S SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 6999
Name Antares Oil Corporation
Address 1667 Cole Blvd. #210
City/State/Zip Golden, CO 80401

Purchaser N/A

Operator Contact Person William Leach
Phone (303) 232-2209

Contractor: License # 5842
Name Gabbert-Jones Drilling, Inc.

Wellsite Geologist D.V. Davis, Jr.
Phone (316) 264-7464

Designate Type of Completion
XX New Well __ Re-Entry __ Workover

__ Oil __ SWD __ Temp Abd
__ Gas __ Inj __ Delayed Comp.
X Dry __ Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
X Mud Rotary __ Air Rotary __ Cable

8/2/81	8/14/81	8/14/81
Spud Date	Date Reached TD	Completion Date
4410	4148	
Total Depth	PBTD	

Amount of Surface Pipe Set and Cemented at 453 feet
Multiple Stage Cementing Collar Used? __ Yes __ No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt
Cement Company Name Allied
Invoice #

API NO. 15- 151-20954 ~ 60,00

County Pratt

100' S of C
NW SW NW Sec 24 Twp 29S Rge 14 __ East X West

3530 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

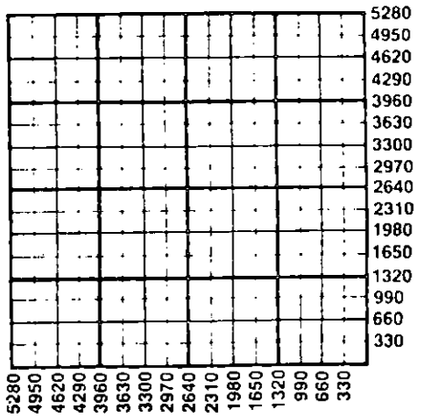
Lease Name Chastain Well # 1

Field Name Coat West

Producing Formation N/A

Elevation: Ground 1937 KB 1944

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: __ Disposal
Docket # __ Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

__ Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge __ East __ West

__ Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge __ East __ West

__ Other (explain)
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.
Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.
One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature David E. Park
David E. Park, Jr
Title President Date April 23, 1986

X Subscribed and sworn to before me this 13th day of May, 19 86
Notary Public Terri S. Kearney
Date Commission Expires 4-19-88

K.C.C. OFFICE USE ONLY
F __ Letter of Confidentiality Attached
C __ Wireline Log Received
C __ Drillers Timelog Received
Distribution
✓ KCC __ SWD/Rep __ NGPA
✓ KGS __ Plug __ Other (Specify)

Sec. 24 Twp. 29 Rge. 14 W

Form ACO-1 (7-84)

RECEIVED
STATE CORPORATION COMMISSION
MAY 15 1986
05-15-86
CONSERVATION DIVISION
Wichita, Kansas

RECEIVED
STATE CORPORATION COMMISSION
APR 28 1986
04-28-86
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name Antares Oil Corporation Lease Name Chastain Well # 1

Sec. 24 Twp. 29S Rge. 14 ☐ East ☒ West County Pratt

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken	☒ Yes	☐ No
Samples Sent to Geological Survey	☒ Yes	☐ No
Cores Taken	☐ Yes	☒ No

Formation Description

☐ Log ☐ Sample

Name	Top	Bottom
Council Grove	2469	
Foraker	2780	
Indian Cave Sd	2909	
Wabaunsee	2948	
Tarkio	3149	
Topeka	3396	
Heebner Shale	3744	
Toronto	3763	
Lansing	3947	
Swope	4213	
Hertha	4260	
B/KC	4310	

Type and Percent Additives
10#/sack gilsinite
3/4 of 1% CFR-2

CASING RECORD ☒ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	24#	459	40/40 Poz mix	300	2% gel 3% cc
Production	7 7/8	4 1/2	10.1/2#	4402	60/40 Poz mix	250	10% salt

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	4292-96	250 gals 10% MA	
		1,500 glas jelled wtr w/500 SCF N2-bbl	
2 SPF	4179-83		
2 Spf	4137-39		

TUBING RECORD Size 2 3/8 Set At pulled Packer at Liner Run ☐ Yes ☒ No

Date of First Production	Producing Method
N/A	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain)

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	N/A Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented ☐ Sold ☐ Used on Lease

☐ Open Hole ☒ Perforation
☐ Other (Specify)

N/A

☐ Dually Completed
☐ Commingled

Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Antares Oil Corporation Lease & Well No. Chastain #1

Elevation ---- Formation - Effective Pay - Ft. Ticket No. 12912

Date 8/ 7/81 Sec. 24 Twp. 29S Range 14W County Pratt State Kansas

Test Approved by Douglas Davis, Jr. Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 3229 ft. to 3251 ft. Total Depth 3251 ft.

Packer Depth 3224 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3229 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3232 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 3235 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor Gabbert-Jones Drlg. Rig #9 Drill Collar Length 420 I. D. 2.2 in.

Mud Type gel Viscosity 36 Weight Pipe Length - I. D. - in.

Weight 9.4 Water Loss 78 cc. Drill Pipe Length 2780 I. D. 3.8 in.

Chlorides 42,000 P.P.M. Test Tool Length 29 ft. Tool Size 5½OD in.

Jars: Make WIC Serial Number 405 Anchor Length 22 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. Strong throughout final flow period.

Recovered 120 ft. of gas in pipe

Recovered 120 ft. of gas cut mud - few oil specks

Recovered 60 ft. of slightly oil cut watery mud

Recovered 120 ft. of water 82,000 chlorides ppm

Recovered ft. of

Remarks: Slid tool fifteen feet

RECEIVED
STATE CORPORATION COMMISSION
APR 28 1986
CONSERVATION DIVISION
Wichita, Kansas

Time Set Packer(s) 4:25 ~~A.M.~~ P.M. Time Started Off Bottom 7:55 ~~A.M.~~ P.M. Maximum Temperature 110°

Initial Hydrostatic Pressure ..... (A) 1593 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 76 P.S.I. to (C) 96 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1010 P.S.I.

Final Flow Period ..... Minutes 60 (E) 117 P.S.I. to (F) 160 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 874 P.S.I.

