Company Oil Property Management, Inc. Lease & Well No. Vavra #3

Elevation 1231 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 7948

Date 7/25/81 Sec. 22 Twp. 34S Range 2E County Sumner State Kansas

Test Approved by Allen G Siemens Western Representative Norman Allen

Formation Test No. 1 Interval Tested from 3014 ft. to 3030 ft. Total Depth 3030 ft.

Packer Depth 3014 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3024 ft. Recorder Number 1559 Cap. 4200

Bottom Recorder Depth (Outside) 3026 ft. Recorder Number 13268 Cap. 4225

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

Drilling Contractor White & Ellis Drilling Rig #7 Drill Collar Length - I. D. - in.

Mud Type Chemical Viscosity 39 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 13.6 cc. Drill Pipe Length 2999 I. D. 3.8 in.

Chlorides 3000 P.P.M. Test Tool Length 15 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 16 ft. Size 5½OD in.

Did Well Flow? No Reversed Out - 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: Fair to weak at end of test

Recovered 435 ft. of gas in pipe

Recovered 45 ft. of heavy oil & gas cut mud - 45% oil; 55% mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Tool was partially plugged on initial flow period.

Time Set Packer(s) 9:30 ~~A.M.~~ P.M. Time Started Off Bottom 1:15 ~~A.M.~~ ~~P.M.~~ Maximum Temperature 110

Initial Hydrostatic Pressure			(A)	1460	P.S.I.	
Initial Flow Period	Minutes	30	(B)	77* P.S.I.	to (C)	54* P.S.I.
Initial Closed In Period	Minutes	45	(D)	529	P.S.I.	
Final Flow Period	Minutes	60	(E)	52* P.S.I.	to (F)	54* P.S.I.
Final Closed In Period	Minutes	102	(G)	481	P.S.I.	
Final Hydrostatic Pressure			(H)	1450	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 7/25/81 Test Ticket No. 7948

Recorder No. 1559 Capacity 4200 Location 3024 Ft.

Clock No. - Elevation 1231 Kelly Bushing Well Temperature 110 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1460	P.S.I.
B	First Initial Flow Pressure	77*	P.S.I.
C	First Final Flow Pressure	54*	P.S.I.
D	Initial Closed-in Pressure	529	P.S.I.
E	Second Initial Flow Pressure	52*	P.S.I.
F	Second Final Flow Pressure	54*	P.S.I.
G	Final Closed-in Pressure	481	P.S.I.
H	Final Hydrostatic Mud	1450	P.S.I.

	Time Given		Time Computed	
Open Tool	9:30P	M		
First Flow Pressure	30	Mins.	30	Mins.
Initial Closed-in Pressure	45	Mins.	45	Mins.
Second Flow Pressure	60	Mins.	60	Mins.
Final Closed-in Pressure	90	Mins.	102	Mins.

*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	77*
P 2 5	77*
P 3 10	180*
P 4 15	69*
P 5 20	77*
P 6 25	173*
P 7 30	54*
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	54*
3	102*
6	169*
9	245*
12	297*
15	332*
18	372*
21	391*
24	368*
27	408
30	443
33	466
36	490
39	508
42	525
45	529

Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	52*
5	54*
10	46*
15	46*
20	63*
25	69*
30	92*
35	33*
40	38*
45	50*
50	46*
55	48*
60	54*

Final Shut-In
Breakdown: 34 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	54*
3	59*
6	68*
9	73*
12	52*
15	52*
18	59*
21	71*
24	90*
27	92*
30	111*
33	136
36	169
39	207
42	242
45	268
48	293
51	314
54	328
57	345
60	355

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WESTERN TESTING CO., INC.

Pressure Data

Date 7/25/81 Test Ticket No. 7948

Recorder No. 1559 Capacity 4200 Location 3024 Ft.

Clock No. - Elevation 1231 Kelly Bushing Well Temperature 110 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1460	P.S.I.
B	First Initial Flow Pressure	77*	P.S.I.
C	First Final Flow Pressure	54*	P.S.I.
D	Initial Closed-in Pressure	529	P.S.I.
E	Second Initial Flow Pressure	52*	P.S.I.
F	Second Final Flow Pressure	54*	P.S.I.
G	Final Closed-in Pressure	481	P.S.I.
H	Final Hydrostatic Mud	1450	P.S.I.

	Time Given	Time Computed
Open Tool	9:30P M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	45 Mins.	45 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	90 Mins.	102 Mins.

