

ORIGINAL

KCC

JUL 25

RELEASED

AUG 25 1992

SIDE ONE

CONFIDENTIAL

FROM CONFIDENTIAL

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

API NO. 15- 033-20,823-00:00

County Comanche

W/2 SE/4 Sec. 32 Twp. 31S Rge. 16 XX East West

1320 Ft. North from Southeast Corner of Section

1980 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

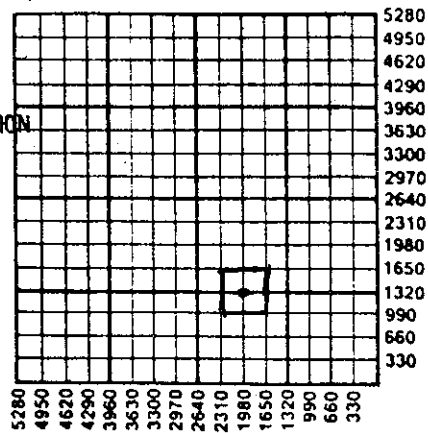
Lease Name York Well # 1-32

Field Name Wildcat

Producing Formation Mississippi

Elevation: Ground 1960 KB

Total Depth 5327 PBTD



Handwritten note: AIR DYN

Amount of Surface Pipe Set and Cemented at 577 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Operator: License # 30604

Name: Raydon Exploration, Inc.

Address 9400 N. Broadway, Suite #400

City/State/Zip Oklahoma City, OK 73114

Purchaser: N/A

Operator Contact Person: Keith Hill

Phone (316) 624-0156

Contractor: Name: White & Ellis Drilling

License: 5420

Wellsite Geologist: Havelan Tower

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWD: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

6-27-91 7-14-91 7-14-91

Spud Date Date Reached TD Completion Date

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STATE CORPORATION COMMISSION

III 29 1991

CONSERVATION DIVISION
Wichita, Kansas

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 *Keith Hill*

Title Agent Date 7-26-91

Subscribed and sworn to before me this 26th day of July, 19 91

Notary Public *Tara Batman*

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)



Handwritten mark: PI

SIDE TWO

Operator Name Raydon Exploration, Inc. Lease Name York Well # 1-32

Sec. 32 Twp. 31S Rge. 16 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 Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)
 Submitted DIL dated 7-13-91

| Name | Formation Description | |
|---------------|---|---------------------------------|
| | <input checked="" type="checkbox"/> Log | <input type="checkbox"/> Sample |
| Council Grove | 2745 ^{top} | 3235 ^{bottom} |
| Wabaunsee | 3236 | 3790 |
| Topeka | 3791 | 4032 |
| Oread | 4033 | 4097 |
| Heebner | 4098 | 4283 |
| Lansing | 4284 | 4882 |
| Cherokee | 4883 | 4913 |
| Mississippi | 4914 | 4945 |
| M Osage | 4946 | 5236 |
| Viola | 5237 | 5327 |

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 | 577 | Class H | 195 | Lite w/2% CC |
| | | | | | | | |
| | | | | | | | |

| Shots Per Foot | PERFORATION RECORD Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | |
|----------------|---|---|-------|
| | | | Depth |
| | N/A | N/A | |
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD Size N/A Set At Packer At Liner Run Yes No

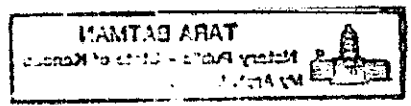
Date of First Production Producing Method Flowing Pumping Gas Lift Other (Explain)

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | | | | | |

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

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify)

Production Interval



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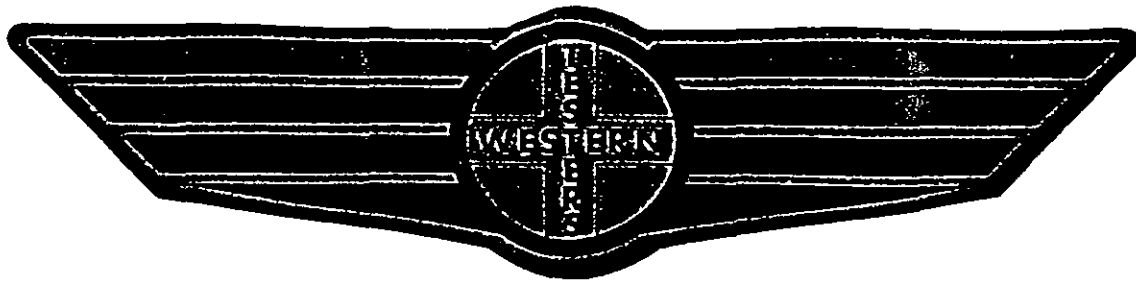
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FORMATION TEST REPORT

COMPANY RAYDON EXPLORATION, INC. LEASE & WELL NO. YORK #1-32 SEC. 32 TWP. 31S RGE. 16W TEST NO. 1 DATE 7/9/91



Home Office:

