

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

Operator: License # 30604

Name: Raydon Exploration, Inc.

Address P. O. Box 1816

City/State/Zip Liberal, KS 67905

Purchaser: WOPL

Operator Contact Person: Keith Hill

Phone (316) 624-0156

Contractor: Name: Eagle Drilling

License: 5380

Wellsite Geologist: T. M. Williams

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S10W Temp. Abd.
 Gas ENHR S1GW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

12-16-91 12-24-91 3-24-92
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22,385-00-00

County Barber

App. NE NW 9 34 13 E
Sec. Twp. Rge. W

530 Feet from S/N (circle one) Line of Section

3310 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
 SE, NW or SW (circle one)

Lease Name Donovan Well # 1-9

Field Name Wildcat

Producing Formation Mississippi

Elevation: Ground 1786 KB 1798

Total Depth 5075 PBTB 5051

Amount of Surface Pipe Set and Cemented at 433 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan ATLR
(Data must be collected from the Reserve Pit)

Chloride content 6000 ppm Fluid volume 12,000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 [Signature]

Title Agent Date 5-29-92

Subscribed and sworn to before me this 29th day of May 19 92

Notary Public Pamela Schartz

Date Commission Expires _____

NOTARY PUBLIC, STATE OF KANSAS
PAMELA SCHARTZ
My Appl. Exp. 3-26-92

RECEIVED
JUN 1 1992
KCC
KGS
CONSERVATION DIVISION
Wichita, Kansas

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received

Distribution
 SWD/Rep NGPA
 Plug Other (Specify)

Operator Name Raydon Exploration, Inc. Lease Name Donovan Well # 1-9

Sec. 9 Twp. 34 Rge. 13 East West
 County Barber

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Oread lm	4043	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner Sh	4079	
List All E.Logs Run:		Lansing/K.C.	4246	
Dual Induction Log		Swope ls	4675	
Gama Ray Caliper		Hertha lm	4704	
Compensated Neutron Spectralog		Mississippi	4842	
		Lwr. Miss.	4931	

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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#	433	Class A	181	3%CC 2% Gel
Production	7-7/8	4-1/2	10.5#	5077	Surefill	150	6% A-10 1% Gel
							10% Salt

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
	1	4866-4872	4873-4889	4935-4950	3200 gal 10% acid
				Frac w/68,000 gal Spectra FMC G-3000	
				w/18,000# 100 Mesh sand 140,000#	
				12/20 sand	

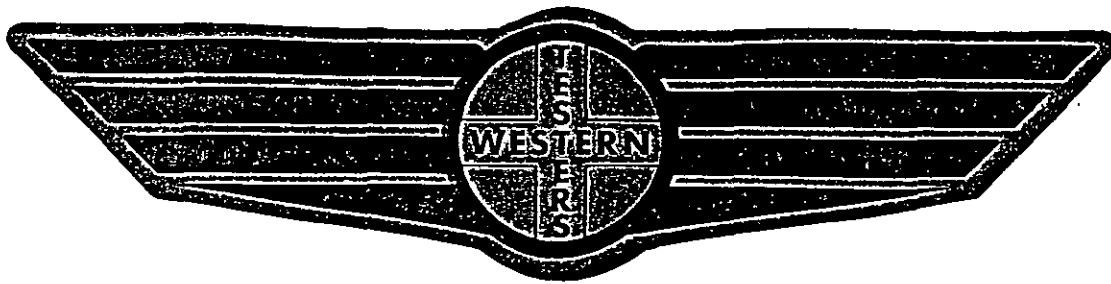
TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2-3/8	4959	None				
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
WOPL								
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	3.5		300		30	85.7 MCF/bbl		23°

Disposition of Gas:	<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease	METHOD OF COMPLETION	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	Production Interval
(If vented, submit ACO-18.)		<input type="checkbox"/> Other (Specify)		4866-4950

