

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  SVD  SIOV  Temp. Abd.  
 Gas  ENHR  SIGW  
 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/SVD  
 Plug Back  PBSD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SVD or Inj?)  Docket No. \_\_\_\_\_  
2-10-92 2-20-92 4-05-92  
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22,395-0000  
County Barber **ORIGINAL**  
NE/4 Sec. 6 Twp. 34 Rge. 14  <sup>E</sup>  <sup>W</sup>  
1440 Feet from S  (circle one) Line of Section  
1550 Feet from E  (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  SE, NW or SW (circle one)  
Lease Name North Z-Bar Well # R-1  
Field Name Wildcat  
Producing Formation Mississippi  
Elevation: Ground 1812' KB 1824'  
Total Depth 5110 PBSD 5083  
Amount of Surface Pipe Set and Cemented at 818 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.

Drilling Fluid Management Plan A17-2  
(Data must be collected from the Reserve Pit)  
Chloride content 9900 ppm Fluid volume 14,000 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 [Signature]  
Date Commission Expires \_\_\_\_\_

NOTARY PUBLIC STATE OF KANSAS  
PAMELA SCHARTZ  
My Appt. Exp. 3-26-96

RECEIVED  
STATE CORPORATION COMMISSION  
K.C.C. OFFICE USE ONLY  
Letter of Confidentiality Attached  
Wireline Log Received  
Geologist Report Received  
Distribution  
SVD/Rep \_\_\_\_\_ NSPA  
Plug \_\_\_\_\_ Other \_\_\_\_\_ (Specify)  
KANSAS CONSERVATION DIVISION  
Wichita, Kansas  
JUN 1 1992

SIDE TWO

Operator Name Raydon Exploration, Inc. Lease Name North Z-Bar Well # R-1

Sec. 6 Twp. 34 Rge. 14  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	Wabaunsee	3183	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stotler Im.	3335	
List All E.Logs Run:		Lecompton	3842	
Compensated Neutron Gama Ray		Elgin Sh	3887	
Gama Ray Caliper		Heebner Sh	4079	
Duel Induction Focused		Lansing	4283	
		Swope Im	4657	
		Hertha Im	4701	
		Cherokee Sh	4854	
		Mississippi	4864	

CASING RECORD <input checked="" 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#	818	Class H	420	3% CC 2% Gel
Production	7-7/8	4-1/2	10.5#	5108	Surefill	200	6% Gyp Seal 5% Salt 1% Gel

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	4864-75	4877-83	4885-98	Acidized 3900 gal 10% NE-FE
	4910-14	4922-34	4944-50		
				Fraced 56,000 gal Spectra Frac G-3000 w/15,000# 100 Mesh Sand & 120,000# 12/20 sand Liner Run	

TUBING RECORD Size 2-3/8" Set At 4838 Packer At None  Yes  No

Date of First, Resumed Production, SWD or Inj. WOPL Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	1/2	370	70	740 MCF/bbl	26°

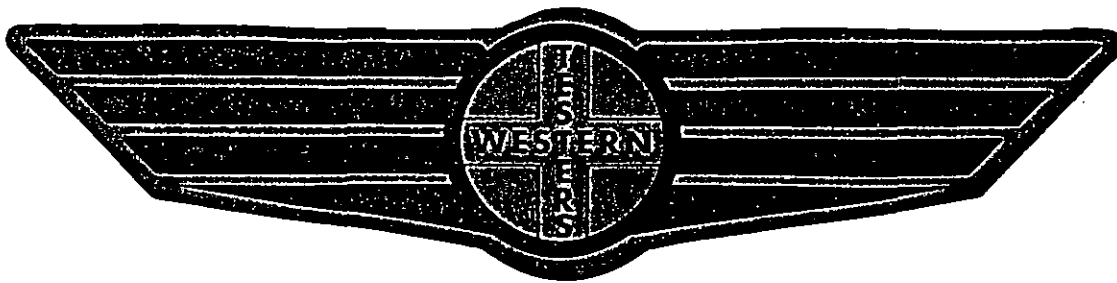
Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval 4864-4950

ORIGINAL

# FORMATION TEST REPORT



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

COMPANY RAYDON EXPLORATION, INC. LEASE & WELL NO. NORTH Z-BAR R-1 SEC. 6 TWP. 36S RGE. 14W TEST NO. 1 DATE 2/16/92

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 2-16-92 TICKET : 17630  
CUSTOMER : RAYDON EXPLORATION INC. LEASE : NORTH Z-BAR  
WELL : R-1 TEST: 1 GEOLOGIST : WILLIAMS  
ELEVATION : 1874 KB FORMATION : MISSISSIPPI  
SECTION : 6 TOWNSHIP : 34S  
RANGE : 14W COUNTY : BARBER STATE : KANSAS  
GAUGE SN# : 1051 RANGE : 4250 CLOCK : 12

