

ORIGINAL  
SIDE ONE

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

Operator: License # 3064  
Name: Raydon Exploration, Inc.  
Address 9400 Broadway  
Suite #400  
City/State/Zip Oklahoma City, OK 73114  
Purchaser: none  
Operator Contact Person: Steve Raybourn  
Phone (405) 478-8585

Contractor: Name: Eagle Drilling  
License: 05380

Wellsite Geologist: Tom Williams

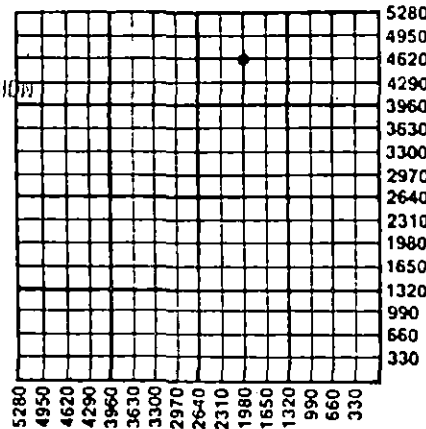
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

If **OWMO**: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
1-30-91 2-10-91 2-11-91  
Spud Date Date Reached TD Completion Date

API NO. 15- 033-20,809-0000  
County Comanche  
NW NE 4 Sec. 3 Twp. 34 Rge. 17  East West  
4620 Ft. North from Southeast Corner of Section  
1980 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name Meadows Well # R-1  
Field Name Wildcat  
Producing Formation N/A  
Elevation: Ground 1816' KB 1828'  
Total Depth 5975' PBDT 597'

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STATE CORPORATION COMMISSION  
MAR 20 1991  
3-20-91  
CONSERVATION DIVISION  
Wichita, Kansas



R 15 E 17 N

Amount of Surface Pipe Set and Cemented at 531' 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 cmt.

**INSTRUCTIONS:** This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 3-18-91  
Subscribed and sworn to before me this 18th day of March,  
19 91.  
Notary Public [Signature]  
Date Commission Expires August 16, 1994

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)

TARA BATMAN  
Notary Public - State of Kansas  
My Appl. Expires 8-16-94 Form ACO-1 (7-89)

SIDE TWO

Operator Name Raydon Exploration, Inc. Lease Name Meadows Well # R-1  
 Sec. 3 Twp. 34 Rge. 17  East  West  
 County Comanche

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 Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Dual Induction Log dated 2-10-91 included	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">Formation Description</th> </tr> <tr> <td></td> <td style="text-align: center;"><input type="checkbox"/> Log</td> <td style="text-align: center;"><input checked="" type="checkbox"/> Sample</td> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> <tr> <td>Anhydrite</td> <td style="text-align: center;">800'</td> <td style="text-align: center;">2329'</td> </tr> <tr> <td>Herington</td> <td style="text-align: center;">2330'</td> <td style="text-align: center;">2859'</td> </tr> <tr> <td>Cottonwood</td> <td style="text-align: center;">2860'</td> <td style="text-align: center;">3349'</td> </tr> <tr> <td>Stotler</td> <td style="text-align: center;">3350'</td> <td style="text-align: center;">4149'</td> </tr> <tr> <td>Heebner Shale</td> <td style="text-align: center;">4150'</td> <td style="text-align: center;">4349'</td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">4350'</td> <td style="text-align: center;">4909'</td> </tr> <tr> <td>Marmaton</td> <td style="text-align: center;">4910'</td> <td style="text-align: center;">4989'</td> </tr> <tr> <td>Cherokee</td> <td style="text-align: center;">4990'</td> <td style="text-align: center;">5049'</td> </tr> <tr> <td>Mississippi</td> <td style="text-align: center;">5050'</td> <td style="text-align: center;">5539'</td> </tr> <tr> <td>Viola</td> <td style="text-align: center;">5540'</td> <td style="text-align: center;">5729'</td> </tr> </table>	Formation Description				<input type="checkbox"/> Log	<input checked="" type="checkbox"/> Sample	Name	Top	Bottom	Anhydrite	800'	2329'	Herington	2330'	2859'	Cottonwood	2860'	3349'	Stotler	3350'	4149'	Heebner Shale	4150'	4349'	Lansing	4350'	4909'	Marmaton	4910'	4989'	Cherokee	4990'	5049'	Mississippi	5050'	5539'	Viola	5540'	5729'
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CASING RECORD	<input checked="" type="checkbox"/> New <input type="checkbox"/> Used Simpson DOL 5730' 5859' Arkbuckle 5860' 5974'
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
Conductor	12-1/4"	20"		77'	7-1/2 grout		
Surface	12-1/4"	8-5/8"	34	531'	lite	395	

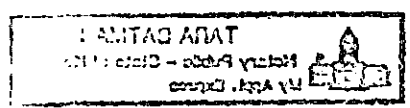
Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
None		None

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input type="checkbox"/> Perforation <input type="checkbox"/> Dually Completed <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval _____
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MAR 01 '91 11:47 1442