Final Hydrostatic Pressure ..... (H) 1593 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/7/81 Test Ticket No. 12912

Recorder No. 5673 Capacity 5400 Location 3232 Ft.

Clock No. - Elevation -- Well Temperature 110 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1593 P.S.I.	Open Tool	4:25P M	
B	First Initial Flow Pressure	76 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	96 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1010 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	117 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	160 P.S.I.			
G	Final Closed-in Pressure	874 P.S.I.			
H	Final Hydrostatic Mud	1593 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	76
P 2	5	77
P 3	10	84
P 4	15	87
P 5	20	91
P 6	25	95
P 7	30	96
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.

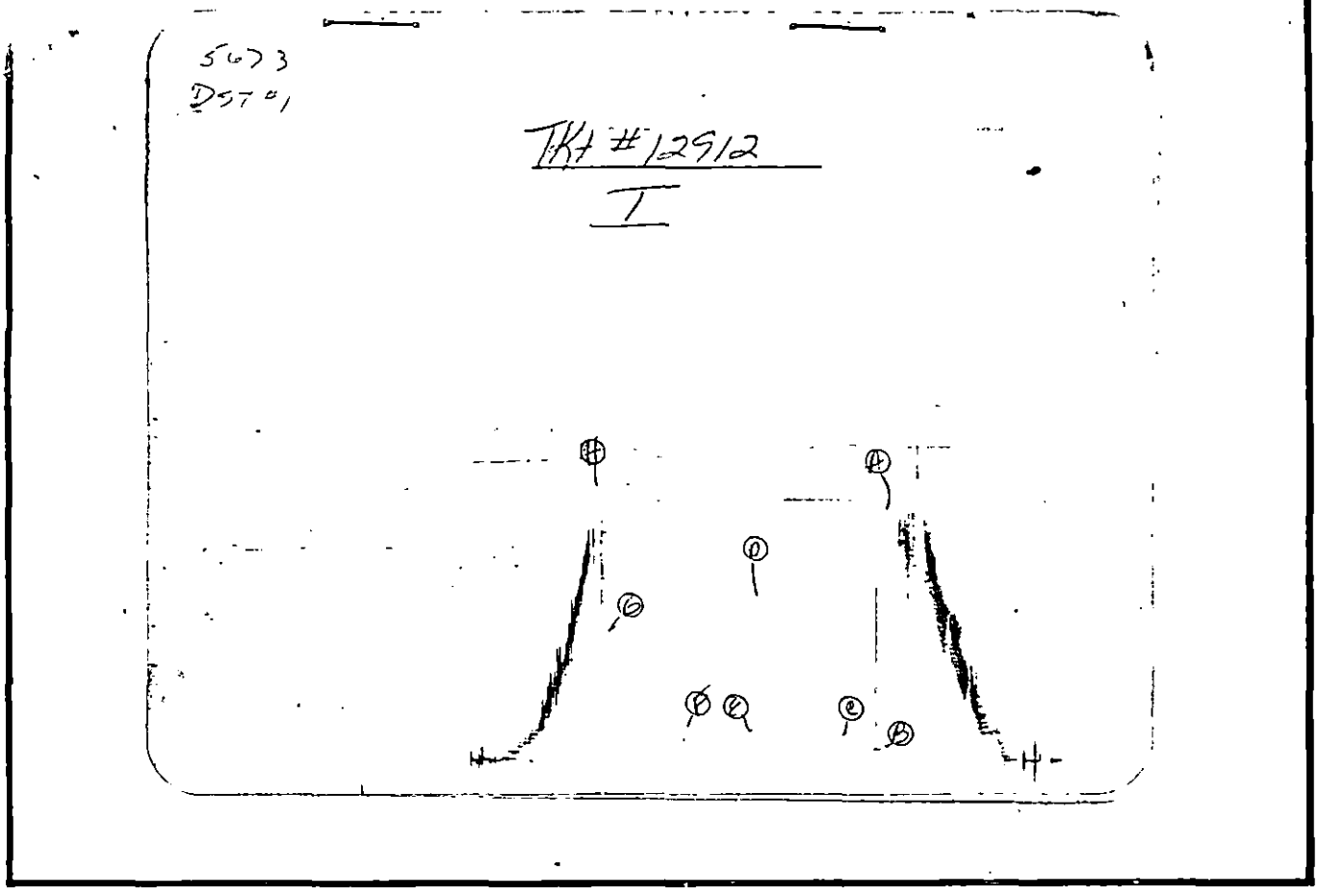
Point	Minutes	Press.
	0	96
	3	150
	6	221
	9	314
	12	424
	15	511
	18	582
	21	637
	24	691
	27	738
	30	779
	33	814
	36	850
	39	874
	42	899
	45	924
	48	945
	51	964
	54	984
	57	997
	60	1010

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

Point	Minutes	Press.
	0	117
	5	119
	10	127
	15	131
	20	137
	25	139
	30	144
	35	148
	40	150
	45	153
	50	155
	55	157
	60	160

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

Point	Minutes	Press.
	0	160
	3	232
	6	306
	9	391
	12	462
	15	522
	18	571
	21	609
	24	645
	27	672
	30	699
	33	724
	36	746
	39	767
	42	786
	45	803
	48	822
	51	839
	54	855
	57	868
	60	874



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1593	1593	PSI
(B)	First Initial Flow Pressure	68	76	PSI
(C)	First Final Flow Pressure	95	96	PSI
(D)	Initial Closed-in Pressure	1010	1010	PSI
(E)	Second Initial Flow Pressure	109	117	PSI
(F)	Second Final Flow Pressure	150	160	PSI
(G)	Final Closed-in Pressure	860	874	PSI
(H)	Final Hydrostatic Mud	1593	1593	PSI

COMPANY ANTARES OIL CORPORATION LEASE AND WELL NO. CHASTAIN #1 SEC. 24 TWP. 29S RGE. 14W TEST NO. 1 DATE 8/7/81

WESTERN TESTERS
Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Antares Oil Corporation Lease & Well No. Chastain #1

Elevation ---- Formation Toronto Effective Pay - Ft. Ticket No. 12913

Date 8/9 /81 Sec. 24 Twp. 29S Range 14W County Pratt State Kansas

Test Approved by Douglas Davis, Jr. Western Representative Jeff Piotrowski

Formation Test No. 2 Interval Tested from 3951 ft. to 3990 ft. Total Depth 3990 ft.