INTERVAL FROM : 4864 TO : 4910 TOTAL DEPTH : 4910  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4859 SIZE : 6.63  
PACKER DEPTH : 4864 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : EAGLE DRILLING CO.  
MUD TYPE : CHEMICAL VISCOSITY : 53  
WEIGHT : 9.0 WATER LOSS (CC) : 9.2  
CHLORIDES (PPM) : 7000  
JARS-MAKE : W.T.C. SERIAL NUMBER : 404  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 522 FT I.D. inch : 2.25  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4314 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 28 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 46 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 STRONG BLOW IN 10 MINUTES.  
BLOW COMMENT #2 : FINAL FLOW PERIOD STRONG BLOW - NO GAS TO SURFACE.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

ORIGINAL

RECOVERED : 65 FT OF: GAS CUT MUD - 10%GAS

Total Barrels Fluid = 0.32  
Total Fluid Prod Rate = 5.11 BFPD  
Indicated Wtr Rate = 0.51 BWPD

REMARK 1 :  
REMARK 2 : RECOVERED 4300 FT. OF GAS ABOVE FLUID  
REMARK 3 :  
REMARK 4 :

SET PACKER(S) : 12:10 A.M.                      TIME STARTED OFF BOTTOM : 5:40 A.M.  
WELL TEMPERATURE : 124  
INITIAL HYDROSTATIC PRESSURE (A) 2376  
INITIAL FLOW PERIOD            MIN: 30            (B) 62    PSI TO (C) : 62  
INITIAL CLOSED IN PERIOD    MIN: 60            (D) 833  
FINAL FLOW PERIOD            MIN: 60            (E) 69    PSI TO (F) : 69  
FINAL CLOSED IN PERIOD      MIN: 186           (G) 897  
FINAL HYDROSTATIC PRESSURE (H) 2312

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report

COMPANY : RAYDON EXPLORATION INC.  
RIG : BARBER-KANSAS  
FIELD : NORTH Z-BAR  
WELL : R-1  
DATE : 2-16-92  
GAUGE NO : 1051

OPERATIONAL COMMENTS

RECOVERED 4300 FT. OF GAS ABOVE FLUID

ORIGINAL

COMPANY : RAYDON EXPLORATION INC.  
 WELL : R-1  
 GAUGE # : 1051  
 DATE : 16/ 2/92

FIELD : NORTH Z-BAR  
 JOB # : 17630  
 DEPTH : 4910  
 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	12:10: 0	0.000	62.000	124.00	0.000
3	12:14:59	0.083	62.000	124.00	0.000
4	12:20: 0	0.167	62.000	124.00	0.000
5	12:25: 0	0.250	62.000	124.00	0.000
6	12:29:59	0.333	62.000	124.00	0.000
7	12:35: 0	0.417	62.000	124.00	0.000
8	12:40: 0	0.500	62.000	124.00	0.000
INITIAL SHUT-IN PERIOD					
9	12:43: 0	0.550	84.000	124.00	22.000
10	12:46: 0	0.600	119.000	124.00	35.000
11	12:49: 0	0.650	143.000	124.00	24.000
12	12:52: 0	0.700	158.000	124.00	15.000
13	12:55: 0	0.750	216.000	124.00	58.000
14	12:58: 0	0.800	335.000	124.00	119.000
15	13: 1: 0	0.850	426.000	124.00	91.000
16	13: 4: 0	0.900	490.000	124.00	64.000
17	13: 7: 0	0.950	559.000	124.00	69.000
18	13:10: 0	1.000	618.000	124.00	59.000
19	13:13: 0	1.050	669.000	124.00	51.000
20	13:16: 0	1.100	708.000	124.00	39.000
21	13:19: 0	1.150	734.000	124.00	26.000
22	13:22: 0	1.200	757.000	124.00	23.000
23	13:25: 0	1.250	775.000	124.00	18.000
24	13:28: 0	1.300	791.000	124.00	16.000
25	13:31: 0	1.350	802.000	124.00	11.000
26	13:34: 0	1.400	815.000	124.00	13.000
27	13:37: 0	1.450	824.000	124.00	9.000
28	13:40: 0	1.500	833.000	124.00	9.000
FINAL FLOW PERIOD					
29	13:41: 0	1.517	69.000	124.00	-764.000
30	13:44:59	1.583	69.000	124.00	0.000
31	13:50: 0	1.667	69.000	124.00	0.000
32	13:55: 0	1.750	69.000	124.00	0.000
33	13:59:59	1.833	69.000	124.00	0.000
34	14: 5: 0	1.917	69.000	124.00	0.000
35	14:10: 0	2.000	69.000	124.00	0.000
36	14:14:59	2.083	69.000	124.00	0.000
37	14:20: 0	2.167	69.000	124.00	0.000
38	14:25: 0	2.250	69.000	124.00	0.000
39	14:29:59	2.333	69.000	124.00	0.000
40	14:35: 0	2.417	69.000	124.00	0.000
41	14:40: 0	2.500	69.000	124.00	0.000
FINAL SHUT-IN PERIOD					
42	14:43: 0	2.550	86.000	124.00	17.000
43	14:46: 0	2.600	122.000	124.00	36.000
44	14:49: 0	2.650	144.000	124.00	22.000
45	14:52: 0	2.700	163.000	124.00	19.000
46	14:55: 0	2.750	172.000	124.00	9.000
47	14:58: 0	2.800	188.000	124.00	16.000
48	15: 1: 0	2.850	224.000	124.00	36.000