*Pressures questionable due to plugging action

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 34 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						63	366
P 2						66	378
P 3						69	390
P 4						72	400
P 5						75	408
P 6						78	418
P 7						81	429
P 8						84	437
P 9						87	443
P10						90	452
P11						93	458
P12						96	466
P13						99	473
P14						102	481
P15							
P16							
P17							
P18							
P19							
P20							

TKT# 7948

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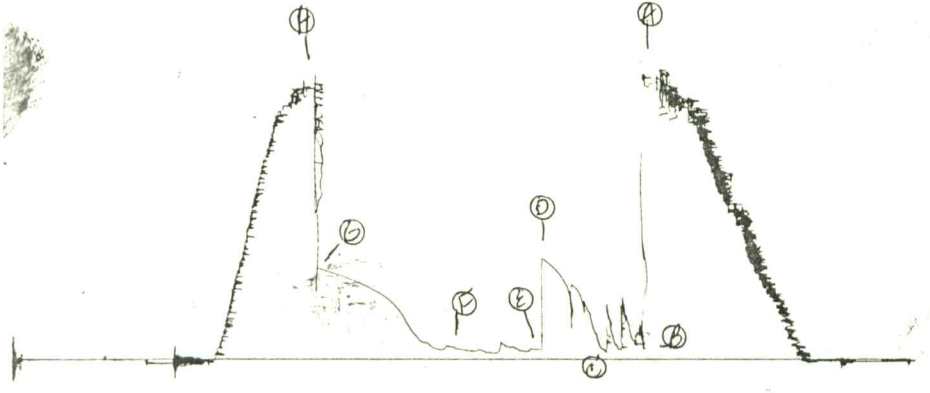

Company Oil Property Management, Inc. Lease & Well No. Vavra #3

Elevation 1231 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 7949

Date 7/27/81 Sec. 22 Twp. 34S Range 2E County Sumner State Kansas

Test Approved by Allen G Siemens Western Representative Norman Allen

Formation Test No. 2 Interval Tested from 3501 ft. to 3520 ft. Total Depth 3520 ft.

Packer Depth 3501 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3513 ft. Recorder Number 1559 Cap. 4200

Bottom Recorder Depth (Outside) 3516 ft. Recorder Number 13268 Cap. 4225

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

Drilling Contractor White & Ellis Drilling Rig #7 Drill Collar Length 120 I. D. 2¼ in.

Mud Type Chemical Viscosity 48 Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss 12.0 cc. Drill Pipe Length 3376 I. D. 3.8 in.

Chlorides 2000 P.P.M. Test Tool Length 15 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 19 ft. Size 5½OD in.

Did Well Flow? - Reversed Out - 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 20 minutes.

Recovered 30 ft. of drilling mud with few specks of oil in tool.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:15 ~~A.M.~~ P.M. Time Started Off Bottom 7:45 ~~A.M.~~ P.M. Maximum Temperature 115

Initial Hydrostatic Pressure (A) 1778 P.S.I.

Initial Flow Period Minutes 30 (B) 6 P.S.I. to (C) 6 P.S.I.

Initial Closed In Period Minutes 45 (D) 50 P.S.I.

Final Flow Period Minutes 30 (E) 18 P.S.I. to (F) 18 P.S.I.

Final Closed In Period Minutes 45 (G) 32 P.S.I.

Final Hydrostatic Pressure (H) 1768 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 7/27/81 Test Ticket No. 7949

Recorder No. 1559 Capacity 4200 Location 3513 Ft.

Clock No. - Elevation 1231 Kelly Bushing Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1778 P.S.I.	Open Tool	5:15P M	
B First Initial Flow Pressure	6 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	6 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	50 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	18 P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	18 P.S.I.			
G Final Closed-in Pressure	32 P.S.I.			
H Final Hydrostatic Mud	1768 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: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 15 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 0	6	0	6	0	18	0	18
P 2 5	6	3	8	5	18	3	19
P 3 10	6	6	11	10	18	6	20
P 4 15	6	9	15	15	18	9	21
P 5 20	6	12	18	20	18	12	23
P 6 25	6	15	21	25	18	15	25
P 7 30	6	18	24	30	18	18	27
P 8		21	27			21	28
P 9		24	30			24	29
P10		27	33			27	30
P11		30	36			30	31
P12		33	39			33	31
P13		36	41			36	31
P14		39	44			39	31
P15		42	47			42	32
P16		45	50			45	32
P17							
P18							
P19							
P20							

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