15-191-22350

3-34S-1W

Ricketts Testing, Inc.

ORIGINAL

Company NOBLE PETROLEUM, INC. Lease & Well No. CHURCH #1

Elevation _____ Formation _____ Ticket No. 1964

Date 8-26-00 Sec. 3 Twp. 34S Range 1W County SUMNER State KS

Test Approved by _____ Ricketts Representative JIM RICKETTS

Formation Test No. 1 Interval Tested from 1990 ft. to 2030 ft. Total Depth 2030 ft.

Packer Depth 1990 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 1987 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 1995 ft. Recorder Number 13306 Cap. 4625

Bottom Recorder Depth (Outside) 1998 ft. Recorder Number 13565 Cap. 4475

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

Drilling Contractor Mendenhall Drilling Rig #3 Drill Collar Length 589 I.D. 2.25 in.

Mud Type Chemical Viscosity 40 Weight Pipe Length _____ I.D. _____ in.

Weight 9.3 Water Loss NA cc. Drill Pipe Length 1381 I.D. 3.25 in.

Chlorides 3000 P.P.M. Test Tool Length 20 ft. Tool Size 5½ in.

Jars: Make _____ Serial Number _____ Anchor Length 40 ft. Size 5½ in.

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

Gravity Oil _____ Main Hole Size 7 7/8 in. Tool Joint Size 4½xh in.

Blow: Very weak blow Initial Flow Period. Died in 5 minutes.
No blow Final Flow Period.

Recovered 2 ft. of Mud.

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s) 1:13 P.M. Time Started Off Bottom 1:32 P.M. Maximum Temperature 89°

Initial Hydrostatic Pressure		(A)	989 P.S.I.	
Initial Flow Period Minutes	10	(B)	13 P.S.I.	to
		(C)	13 P.S.I.	
Initial Closed In Period Minutes	12	(D)	13 P.S.I.	
Final Flow Period Minutes		(E)	Not taken P.S.I.	to
		(F)	_____ P.S.I.	
Final Closed In Period Minutes		(G)	Not taken P.S.I.	
Final Hydrostatic Pressure		(H)	974 P.S.I.	

RICKETTS TESTING, INC.

Pressure Data

Date 8-26-00 Test Ticket No 1964

Recorder No 13306 Capacity 4625 Location 1995 Ft.

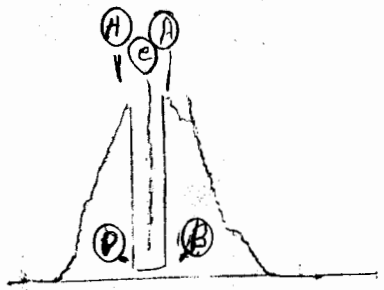
Clock No Elevation Well Temperature 89 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	989 P.S.I.	Open Tool	1:13 P M	
B First Initial Flow Pressure	13 P.S.I.	First Flow Pressure	10 Mins.	10 Mins.
C First Final Flow Pressure	13 P.S.I.	Initial Closed-in Pressure	10 Mins.	12 Mins.
D Initial Closed-in Pressure	13 P.S.I.	Second Flow Pressure	N/T Mins.	Mins.
E Second Initial Flow Pressure	Not taken P.S.I.	Final Closed-in Pressure	N/T Mins.	Mins.
F Second Final Flow Pressure	Not taken P.S.I.			
G Final Closed-in Pressure	Not taken P.S.I.			
H Final Hydrostatic Mud	974 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 2 Inc.		Breakdown: 4 Inc.		Breakdown: Inc.		Breakdown: Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of Min.		final inc. of Min.		final inc. of Min.		final inc. of Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	13	0	13	0		0	
P 2 5	13	3	13	5		3	
P 3 10	13	6	13	10		6	
P 4 15		9	13	15		9	
P 5 20		12	13	20		12	
P 6 25		15		25		15	
P 7 30		18		30		18	
P 8 35		21		35		21	
P 9 40		24		40		24	
P10 45		27		45		27	
P11 50		30		50		30	
P12 55		33		55		33	
P13 60		36		60		36	
P14 65		39		65		39	
P15 70		42		70		42	
P16 75		45		75		45	
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57				57	
		60				60	

D.S.T # 1 IK # 1964



This is an actual photograph of recorder chart

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1000	989	PSI
(B)	First Initial Flow Pressure	10	13	PSI
(C)	First Final Flow Pressure	10	13	PSI
(D)	Initial Closed-in Pressure	86	13	PSI
(E)	Second Initial Flow Pressure	Not taken		PSI
(F)	Second Final Flow Pressure	Not taken		PSI
(G)	Final Closed-in Pressure	Not taken		PSI
(H)	Final Hydrostatic Mud	987	974	PSI

COMPANY NOBLE PETROLEUM, INC. LEASE AND WELL NO. CHURCH #1 SEC. 5 TWP. 34S RGE. 1W TEST NO. 1 DATE 8-20-64

Ricketts Testing, Inc.