ORIGINAL

FORMATION TEST REPORT

COMPANY RAYDON EXPLORATION, INC. LEASE & WELL NO. DONOVAN #1-9 SEC. 9 TWP. 34S RGE. 13W TEST NO. 1 DATE 12/22/91



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800 - 688 - 7021

RECEIVED
STATE CORPORATION COMMISSION

JUN 1 1992

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	12/22/91	TICKET	:	17838
CUSTOMER	:	RAYDON EXPLORATION INC.	LEASE	:	DONOVAN
WELL	:	1-9 TEST: 1	GEOLOGIST	:	WILLIAMS
ELEVATION	:		FORMATION	:	MISSISSIPPI
SECTION	:	9	TOWNSHIP	:	34S
RANGE	:	13W COUNTY : BARBER	STATE	:	KANSAS
GAUGE SN#	:	10270 RANGE : 4150	CLOCK	:	12

INTERVAL FROM	:	4825	TO	:	4920	TOTAL DEPTH	:	4920
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4820	SIZE	:	6.63			
PACKER DEPTH	:	4825	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	EAGLE DRLG RIG 1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	50
WEIGHT	:	9.0	WATER LOSS (CC)	:	8.0
CHLORIDES (PPM)	:	4000			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	422
DID WELL FLOW ?	:		REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	550	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4250	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	25	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	95	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK BLOW THROUGHOUT-
 BLOW COMMENT #2 : 1/2 TO 2 1/2 INCHES.
 BLOW COMMENT #3 : FINAL FLOW PERIOD FAIR BLOW THROUGHOUT-
 BLOW COMMENT #4 : 4 TO 5 INCH BLOW.

ORIGINAL

RECOVERED : 45 FT OF: SLIGHTLY GAS CUT MUD-4%GAS, 96%MUD

Total Barrels Fluid = 0.21
Total Fluid Prod Rate = 3.38 BFPD
Indicated Wtr Rate = 0.32 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 10:30 AM TIME STARTED OFF BOTTOM : 3:00 PM
WELL TEMPERATURE : 132
INITIAL HYDROSTATIC PRESSURE (A) 2331
INITIAL FLOW PERIOD MIN: 30 (B) 47 PSI TO (C) : 49
INITIAL CLOSED IN PERIOD MIN: 60 (D) 330
FINAL FLOW PERIOD MIN: 60 (E) 51 PSI TO (F) : 51
FINAL CLOSED IN PERIOD MIN: 120 (G) 609
FINAL HYDROSTATIC PRESSURE (H) 2331

ORIGINAL

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : RAYDON EXPLORATION INC.
RIG : BARBER-KANSAS
FIELD : DONOVAN
WELL : 1-9
DATE : 12/22/91
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : RAYDON EXPLORATION INC.
 WELL : 1-9
 GAUGE # : 10270
 DATE : 22/12/91

FIELD : DONOVAN
 JOB # : 17838
 DEPTH : 4920
 TEST :