Wichita, Kansas 67201

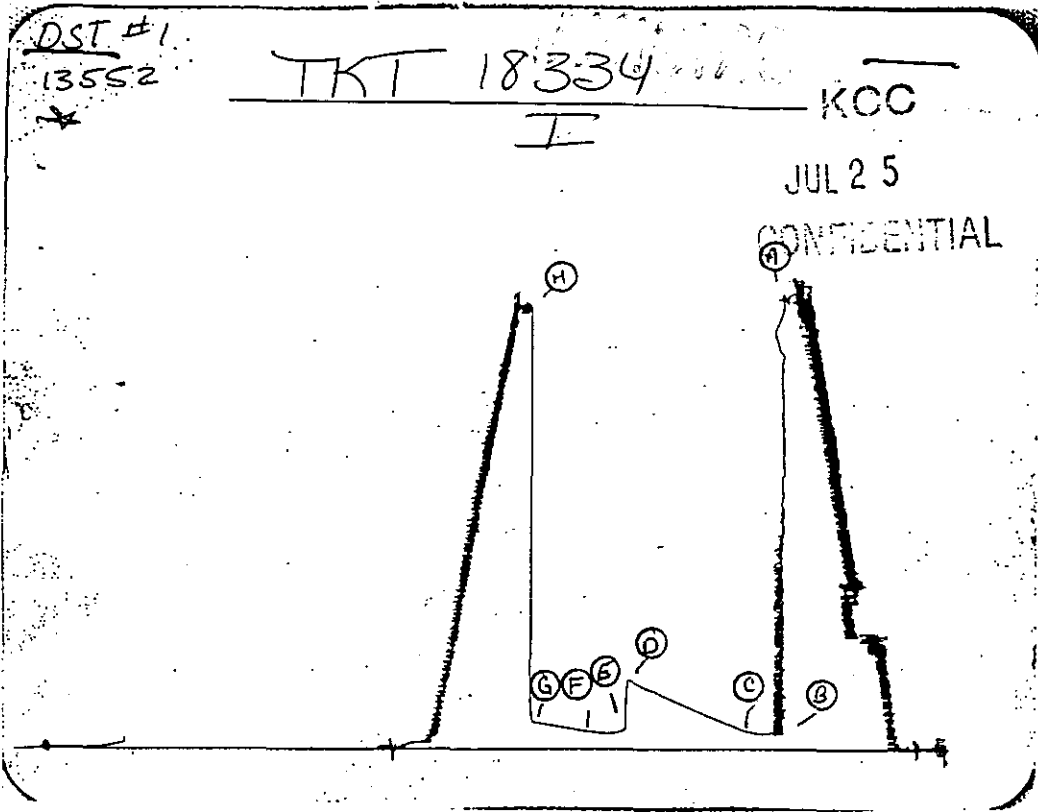
P.O. Box 1599

Phone 1 - 800-688-7021

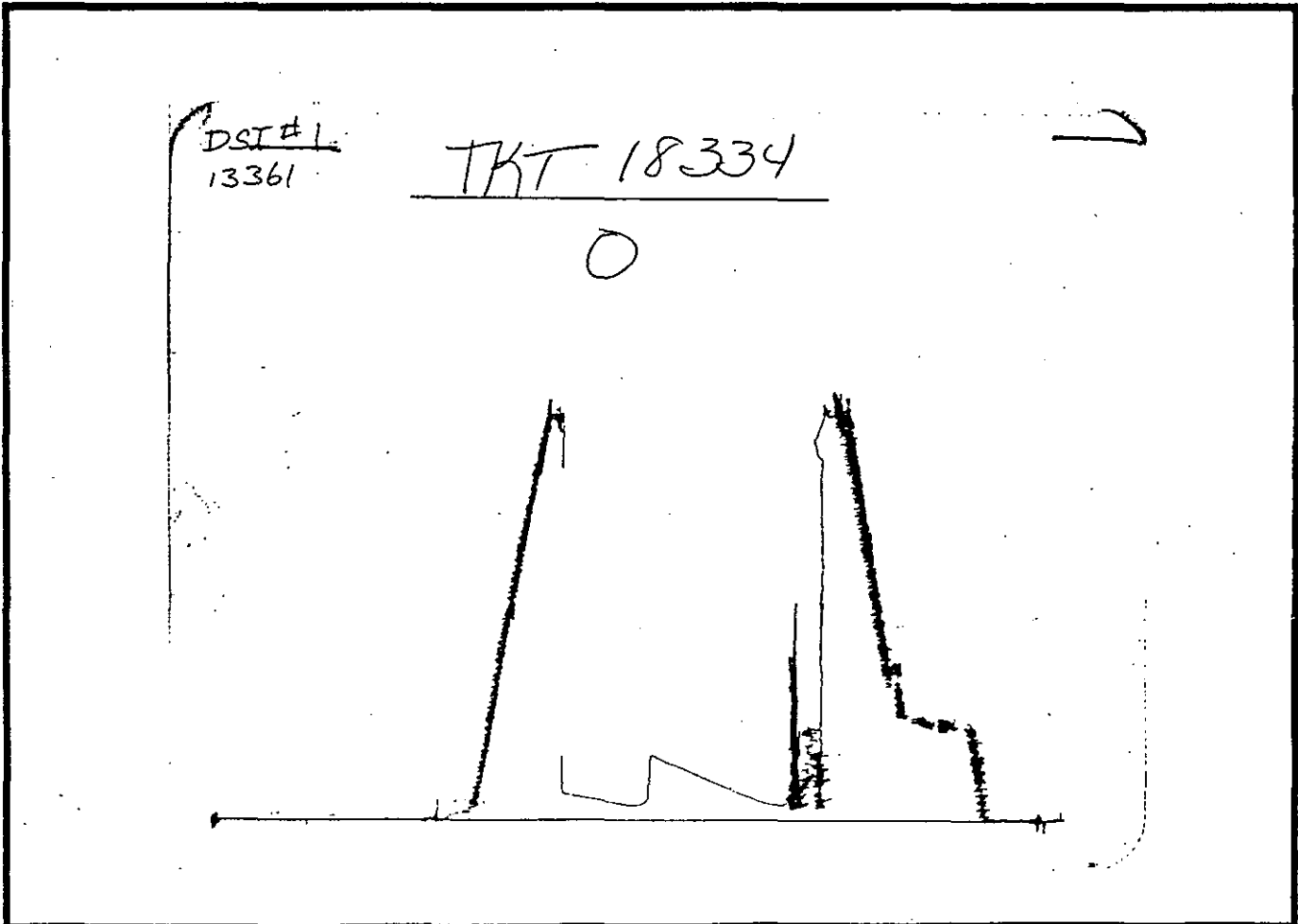
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STATE CORPORATION COMMISSION

JUL 29 1991

CONSERVATION DIVISION
Wichita, Kansas



Inside Recorder



Outside Recorder

ORIGINAL

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

KFC

JUL 91

| | | | | |
|-----------|---------------------------|-----------|-------|----------|
| DATE | : 7/9/91 | TICKET | CONF: | 18334 |
| CUSTOMER | : RAYDON EXPLORATION INC. | LEASE | : | YORK |
| WELL | : 1-32 TEST: 1 | GEOLOGIST | : | WILLIAMS |
| ELEVATION | : 1960 | FORMATION | : | MARMATON |
| SECTION | : 32 | TOWNSHIP | : | 31S |
| RANGE | : 16W COUNTY : COMANCHE | STATE | : | KANSAS |
| GAUGE SN# | : 13552 RANGE : 4050 | CLOCK | : | 12 |

| | | | | | |
|-------------------------|--------|------|--------|-------------|--------|
| INTERVAL FROM | : 4828 | TO | : 4870 | TOTAL DEPTH | : 4870 |
| DEPTH OF SELECTIVE ZONE | : | | | | |
| PACKER DEPTH | : 4823 | SIZE | : 6.63 | | |
| PACKER DEPTH | : 4828 | SIZE | : 6.63 | | |
| PACKER DEPTH | : | SIZE | : | | |
| PACKER DEPTH | : | SIZE | : | | |

| | | | |
|-----------------|-----------------------|-----------------|-------|
| DRILLING CON. | : WHITE & ELLIS RIG 8 | | |
| MUD TYPE | : LOW SOLIDS | VISCOSITY | : 47 |
| WEIGHT | : 9.1 | WATER LOSS (CC) | : 9.6 |
| CHLORIDES (PPM) | : 17000 | | |
| JARS-MAKE | : WTC | SERIAL NUMBER | : 420 |
| DID WELL FLOW ? | : NO | REVERSED OUT ? | : NO |

| | | | |
|---------------------|------------|-------------------|---------|
| DRILL COLLAR LENGTH | : 0 FT | I.D. inch | : 0.00 |
| WEIGHT PIPE LENGTH | : 0 FT | I.D. inch | : 0.00 |
| DRILL PIPE LENGTH | : 4799 FT | I.D. inch | : 3.80 |
| TEST TOOL LENGTH | : 29 FT | TOOL SIZE | : 5.50 |
| ANCHOR LENGTH | : 42 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 NO BLOW-OPENED TOOL-
 BLOW COMMENT #2 : SLID 20 FT TO BOTTOM.
 BLOW COMMENT #3 : FINAL FLOW PERIOD NO BLOW.
 BLOW COMMENT #4 :

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RECOVERED : 70 FT OF: MUD

Total Barrels Fluid = 0.98
Total Fluid Prod Rate = 23.56 BFPD
Indicated Wtr Rate = 2.36 BWPD

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

SET PACKER(S) : 3:15 PM

TIME STARTED OFF BOTTOM : 6:15 PM

| | | | | | |
|------------------------------|------|-----|-----|------|------------------|
| WELL TEMPERATURE | : | 113 | | | |
| INITIAL HYDROSTATIC PRESSURE | | | (A) | 2379 | |
| INITIAL FLOW PERIOD | MIN: | 30 | (B) | 87 | PSI TO (C) : 105 |
| INITIAL CLOSED IN PERIOD | MIN: | 84 | (D) | 368 | |
| FINAL FLOW PERIOD | MIN: | 30 | (E) | 99 | PSI TO (F) : 99 |
| FINAL CLOSED IN PERIOD | MIN: | 39 | (G) | 144 | |
| FINAL HYDROSTATIC PRESSURE | | | (H) | 2334 | |

ORIGINAL

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

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COMPANY : RAYDON EXPLORATION INC.
RIG : COMANCHE-KANSAS
FIELD : YORK
WELL : 1-32
DATE : 7/9/91
GAUGE NO : 13552

OPERATIONAL COMMENTS

PANY : RAYDON EXPLORATION INC.
 L : 1-32
 GE # : 13552
 E : 9/ 7/91

FIELD : YORK
 JOB # : 18334
 DEPTH : 4870
 TEST :