Packer Depth 3946 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3951 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3954 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 3957 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor Gabbert-Jones Drlg. Rig #9 Drill Collar Length 420 I. D. 2.2 in.

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

Weight 9.4 Water Loss 72.0 cc. Drill Pipe Length 3302 I. D. 3.8 in.

Chlorides 32,000 P.P.M. Test Tool Length 29 ft. Tool Size 5½ OD in.

Jars: Make WIC Serial Number 405 Anchor Length 39 ft. Size 5½ OD 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 4½ FH in.

Blow: Strong through both flow periods. Gas to surface in thirty-five minutes on final flow. Too small to measure.

Recovered 90 ft. of gas cut mud

Recovered 180 ft. of watery mud 67,000 ppm chlorides

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:00 A.M. P.M. Time Started Off Bottom 11:30 A.M. P.M. Maximum Temperature ?

Initial Hydrostatic Pressure		(A)	1878	P.S.I.	
Initial Flow Period	30 Minutes	(B)	32	P.S.I. to (C)	59 P.S.I.
Initial Closed In Period	60 Minutes	(D)	1371	P.S.I.	
Final Flow Period	60 Minutes	(E)	74	P.S.I. to (F)	120 P.S.I.
Final Closed In Period	Minutes	(G)	1301	P.S.I.	
Final Hydrostatic Pressure		(H)	1837	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 8/9/81 Test Ticket No. 12913

Recorder No. 5673 Capacity 5400 Location 3954 Ft.

Clock No. Elevation Well Temperature °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1878 P.S.I.		Open Tool	8:00A M	
B	First Initial Flow Pressure	32 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	59 P.S.I.		Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1371 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	74 P.S.I.		Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	120 P.S.I.				
G	Final Closed-in Pressure	1301 P.S.I.				
H	Final Hydrostatic Mud	1837 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	32
P 2 5	35
P 3 10	41
P 4 15	48
P 5 20	54
P 6 25	56
P 7 30	59
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.

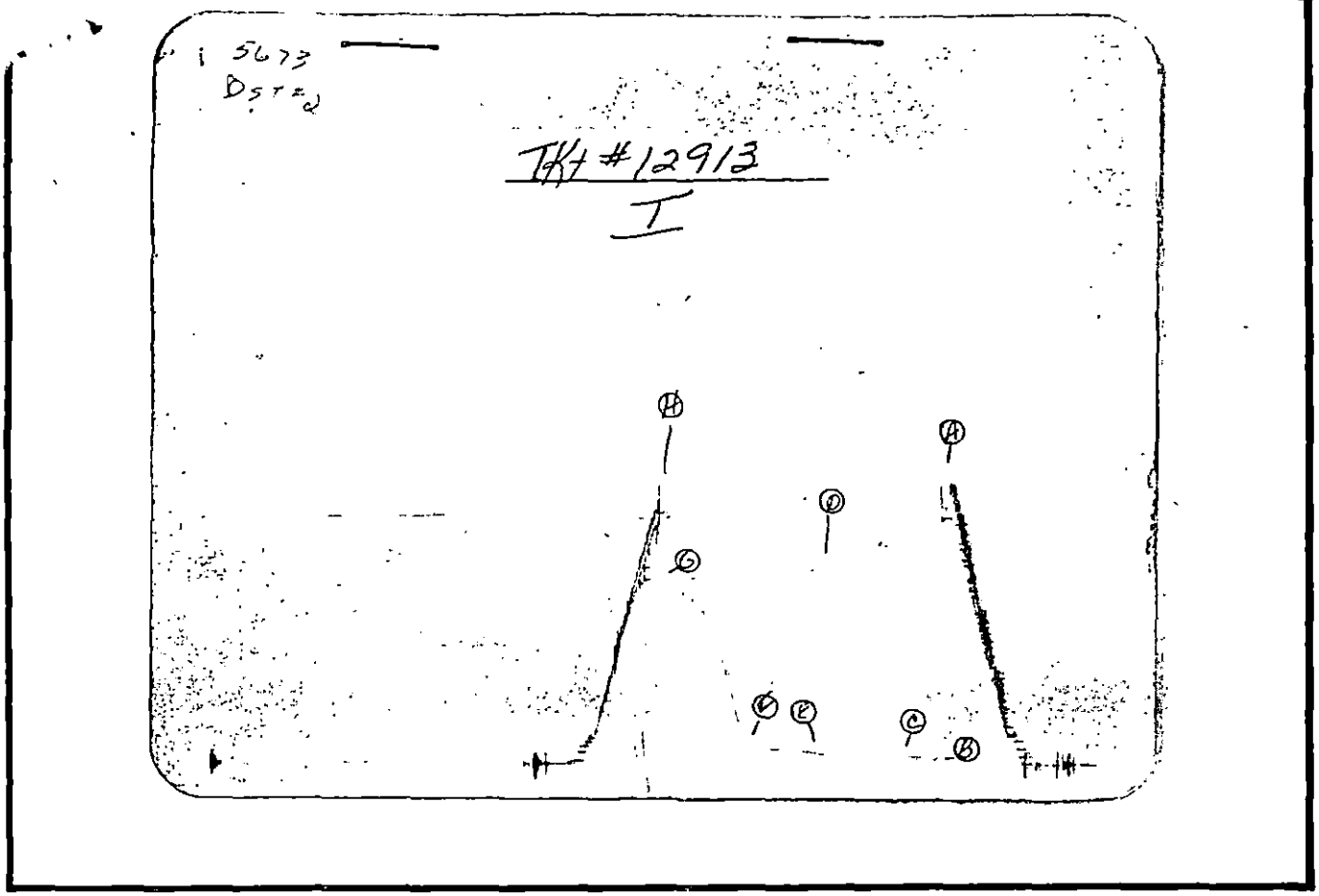
Point Minutes	Press.
0	59
3	178
6	287
9	413
12	541
15	664
18	781
21	891
24	991
27	1070
30	1138
33	1192
36	1233
39	1268
42	1293
45	1317
48	1333
51	1347
54	1360
57	1366
60	1371