ORIGINAL

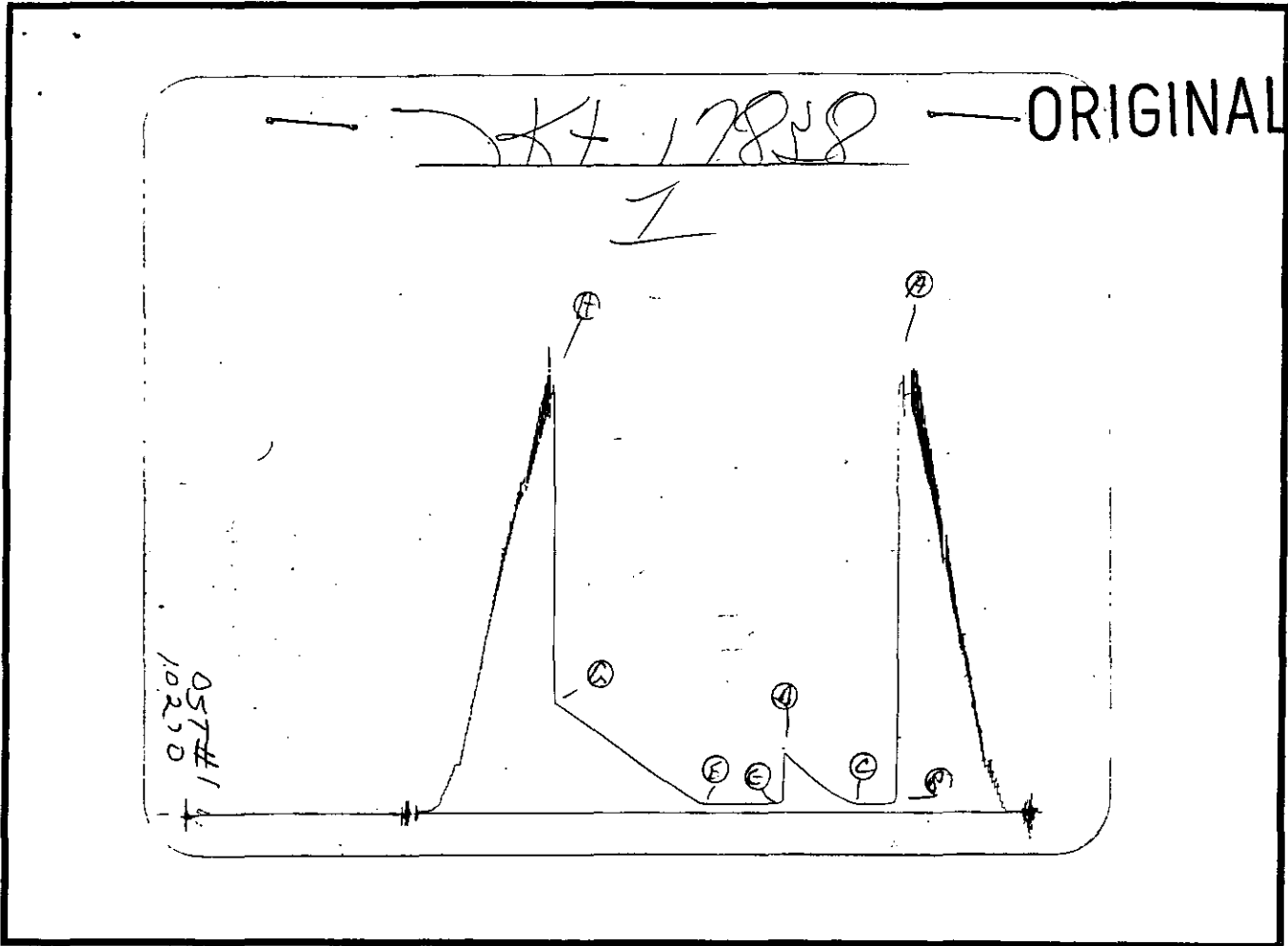
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	10:30: 0	0.000	47.000	132.00	0.000
3	10:34:59	0.083	47.000	132.00	0.000
4	10:40: 0	0.167	47.000	132.00	0.000
5	10:45: 0	0.250	47.000	132.00	0.000
6	10:49:59	0.333	47.000	132.00	0.000
7	10:55: 0	0.417	48.000	132.00	1.000
8	11: 0: 0	0.500	49.000	132.00	1.000
INITIAL SHUT-IN PERIOD					
9	11: 3: 0	0.550	50.000	132.00	1.000
10	11: 6: 0	0.600	54.000	132.00	4.000
11	11: 9: 0	0.650	66.000	132.00	12.000
12	11:12: 0	0.700	73.000	132.00	7.000
13	11:15: 0	0.750	84.000	132.00	11.000
14	11:18: 0	0.800	97.000	132.00	13.000
15	11:21: 0	0.850	106.000	132.00	9.000
16	11:24: 0	0.900	121.000	132.00	15.000
17	11:27: 0	0.950	135.000	132.00	14.000
18	11:30: 0	1.000	149.000	132.00	14.000
19	11:33: 0	1.050	168.000	132.00	19.000
20	11:36: 0	1.100	182.000	132.00	14.000
21	11:39: 0	1.150	202.000	132.00	20.000
22	11:42: 0	1.200	217.000	132.00	15.000
23	11:45: 0	1.250	237.000	132.00	20.000
24	11:48: 0	1.300	258.000	132.00	21.000