ORIGINAL

Company NOBLE PETROLEUM, INC. Lease & Well No. CHURCH #1

Elevation _____ Formation SIMPSON _____ Ticket No. 1965

Date 9-2-00 Sec. 3 Twp. 34S Range 1W County SUMNER State KS

Test Approved by JAY ABLAH Ricketts Representative JIM RICKETTS

Formation Test No. 2 Interval Tested from 4306 ft. to 4352 ft. Total Depth 4352 ft.

Packer Depth 4306 ft .Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4303 ft Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4311 ft. Recorder Number 13306 Cap. 4625

Bottom Recorder Depth (Outside) 4314 ft. Recorder Number 13565 Cap. 4475

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

Drilling Contractor Mendenhall Drilling Rig #3 Drill Collar Length 589 I.D. 2.25 in.

Mud Type Chemical Viscosity 47 Weight Pipe Length _____ I.D. _____ in.

Weight 8.8 Water Loss 10.4 cc. Drill Pipe Length 3697 I.D. 3.25 in.

Chlorides 3500 P.P.M. Test Tool Length 20 ft. Tool Size. 5½ in.

Jars: Make _____ Serial Number _____ Anchor Length 46 ft. Size 5½ in.

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

Gravity Oil 43 Main Hole Size 7 7/8 in. Tool Joint Size 4½xh in.

Blow: Weak blow building to a strong blow in 15 minutes Initial Flow Period.
Strong blow Final Flow Period.

Recovered 40 ft. of Free oil.

Recovered 120 ft. of Heavy oil cut mud. 15% Oil 20% Gas 65% Mud

Recovered 60 ft. of Gassy oil cut mud. 10% Oil 64% Gas 25% Mud 1% Water

Recovered 60 ft. of Water cut mud. 15% Water 20% Gas

Recovered 1200 ft. of Gas in pipe.

Remarks: _____

Time Set Packer (s) 5:11 A.M. Time Started Off Bottom 9:11 A.M. Maximum Temperature 122°

Initial Hydrostatic Pressure	(A)	2063	P.S.I.	
Initial Flow Period Minutes 60	(B)	37	P.S.I.	to
	(C)	82	P.S.I.	
Initial Closed In Period Minutes 57	(D)	1554	P.S.I.	
Final Flow Period Minutes 60	(E)	95	P.S.I.	to
	(F)	126	P.S.I.	
Final Closed In Period Minutes 60	(G)	1520	P.S.I.	
Final Hydrostatic Pressure	(H)	2035	P.S.I.	

RICKETTS TESTING, INC.