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

Point Minutes	Press.
0	74
5	77
10	82
15	90
20	93
25	97
30	101
35	107
40	109
45	112
50	115
55	118
60	120

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

Point Minutes	Press.
0	120
3	224
6	322
9	424
12	519
15	623
18	724
21	820
24	902
27	975
30	1043
33	1100
36	1136
39	1171
42	1201
45	1225
48	1247
51	1263
54	1279
57	1290
60	1301



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1878	1878	PSI
(B)	First Initial Flow Pressure	40	32	PSI
(C)	First Final Flow Pressure	54	59	PSI
(D)	Initial Closed-in Pressure	1363	1371	PSI
(E)	Second Initial Flow Pressure	68	74	PSI
(F)	Second Final Flow Pressure	95	120	PSI
(G)	Final Closed-in Pressure	1308	1301	PSI
(H)	Final Hydrostatic Mud	1850	1837	PSI

COMPANY ANDARES OIL CORPORATION LEASE AND WELL NO. CHASTAIN #1 SEC. 24 TWP. 29S RGE. 14W TEST NO. 2 DATE 8/9/81

WESTERN TEST SERVERS

Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Antares Oil Corporation — Lease & Well No. Chastain #1

Elevation ---- — Formation Lansing — Effective Pay - Ft. — Ticket No. 12914

Date 8/10/81 — Sec. 24 — Twp. 29S — Range 14W — County Pratt — State Kansas

Test Approved by Douglas Davis, Jr. — Western Representative Jeff Piotrowski

Formation Test No. 3 — Interval Tested from 3949 ft. to 3975 ft. — Total Depth 3975 ft.

Packer Depth 3944 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3945 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3952 ft. — Recorder Number 5673 — Cap. 5400

Bottom Recorder Depth (Outside) 3955 ft. — Recorder Number 1565 — Cap. 4900

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

Drilling Contractor Gabbert-Jones Drlg. Rig #9 — Drill Collar Length 420 — I. D. 2.2 in.

Mud Type gel — Viscosity 42 — Weight Pipe Length - — I. D. - in.

Weight 9.4 — Water Loss 61.2 cc. — Drill Pipe Length 3490 — I. D. 3.8 in.

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

Jars: Make WIC — Serial Number 405 — Anchor Length 26 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 blow throughout test.

Recovered 180 ft. of gas cut mud

Recovered ____ ft. of

Recovered ____ ft. of

Recovered ____ ft. of

Recovered ____ ft. of

Remarks:

Time Set Packer(s) 8:35 A.M. P.M. — Time Started Off Bottom 12:05 ~~A.M.~~ P.M. — Maximum Temperature 116°

Initial Hydrostatic Pressure		(A) 2040	P.S.I.	
Initial Flow Period	Minutes 30	(B) 33	P.S.I. to (C) 33	P.S.I.
Initial Closed In Period	Minutes 57	(D) 1119 *	P.S.I.	
Final Flow Period	Minutes 60	(E) 52	P.S.I. to (F) 120	P.S.I.
Final Closed In Period	Minutes 60	(G) 224	P.S.I.	
Final Hydrostatic Pressure		(H) 2000	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 8/10/81 Test Ticket No. 12914

Recorder No. 5673 Capacity 5400 Location 3952 Ft.

Clock No. - Elevation - Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	2040 P.S.I.	Open Tool	8:35A M	
B First Initial Flow Pressure	33 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	33 P.S.I.	Initial Closed-in Pressure	60 Mins.	57 Mins.
D Initial Closed-in Pressure	1119 * P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	52 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	120 P.S.I.			
G Final Closed-in Pressure	224 P.S.I.			
H Final Hydrostatic Mud	2000 P.S.I.			

* PRESSURES QUESTIONABLE DUE TO TOOL BEING PICKED UP TOO HIGH

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	33
P 2 5	33
P 3 10	33
P 4 15	33
P 5 20	33
P 6 25	33
P 7 30	33
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 19 Inc. of 3 mins. and a final inc. of 0 Min.

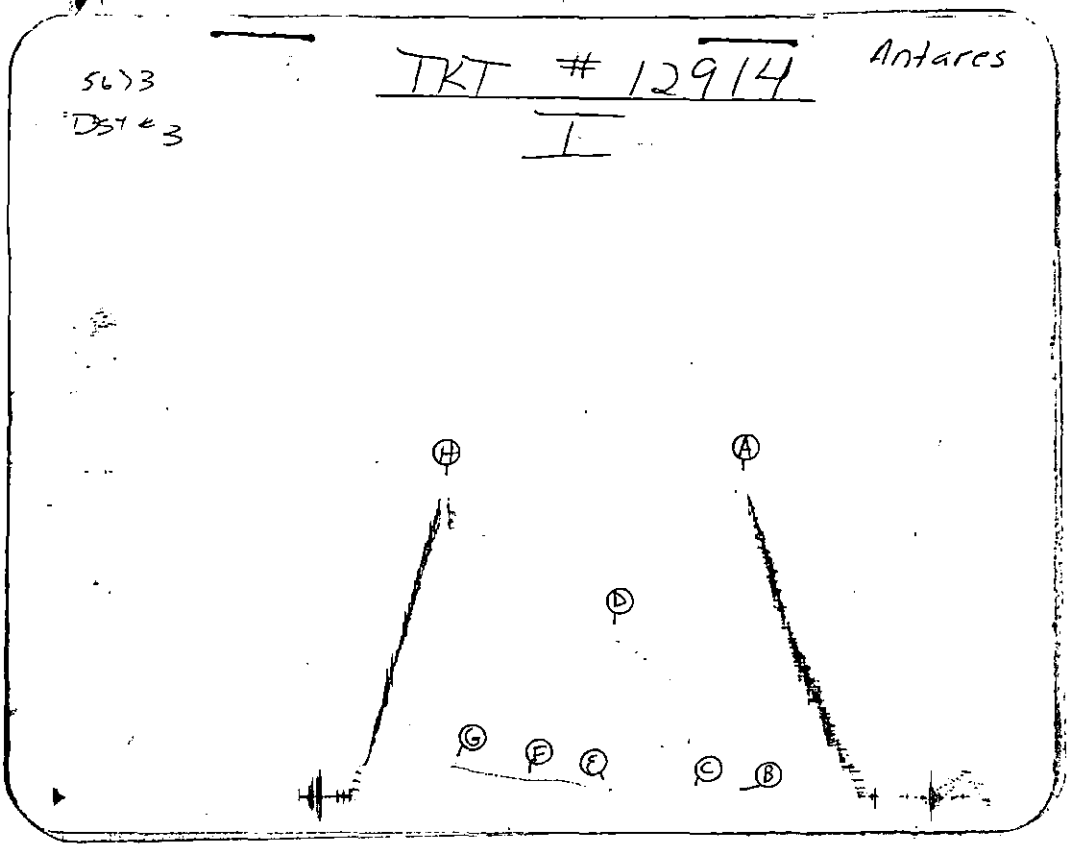
Point Minutes	Press.
0	33
3	574
6	915 *
9	861 *
12	836 *
15	833 *
18	842 *
21	866 *
24	893 *
27	921 *
30	946 *
33	970 *
36	995 *
39	1017*
42	1035*
45	1054*
48	1073*
51	1089*
54	1106*
57	1119*