Houston, Tx. 77210

REMIT TO: P.O. Box 100305, Houston, Tx. 77212

ORIGINAL

15-033-20809-0000

P.2

SERVICE OPERATIONS CONTRACT

TERMS NET 30 DAYS FROM DATE OF CONTRACT

DATE 3/11/91 SERVICE CONTRACT NO. 636535

CUSTOMER ACCOUNT NO. DIST NAME/NO. NEW WELL [X] OLD WELL [ ] WELL TYPE [ ] JOB NUMBER 5009H

CUSTOMER KAYVEN EXPLORATION DIST NUMBER 24 WELL NO. 1 LEASE NAME & FEDERAL OFFSHORE LEASE NO. 1451100-2

ADDRESS 9400 N. FARMWAY DR. # 400 COUNTY/PARISH PENNANTHE CODE 1467 STATE LA CODE 14

CITY KILGORE (474) STATE OKLA ZIP 73214 FIELD NAME WELLSHAW CITY CODE

AUTHORIZED BY: (Please Print) E.J. WOODY JR. ORDER NO. WELL OWNER KAYVEN EXPLORATION MTA CODE

STAGE NO. JOB CODE 0113-154001 WORKING DEPTH 340 FT PUMPING EQUIPMENT TIME (A OR P) DATE

TOTAL PREV. GALS. SURFACE [ ] INTERMEDIATE [ ] PRODUCTION [ ] REMEDIAL [X] TRUCK CALLED 16:00:1 MM 8/31/91

TOTAL MEAS. DEPTH. SIZE HOLE 7 7/8" DEPTH 3975 FT ARRIVED AT JOB 11:00:1 03/11/91

SIZE & WT. CASING 3 7/8" 24# DEPTH 330 FT START OPERATION 12:30:1 03/11/91

SIZE & WT. DRILL PIPE OR TUBING 4 1/2" 16.6# DEPTH 340 FT FINISH OPERATION 3:00:1 03/11/91

PACKER DEPTH FLUID PUMPED TIME RELEASED 1:00 H MILES FROM STATION TO WELL 45 SALESMAN NUMBER

REVENUE EQUIPMENT (UNIT NUMBERS) EMPLOYEES ON JOB (EMPLOYEE NUMBER)

MAX. BPM 5.0

S/S EMPLOYEE NUMBER 666434

BLENDS CEMENT [ ] FRAC [ ] ACID [ ] SAND CONTROL [ ]

Table with columns: PRICE BOOK REF., PART NO., U/M, QTY., PART NO., U/M, QTY., PART NO., U/M, QTY. Includes a 'RECEIVED STATE CORPORATION COMMISSION' stamp dated MAR 20 1991.

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document.

PRICE BOOK 0.1

SIGNED: [Signature] (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

Main material list table with columns: PRICE BOOK REF. NO., QUANTITY, DESCRIPTION, UNIT PRICE, U/M, PRICE EXTENSION. Includes items like 1041021106, 104109002, etc.

SERVICE REPRESENTATIVE [Signature]

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



P.O. Box 4442  
Houston, Texas 77210

# ORIGINAL CEMENTING LOG

STAGE NO.

Date 2/11/91 District Medford Ticket No. 63635  
 Company WOODEN EXPLORATION Rig EAGLE #1  
 Lease Medford Well No. R-1  
 County COMANCHE State KAN-0-  
 Location 2-34-174 Field WELUCAT  
144# 193+ 160 125, 74E, 3/5  
 CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 3 1/8" Type \_\_\_\_\_ Weight 24# Collar \_\_\_\_\_

### CEMENT DATA:

Spacer Type: FRESH 1/2-0  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

TAIL: Pump Time \_\_\_\_\_ hrs. Type 40' 60' 6  
144# (CELLULOSE) Excess \_\_\_\_\_

Amt. 1.25 Sks Yield 1.33 ft<sup>3</sup>/sk Density 12.3 PPG \_\_\_\_\_

WATER: Lead \_\_\_\_\_ gals/sk Tail 7.3 gals/sk Total \_\_\_\_\_ Bbls. \_\_\_\_\_

Casing Depths: Top 378" 6L Bottom 530'

Pump Trucks Used 1492 MAX PULL  
 Bulk Equip. 2900-6433 JUSTIN HART

Drill Pipe: Size 4 1/2" Weight 16.6# Collars XH  
 Open Hole: Size 7 7/8" T.D. 597' ft. P.B. to \_\_\_\_\_ ft.

Float Equip: Manufacturer \_\_\_\_\_

Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_

Float: Type \_\_\_\_\_ Depth \_\_\_\_\_

### CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0627 Lin. ft./Bbl. 15.7

Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.39

Drill Pipe: Bbls/Lin. ft. .0427 Lin. ft./Bbl. 20.32

Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equip. \_\_\_\_\_

Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Disp. Fluid Type 1401 Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG \_\_\_\_\_

Mud Type CELLULOSE Weight \_\_\_\_\_ PPG \_\_\_\_\_

COMPANY REPRESENTATIVE EJ Woody, Jr

CEMENTER KEVIN BRUNOLDT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
11:00						ON LOCATION, AT 5:00
						JOINT SAFETY MEETING
12:30	100				5	SPOT SOX @ 340'
	100				5	SPOT SOX @ 360'
						SOLID BRIDGE @ 40' / 10SK
						CECULATE MUD @ 105'
3:00						CECULATE PATCH @ 155'