KOC

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| | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|------------------------|-----------------------|----------------------------|------------------|---------------|----------------------|
| | | | 87.000 | 113.00 | 0.000 |
| INITIAL FLOW PERIOD | | | | | |
| 2 | 3:15: 0 | 0.000 | 87.000 | 113.00 | 0.000 |
| 3 | 3:19:59 | 0.083 | 87.000 | 113.00 | 0.000 |
| 4 | 3:25: 0 | 0.167 | 87.000 | 113.00 | 0.000 |
| 5 | 3:30: 0 | 0.250 | 87.000 | 113.00 | 0.000 |
| 6 | 3:34:59 | 0.333 | 89.000 | 113.00 | 2.000 |
| 7 | 3:40: 0 | 0.417 | 94.000 | 113.00 | 5.000 |
| 8 | 3:45: 0 | 0.500 | 105.000 | 113.00 | 11.000 |
| INITIAL SHUT-IN PERIOD | | | | | |
| 9 | 3:48: 0 | 0.550 | 113.000 | 113.00 | 8.000 |
| 10 | 3:51: 0 | 0.600 | 122.000 | 113.00 | 9.000 |
| 11 | 3:54: 0 | 0.650 | 131.000 | 113.00 | 9.000 |
| 12 | 3:57: 0 | 0.700 | 140.000 | 113.00 | 9.000 |
| 13 | 4: 0: 0 | 0.750 | 147.000 | 113.00 | 7.000 |
| 14 | 4: 3: 0 | 0.800 | 156.000 | 113.00 | 9.000 |
| 15 | 4: 6: 0 | 0.850 | 167.000 | 113.00 | 11.000 |
| 16 | 4: 9: 0 | 0.900 | 175.000 | 113.00 | 8.000 |
| 17 | 4:12: 0 | 0.950 | 184.000 | 113.00 | 9.000 |
| 18 | 4:15: 0 | 1.000 | 193.000 | 113.00 | 9.000 |
| 19 | 4:18: 0 | 1.050 | 203.000 | 113.00 | 10.000 |
| 20 | 4:21: 0 | 1.100 | 210.000 | 113.00 | 7.000 |
| 21 | 4:24: 0 | 1.150 | 220.000 | 113.00 | 10.000 |
| 22 | 4:27: 0 | 1.200 | 230.000 | 113.00 | 10.000 |
| 23 | 4:30: 0 | 1.250 | 241.000 | 113.00 | 11.000 |
| 24 | 4:33: 0 | 1.300 | 250.000 | 113.00 | 9.000 |
| 25 | 4:36: 0 | 1.350 | 259.000 | 113.00 | 9.000 |
| 26 | 4:39: 0 | 1.400 | 269.000 | 113.00 | 10.000 |
| 27 | 4:42: 0 | 1.450 | 278.000 | 113.00 | 9.000 |
| 28 | 4:45: 0 | 1.500 | 289.000 | 113.00 | 11.000 |
| 29 | 4:48: 0 | 1.550 | 299.000 | 113.00 | 10.000 |
| 30 | 4:51: 0 | 1.600 | 309.000 | 113.00 | 10.000 |
| 31 | 4:54: 0 | 1.650 | 318.000 | 113.00 | 9.000 |
| 32 | 4:57: 0 | 1.700 | 326.000 | 113.00 | 8.000 |
| 33 | 5: 0: 0 | 1.750 | 337.000 | 113.00 | 11.000 |
| 34 | 5: 3: 0 | 1.800 | 349.000 | 113.00 | 12.000 |
| 35 | 5: 6: 0 | 1.850 | 359.000 | 113.00 | 10.000 |
| 36 | 5: 9: 0 | 1.900 | 368.000 | 113.00 | 9.000 |
| FINAL FLOW PERIOD | | | | | |
| 37 | 5:10: 0 | 1.917 | 99.000 | 113.00 | -269.000 |
| 38 | 5:13:59 | 1.983 | 99.000 | 113.00 | 0.000 |
| 39 | 5:19: 0 | 2.067 | 99.000 | 113.00 | 0.000 |
| 40 | 5:24: 0 | 2.150 | 99.000 | 113.00 | 0.000 |
| 41 | 5:28:59 | 2.233 | 99.000 | 113.00 | 0.000 |
| 42 | 5:34: 0 | 2.317 | 99.000 | 113.00 | 0.000 |
| 43 | 5:39: 0 | 2.400 | 99.000 | 113.00 | 0.000 |
| FINAL SHUT-IN PERIOD | | | | | |
| 44 | 5:42: 0 | 2.450 | 101.000 | 113.00 | 2.000 |
| 45 | 5:45: 0 | 2.500 | 105.000 | 113.00 | 4.000 |
| 46 | 5:48: 0 | 2.550 | 108.000 | 113.00 | 3.000 |
| 47 | 5:51: 0 | 2.600 | 112.000 | 113.00 | 4.000 |
| 48 | 5:54: 0 | 2.650 | 116.000 | 113.00 | 4.000 |

COMPANY : RAYDON EXPLORATION INC.
WELL : 1-32
GAUGE # : 13552
DATE : 9/ 7/91

FIELD : YORK
JOB # : 18334
DEPTH : 4870
TEST :

JUL 25
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| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|----------|--------------------|-------------------------|---------------|------------|-------------------|
| 49 | 5:57: 0 | 2.700 | 119.000 | 113.00 | 3.000 |
| 50 | 6: 0: 0 | 2.750 | 123.000 | 113.00 | 4.000 |
| 51 | 6: 3: 0 | 2.800 | 128.000 | 113.00 | 5.000 |
| 52 | 6: 6: 0 | 2.850 | 132.000 | 113.00 | 4.000 |
| 53 | 6: 9: 0 | 2.900 | 136.000 | 113.00 | 4.000 |
| 54 | 6:12: 0 | 2.950 | 139.000 | 113.00 | 3.000 |
| 55 | 6:15: 0 | 3.000 | 142.000 | 113.00 | 3.000 |
| 56 | 6:18: 0 | 3.050 | 144.000 | 113.00 | 2.000 |

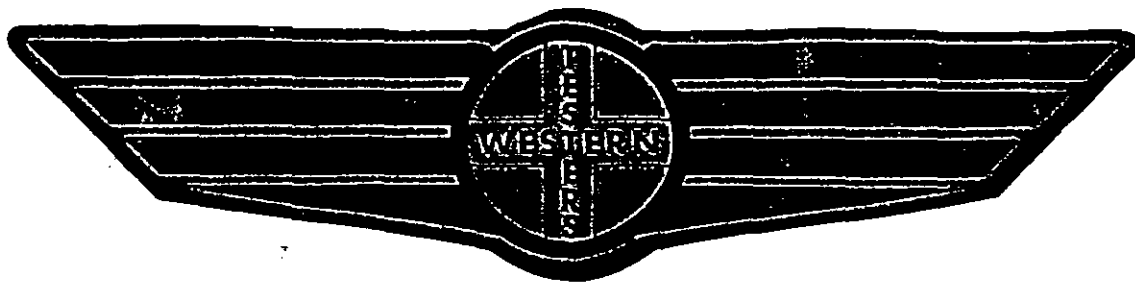
WESTERN TESTING CO. INC.

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FORMATION TEST REPORT



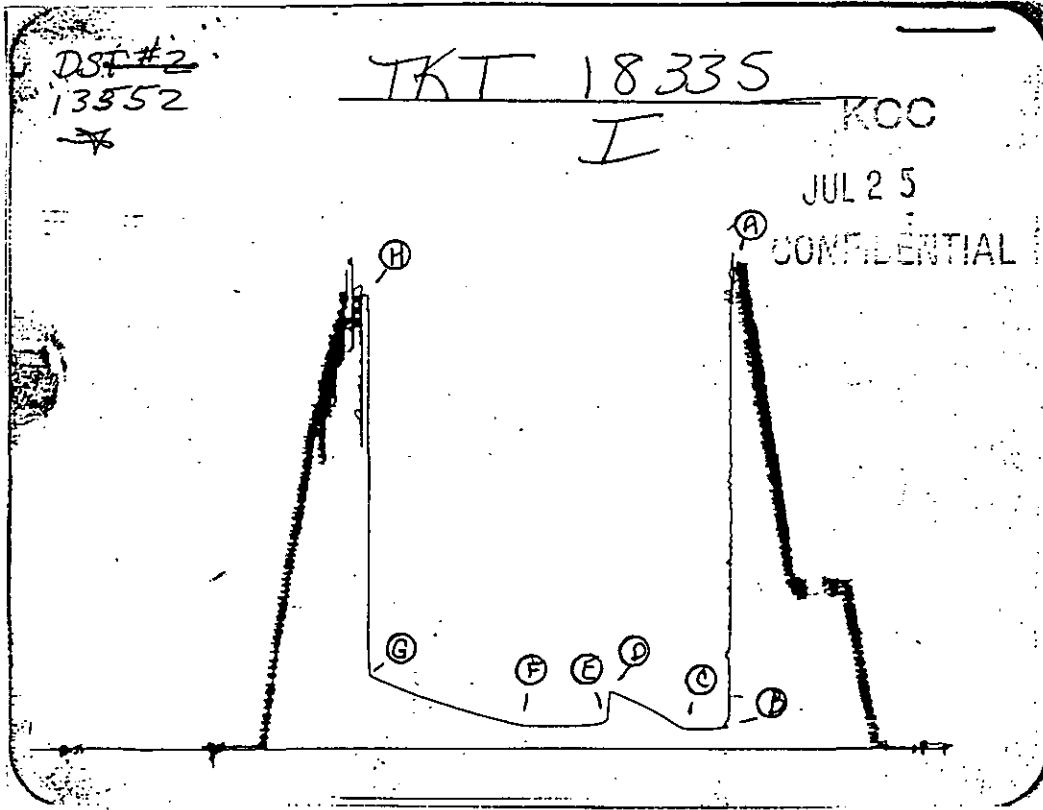
Home Office:

Wichita, Kansas 67201

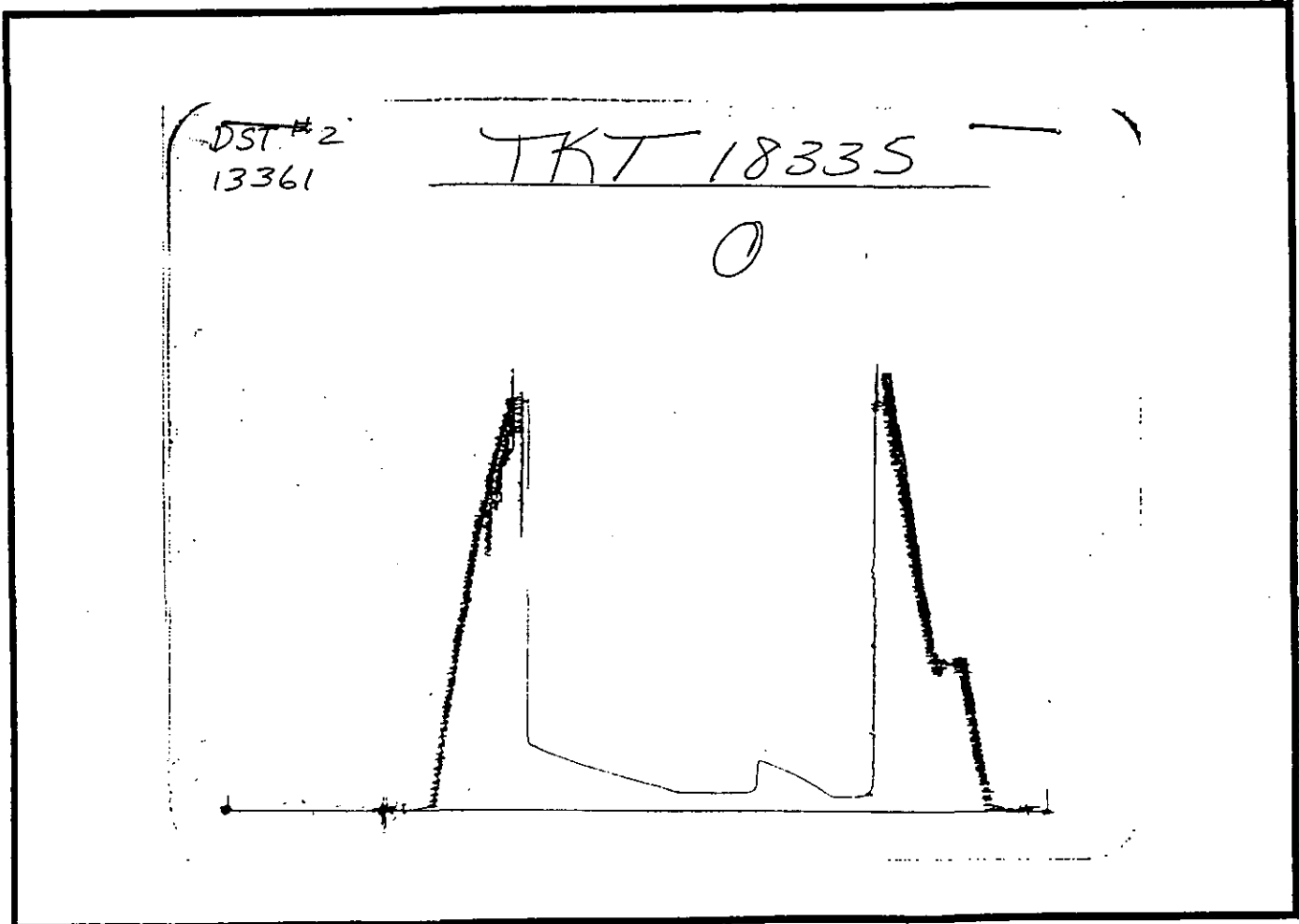
P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY RAYDON EXPLORATION, INC. LEASE & WELL NO. YORK #1-32 SEC. 32 TWP. 31S RGE. 16W TEST NO. 2 DATE 7/10/91



Inside Recorder



Outside Recorder

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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

JUL 25

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| | | | |
|-----------|---------------------------|-----------|---------------|
| DATE | : 7/10/91 | TICKET | : 18335 |
| CUSTOMER | : RAYDON EXPLORATION INC. | LEASE | : YORK |
| WELL | : 1-32 TEST: 2 | GEOLOGIST | : WILLIAMS |
| ELEVATION | : 1968 | FORMATION | : MISSISSIPPI |
| SECTION | : 32 | TOWNSHIP | : 31S |
| RANGE | : 16W COUNTY : COMANCHE | STATE | : KANSAS |
| GAUGE SN# | : 13552 RANGE : 4050 | CLOCK | : 12 |

| | | | | | |
|-------------------------|--------|------|--------|-------------|--------|
| INTERVAL FROM | : 4890 | TO | : 4984 | TOTAL DEPTH | : 4984 |
| DEPTH OF SELECTIVE ZONE | : | | | | |
| PACKER DEPTH | : 4885 | SIZE | : 6.63 | | |
| PACKER DEPTH | : 4890 | SIZE | : 6.63 | | |
| PACKER DEPTH | : | SIZE | : | | |
| PACKER DEPTH | : | SIZE | : | | |

| | | | |
|-----------------|-----------------------|-----------------|-------|
| DRILLING CON. | : WHITE & ELLIS RIG 8 | | |
| MUD TYPE | : LOW SOLIDS | VISCOSITY | : 47 |
| WEIGHT | : 9.1 | WATER LOSS (CC) | : 9.6 |
| CHLORIDES (PPM) | : 17000 | | |
| JARS-MAKE | : WTC | SERIAL NUMBER | : 420 |
| DID WELL FLOW ? | : NO | REVERSED OUT ? | : NO |

| | | | |
|---------------------|------------|-------------------|---------|
| DRILL COLLAR LENGTH | : 0 FT | I.D. inch | : 0.00 |
| WEIGHT PIPE LENGTH | : 0 FT | I.D. inch | : 0.00 |
| DRILL PIPE LENGTH | : 4861 FT | I.D. inch | : 3.80 |
| TEST TOOL LENGTH | : 29 FT | TOOL SIZE | : 5.50 |
| ANCHOR LENGTH | : 94 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 VERY STRONG BLOW.
 BLOW COMMENT #2 : FINAL FLOW PERIOD STRONG BLOW.
 BLOW COMMENT #3 : NO GAS TO SURFACE. OPEN TOOL SLID
 BLOW COMMENT #4 : 10 FT TO BOTTOM.

