — Lease & Well No. Stewart #1

Elevation 1246 Kelly Bushing — Formation Simpson Sand — Effective Pay - Ft. — Ticket No. 14112

Date 5/ 7 /82 — Sec. 19 — Twp. 33S — Range 3W — County Sumner — State Kansas

Test Approved by M. M. Armstrong — Western Representative Allen Edgington

Formation Test No. 4 — Interval Tested from 4517 ft. to 4528 ft. — Total Depth 4528 ft.

Packer Depth 4512 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4517 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4521 ft. — Recorder Number 3354 — Cap. 4200

Bottom Recorder Depth (Outside) 4524 ft. — Recorder Number 5606 — Cap. 3950

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

Drilling Contractor H-30 Drlg. Rig#5 — Drill Collar Length 250 — I. D. 2¼ in.

Mud Type chemical — Viscosity 49 — Weight Pipe Length - — I. D. - in.

Weight 9.2 — Water Loss 11.2 cc. — Drill Pipe Length 4249 — I. D. 3.8 in.

Chlorides 9,000 P.P.M. — Test Tool Length 28 ft. — Tool Size 4½ in.

Jars: Make WTC — Serial Number 407 — Anchor Length 11 ft. — Size 4½ in.

Did Well Flow? No — Reversed Out No — Surface Choke Size 3/4in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4½FH in.

Blow: Weak throughout test.

Recovered 170 ft. of gas in pipe

Recovered 10 ft. of very slightly oil and gas cut mud

Recovered 60 ft. of water Chlorides 82,000 ppm

Recovered ft. of

Recovered ft. of

Remarks: Some anchor plugging on initial flow period.

Time Set Packer(s) 6:45 A.M. ~~P.M.~~ — Time Started Off Bottom 10:00 A.M. ~~P.M.~~ — Maximum Temperature 137°

Initial Hydrostatic Pressure		(A) 2127 P.S.I.		
Initial Flow Period	Minutes 30	(B) 198 * P.S.I.	to (C) 300 * P.S.I.	
Initial Closed In Period	Minutes 60	(D) 1731 P.S.I.		
Final Flow Period	Minutes 45	(E) 76 P.S.I.	to (F) 86 P.S.I.	
Final Closed In Period	Minutes 60	(G) 1688 P.S.I.		
Final Hydrostatic Pressure		(H) 2094 P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 5/7/82 Test Ticket No. 14112

Recorder No. 5666 Capacity 3950 Location 4524 Ft.

Clock No. -- Elevation 1246 Kelly Bushing Well Temperature 137 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2127 P.S.I.	Open Tool	6:45A M	
B	First Initial Flow Pressure	198 * P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	300 * P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1731 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	76 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	86 P.S.I.			
G	Final Closed-in Pressure	1688 P.S.I.			
H	Final Hydrostatic Mud	2094 P.S.I.			

* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	198 *
P 2	5	198 *
P 3	10	266 *
P 4	15	157 *
P 5	20	300 *
P 6	25	347 *
P 7	30	300 *
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	300 *
3	739
6	1514
9	1592
12	1629
15	1655
18	1671
21	1683
24	1693
27	1700
30	1705
33	1709
36	1714
39	1719
42	1723
45	1725
48	1727
51	1728
54	1729
57	1730
60	1731

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

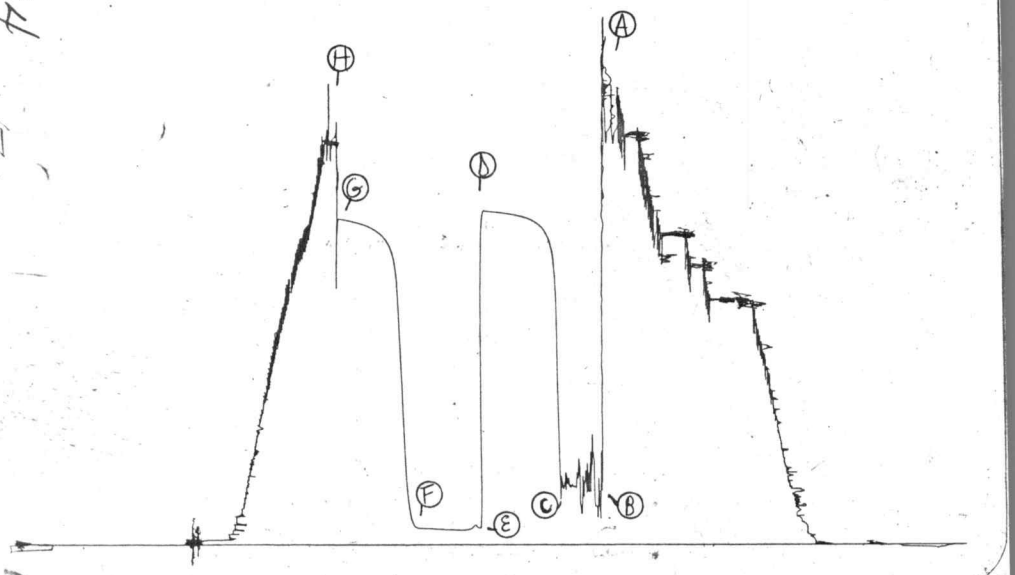
Point Minutes	Press.
0	76
5	76
10	76
15	76
20	77
25	79
30	81
35	83
40	85
45	86

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

Point Minutes	Press.
0	86
3	92
6	130
9	278
12	653
15	1070
18	1450
21	1534
24	1574
27	1601
30	1620
33	1633
36	1646
39	1655
42	1663
45	1668
48	1672
51	1676
54	1680
57	1684
60	1688

IKT # 14112

DST #4



TKT # 14109

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