COMPANY : RAYDON EXPLORATION INC.  
 WELL : R-1  
 GAUGE # : 1051  
 DATE : 16/ 2/92

FIELD : NORTH Z-BAR  
 JOB # : 17630  
 DEPTH : 4910  
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	15: 4: 0	2.900	302.000	124.00	78.000
50	15: 7: 0	2.950	389.000	124.00	87.000
51	15:10: 0	3.000	462.000	124.00	73.000
52	15:13: 0	3.050	516.000	124.00	54.000
53	15:16: 0	3.100	570.000	124.00	54.000
54	15:19: 0	3.150	624.000	124.00	54.000
55	15:22: 0	3.200	661.000	124.00	37.000
56	15:25: 0	3.250	687.000	124.00	26.000
57	15:28: 0	3.300	708.000	124.00	21.000
58	15:31: 0	3.350	723.000	124.00	15.000
59	15:34: 0	3.400	738.000	124.00	15.000
60	15:37: 0	3.450	751.000	124.00	13.000
61	15:40: 0	3.500	764.000	124.00	13.000
62	15:43: 0	3.550	772.000	124.00	8.000
63	15:46: 0	3.600	782.000	124.00	10.000
64	15:49: 0	3.650	789.000	124.00	7.000
65	15:52: 0	3.700	796.000	124.00	7.000
66	15:55: 0	3.750	804.000	124.00	8.000
67	15:58: 0	3.800	808.000	124.00	4.000
68	16: 1: 0	3.850	815.000	124.00	7.000
69	16: 4: 0	3.900	819.000	124.00	4.000
70	16: 7: 0	3.950	823.000	124.00	4.000
71	16:10: 0	4.000	827.000	124.00	4.000
72	16:13: 0	4.050	831.000	124.00	4.000
73	16:16: 0	4.100	835.000	124.00	4.000
74	16:19: 0	4.150	839.000	124.00	4.000
75	16:22: 0	4.200	842.000	124.00	3.000
76	16:25: 0	4.250	845.000	124.00	3.000
77	16:28: 0	4.300	848.000	124.00	3.000
78	16:31: 0	4.350	852.000	124.00	4.000
79	16:34: 0	4.400	856.000	124.00	4.000
80	16:37: 0	4.450	859.000	124.00	3.000
81	16:40: 0	4.500	862.000	124.00	3.000
82	16:43: 0	4.550	865.000	124.00	3.000
83	16:46: 0	4.600	867.000	124.00	2.000
84	16:49: 0	4.650	869.000	124.00	2.000
85	16:52: 0	4.700	871.000	124.00	2.000
86	16:55: 0	4.750	873.000	124.00	2.000
87	16:58: 0	4.800	875.000	124.00	2.000
88	17: 1: 0	4.850	877.000	124.00	2.000
89	17: 4: 0	4.900	879.000	124.00	2.000
90	17: 7: 0	4.950	881.000	124.00	2.000
91	17:10: 0	5.000	883.000	124.00	2.000
92	17:13: 0	5.050	885.000	124.00	2.000
93	17:16: 0	5.100	887.000	124.00	2.000
94	17:19: 0	5.150	889.000	124.00	2.000
95	17:22: 0	5.200	890.000	124.00	1.000
96	17:25: 0	5.250	891.000	124.00	1.000
97	17:28: 0	5.300	892.000	124.00	1.000
98	17:31: 0	5.350	893.000	124.00	1.000
99	17:34: 0	5.400	894.000	124.00	1.000
100	17:37: 0	5.450	895.000	124.00	1.000



ORIGINAL

COMPANY : RAYDON EXPLORATION INC.  
WELL : R-1  
GAUGE # : 1051  
DATE : 16/ 2/92

FIELD : NORTH Z-BAR  
JOB # : 17630  
DEPTH : 4910  
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
101	17:40: 0	5.500	896.000	124.00	1.000
102	17:43: 0	5.550	897.000	124.00	1.000
103	17:46: 0	5.600	897.000	124.00	0.000

WESTERN TESTING CO. INC.