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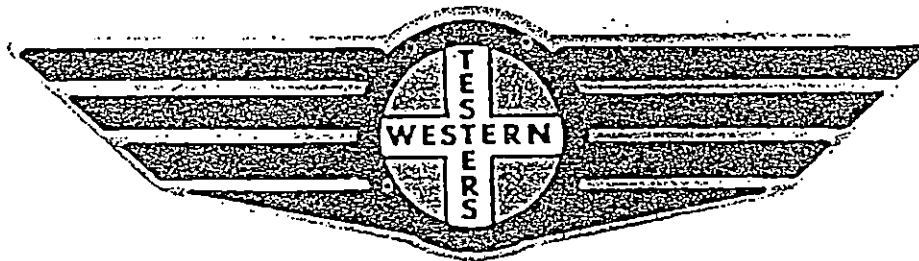
FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs. (THANK YOU)

ORIGINAL



# FORMATION TEST REPORT

COMPANY RAYDON EXPLORATION, INC. LEASE & WELL NO. MEADOWS #R-1 SEC. 3 TWP. 34S RGE. 17W TEST NO. 1 DATE 2/5/91



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

RECEIVED  
STATE CORPORATION COMMISSION

MAR 20 1991  
CONSERVATION DIVISION  
Wichita, Kansas

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 2-5-91  
CUSTOMER : RAYDON EXPLORATION INC.  
WELL : R-1 TEST: 1  
ELEVATION : 1828 KB  
SECTION : 3  
RANGE : 17W COUNTY : COMANCHE  
GAUGE SN# : 13552 RANGE : 4050  
TICKET : 16788  
LEASE : MEADOWS  
GEOLOGIST : T. WILLIAMS  
FORMATION : MISSISSIPPIAN  
TOWNSHIP : 34S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 5092 TO : 5145 TOTAL DEPTH : 5145  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 5087 SIZE : 6.63  
PACKER DEPTH : 5092 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : EAGLE RIG 1  
MUD TYPE : CHEMICAL VISCOSITY : 48  
WEIGHT : 9.1 WATER LOSS (CC) : 10.0  
CHLORIDES (PPM) : 4000  
JARS-MAKE : W.T.C. SERIAL NUMBER : 420  
DID WELL FLOW ? : YES REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 520 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4543 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 29 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 53 FT ANCHOR SIZE : 5.50  
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75  
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5FH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT FLOW PERIODS.  
BLOW COMMENT #2 :  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

ORIGINAL

RECOVERED : 60 FT OF GAS CUT MUD

Total Barrels Fluid = 0.30  
Total Fluid Prod Rate = 5.00 BFPD  
Indicated Wtr Rate = 0.50 BWPD

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

SET PACKER(S) :	11:30 P.M.	TIME STARTED OFF BOTTOM :	4:00 A.M.
WELL TEMPERATURE :	128		
INITIAL HYDROSTATIC PRESSURE		(A)	2441
INITIAL FLOW PERIOD MIN:	30	(B)	82 PSI TO (C) : 84
INITIAL CLOSED IN PERIOD MIN:	60	(D)	1829
FINAL FLOW PERIOD MIN:	55	(E)	66 PSI TO (F) : 75
FINAL CLOSED IN PERIOD MIN:	120	(G)	1857
FINAL HYDROSTATIC PRESSURE		(H)	2429

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WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report  
-----

COMPANY : RAYDON EXPLORATION INC.  
RIG : COMANCHE-KANSAS  
FIELD : MEADOWS  
WELL : R-1  
DATE : 2-5-91  
GAUGE NO : 13552

OPERATIONAL COMMENTS



# ORIGINAL

COMPANY : RAYDON EXPLORATION INC.  
 WELL : R-1  
 GAUGE # : 13552  
 DATE : 5/ 2/91

FIELD : MEADOWS  
 JOB # : 16788  
 DEPTH : 5145  
 TEST :