RECOVERED : 120 FT OF: MUD & OIL SPECKS

Total Barrels Fluid = 1.68
Total Fluid Prod Rate = 26.93 BFPD
Indicated Wtr Rate = 2.69 BWPD

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REMARK 1 :
REMARK 2 : RECOVERED 1282 FT GAS ABOVE FLUID
REMARK 3 :
REMARK 4 :

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SET PACKER(S) : 1:55 PM TIME STARTED OFF BOTTOM : 6:25 PM
WELL TEMPERATURE : 125
INITIAL HYDROSTATIC PRESSURE (A) 2538
INITIAL FLOW PERIOD MIN: 30 (B) 110 PSI TO (C) : 110
INITIAL CLOSED IN PERIOD MIN: 60 (D) 304
FINAL FLOW PERIOD MIN: 60 (E) 126 PSI TO (F) : 126
FINAL CLOSED IN PERIOD MIN: 114 (G) 382
FINAL HYDROSTATIC PRESSURE (H) 2389

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JUL 25

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WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : RAYDON EXPLORATION INC.
RIG : COMANCHE-KANSAS
FIELD : YORK
WELL : 1-32
DATE : 7/10/91
GAUGE NO : 32

OPERATIONAL COMMENTS

RECOVERED 1282 FT GAS ABOVE FLUID

COMPANY : RAYDON EXPLORATION INC.
 WELL : 1-32
 GAUGE # : 32
 DATE : 10/ 7/91

FIELD : YORK
 JOB # : 18335
 DEPTH : 4984
 TEST :

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 JUL 2 5

| 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 | 1:55: 0 | 0.000 | 110.000 | 125.00 | 0.000 |
| 3 | 1:59:59 | 0.083 | 110.000 | 125.00 | 0.000 |
| 4 | 2: 5: 0 | 0.167 | 110.000 | 125.00 | 0.000 |
| 5 | 2:10: 0 | 0.250 | 110.000 | 125.00 | 0.000 |
| 6 | 2:14:59 | 0.333 | 110.000 | 125.00 | 0.000 |
| 7 | 2:20: 0 | 0.417 | 110.000 | 125.00 | 0.000 |
| 8 | 2:25: 0 | 0.500 | 110.000 | 125.00 | 0.000 |
| INITIAL SHUT-IN PERIOD | | | | | |
| 9 | 2:28: 0 | 0.550 | 110.000 | 125.00 | 0.000 |
| 10 | 2:31: 0 | 0.600 | 116.000 | 125.00 | 6.000 |
| 11 | 2:34: 0 | 0.650 | 128.000 | 125.00 | 12.000 |
| 12 | 2:37: 0 | 0.700 | 141.000 | 125.00 | 13.000 |
| 13 | 2:40: 0 | 0.750 | 155.000 | 125.00 | 14.000 |
| 14 | 2:43: 0 | 0.800 | 168.000 | 125.00 | 13.000 |
| 15 | 2:46: 0 | 0.850 | 182.000 | 125.00 | 14.000 |
| 16 | 2:49: 0 | 0.900 | 194.000 | 125.00 | 12.000 |
| 17 | 2:52: 0 | 0.950 | 207.000 | 125.00 | 13.000 |
| 18 | 2:55: 0 | 1.000 | 219.000 | 125.00 | 12.000 |
| 19 | 2:58: 0 | 1.050 | 228.000 | 125.00 | 9.000 |
| 20 | 3: 1: 0 | 1.100 | 238.000 | 125.00 | 10.000 |
| 21 | 3: 4: 0 | 1.150 | 248.000 | 125.00 | 10.000 |
| 22 | 3: 7: 0 | 1.200 | 260.000 | 125.00 | 12.000 |
| 23 | 3:10: 0 | 1.250 | 267.000 | 125.00 | 7.000 |
| 24 | 3:13: 0 | 1.300 | 277.000 | 125.00 | 10.000 |
| 25 | 3:16: 0 | 1.350 | 287.000 | 125.00 | 10.000 |
| 26 | 3:19: 0 | 1.400 | 295.000 | 125.00 | 8.000 |
| 27 | 3:22: 0 | 1.450 | 301.000 | 125.00 | 6.000 |
| 28 | 3:25: 0 | 1.500 | 304.000 | 125.00 | 3.000 |
| FINAL FLOW PERIOD | | | | | |
| 29 | 3:26: 0 | 1.517 | 126.000 | 125.00 | -178.000 |
| 30 | 3:29:59 | 1.583 | 126.000 | 125.00 | 0.000 |
| 31 | 3:35: 0 | 1.667 | 126.000 | 125.00 | 0.000 |
| 32 | 3:40: 0 | 1.750 | 126.000 | 125.00 | 0.000 |
| 33 | 3:44:59 | 1.833 | 126.000 | 125.00 | 0.000 |
| 34 | 3:50: 0 | 1.917 | 126.000 | 125.00 | 0.000 |
| 35 | 3:55: 0 | 2.000 | 126.000 | 125.00 | 0.000 |
| 36 | 3:59:59 | 2.083 | 126.000 | 125.00 | 0.000 |
| 37 | 4: 5: 0 | 2.167 | 126.000 | 125.00 | 0.000 |
| 38 | 4:10: 0 | 2.250 | 126.000 | 125.00 | 0.000 |
| 39 | 4:14:59 | 2.333 | 126.000 | 125.00 | 0.000 |
| 40 | 4:20: 0 | 2.417 | 126.000 | 125.00 | 0.000 |
| 41 | 4:25: 0 | 2.500 | 126.000 | 125.00 | 0.000 |
| FINAL SHUT-IN PERIOD | | | | | |
| 42 | 4:28: 0 | 2.550 | 130.000 | 125.00 | 4.000 |
| 43 | 4:31: 0 | 2.600 | 133.000 | 125.00 | 3.000 |
| 44 | 4:34: 0 | 2.650 | 138.000 | 125.00 | 5.000 |
| 45 | 4:37: 0 | 2.700 | 144.000 | 125.00 | 6.000 |
| 46 | 4:40: 0 | 2.750 | 149.000 | 125.00 | 5.000 |
| 47 | 4:43: 0 | 2.800 | 155.000 | 125.00 | 6.000 |
| 48 | 4:46: 0 | 2.850 | 160.000 | 125.00 | 5.000 |

ORIGINAL

JUL 25

CONFIDENTIAL

COMPANY : RAYDON EXPLORATION INC.
WELL : 1-32
GAUGE # : 32
DATE : 10/ 7/91

FIELD : YORK
JOB # : 18335
DEPTH : 4984
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 | 1:55: 0 | 0.000 | 110.000 | 125.00 | 0.000 |
| 3 | 1:59:59 | 0.083 | 110.000 | 125.00 | 0.000 |
| 4 | 2: 5: 0 | 0.167 | 110.000 | 125.00 | 0.000 |
| 5 | 2:10: 0 | 0.250 | 110.000 | 125.00 | 0.000 |
| 6 | 2:14:59 | 0.333 | 110.000 | 125.00 | 0.000 |
| 7 | 2:20: 0 | 0.417 | 110.000 | 125.00 | 0.000 |
| 8 | 2:25: 0 | 0.500 | 110.000 | 125.00 | 0.000 |
| INITIAL SHUT-IN PERIOD | | | | | |
| 9 | 2:28: 0 | 0.550 | 110.000 | 125.00 | 0.000 |
| 10 | 2:31: 0 | 0.600 | 116.000 | 125.00 | 6.000 |
| 11 | 2:34: 0 | 0.650 | 128.000 | 125.00 | 12.000 |
| 12 | 2:37: 0 | 0.700 | 141.000 | 125.00 | 13.000 |
| 13 | 2:40: 0 | 0.750 | 155.000 | 125.00 | 14.000 |
| 14 | 2:43: 0 | 0.800 | 168.000 | 125.00 | 13.000 |
| 15 | 2:46: 0 | 0.850 | 182.000 | 125.00 | 14.000 |
| 16 | 2:49: 0 | 0.900 | 194.000 | 125.00 | 12.000 |
| 17 | 2:52: 0 | 0.950 | 207.000 | 125.00 | 13.000 |
| 18 | 2:55: 0 | 1.000 | 219.000 | 125.00 | 12.000 |
| 19 | 2:58: 0 | 1.050 | 228.000 | 125.00 | 9.000 |
| 20 | 3: 1: 0 | 1.100 | 238.000 | 125.00 | 10.000 |
| 21 | 3: 4: 0 | 1.150 | 248.000 | 125.00 | 10.000 |
| 22 | 3: 7: 0 | 1.200 | 260.000 | 125.00 | 12.000 |
| 23 | 3:10: 0 | 1.250 | 267.000 | 125.00 | 7.000 |
| 24 | 3:13: 0 | 1.300 | 277.000 | 125.00 | 10.000 |
| 25 | 3:16: 0 | 1.350 | 287.000 | 125.00 | 10.000 |
| 26 | 3:19: 0 | 1.400 | 295.000 | 125.00 | 8.000 |
| 27 | 3:22: 0 | 1.450 | 301.000 | 125.00 | 6.000 |
| 28 | 3:25: 0 | 1.500 | 304.000 | 125.00 | 3.000 |
| FINAL FLOW PERIOD | | | | | |
| 29 | 3:26: 0 | 1.517 | 126.000 | 125.00 | -178.000 |
| 30 | 3:29:59 | 1.583 | 126.000 | 125.00 | 0.000 |
| 31 | 3:35: 0 | 1.667 | 126.000 | 125.00 | 0.000 |
| 32 | 3:40: 0 | 1.750 | 126.000 | 125.00 | 0.000 |
| 33 | 3:44:59 | 1.833 | 126.000 | 125.00 | 0.000 |
| 34 | 3:50: 0 | 1.917 | 126.000 | 125.00 | 0.000 |
| 35 | 3:55: 0 | 2.000 | 126.000 | 125.00 | 0.000 |
| 36 | 3:59:59 | 2.083 | 126.000 | 125.00 | 0.000 |
| 37 | 4: 5: 0 | 2.167 | 126.000 | 125.00 | 0.000 |
| 38 | 4:10: 0 | 2.250 | 126.000 | 125.00 | 0.000 |
| 39 | 4:14:59 | 2.333 | 126.000 | 125.00 | 0.000 |
| 40 | 4:20: 0 | 2.417 | 126.000 | 125.00 | 0.000 |
| 41 | 4:25: 0 | 2.500 | 126.000 | 125.00 | 0.000 |
| FINAL SHUT-IN PERIOD | | | | | |
| 42 | 4:28: 0 | 2.550 | 130.000 | 125.00 | 4.000 |
| 43 | 4:31: 0 | 2.600 | 133.000 | 125.00 | 3.000 |
| 44 | 4:34: 0 | 2.650 | 138.000 | 125.00 | 5.000 |
| 45 | 4:37: 0 | 2.700 | 144.000 | 125.00 | 6.000 |
| 46 | 4:40: 0 | 2.750 | 149.000 | 125.00 | 5.000 |
| 47 | 4:43: 0 | 2.800 | 155.000 | 125.00 | 6.000 |
| 48 | 4:46: 0 | 2.850 | 160.000 | 125.00 | 5.000 |