Pressure Data

Date 9-2-00 Test Ticket No 1965

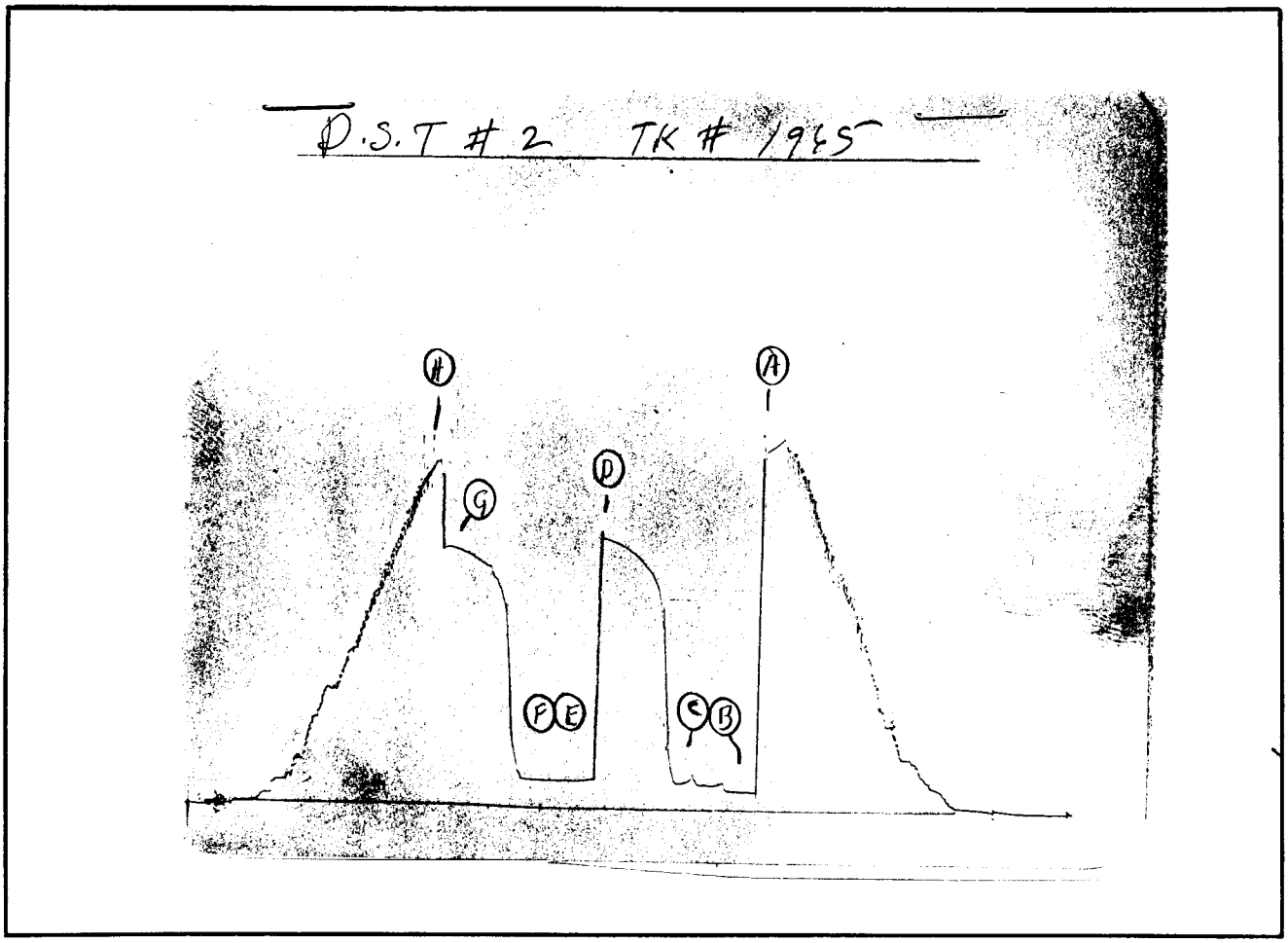
Recorder No 13306 Capacity 4625 Location 4311 Ft.

Clock No Elevation Well Temperature 122 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2063 P.S.I.		Open Tool	5:11 A M	
B	First Initial Flow Pressure	37 P.S.I.		First Flow Pressure	60 Mins.	60 Mins.
C	First Final Flow Pressure	82 P.S.I.		Initial Closed-in Pressure	60 Mins.	57 Mins.
D	Initial Closed-in Pressure	1554 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	95 P.S.I.		Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	126 P.S.I.				
G	Final Closed-in Pressure	1520 P.S.I.				
H	Final Hydrostatic Mud	2035 P.S.I.		*PLUGGING		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 12 Inc.		Breakdown: 19 Inc.		Breakdown: 12 Inc.		Breakdown: 20 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of Min.		final inc. of Min.		final inc. of Min.		final inc. of Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	37	0	82	0	95	0	126
P 2 5	37	3	138	5	95	3	172
P 3 10	37	6	317	10	97	6	321
P 4 15	43	9	753	15	99	9	621
P 5 20	46	12	1180	20	101	12	1058
P 6 25	106*	15	1291	25	104	15	1214
P 7 30	61	18	1359	30	107	18	1295
P 8 35	66	21	1408	35	110	21	1342
P 9 40	70	24	1432	40	113	24	1381
P10 45	113*	27	1450	45	116	27	1402
P11 50	79	30	1470	50	119	30	1426
P12 55	81	33	1486	55	123	33	1440
P13 60	82	36	1502	60	126	36	1459
P14 65		39	1516	65		39	1470
P15 70		42	1527	70		42	1483
P16 75		45	1536	75		45	1491
P17 80		48	1542	80		48	1500
P18 85		51	1546	85		51	1505
P19 90		54	1550	90		54	1510
P20 95		57	1554			57	1515
		60				60	1520



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2070	2063	PSI
(B)	First Initial Flow Pressure	32	37	PSI
(C)	First Final Flow Pressure	75	82	PSI
(D)	Initial Closed-in Pressure	1580	1554	PSI
(E)	Second Initial Flow Pressure	86	95	PSI
(F)	Second Final Flow Pressure	119	126	PSI
(G)	Final Closed-in Pressure	1580	1520	PSI
(H)	Final Hydrostatic Mud	2046	2035	PSI

COMPANY ROBBS PETROLEUM, INC. LEASE AND WELL NO. CHRONOS #1 SEC. 5 TWP. 27S RGE. 1W TEST NO. 2 DATE 2-2-00