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	11:30: 0	0.000	82.000	128.00	0.000
3	11:34:59	0.083	82.000	128.00	0.000
4	11:40: 0	0.167	82.000	128.00	0.000
5	11:45: 0	0.250	82.000	128.00	0.000
6	11:49:59	0.333	82.000	128.00	0.000
7	11:55: 0	0.417	83.000	128.00	1.000
8	12: 0: 0	0.500	84.000	128.00	1.000
INITIAL SHUT-IN PERIOD					
9	12: 3: 0	0.550	326.000	128.00	242.000
10	12: 6: 0	0.600	704.000	128.00	378.000
11	12: 9: 0	0.650	982.000	128.00	278.000
12	12:12: 0	0.700	1157.000	128.00	175.000
13	12:15: 0	0.750	1289.000	128.00	132.000
14	12:18: 0	0.800	1381.000	128.00	92.000
15	12:21: 0	0.850	1453.000	128.00	72.000
16	12:24: 0	0.900	1512.000	128.00	59.000
17	12:27: 0	0.950	1567.000	128.00	55.000
18	12:30: 0	1.000	1614.000	128.00	47.000
19	12:33: 0	1.050	1651.000	128.00	37.000
20	12:36: 0	1.100	1683.000	128.00	32.000
21	12:39: 0	1.150	1710.000	128.00	27.000
22	12:42: 0	1.200	1734.000	128.00	24.000
23	12:45: 0	1.250	1757.000	128.00	23.000
24	12:48: 0	1.300	1777.000	128.00	20.000
25	12:51: 0	1.350	1791.000	128.00	14.000
26	12:54: 0	1.400	1804.000	128.00	13.000
27	12:57: 0	1.450	1817.000	128.00	13.000
28	13: 0: 0	1.500	1829.000	128.00	12.000
FINAL FLOW PERIOD					
29	13: 1: 0	1.517	66.000	128.00	-1763.000
30	13: 4:59	1.583	66.000	128.00	0.000
31	13:10: 0	1.667	66.000	128.00	0.000
32	13:15: 0	1.750	66.000	128.00	0.000
33	13:19:59	1.833	66.000	128.00	0.000
34	13:25: 0	1.917	68.000	128.00	2.000
35	13:30: 0	2.000	70.000	128.00	2.000
36	13:34:59	2.083	71.000	128.00	1.000
37	13:40: 0	2.167	72.000	128.00	1.000
38	13:45: 0	2.250	73.000	128.00	1.000
39	13:49:59	2.333	74.000	128.00	1.000
40	13:55: 0	2.417	75.000	128.00	1.000
FINAL SHUT-IN PERIOD					
41	13:58: 0	2.467	225.000	128.00	150.000
42	14: 1: 0	2.517	523.000	128.00	298.000
43	14: 4: 0	2.567	825.000	128.00	302.000
44	14: 7: 0	2.617	1046.000	128.00	221.000
45	14:10: 0	2.667	1186.000	128.00	140.000
46	14:13: 0	2.717	1276.000	128.00	90.000
47	14:16: 0	2.767	1359.000	128.00	83.000
48	14:19: 0	2.817	1425.000	128.00	66.000

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COMPANY : RAYDON EXPLORATION INC.  
WELL : R-1  
GAUGE # : 13552  
DATE : 5/ 2/91

FIELD : MEADOWS  
JOB # : 16788  
DEPTH : 5145  
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	14:22: 0	2.867	1495.000	128.00	70.000
50	14:25: 0	2.917	1543.000	128.00	48.000
51	14:28: 0	2.967	1584.000	128.00	41.000
52	14:31: 0	3.017	1625.000	128.00	41.000
53	14:34: 0	3.067	1655.000	128.00	30.000
54	14:37: 0	3.117	1684.000	128.00	29.000
55	14:40: 0	3.167	1710.000	128.00	26.000
56	14:43: 0	3.217	1732.000	128.00	22.000
57	14:46: 0	3.267	1748.000	128.00	16.000
58	14:49: 0	3.317	1762.000	128.00	14.000
59	14:52: 0	3.367	1774.000	128.00	12.000
60	14:55: 0	3.417	1787.000	128.00	13.000
61	14:58: 0	3.467	1796.000	128.00	9.000
62	15: 1: 0	3.517	1805.000	128.00	9.000
63	15: 4: 0	3.567	1812.000	128.00	7.000
64	15: 7: 0	3.617	1817.000	128.00	5.000
65	15:10: 0	3.667	1824.000	128.00	7.000
66	15:13: 0	3.717	1828.000	128.00	4.000
67	15:16: 0	3.767	1832.000	128.00	4.000
68	15:19: 0	3.817	1835.000	128.00	3.000
69	15:22: 0	3.867	1838.000	128.00	3.000
70	15:25: 0	3.917	1842.000	128.00	4.000
71	15:28: 0	3.967	1845.000	128.00	3.000
72	15:31: 0	4.017	1848.000	128.00	3.000
73	15:34: 0	4.067	1850.000	128.00	2.000
74	15:37: 0	4.117	1851.000	128.00	1.000
75	15:40: 0	4.167	1852.000	128.00	1.000
76	15:43: 0	4.217	1853.000	128.00	1.000
77	15:46: 0	4.267	1854.000	128.00	1.000
78	15:49: 0	4.317	1855.000	128.00	1.000
79	15:52: 0	4.367	1856.000	128.00	1.000
80	15:55: 0	4.417	1857.000	128.00	1.000

WESTERN TESTING CO. INC.

# ORIGINAL

## GAS FLOW REPORT

Date : 2-5-91 Ticket # : 16788  
Customer : RAYDON EXPLORATION INC. Lease : MEADOWS  
Well : R-1 Test : 1 Geologist : T. WILLIAMS  
Elevation (KB) : 1828 Formation : MISSISSIPPIAN  
Section : 3 Township : 24S  
Range : 17W County : COMANCHE State : KANSAS  
Gauge SN # : 13552 Range : 4050 Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
---------------------	-------------	----------------	-------------------	------------------

### PRE FLOW

=====

5 MIN.	MERLA	3/4"		GAS TO SURFACE
10 MIN.	MERLA	3/4"	17"WTR	58500 C.F.P.D.
20 MIN.	MERLA	3/4"	15"WTR	55200 C.F.P.D.
30 MIN.	MERLA	3/4"	13"WTR	51400 C.F.P.D.