COMPANY : RAYDON EXPLORATION INC.
WELL : 1-32
GAUGE # : 32
DATE : 10/ 7/91

KOC
JUL 25
CONFIDENTIAL

FIELD : YORK
JOB # : 18335
DEPTH : 4984
TEST :

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|----------|--------------------|-------------------------|---------------|------------|-------------------|
| 49 | 4:49: 0 | 2.900 | 166.000 | 125.00 | 6.000 |
| 50 | 4:52: 0 | 2.950 | 172.000 | 125.00 | 6.000 |
| 51 | 4:55: 0 | 3.000 | 179.000 | 125.00 | 7.000 |
| 52 | 4:58: 0 | 3.050 | 183.000 | 125.00 | 4.000 |
| 53 | 5: 1: 0 | 3.100 | 191.000 | 125.00 | 8.000 |
| 54 | 5: 4: 0 | 3.150 | 197.000 | 125.00 | 6.000 |
| 55 | 5: 7: 0 | 3.200 | 203.000 | 125.00 | 6.000 |
| 56 | 5:10: 0 | 3.250 | 210.000 | 125.00 | 7.000 |
| 57 | 5:13: 0 | 3.300 | 216.000 | 125.00 | 6.000 |
| 58 | 5:16: 0 | 3.350 | 222.000 | 125.00 | 6.000 |
| 59 | 5:19: 0 | 3.400 | 229.000 | 125.00 | 7.000 |
| 60 | 5:22: 0 | 3.450 | 235.000 | 125.00 | 6.000 |
| 61 | 5:25: 0 | 3.500 | 240.000 | 125.00 | 5.000 |
| 62 | 5:28: 0 | 3.550 | 248.000 | 125.00 | 8.000 |
| 63 | 5:31: 0 | 3.600 | 256.000 | 125.00 | 8.000 |
| 64 | 5:34: 0 | 3.650 | 264.000 | 125.00 | 8.000 |
| 65 | 5:37: 0 | 3.700 | 269.000 | 125.00 | 5.000 |
| 66 | 5:40: 0 | 3.750 | 276.000 | 125.00 | 7.000 |
| 67 | 5:43: 0 | 3.800 | 283.000 | 125.00 | 7.000 |
| 68 | 5:46: 0 | 3.850 | 291.000 | 125.00 | 8.000 |
| 69 | 5:49: 0 | 3.900 | 300.000 | 125.00 | 9.000 |
| 70 | 5:52: 0 | 3.950 | 307.000 | 125.00 | 7.000 |
| 71 | 5:55: 0 | 4.000 | 317.000 | 125.00 | 10.000 |
| 72 | 5:58: 0 | 4.050 | 325.000 | 125.00 | 8.000 |
| 73 | 6: 1: 0 | 4.100 | 332.000 | 125.00 | 7.000 |
| 74 | 6: 4: 0 | 4.150 | 342.000 | 125.00 | 10.000 |
| 75 | 6: 7: 0 | 4.200 | 351.000 | 125.00 | 9.000 |
| 76 | 6:10: 0 | 4.250 | 359.000 | 125.00 | 8.000 |
| 77 | 6:13: 0 | 4.300 | 369.000 | 125.00 | 10.000 |
| 78 | 6:16: 0 | 4.350 | 378.000 | 125.00 | 9.000 |
| 79 | 6:19: 0 | 4.400 | 382.000 | 125.00 | 4.000 |

WESTERN TESTING CO. INC.