25	11:51: 0	1.350	276.000	132.00	18.000
26	11:54: 0	1.400	295.000	132.00	19.000
27	11:57: 0	1.450	315.000	132.00	20.000
28	12: 0: 0	1.500	330.000	132.00	15.000
FINAL FLOW PERIOD					
29	12: 1: 0	1.517	51.000	132.00	-279.000
30	12: 4:59	1.583	51.000	132.00	0.000
31	12:10: 0	1.667	51.000	132.00	0.000
32	12:15: 0	1.750	51.000	132.00	0.000
33	12:19:59	1.833	51.000	132.00	0.000
34	12:25: 0	1.917	51.000	132.00	0.000
35	12:30: 0	2.000	51.000	132.00	0.000
36	12:34:59	2.083	51.000	132.00	0.000
37	12:40: 0	2.167	51.000	132.00	0.000
38	12:45: 0	2.250	51.000	132.00	0.000
39	12:49:59	2.333	51.000	132.00	0.000
40	12:55: 0	2.417	51.000	132.00	0.000
41	13: 0: 0	2.500	51.000	132.00	0.000
FINAL SHUT-IN PERIOD					
42	13: 3: 0	2.550	56.000	132.00	5.000
43	13: 6: 0	2.600	63.000	132.00	7.000
44	13: 9: 0	2.650	76.000	132.00	13.000
45	13:12: 0	2.700	89.000	132.00	13.000
46	13:15: 0	2.750	102.000	132.00	13.000
47	13:18: 0	2.800	115.000	132.00	13.000
48	13:21: 0	2.850	130.000	132.00	15.000