### SECOND FLOW

=====

5 MIN.	MERLA	3/4"	36"WTR	85200 C.F.P.D.
10 MIN.	MERLA	3/4"	28"WTR	75100 C.F.P.D.
20 MIN.	MERLA	3/4"	14"WTR	53300 C.F.P.D.
30 MIN.	MERLA	3/4"	11"WTR	47200 C.F.P.D.
40 MIN.	MERLA	3/4"	11"WTR	47200 C.F.P.D.
50 MIN.	MERLA	3/4"	10"WTR	44800 C.F.P.D.
60 MIN.	MERLA	3/4"	10"WTR	44800 C.F.P.D.

Gas Bottle SN # :  
Date Bottle Filled : 2-5-91  
Date to be Invoiced : 2-5-91

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Wichita, Kansas

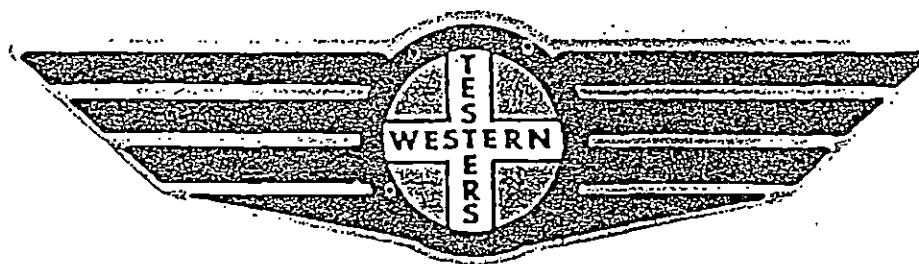
ORIGINAL

# FORMATION

# TEST

# REPORT

COMPANY RAYDON EXPLORATION, INC. LEASE & WELL NO. MEADOWS #R-1 SEC. 3 TWP. 34S RGE. 17W TEST NO. 2 DATE 2/6/91



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

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CONSERVATION DIVISION  
Wichita, Kansas

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 2-6-91 TICKET : 16789  
CUSTOMER : RAYDON EXPLORATION INC. LEASE : MEADOWS  
WELL : R-1 TEST: 2 GEOLOGIST : T. WILLIAMS  
ELEVATION : 1828 KB FORMATION : MISSISSIPPIAN  
SECTION : 3 TOWNSHIP : 34S  
RANGE : 17W COUNTY : COMANCHE STATE : KANSAS  
GAUGE SN# : 13552 RANGE : 4050 CLOCK : 12

INTERVAL FROM : 5146 TO : 5165 TOTAL DEPTH : 5165  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 5141 SIZE : 6.63  
PACKER DEPTH : 5146 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : EAGLE RIG 1  
MUD TYPE : CHEMICAL VISCOSITY : 48  
WEIGHT : 9.0 WATER LOSS (CC) : 8.0  
CHLORIDES (PPM) : 5000  
JARS-MAKE : W.T.C. SERIAL NUMBER : 420  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 550 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4567 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 29 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 19 FT ANCHOR SIZE : 5.50  
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75  
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5FH

BLOW COMMENT #1 : WEAK BLOW THROUGHOUT FLOW PERIODS.  
BLOW COMMENT #2 :  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

# ORIGINAL

RECOVERED : 5 FT OF: WATERY MUD (SPECKS OF OIL)  
RECOVERED : 120 FT OF: MUDDY WATER  
RECOVERED : 0 FT OF: CHLORIDES 120000 P.P.M.

Total Barrels Fluid = 0.61  
Total Fluid Prod Rate = 9.83 BFPD  
Indicated Wtr Rate = 4.80 BWPD

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

SET PACKER(S) : 4:40 P.M.  
WELL TEMPERATURE : 128

TIME STARTED OFF BOTTOM : 9:10 P.M.

INITIAL HYDROSTATIC PRESSURE		(A)	2509		
INITIAL FLOW PERIOD	MIN:	30	(B)	71	PSI TO (C) : 75
INITIAL CLOSED IN PERIOD	MIN:	60	(D)	1742	
FINAL FLOW PERIOD	MIN:	60	(E)	101	PSI TO (F) : 119
FINAL CLOSED IN PERIOD	MIN:	117	(G)	1780	
FINAL HYDROSTATIC PRESSURE			(H)	2490	

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MAR 20 1961

CONSERVATION DIVISION  
Wichita, Kansas

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report

COMPANY : RAYDON EXPLORATION INC.  
RIG : COMANCHE-KANSAS  
FIELD : MEADOWS  
WELL : R-1  
DATE : 2-6-91  
GAUGE NO : 13552

OPERATIONAL COMMENTS

# ORIGINAL

RECEIVED  
STATE CORPORATION COMMISSION

COMPANY : RAYDON EXPLORATION INC.  
WELL : R-1  
GAUGE # : 13552  
DATE : 6/ 2/91

FIELD : MEADOWS  
JOB # : 16789  
DEPTH : 5165  
TEST :