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

Point Minutes	Press.
0	52
5	55
10	66
15	74
20	82
25	93
30	101
35	112
40	119
45	119
50	120
55	120
60	120

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

Point Minutes	Press.
0	120
3	122
6	126
9	131
12	137
15	141
18	145
21	150
24	157
27	161
30	167
33	172
36	178
39	185
42	189
45	194
48	199
51	205
54	210
57	219
60	224



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2040	2040	PSI
(B)	First Initial Flow Pressure	40	33	PSI
(C)	First Final Flow Pressure	40	33	PSI
(D)	Initial Closed-in Pressure	1105	1119 *	PSI
(E)	Second Initial Flow Pressure	54	52	PSI
(F)	Second Final Flow Pressure	109	120	PSI
(G)	Final Closed-in Pressure	218	224	PSI
(H)	Final Hydrostatic Mud	2000	2000	PSI

COMPANY ANTARES OIL CORPORATION LEASE AND WELL NO. CHASTAIN #1 SEC. 24 TWP. 29S RGE. 14W TEST NO. 3 DATE 8/10 /81

Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Antares Oil Corporation Lease & Well No. Chastain #1

Elevation -- Formation Lansing Effective Pay - Ft. Ticket No. 12915

Date 8/11/81 Sec. 24 Twp. 29S Range 14W County Pratt State Kansas

Test Approved by Douglas V. Davis, Jr. Western Representative Jeff Piotrowski

Formation Test No. 4 Interval Tested from 4167 ft. to 4180 ft. Total Depth 4180 ft.

Packer Depth 4162 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4167 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4170 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4173 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor ~~Gabbert-Jones Drilling Rig #9~~ Drill Collar Length 420 I. D. 2.2 in.

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

Weight 9.4 Water Loss 19.3 cc. Drill Pipe Length 3718 I. D. 3.8 in.

Chlorides 28,000 P.P.M. Test Tool Length 29 ft. Tool Size 5½OD in.

Jars: Make WIC Serial Number 405 Anchor Length 13 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: Weak, slowly building to strong on initial flow period. Weak slowly building to fair on final flow period.

Recovered 300 ft. of gas in pipe

Recovered 70 ft. of gas cut mud - few oil specks

Recovered 60 ft. of watery mud - few oil specks

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:50 ~~A.M.~~ P.M. Time Started Off Bottom 12:20 A.M. ~~P.M.~~ Maximum Temperature 118°

Initial Hydrostatic Pressure		(A) 2135	P.S.I.	
Initial Flow Period	Minutes 30	(B) 30	P.S.I. to (C) 57	P.S.I.
Initial Closed In Period	Minutes 60	(D) 1024	P.S.I.	
Final Flow Period	Minutes 60	(E) 65	P.S.I. to (F) 79	P.S.I.
Final Closed In Period	Minutes 60	(G) 1054	P.S.I.	
Final Hydrostatic Pressure		(H) 2048	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 8/11/81 Test Ticket No. 12915

Recorder No. 5673 Capacity 5400 Location 4170 Ft.

Clock No. == Elevation -= Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2135	P.S.I.	Open Tool 8:50P M	
B First Initial Flow Pressure	30	P.S.I.	First Flow Pressure 30 Mins.	30 Mins.
C First Final Flow Pressure	57	P.S.I.	Initial Closed-in Pressure 60 Mins.	60 Mins.
D Initial Closed-in Pressure	1024	P.S.I.	Second Flow Pressure 60 Mins.	60 Mins.
E Second Initial Flow Pressure	65	P.S.I.	Final Closed-in Pressure 60 Mins.	60 Mins.
F Second Final Flow Pressure	79	P.S.I.		
G Final Closed-in Pressure	1054	P.S.I.		
H Final Hydrostatic Mud	2048	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	30
P 2	5	33
P 3	10	41
P 4	15	46
P 5	20	52
P 6	25	54
P 7	30	57
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.