COMPANY : RAYDON EXPLORATION INC.
 WELL : 179
 GAUGE # : 10270
 DATE : 22/12/91

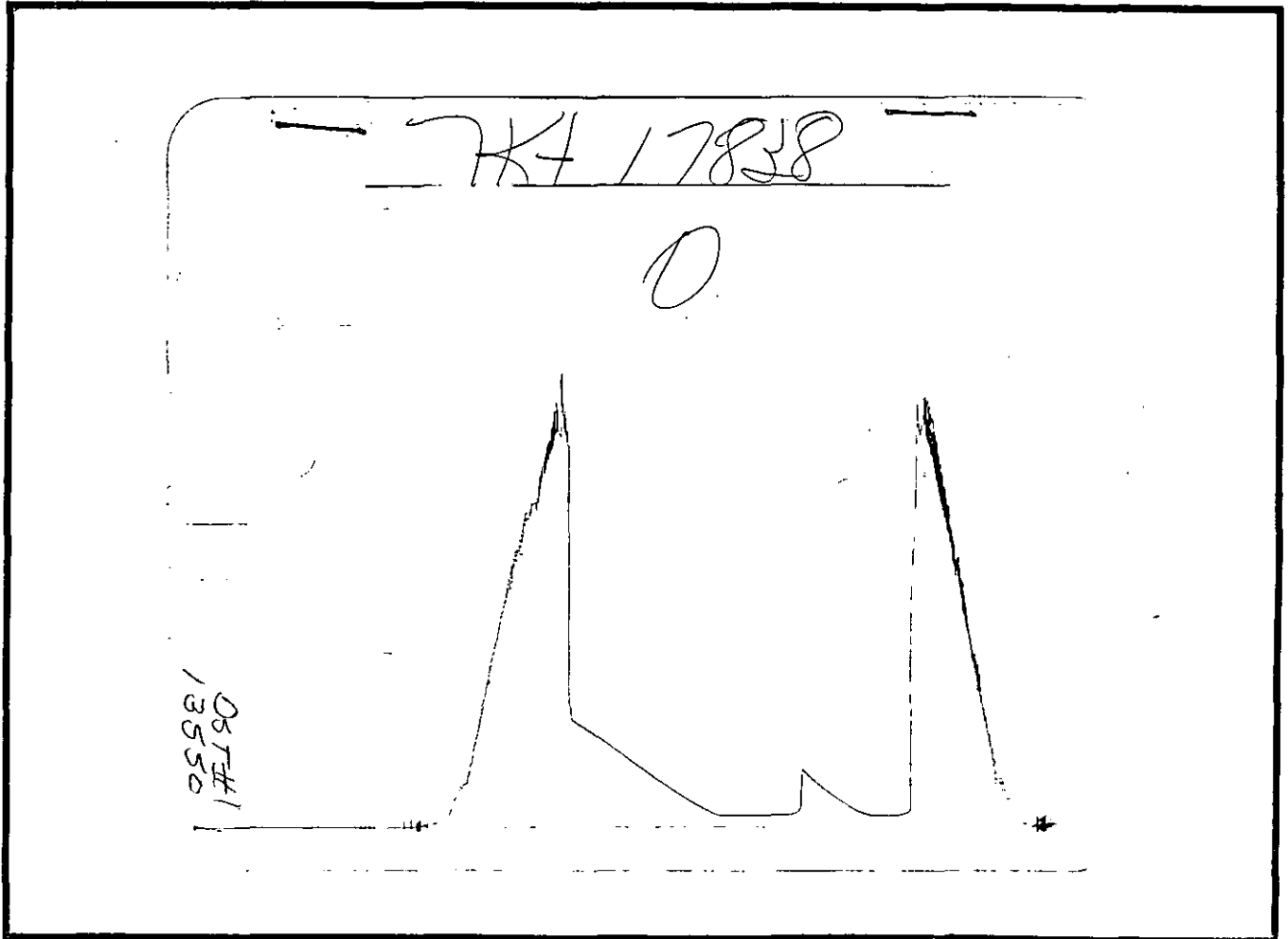
FIELD : DONOVAN
 JOB # : 17838
 DEPTH : 4920
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	13:24: 0	2.900	144.000	132.00	14.000
50	13:27: 0	2.950	156.000	132.00	12.000
51	13:30: 0	3.000	172.000	132.00	16.000
52	13:33: 0	3.050	179.000	132.00	7.000
53	13:36: 0	3.100	192.000	132.00	13.000
54	13:39: 0	3.150	207.000	132.00	15.000
55	13:42: 0	3.200	222.000	132.00	15.000
56	13:45: 0	3.250	237.000	132.00	15.000
57	13:48: 0	3.300	256.000	132.00	19.000
58	13:51: 0	3.350	269.000	132.00	13.000
59	13:54: 0	3.400	282.000	132.00	13.000
60	13:57: 0	3.450	300.000	132.00	18.000
61	14: 0: 0	3.500	315.000	132.00	15.000
62	14: 3: 0	3.550	333.000	132.00	18.000
63	14: 6: 0	3.600	349.000	132.00	16.000
64	14: 9: 0	3.650	363.000	132.00	14.000
65	14:12: 0	3.700	377.000	132.00	14.000
66	14:15: 0	3.750	393.000	132.00	16.000
67	14:18: 0	3.800	408.000	132.00	15.000
68	14:21: 0	3.850	424.000	132.00	16.000
69	14:24: 0	3.900	440.000	132.00	16.000
70	14:27: 0	3.950	455.000	132.00	15.000
71	14:30: 0	4.000	472.000	132.00	17.000
72	14:33: 0	4.050	487.000	132.00	15.000
73	14:36: 0	4.100	504.000	132.00	17.000
74	14:39: 0	4.150	518.000	132.00	14.000
75	14:42: 0	4.200	531.000	132.00	13.000
76	14:45: 0	4.250	548.000	132.00	17.000
77	14:48: 0	4.300	560.000	132.00	12.000
78	14:51: 0	4.350	575.000	132.00	15.000
79	14:54: 0	4.400	588.000	132.00	13.000
80	14:57: 0	4.450	603.000	132.00	15.000
81	15: 0: 0	4.500	609.000	132.00	6.000

WESTERN TESTING CO. INC.