MAR 20 1991

CONSERVATION DIVISION  
Wichita, Kansas

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	4:40: 0	0.000	71.000	128.00	0.000
3	4:44:59	0.083	71.000	128.00	0.000
4	4:50: 0	0.167	71.000	128.00	0.000
5	4:55: 0	0.250	71.000	128.00	0.000
6	4:59:59	0.333	71.000	128.00	0.000
7	5: 5: 0	0.417	73.000	128.00	2.000
8	5:10: 0	0.500	75.000	128.00	2.000
INITIAL SHUT-IN PERIOD					
9	5:13: 0	0.550	81.000	128.00	6.000
10	5:16: 0	0.600	107.000	128.00	26.000
11	5:19: 0	0.650	188.000	128.00	81.000
12	5:22: 0	0.700	349.000	128.00	161.000
13	5:25: 0	0.750	644.000	128.00	295.000
14	5:28: 0	0.800	1036.000	128.00	392.000
15	5:31: 0	0.850	1228.000	128.00	192.000
16	5:34: 0	0.900	1336.000	128.00	108.000
17	5:37: 0	0.950	1419.000	128.00	83.000
18	5:40: 0	1.000	1485.000	128.00	66.000
19	5:43: 0	1.050	1529.000	128.00	44.000
20	5:46: 0	1.100	1569.000	128.00	40.000
21	5:49: 0	1.150	1602.000	128.00	33.000
22	5:52: 0	1.200	1628.000	128.00	26.000
23	5:55: 0	1.250	1653.000	128.00	25.000
24	5:58: 0	1.300	1675.000	128.00	22.000
25	6: 1: 0	1.350	1693.000	128.00	18.000
26	6: 4: 0	1.400	1710.000	128.00	17.000
27	6: 7: 0	1.450	1726.000	128.00	16.000
28	6:10: 0	1.500	1742.000	128.00	16.000
FINAL FLOW PERIOD					
29	6:11: 0	1.517	101.000	128.00	-1641.000
30	6:14:59	1.583	101.000	128.00	0.000
31	6:20: 0	1.667	101.000	128.00	0.000
32	6:25: 0	1.750	101.000	128.00	0.000
33	6:29:59	1.833	101.000	128.00	0.000
34	6:35: 0	1.917	103.000	128.00	2.000
35	6:40: 0	2.000	106.000	128.00	3.000
36	6:44:59	2.083	108.000	128.00	2.000
37	6:50: 0	2.167	110.000	128.00	2.000
38	6:55: 0	2.250	112.000	128.00	2.000
39	6:59:59	2.333	115.000	128.00	3.000
40	7: 5: 0	2.417	117.000	128.00	2.000
41	7:10: 0	2.500	119.000	128.00	2.000
FINAL SHUT-IN PERIOD					
42	7:13: 0	2.550	129.000	128.00	10.000
43	7:16: 0	2.600	159.000	128.00	30.000
44	7:19: 0	2.650	223.000	128.00	64.000
45	7:22: 0	2.700	319.000	128.00	96.000
46	7:25: 0	2.750	465.000	128.00	146.000
47	7:28: 0	2.800	668.000	128.00	203.000
48	7:31: 0	2.850	953.000	128.00	285.000



COMPANY : RAYDON EXPLORATION INC.  
WELL : R-1  
GAUGE # : 13552  
DATE : 6/ 2/91

FIELD : MEADOWS  
JOB # : 16789  
DEPTH : 5165  
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	7:34: 0	2.900	1141.000	128.00	188.000
50	7:37: 0	2.950	1240.000	128.00	99.000
51	7:40: 0	3.000	1316.000	128.00	76.000
52	7:43: 0	3.050	1383.000	128.00	67.000
53	7:46: 0	3.100	1432.000	128.00	49.000
54	7:49: 0	3.150	1470.000	128.00	38.000
55	7:52: 0	3.200	1504.000	128.00	34.000
56	7:55: 0	3.250	1531.000	128.00	27.000
57	7:58: 0	3.300	1558.000	128.00	27.000
58	8: 1: 0	3.350	1580.000	128.00	22.000
59	8: 4: 0	3.400	1597.000	128.00	17.000
60	8: 7: 0	3.450	1615.000	128.00	18.000
61	8:10: 0	3.500	1631.000	128.00	16.000
62	8:13: 0	3.550	1647.000	128.00	16.000
63	8:16: 0	3.600	1659.000	128.00	12.000
64	8:19: 0	3.650	1671.000	128.00	12.000
65	8:22: 0	3.700	1682.000	128.00	11.000
66	8:25: 0	3.750	1692.000	128.00	10.000
67	8:28: 0	3.800	1702.000	128.00	10.000
68	8:31: 0	3.850	1711.000	128.00	9.000
69	8:34: 0	3.900	1718.000	128.00	7.000
70	8:37: 0	3.950	1726.000	128.00	8.000
71	8:40: 0	4.000	1733.000	128.00	7.000
72	8:43: 0	4.050	1740.000	128.00	7.000
73	8:46: 0	4.100	1748.000	128.00	8.000
74	8:49: 0	4.150	1751.000	128.00	3.000
75	8:52: 0	4.200	1757.000	128.00	6.000
76	8:55: 0	4.250	1761.000	128.00	4.000
77	8:58: 0	4.300	1766.000	128.00	5.000
78	9: 1: 0	4.350	1771.000	128.00	5.000
79	9: 4: 0	4.400	1776.000	128.00	5.000
80	9: 7: 0	4.450	1780.000	128.00	4.000

WESTERN TESTING CO. INC.