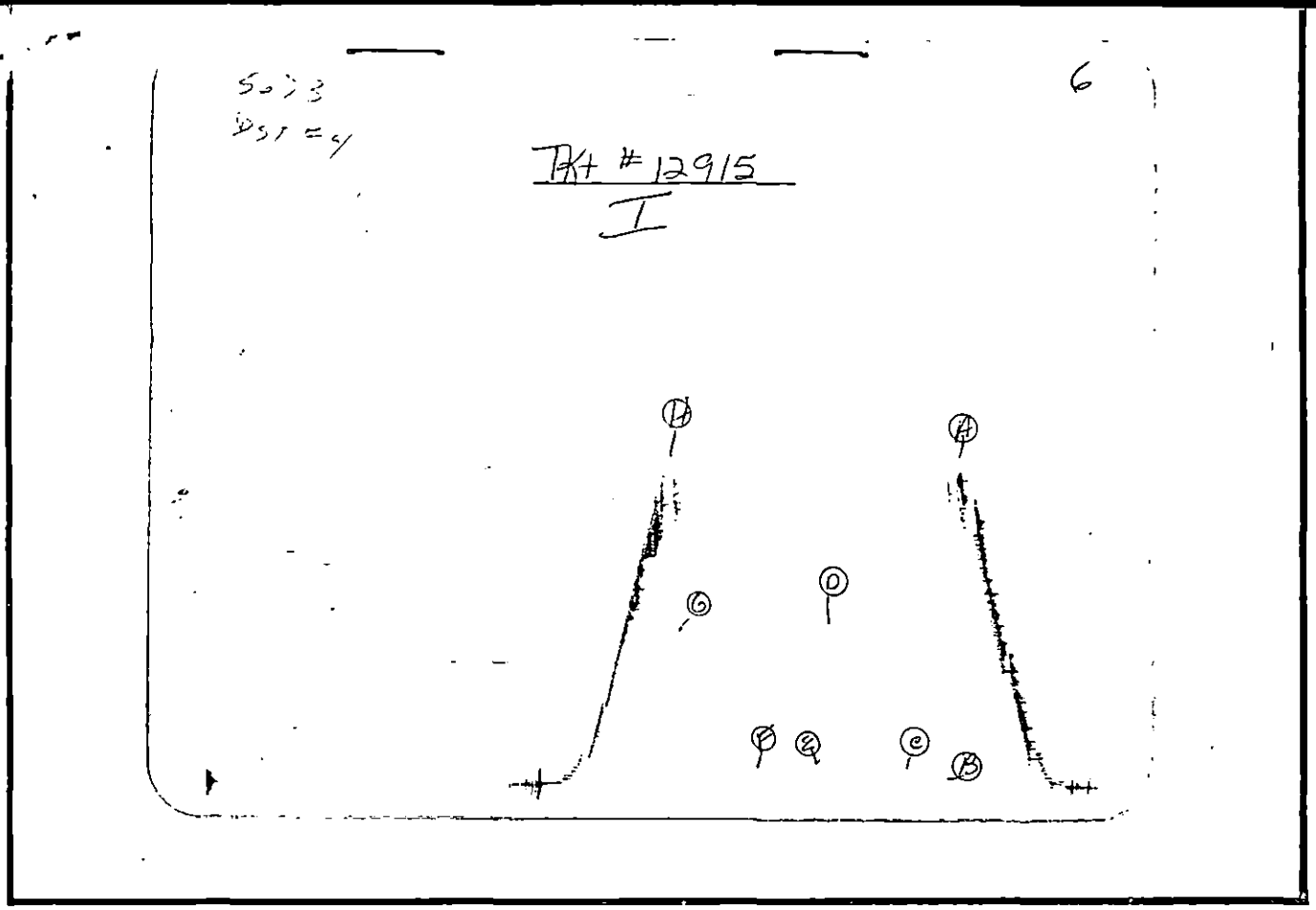
Point Minutes	Press.
0	57
3	85
6	120
9	172
12	243
15	328
18	418
21	532
24	614
27	650
30	691
33	735
36	781
39	825
42	861
45	899
48	932
51	961
54	989
57	1013
60	1024

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

Point Minutes	Press.
0	65
5	65
10	65
15	67
20	69
25	70
30	72
35	73
40	75
45	76
50	77
55	78
60	79

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

Point Minutes	Press.
0	79
3	96
6	120
9	148
12	186
15	235
18	303
21	374
24	450
27	546
30	634
33	757
36	844
39	874
42	948
45	980
48	1000
51	1068
54	1068
57	1056
60	1054



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2122	2135	PSI
(B)	First Initial Flow Pressure	27	30	PSI
(C)	First Final Flow Pressure	54	57	PSI
(D)	Initial Closed-in Pressure	1024	1024	PSI
(E)	Second Initial Flow Pressure	68	65	PSI
(F)	Second Final Flow Pressure	68	79	PSI
(G)	Final Closed-in Pressure	1037	1054	PSI
(H)	Final Hydrostatic Mud	2040	2048	PSI

COMPANY ANTARES OIL CORPORATION LEASE AND WELL NO. CHASTAIN #1 SEC. 24 TWP. 29S RGE. 14W TEST NO. 4 DATE 8/11/81

WESTERN TESTERS
Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Antares OilCorporation Lease & Well No. Chastain #1

Elevation --- Formation Lansing Effective Pay - Ft. Ticket No. 12916

Date 8/12/81 Sec. 24 Twp. 29S Range 14W County Pratt State Kansas

Test Approved by Douglas V. Davis, Jr. Western Representative Jeff Piotrowski

Formation Test No. 5 Interval Tested from 4251 ft. to 4285 ft. Total Depth 4285 ft.

Packer Depth 4246 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4251 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4254 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4257 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor Gabbert-Jones Drlg. Rig #9 Drill Collar Length 420 I. D. 2.2 in.

Mud Type starch Viscosity 43 Weight Pipe Length - I. D. - in.

Weight 9.4 Water Loss 8.2 cc. Drill Pipe Length 3802 I. D. 3.8 in.

Chlorides 23,000 P.P.M. Test Tool Length 29 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 405 Anchor Length 34 ft. Size 5½OD

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

Blow: Weak; died in twenty-five minutes on initial flow period. No blow on final flow period.

Recovered 20 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:35 ~~A.M.~~ P.M. Time Started Off Bottom 11:35 ~~A.M.~~ P.M. Maximum Temperature ?

Initial Hydrostatic Pressure		(A) 2245	P.S.I.	
Initial Flow Period	30 Minutes	(B) 43	P.S.I. to (C) 43	P.S.I.
Initial Closed In Period	30 Minutes	(D) 54	P.S.I.	
Final Flow Period	30 Minutes	(E) 45	P.S.I. to (F) 45	P.S.I.
Final Closed In Period	30 Minutes	(G) 48	P.S.I.	
Final Hydrostatic Pressure		(H) 2245	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 8/12/81 Test Ticket No. 12916

Recorder No. 5673 Capacity 5400 Location 4254 Ft.