Inside Recorder

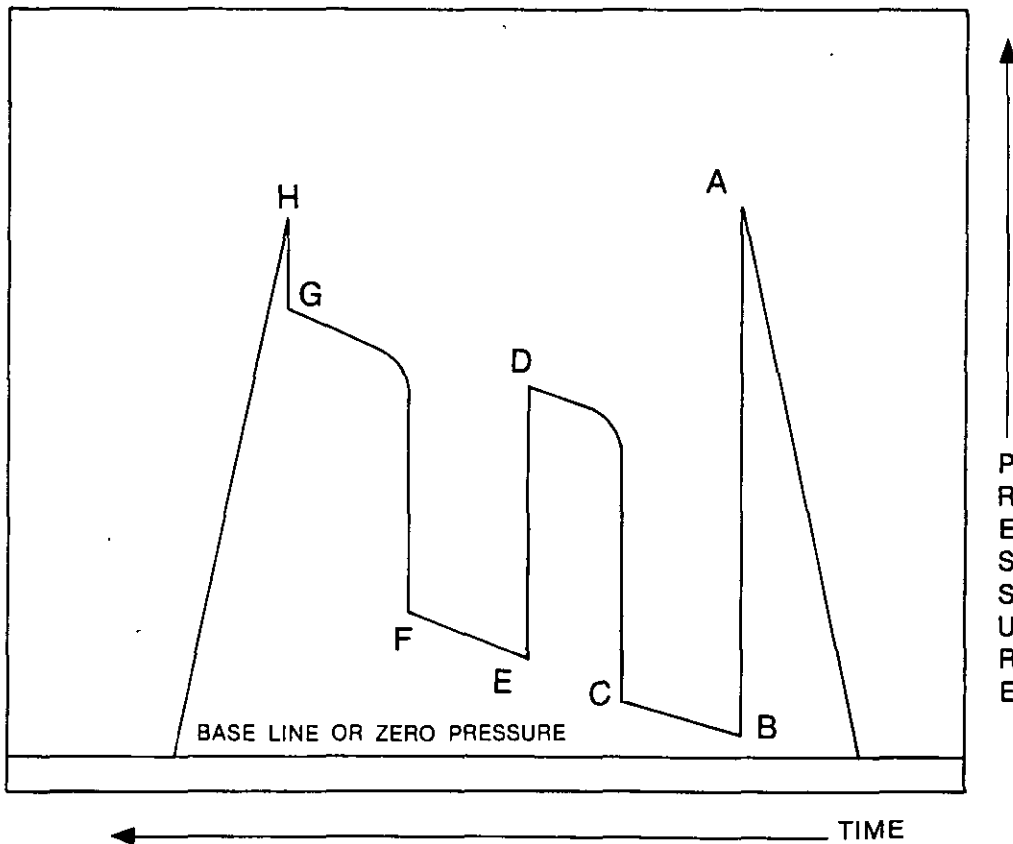


Outside Recorder

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.