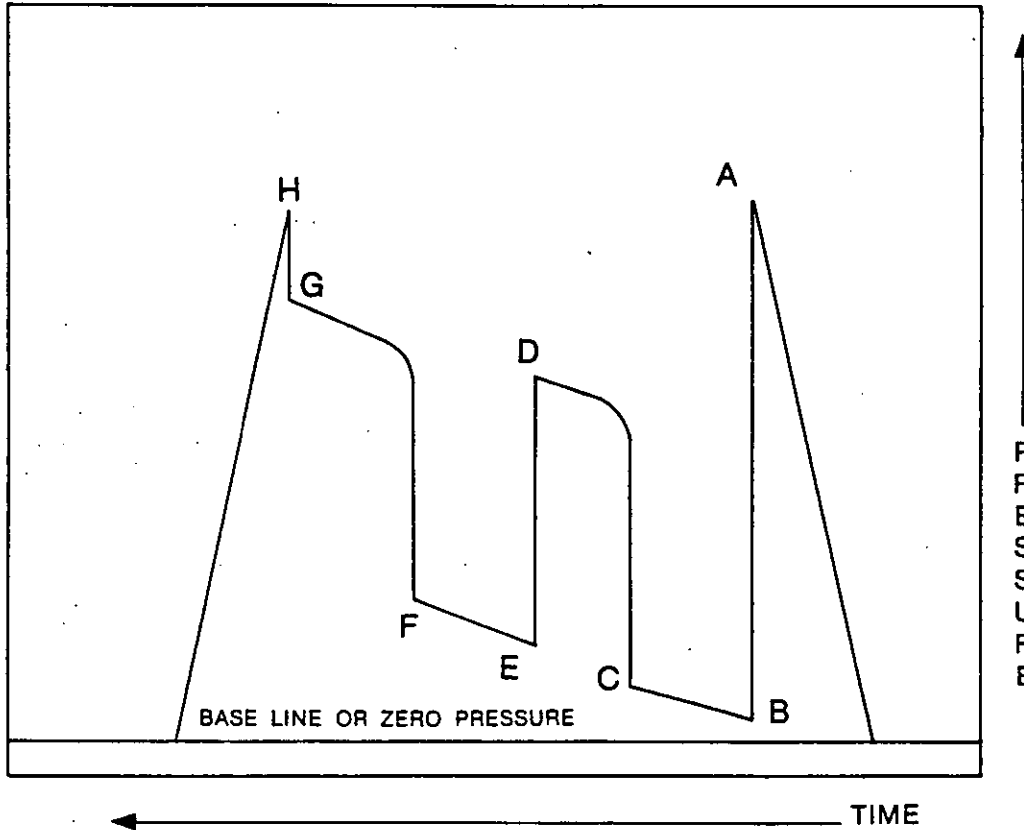
JUL 2 5

CONFIDENTIAL

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

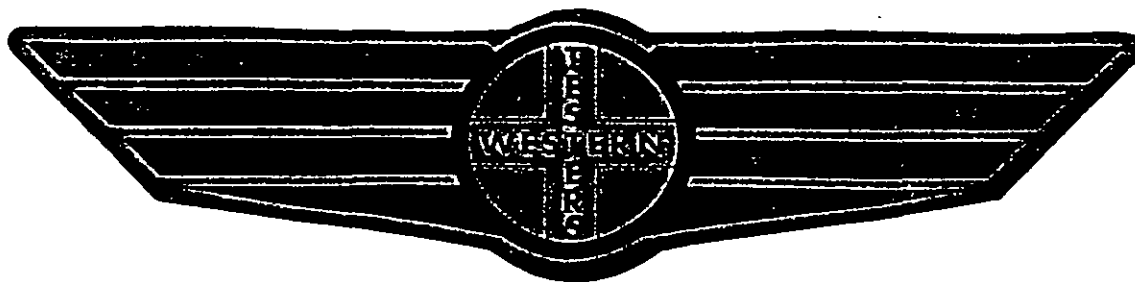
ORIGINAL

KCC

JUL 25 1991

CONFIDENTIAL

FORMATION TEST REPORT



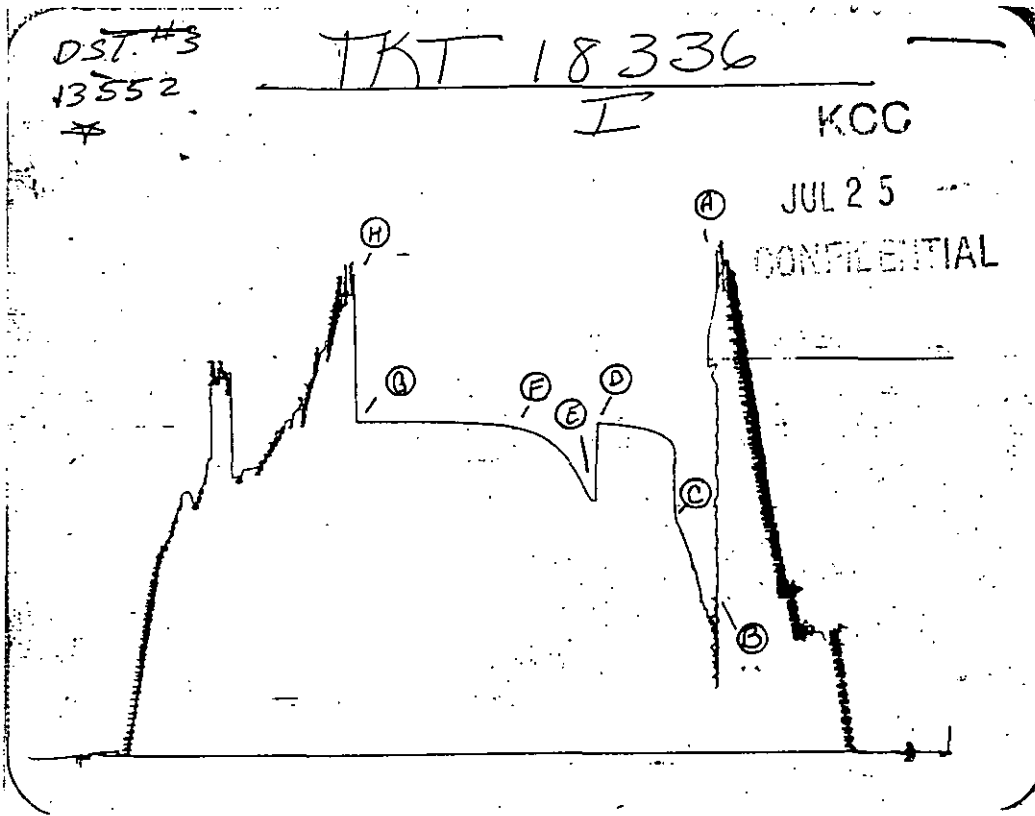
Home Office:

Wichita, Kansas 67201

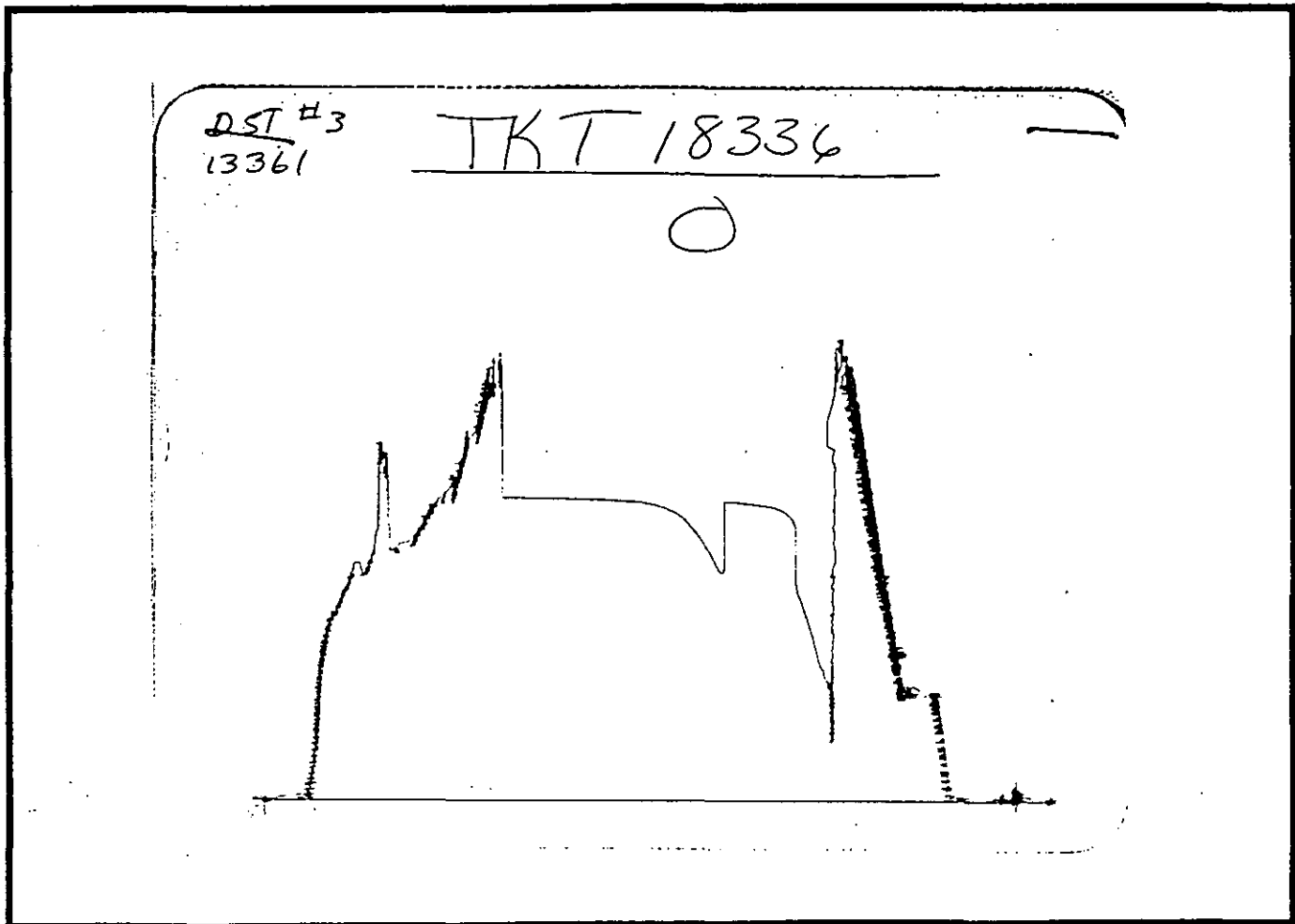
P.O. Box 1599

Phone 1-800-688-7021

COMPANY RAYDON EXPLORATION, INC. LEASE & WELL NO. YORK #1-32 SEC. 32 TWP. 31S RGE. 16W TEST NO. 3 DATE 7/11/91



Inside Recorder



Outside Recorder

ORIGINAL

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 7/11/91
CUSTOMER : RAYDON EXPLORATION INC.
WELL : 1-32 TEST: 3
ELEVATION : 1960
SECTION : 32
RANGE : 16W COUNTY : COMANCHE
GAUGE SN# : 13552 RANGE : 4050

KCC
JUL 25
CONFIDENTIAL

TICKET : 18336
LEASE : YORK
GEOLOGIST : WILLIAMS
FORMATION : MISSISSIPPI
TOWNSHIP : 31S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 4989 TO : 5014 TOTAL DEPTH : 5014
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4984 SIZE : 6.63
PACKER DEPTH : 5989 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : WHITE & ELLIS RIG 8
MUD TYPE : LOW SOLIDS VISCOSITY : 47
WEIGHT : 9.1 WATER LOSS (CC) : 9.7
CHLORIDES (PPM) : 17000
JARS-MAKE : WTC SERIAL NUMBER : 420
DID WELL FLOW ? : NO REVERSED OUT ? : YES

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 4960 FT I.D. inch : 3.80
TEST TOOL LENGTH : 29 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 25 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 VERY STRONG 12
BLOW COMMENT #2 : INCH BLOW. FINAL FLOW PERIOD VERY
BLOW COMMENT #3 : STRONG 12 INCH BLOW. NO GAS TO SURFACE.
BLOW COMMENT #4 : OPEN TOOL SLID 7 FT TO BOTTOM.

