WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET № 15084

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1901 KB. Formation Indian Cave Eff. Pay ____ Ft.

District Pratt Date 1-3-82 Customer Order No. ____

COMPANY NAME Gunner Oil Company

ADDRESS 519 Parke Pratt, Ks. 67124

LEASE AND WELL NO. Brubaker #1 COUNTY Barber STATE Ks Sec. 6 Twp 30S Rge 12W

Mail Invoice To Sama Co. Name Address No. Copies Requested Reg

Mail Charts To Sama Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested from 2804 ft. to 2837 ft. Total Depth 2837 ft.

Packer Depth 2799 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 2804 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 2810 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 2813 ft. Recorder Number 15640 Cap. 6600

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

Drilling Contractor Abbaran 3

Mud Type Pram.-Impermix Viscosity 42

Weight 9.6 Water Loss 13.6 cc.

Chlorides 44,000 P.P.M.

Jars: Make NO Serial Number NO

Did Well Flow? NO Reversed Out NO

Drill Collar Length 546 I. D. 2.26 in.

Weight Pipe Length ____ I. D. ____ in.

Drill Pipe Length 2257 I. D. 3.8 in.

Test Tool Length 20 ft. Tool Size 5 1/2 O.D. in.

Anchor Length 33 ft. Size 5 1/2 O.D. in.

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 F-Hole in.

Blow: IFP- Fair to Strong
FFP- STRONG Held Steady

Recovered 65 ft. of Slightly Gas cut Mud 37,000 p.p.m. chlorides

Recovered 185 ft. of Slightly Gas cut Salt water 83,000 p.p.m. Chlorides

Recovered ____ ft. of

Recovered ____ ft. of

Recovered ____ ft. of

Remarks: READ Bottom Recorder

CHART Stiped on top Recorder

RECEIVED JAN 6 1982

Time On Location 2:30 A.M. P.M. Time Pick Up Tool 4:35 A.M. P.M. Time Off Location 2:30 A.M. P.M.

Time Set Packer(s) 7:05 A.M. P.M. Time Started Off Bottom 9:35 A.M. P.M. Maximum Temperature 137°F

Initial Hydrostatic Pressure		(A)	1449	P.S.I.		
Initial Flow Period	Minutes 30	(B)	128	P.S.I. to	(C) 96	P.S.I.
Initial Closed In Period	Minutes 30	(D)	822	P.S.I.		
Final Flow Period	Minutes 60	(E)	193	P.S.I. to	(F) 144	P.S.I.
Final Closed In Period	Minutes 30	(G)	709	P.S.I.		
Final Hydrostatic Pressure		(H)	1401	P.S.I.		

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Doug McDonnell
Signature of Customer or his authorized representative

Western Representative Karl Kolle Jr. Thank you

FIELD INVOICE

Open Hole Test	$ 625.00
Misrun	$
Straddle Test	$
Jars	$
Selective Zone	$
Safety Joint	$
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage 19	$ 14.25
Fluid Sampler	$
Extra Charts	$
Insurance	$
TOTAL	$ 639.25

WESTERN TESTING CO., INC.
Pressure Data

Date 1-3-82 Test Ticket No. 15084

Recorder No. 15640 Capacity 6600 Location 2812 Ft.

Clock No. — — — — Elevation 1901 K.B Well Temperature 137 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	1427	P.S.I.	Open Tool	7:05 PM			
B	First Initial Flow Pressure	140	P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	104	P.S.I.	Initial Closed-in Pressure	30	Mins.	30	Mins
D	Initial Closed-in Pressure	839	P.S.I.	Second Flow Pressure	60	Mins.	60	Mins
E	Second Initial Flow Pressure	196	P.S.I.	Final Closed-in Pressure	30	Mins.	30	Mins
F	Second Final Flow Pressure	164	P.S.I.					
G	Final Closed-in Pressure	755	P.S.I.					
H	Final Hydrostatic Mud	1427	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	140
P 2	5	140
P 3	10	122
P 4	15	109
P 5	20	105
P 6	25	104
P 7	30	104
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
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	104
	3	196
	6	322
	9	461
	12	567
	15	641
	18	725
	21	771
	24	797
	27	822
	30	839
	33	
	36	
	39	
	42	
	45	
	48	
	51	
	54	
	57	
	60	

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

Point	Minutes	Press.
	0	196
	5	196
	10	171
	15	161
	20	158
	25	155
	30	155
	35	155
	40	156
	45	158
	50	161
	55	164
	60	164
	65	
	70	
	75	
	80	
	85	
	90	

Final Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	164
	3	229
	6	328
	9	435
	12	525
	15	606
	18	651
	21	693
	24	725
	27	742
	30	755
	33	
	36	
	39	
	42	
	45	
	48	
	51	
	54	
	57	
	60	

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Company: Gunner Oil Company | Lease & Well No.: Brubaker #1

Elevation: 1901 Kelly Bushing | Formation: Indian Cave | Effective Pay: - Ft. | Ticket No.: 15084

Date: 1/3/82 | Sec. 6 | Twp. 30S | Range 12W | County: Barber | State: Kansas

Test Approved by: Doug McGinness | Western Representative: Karl L West, Jr.