Clock No. — Elevation — Well Temperature — °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2245 P.S.I.	Open Tool	9:35P 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	54 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	45 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	45 P.S.I.			
G Final Closed-in Pressure	48 P.S.I.			
H Final Hydrostatic Mud	2245 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 10 Inc.		Breakdown: 6 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	43	0	43	0	45	0	45
P 2 5	43	3	44	5	45	3	46
P 3 10	43	6	45	10	45	6	46
P 4 15	43	9	46	15	45	9	47
P 5 20	43	12	47	20	45	12	47
P 6 25	43	15	48	25	45	15	48
P 7 30	43	18	49	30	45	18	48
P 8		21	50			21	48
P 9		24	51			24	48
P10		27	52			27	48
P11		30	54			30	48
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WTC - 4

5623
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Tkt# 12916
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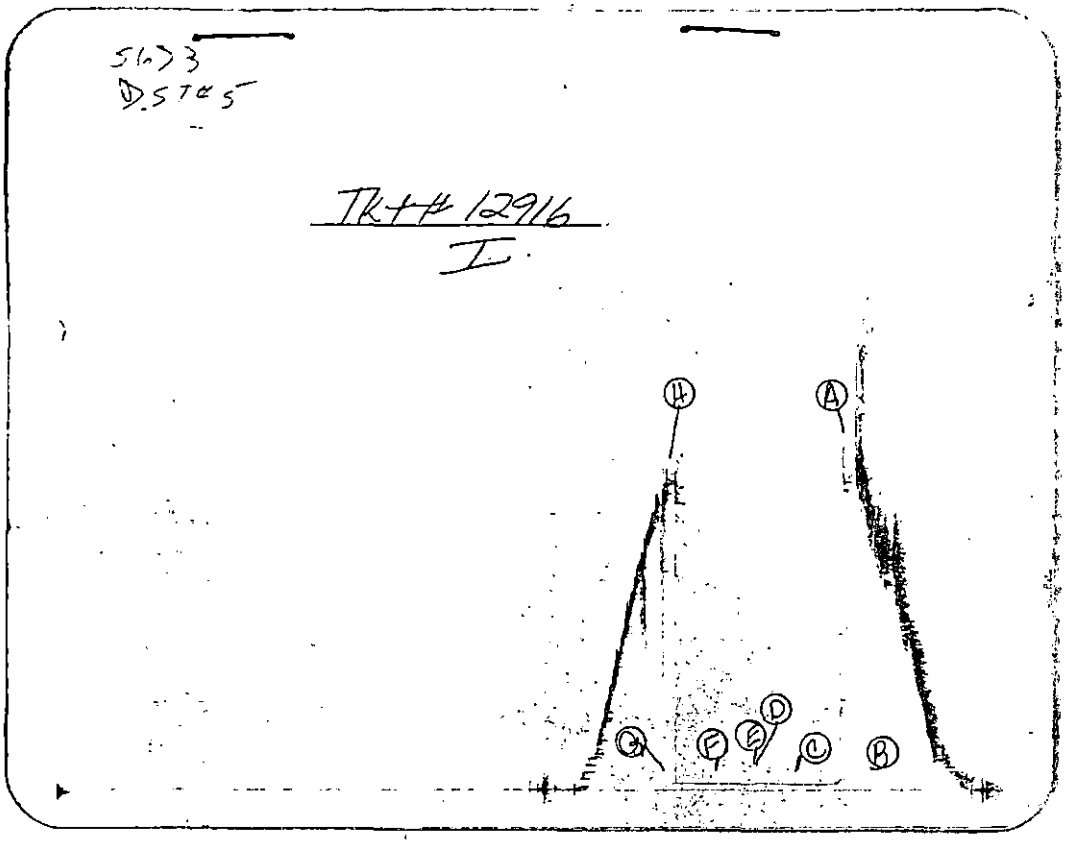

This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2203	2245	PSI
(B)	First Initial Flow Pressure	40	43	PSI
(C)	First Final Flow Pressure	40	43	PSI
(D)	Initial Closed-in Pressure	54	54	PSI
(E)	Second Initial Flow Pressure	40	45	PSI
(F)	Second Final Flow Pressure	40	45	PSI
(G)	Final Closed-in Pressure	54	48	PSI
(H)	Final Hydrostatic Mud	2203	2245	PSI

COMPANY ANTARES OIL CORPORATION LEASE AND WELL NO. CHASTAIN #1 SEC. 24 TWP. 29S RGE. 14W TEST NO. 5 DATE 8/12/81

WESTERN
Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Antares Oil Corporation Lease & Well No. Chastain #1

Elevation - Formation Lansing Effective Pay - Ft. Ticket No. 12917

Date 8/13/81 Sec. 24 Twp. 29S Range 14W County Pratt State Kansas

Test Approved by Douglas V. Davis, Jr. Western Representative Jeff Piotrowski

Formation Test No. 6 Interval Tested from 4290 ft. to 4314 ft. Total Depth 4314 ft.

Packer Depth 4285 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4290 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4293 ft. Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4296 ft. Recorder Number 1565 Cap. 4900

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

Drilling Contractor Gabbert - Jones Drlg. Rig #9 Drill Collar Length 420 I. D. 2.2 in.

Mud Type starch Viscosity 43 Weight Pipe Length - I. D. - in.

Weight 9.4 Water Loss 8.2 cc. Drill Pipe Length 3841 I. D. 3.8 in.

Chlorides 23,000 P.P.M. Test Tool Length 29 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 405 Anchor Length 24 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: Strong . Gas to surface in thirty- one minutes. Too small to measure.

Recovered 60 ft. of mud - few oil specks

Recovered 240 ft. of oil cut gassy mud 42% mud;5% water;28% oil;25% gas

Recovered 30 ft. of water

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:07 ~~A.M.~~ P.M. Time Started Off Bottom 4:07 ~~A.M.~~ P.M. Maximum Temperature 120°

Initial Hydrostatic Pressure ..... (A) 2163 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 52 P.S.I. to (C) 76 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1436 P.S.I.

Final Flow Period ..... Minutes 60 (E) 85 P.S.I. to (F) 119 P.S.I.