ORIGINAL

# FORMATION

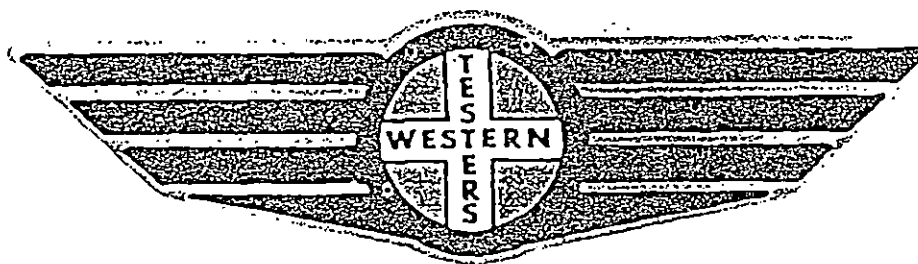
# TEST

# REPORT

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CONSERVATION DIVISION  
Wichita, Kansas



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY RAYDON EXPLORATION, INC. LEASE & WELL NO. MEADOWS #R-1 SEC. 3 TWP. 34S RGE. 17W TEST NO. 3 DATE 2/9/91

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 2-9-91 TICKET : 16823  
CUSTOMER : RAYDON EXPLORATION INC. LEASE : MEADOWS  
WELL : R-1 TEST: 3 GEOLOGIST : T. WILLIAMS  
ELEVATION : 1828 KB FORMATION : SIMPSON  
SECTION : 3 TOWNSHIP : 34S  
RANGE : 17W COUNTY : COMANCHE STATE : KANSAS  
GAUGE SN# : 1051 RANGE : 4250 CLOCK : 12

INTERVAL FROM : 5771 TO : 5800 TOTAL DEPTH : 5800  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 5766 SIZE : 6.63  
PACKER DEPTH : 5771 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : EAGLE DRILLING  
MUD TYPE : CHEMICAL VISCOSITY : 54  
WEIGHT : 9.1 WATER LOSS (CC) : 8.5  
CHLORIDES (PPM) : 5500  
JARS-MAKE : W.T.C. SERIAL NUMBER : 404  
DID WELL FLOW ? : NO REVERSED OUT ? : YES

DRILL COLLAR LENGTH : 549 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 5194 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 28 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 29 FT ANCHOR SIZE : 5.50  
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75  
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5FH

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG BLOW.  
BLOW COMMENT #2 : FINAL FLOW PERIOD STRONG BLOW DEPLEATING  
BLOW COMMENT #3 : TO A WEAK BLOW.  
BLOW COMMENT #4 :

# ORIGINAL

RECOVERED : 240 FT OF: GAS & WATER CUT MUD  
RECOVERED : 0 FT OF: 10%GAS:40%WATER:50%MUD  
RECOVERED : 4320 FT OF: WATER - CHLORIDES 114000 P.P.M.

Total Barrels Fluid = 58.96  
Total Fluid Prod Rate = 943.35 BFPD  
Indicated Wtr Rate = 913.56 BWPD

REMARK 1 :  
REMARK 2 : RECOVERED 120 FT. OF GAS ABOVE FLUID.  
REMARK 3 :  
REMARK 4 :

SET PACKER(S) : 4:15 A.M.                      TIME STARTED OFF BOTTOM : 8:40 A.M.  
WELL TEMPERATURE : 138  
INITIAL HYDROSTATIC PRESSURE                      (A) 2800  
INITIAL FLOW PERIOD                      MIN: 30                      (B) 1851    PSI TO (C) : 2157  
INITIAL CLOSED IN PERIOD                      MIN: 60                      (D) 2198  
FINAL FLOW PERIOD                      MIN: 60                      (E) 2198    PSI TO (F) : 2198  
FINAL CLOSED IN PERIOD                      MIN: 120                      (G) 2198  
FINAL HYDROSTATIC PRESSURE                      (H) 2766

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report  
-----

COMPANY : RAYDON EXPLORATION INC.  
RIG : COMANCHE-KANSAS  
FIELD : MEADOWS  
WELL : R-1  
DATE : 2-9-91  
GAUGE NO : 1051

OPERATIONAL COMMENTS

RECOVERED 120 FT. OF GAS ABOVE FLUID.