Formation Test No. 1 | Interval Tested from 2804 ft. to 2837 ft. | Total Depth 2837 ft.

Packer Depth 2799 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Packer Depth 2804 ft. | Size 6 3/4 in. | Packer Depth - ft. | Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2810 ft. | Recorder Number 1051 | Cap. 4250

Bottom Recorder Depth (Outside) 2813 ft. | Recorder Number 15640 | Cap. 6600

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

Drilling Contractor: Aldebaran Rig #3 | Drill Collar Length 546 | I. D. 2.26 in.

Mud Type: Premix-Impermix | Viscosity 42 | Weight Pipe Length - | I. D. - in.

Weight 9.6 | Water Loss 13.6 cc. | Drill Pipe Length 2257 | I. D. 3.8 in.

Chlorides 44,000 P.P.M. | Test Tool Length 20 ft. | Tool Size 5½OD in.

Jars: Make No | Serial Number - | Anchor Length 33 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 4"FH in.

Blow: Initial flow period fair to strong. Final flow period strong held steady

Recovered 65 ft. of slightly gas cut mud Chlorides 37,000 PPM

Recovered 185 ft. of slightly gas cut salt water Chlorides 83,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Read bottom recorder

Time Set Packer(s) 7:05 ~~A.M.~~ P.M. | Time Started Off Bottom 9:35 ~~A.M.~~ P.M. | Maximum Temperature 137

Initial Hydrostatic Pressure ..... (A) 1427 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 140 P.S.I. to (C) 104 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 839 P.S.I.

Final Flow Period ..... Minutes 60 (E) 196 P.S.I. to (F) 164 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 755 P.S.I.

Final Hydrostatic Pressure ..... (H) 1427 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 1/3/82 Test Ticket No. 15084

Recorder No. 15640 Capacity 6600 Location 2813 Ft.

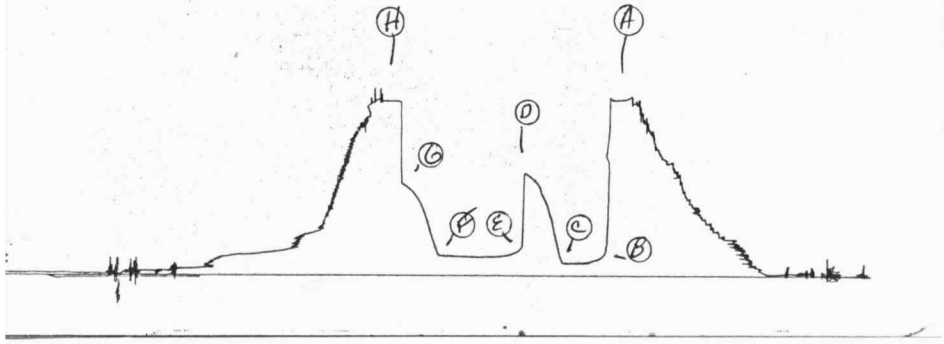
Clock No. - Elevation 1901 Kelly Bushing Well Temperature 137 °F

Point		Pressure			Time Given		Time Computed	
A	Initial Hydrostatic Mud	1427	P.S.I.	Open Tool	7:05P	M		
B	First Initial Flow Pressure	140	P.S.I.	First Flow Pressure	30	Mins.	30	Mins.
C	First Final Flow Pressure	104	P.S.I.	Initial Closed-in Pressure	30	Mins.	30	Mins.
D	Initial Closed-in Pressure	839	P.S.I.	Second Flow Pressure	60	Mins.	60	Mins.
E	Second Initial Flow Pressure	196	P.S.I.	Final Closed-in Pressure	30	Mins.	30	Mins.
F	Second Final Flow Pressure	164	P.S.I.					
G	Final Closed-in Pressure	755	P.S.I.					
H	Final Hydrostatic Mud	1427	P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 10 Inc.		Breakdown: 12 Inc.		Breakdown: 10 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	140	0	104	0	196	0	164
P 2 5	140	3	196	5	196	3	229
P 3 10	122	6	322	10	171	6	328
P 4 15	109	9	461	15	161	9	435
P 5 20	105	12	567	20	158	12	525
P 6 25	104	15	641	25	155	15	606
P 7 30	104	18	725	30	155	18	651
P 8		21	771	35	155	21	693
P 9		24	797	40	156	24	725
P10		27	822	45	158	27	742
P11		30	839	50	161	30	755
P12				55	164		
P13				60	164		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WTC - 4

Tkt #15084

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