AK-1 Recorders



A - Initial Hydrostatic

B - First Initial Flow

C - First Final Flow


D - Initial Shut-In

E - Second Initial Flow

F - Second Final Flow

G - Final Shut-In

H - Final Hydrostatic

 ATLAS WIRELINE SERVICES		DUAL INDUCTION FOCUSED LOG GAMMA RAY	
FILE NO.	COMPANY <u>RAYDON EXPLORATION</u>		
RPI NO.	WELL <u>DONOVAN NO. 1-9</u>		
<u>A15-007-22385</u>	FIELD <u>AETNA GAS AREA</u>		
	COUNTY <u>BARBER</u>		STATE <u>KANSAS</u>
FINAL PRINT	LOCATION: <u>530'FNL & 3310'FEL</u> <u>SEC 9 TWP 34S RGE 13W</u>		OTHER SERVICES <u>ZDLC/CN/SL/ML</u>
PERMANENT DATUM <u>GROUND LEVEL</u>		ELEV. <u>1786</u>	ELEVATIONS
LOGGING MEASURED FROM <u>K.B. 11</u>		FT. ABOVE P.D.	KB <u>1797</u>
DRILLING MEASURED FROM <u>KELLY BUSHING</u>			DF
			GL <u>1786</u>
DATE	<u>24-DEC-91</u>		
RUN	<u>1</u>		
SERVICE ORDER	<u>85068</u>		
DEPTH-DRILLER	<u>5075</u>		
DEPTH-LOGGER	<u>5078</u>		
BOTTOM LOGGED INTERVAL	<u>5076</u>		
TOP LOGGED INTERVAL	<u>434</u>		
CASING - DRILLER	<u>8 5/8</u>	@ <u>433.73</u>	@
CASING - LOGGER	<u>434</u>		
BIT SIZE	<u>7 7/8</u>		
TYPE FLUID IN HOLE	<u>CHEMICAL</u>		
DENSITY / VISCOSITY	<u>8.9</u>	<u>56</u>	
PH / FLUID LOSS	<u>9.5</u>	<u>7.6</u>	
SOURCE OF SAMPLE	<u>FLOWLINE</u>		
RM AT MEAS. TEMP.	<u>.896</u>	@ <u>68</u>	@
RMF AT MEAS. TEMP.	<u>.681</u>	@ <u>68</u>	@
RMC AT MEAS. TEMP.	<u>1.10</u>	@ <u>68</u>	@
SOURCE OF RMF / RMC	<u>M</u>	<u>M</u>	
RM AT BHT	<u>.491</u>	@ <u>124</u>	@
TIME SINCE CIRCULATION	<u>2 HRS.</u>		
MAX. REC. TEMP. DEG. F	<u>124</u>		
EQUIP. NO. / LOC.	<u>HL 6355</u>	<u>GREAT BEND</u>	
RECORDED BY	<u>DIRK BECKER</u>		
WITNESSED BY	<u>TOM WILLIAMS</u>		



**ATLAS
WIRELINE
SERVICES**

**GAMMA RAY LOG
CALIPER**

FILE NO.	COMPANY <u>RAYDON EXPLORATION</u>
API NO. <u>A15-007-22385</u>	WELL <u>DONOVAN NO. 1-9</u>
	FIELD <u>AETNA GAS AREA</u>
FINAL PRINT	COUNTY <u>BARBER</u> STATE <u>KANSAS</u>
	LOCATION: <u>530'FNL & 3310'FEL</u> <u>SEC 9 TWP 34S RGE 13W</u>
OTHER SERVICES DIFL/GR/SP ZOLC/CN/ML/SL	

PERMANENT DATUM <u>GROUND LEVEL</u> ELEV. <u>1786</u>	ELEVATIONS
LOGGING MEASURED FROM <u>K.B. 11</u> FT. ABOVE P.D.	KB 1797
DRILLING MEASURED FROM <u>KELLY BUSHING</u>	DF GL 1786

DATE	<u>24-DEC-91</u>	
RUN	<u>1</u>	
SERVICE ORDER	<u>85068</u>	
DEPTH-DRILLER	<u>5075</u>	
DEPTH-LOGGER	<u>5078</u>	
BOTTOM LOGGED INTERVAL	<u>5076</u>	
TOP LOGGED INTERVAL	<u>2200</u>	
CASING - DRILLER	<u>8 5/8</u>	<u>@ 433.73</u>
CASING - LOGGER	<u>434</u>	
BIT SIZE	<u>7 7/8</u>	
TYPE FLUID IN HOLE	<u>CHEMICAL</u>	
DENSITY / VISCOSITY	<u>8.9</u>	<u>56</u>
PH / FLUID LOSS	<u>9.5</u>	<u>7.6</u>
SOURCE OF SAMPLE	<u>FLOWLINE</u>	
RM AT MEAS. TEMP.	<u>.896</u>	<u>@ 68</u>
RMF AT MEAS. TEMP.	<u>.681</u>	<u>@ 68</u>
RMC AT MEAS. TEMP.	<u>1.10</u>	<u>@ 68</u>
SOURCE OF RMF / RMC	<u>M</u>	<u>M</u>
RM AT BHT	<u>.491</u>	<u>@ 124</u>
TIME SINCE CIRCULATION	<u>4 HRS.</u>	
MAX. REC. TEMP. DEG. F	<u>124</u>	
EQUIP. NO. / LOC.	<u>HL 6355</u>	<u>GREAT BEND</u>
RECORDED BY	<u>DIRK BECKER</u>	
WITNESSED BY	<u>TOM WILLIAMS</u>	

KANSAS RECEIVED
 1991 MAR 25 P 1:16
 DONOVAN