# ORIGINAL

COMPANY : RAYDON EXPLORATION INC.  
 WELL : R-1  
 GAUGE # : 1051  
 DATE : 9/ 2/91

FIELD : MEADOWS  
 JOB # : 16823  
 DEPTH : 5800  
 TEST :

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	4:15: 0	0.000	1851.000	138.00	0.000
3	4:19:59	0.083	1933.000	138.00	82.000
4	4:25: 0	0.167	1984.000	138.00	51.000
5	4:30: 0	0.250	2047.000	138.00	63.000
6	4:34:59	0.333	2096.000	138.00	49.000
7	4:40: 0	0.417	2131.000	138.00	35.000
8	4:45: 0	0.500	2157.000	138.00	26.000
INITIAL SHUT-IN PERIOD					
9	4:48: 0	0.550	2194.000	138.00	37.000
10	4:51: 0	0.600	2196.000	138.00	2.000
11	4:54: 0	0.650	2196.000	138.00	0.000
12	4:57: 0	0.700	2196.000	138.00	0.000
13	5: 0: 0	0.750	2198.000	138.00	2.000
14	5: 3: 0	0.800	2198.000	138.00	0.000
15	5: 6: 0	0.850	2198.000	138.00	0.000
16	5: 9: 0	0.900	2198.000	138.00	0.000
17	5:12: 0	0.950	2198.000	138.00	0.000
18	5:15: 0	1.000	2198.000	138.00	0.000
19	5:18: 0	1.050	2198.000	138.00	0.000
20	5:21: 0	1.100	2198.000	138.00	0.000
21	5:24: 0	1.150	2198.000	138.00	0.000
22	5:27: 0	1.200	2198.000	138.00	0.000
23	5:30: 0	1.250	2198.000	138.00	0.000
24	5:33: 0	1.300	2198.000	138.00	0.000
25	5:36: 0	1.350	2198.000	138.00	0.000
26	5:39: 0	1.400	2198.000	138.00	0.000
27	5:42: 0	1.450	2198.000	138.00	0.000
28	5:45: 0	1.500	2198.000	138.00	0.000
FINAL FLOW PERIOD					
29	5:46: 0	1.517	2198.000	138.00	0.000
30	5:49:59	1.583	2198.000	138.00	0.000
31	5:55: 0	1.667	2198.000	138.00	0.000
32	6: 0: 0	1.750	2198.000	138.00	0.000
33	6: 4:59	1.833	2198.000	138.00	0.000
34	6:10: 0	1.917	2198.000	138.00	0.000
35	6:15: 0	2.000	2198.000	138.00	0.000
36	6:19:59	2.083	2198.000	138.00	0.000
37	6:25: 0	2.167	2198.000	138.00	0.000
38	6:30: 0	2.250	2198.000	138.00	0.000
39	6:34:59	2.333	2198.000	138.00	0.000
40	6:40: 0	2.417	2198.000	138.00	0.000
41	6:45: 0	2.500	2198.000	138.00	0.000
FINAL SHUT-IN PERIOD					
42	6:48: 0	2.550	2198.000	138.00	0.000
43	6:51: 0	2.600	2198.000	138.00	0.000
44	6:54: 0	2.650	2198.000	138.00	0.000
45	6:57: 0	2.700	2198.000	138.00	0.000
46	7: 0: 0	2.750	2198.000	138.00	0.000
47	7: 3: 0	2.800	2198.000	138.00	0.000
48	7: 6: 0	2.850	2198.000	138.00	0.000

L  
COMPANY : RAYDON EXPLORATION INC.  
WELL : R-1  
GAUGE # : 1051  
DATE : 9/ 2/91

FIELD : MEADOWS  
JOB # : 16823  
DEPTH : 5800  
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	7: 9: 0	2.900	2198.000	138.00	0.000
50	7:12: 0	2.950	2198.000	138.00	0.000
51	7:15: 0	3.000	2198.000	138.00	0.000
52	7:18: 0	3.050	2198.000	138.00	0.000
53	7:21: 0	3.100	2198.000	138.00	0.000
54	7:24: 0	3.150	2198.000	138.00	0.000
55	7:27: 0	3.200	2198.000	138.00	0.000
56	7:30: 0	3.250	2198.000	138.00	0.000
57	7:33: 0	3.300	2198.000	138.00	0.000
58	7:36: 0	3.350	2198.000	138.00	0.000
59	7:39: 0	3.400	2198.000	138.00	0.000
60	7:42: 0	3.450	2198.000	138.00	0.000
61	7:45: 0	3.500	2198.000	138.00	0.000
62	7:48: 0	3.550	2198.000	138.00	0.000
63	7:51: 0	3.600	2198.000	138.00	0.000
64	7:54: 0	3.650	2198.000	138.00	0.000
65	7:57: 0	3.700	2198.000	138.00	0.000
66	8: 0: 0	3.750	2198.000	138.00	0.000
67	8: 3: 0	3.800	2198.000	138.00	0.000
68	8: 6: 0	3.850	2198.000	138.00	0.000
69	8: 9: 0	3.900	2198.000	138.00	0.000
70	8:12: 0	3.950	2198.000	138.00	0.000
71	8:15: 0	4.000	2198.000	138.00	0.000
72	8:18: 0	4.050	2198.000	138.00	0.000
73	8:21: 0	4.100	2198.000	138.00	0.000
74	8:24: 0	4.150	2198.000	138.00	0.000
75	8:27: 0	4.200	2198.000	138.00	0.000
76	8:30: 0	4.250	2198.000	138.00	0.000
77	8:33: 0	4.300	2198.000	138.00	0.000
78	8:36: 0	4.350	2198.000	138.00	0.000
79	8:39: 0	4.400	2198.000	138.00	0.000
80	8:42: 0	4.450	2198.000	138.00	0.000
81	8:45: 0	4.500	2198.000	138.00	0.000

WESTERN TESTING CO. INC.