Final Closed In Period ..... Minutes 96 (G) 1293 P.S.I.

Final Hydrostatic Pressure ..... (H) 2122 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/13/81 Test Ticket No. 12917

Recorder No. 5673 Capacity 5400 Location 4293 Ft.

Clock No. - Elevation --- Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2163 P.S.I.	Open Tool	12:07P M	
B First Initial Flow Pressure	52 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	76 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1436 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	85 P.S.I.	Final Closed-in Pressure	90 Mins.	96 Mins.
F Second Final Flow Pressure	119 P.S.I.			
G Final Closed-in Pressure	1293 P.S.I.			
H Final Hydrostatic Mud	2122 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	52
P 2	5	52
P 3	10	52
P 4	15	57
P 5	20	66
P 6	25	71
P 7	30	76
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	76
	3	317
	6	538
	9	760
	12	926
	15	1054
	18	1146
	21	1211
	24	1257
	27	1290
	30	1320
	33	1341
	36	1360
	39	1377
	42	1390
	45	1398
	48	1412
	51	1420
	54	1425
	57	1431
	60	1436

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

Point	Minutes	Press.
	0	85
	5	85
	10	90
	15	96
	20	100
	25	104
	30	107
	35	109
	40	111
	45	115
	50	117
	55	118
	60	119

Final Shut-In
Breakdown: 32 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	119
	3	202
	6	301
	9	374
	12	465
	15	552
	18	628
	21	705
	24	768
	27	833
	30	888
	33	940
	36	986
	39	1027
	42	1062
	45	1087
	48	1111
	51	1133
	54	1152
	57	1168
	60	1184

continued next page

WESTERN TESTING CO., INC.

Pressure Data

Date 8/13/81 Test Ticket No. 12917

Recorder No. 5673 Capacity 5400 Location 4293 Ft.

Clock No. - Elevation --- Well Temperature 120 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2163 P.S.I.		Open Tool	12:07P M	
B	First Initial Flow Pressure	52 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	76 P.S.I.		Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1436 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	85 P.S.I.		Final Closed-in Pressure	90 Mins.	96 Mins.
F	Second Final Flow Pressure	119 P.S.I.				
G	Final Closed-in Pressure	1293 P.S.I.				
H	Final Hydrostatic Mud	2122 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: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 32 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	1198
P 2						66	1211
P 3						69	1222
P 4						72	1233
P 5						75	1244
P 6						78	1252
P 7						81	1260
P 8						84	1271
P 9						87	1276
P10						90	1285
P11						93	1290
P12						96	1293
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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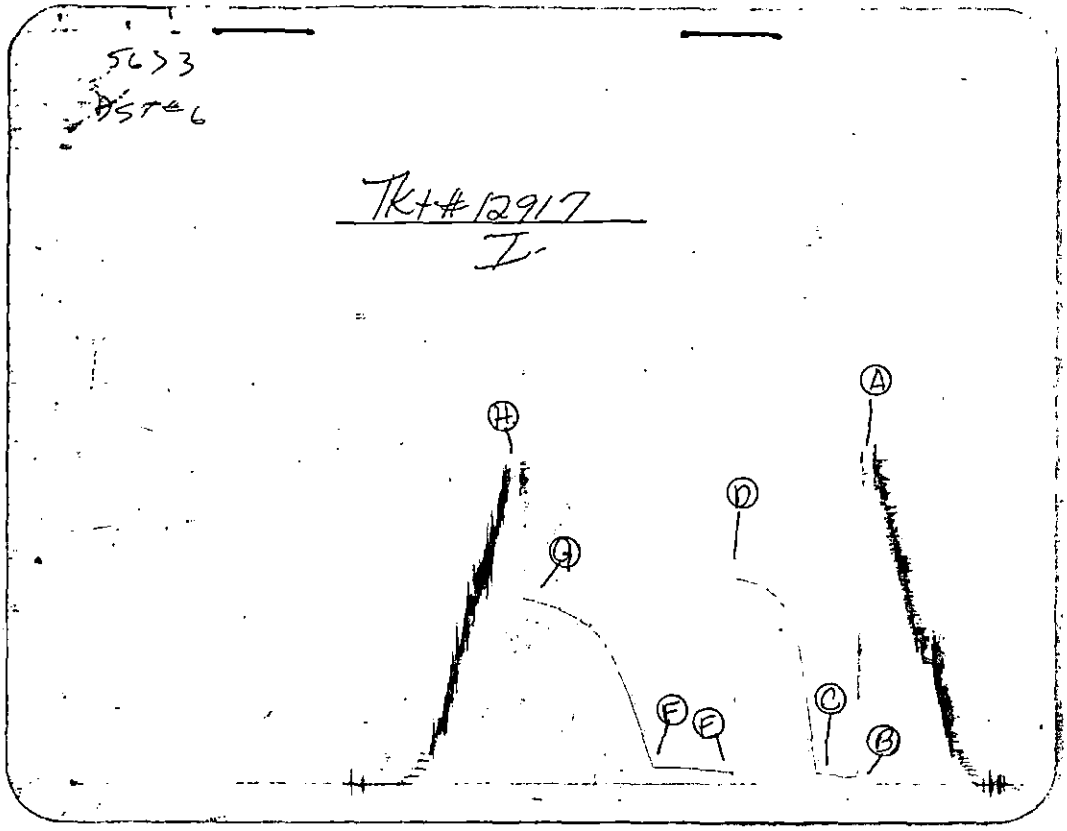

This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2163	2163	PSI
(B)	First Initial Flow Pressure	54	52	PSI
(C)	First Final Flow Pressure	68	76	PSI
(D)	Initial Closed-in Pressure	1430	1436	PSI
(E)	Second Initial Flow Pressure	81	85	PSI
(F)	Second Final Flow Pressure	122	119	PSI
(G)	Final Closed-in Pressure	1295	1293	PSI
(H)	Final Hydrostatic Mud	2108	2122	PSI

COMPANY ANTARES OIL CORPORATION LEASE AND WELL NO. CHASTAIN #1 SEC. 24 TWP. 29S RGE. 14W TEST NO. 6 DATE 8/13/81