KCC

JUL 25

RECOVERED : 0 FT OF:
RECOVERED : 600 FT OF: GAS CUT, MUDDY WATER
RECOVERED : 0 FT OF: 30%GAS; 50%MUD; 20%WATER
RECOVERED : 2917 FT OF: WATER

Total Barrels Fluid = 49.33
Total Fluid Prod Rate = 789.29 BFPD
Indicated Wtr Rate = 681.57 BWPD

REMARK 1 :
REMARK 2 : RECOVERED 420 FT GAS ABOVE FLUID
REMARK 3 : CIRC. OUT TO PIT
REMARK 4 :

SET PACKER(S) : 9:02 AM TIME STARTED OFF BOTTOM : 1:32 PM
WELL TEMPERATURE : 128
INITIAL HYDROSTATIC PRESSURE (A) 2506
INITIAL FLOW PERIOD MIN: 30 (B) 806 PSI TO (C) : 1221
INITIAL CLOSED IN PERIOD MIN: 57 (D) 1729
FINAL FLOW PERIOD MIN: 60 (E) 1324 PSI TO (F) : 1706
FINAL CLOSED IN PERIOD MIN: 120 (G) 1747
FINAL HYDROSTATIC PRESSURE (H) 2406

ORIGINAL

KCC

JUL 25

CONFIDENTIAL

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : RAYDON EXPLORATION INC.
RIG : COMANCHE-KANSAS
FIELD : YORK
WELL : 1-32
DATE : 7/11/91
GAUGE NO : 13552

OPERATIONAL COMMENTS

RECOVERED 420 FT GAS ABOVE FLUID
CIRC. OUT TO PIT

COMPANY : RAYDON EXPLORATION INC.
 WELL : 1-32
 GAUGE # : 13552
 DATE : 11/ 7/91

KCC FIELD : YORK
 JOB # : 18336
 JUL 25 DEPTH : 5014
 TEST :

CONFIDENTIAL

| ATA 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 | 9: 2: 0 | 0.000 | 806.000 | 128.00 | 0.000 |
| 3 | 9: 6:59 | 0.083 | 806.000 | 128.00 | 0.000 |
| 4 | 9:12: 0 | 0.167 | 806.000 | 128.00 | 0.000 |
| 5 | 9:17: 0 | 0.250 | 949.000 | 128.00 | 143.000 |
| 6 | 9:21:59 | 0.333 | 1056.000 | 128.00 | 107.000 |
| 7 | 9:27: 0 | 0.417 | 1149.000 | 128.00 | 93.000 |
| 8 | 9:32: 0 | 0.500 | 1221.000 | 128.00 | 72.000 |
| INITIAL SHUT-IN PERIOD | | | | | |
| 9 | 9:35: 0 | 0.550 | 1615.000 | 128.00 | 394.000 |
| 10 | 9:38: 0 | 0.600 | 1641.000 | 128.00 | 26.000 |
| 11 | 9:41: 0 | 0.650 | 1656.000 | 128.00 | 15.000 |
| 12 | 9:44: 0 | 0.700 | 1669.000 | 128.00 | 13.000 |
| 13 | 9:47: 0 | 0.750 | 1679.000 | 128.00 | 10.000 |
| 14 | 9:50: 0 | 0.800 | 1686.000 | 128.00 | 7.000 |
| 15 | 9:53: 0 | 0.850 | 1692.000 | 128.00 | 6.000 |
| 16 | 9:56: 0 | 0.900 | 1698.000 | 128.00 | 6.000 |
| 17 | 9:59: 0 | 0.950 | 1703.000 | 128.00 | 5.000 |
| 18 | 10: 2: 0 | 1.000 | 1706.000 | 128.00 | 3.000 |
| 19 | 10: 5: 0 | 1.050 | 1710.000 | 128.00 | 4.000 |
| 20 | 10: 8: 0 | 1.100 | 1714.000 | 128.00 | 4.000 |
| 21 | 10:11: 0 | 1.150 | 1716.000 | 128.00 | 2.000 |
| 22 | 10:14: 0 | 1.200 | 1720.000 | 128.00 | 4.000 |
| 23 | 10:17: 0 | 1.250 | 1723.000 | 128.00 | 3.000 |
| 24 | 10:20: 0 | 1.300 | 1725.000 | 128.00 | 2.000 |
| 25 | 10:23: 0 | 1.350 | 1727.000 | 128.00 | 2.000 |
| 26 | 10:26: 0 | 1.400 | 1728.000 | 128.00 | 1.000 |
| 27 | 10:29: 0 | 1.450 | 1729.000 | 128.00 | 1.000 |
| FINAL FLOW PERIOD | | | | | |
| 28 | 10:30: 0 | 1.467 | 1324.000 | 128.00 | -405.000 |
| 29 | 10:33:59 | 1.533 | 1341.000 | 128.00 | 17.000 |
| 30 | 10:39: 0 | 1.617 | 1410.000 | 128.00 | 69.000 |
| 31 | 10:44: 0 | 1.700 | 1475.000 | 128.00 | 65.000 |
| 32 | 10:48:59 | 1.783 | 1528.000 | 128.00 | 53.000 |
| 33 | 10:54: 0 | 1.867 | 1570.000 | 128.00 | 42.000 |
| 34 | 10:59: 0 | 1.950 | 1607.000 | 128.00 | 37.000 |
| 35 | 11: 3:59 | 2.033 | 1636.000 | 128.00 | 20.000 |
| 36 | 11: 9: 0 | 2.117 | 1660.000 | 128.00 | 24.000 |
| 37 | 11:14: 0 | 2.200 | 1676.000 | 128.00 | 16.000 |
| 38 | 11:18:59 | 2.283 | 1688.000 | 128.00 | 12.000 |
| 39 | 11:24: 0 | 2.367 | 1699.000 | 128.00 | 11.000 |
| 40 | 11:29: 0 | 2.450 | 1706.000 | 128.00 | 7.000 |
| FINAL SHUT-IN PERIOD | | | | | |
| 41 | 11:32: 0 | 2.500 | 1711.000 | 128.00 | 5.000 |
| 42 | 11:35: 0 | 2.550 | 1717.000 | 128.00 | 6.000 |
| 43 | 11:38: 0 | 2.600 | 1720.000 | 128.00 | 3.000 |
| 44 | 11:41: 0 | 2.650 | 1723.000 | 128.00 | 3.000 |
| 45 | 11:44: 0 | 2.700 | 1725.000 | 128.00 | 2.000 |
| 46 | 11:47: 0 | 2.750 | 1726.000 | 128.00 | 1.000 |
| 47 | 11:50: 0 | 2.800 | 1727.000 | 128.00 | 1.000 |
| 48 | 11:53: 0 | 2.850 | 1729.000 | 128.00 | 2.000 |

ORIGINAL

COMPANY : RAYDON EXPLORATION INC.
WELL : 1-32
GAUGE # : 13552
DATE : 11/ 7/91

FIELD : YORK
JOB # : 18336
DEPTH : 5014
TEST :

JUL 25

| DATA No. | REAL TIME HR:MN:SS | ELAPSE TIME DELTA HOURS | PRESSURE PSIG | TEMP DEG F | DELTA P Pi-P(i-1) |
|----------|--------------------|-------------------------|---------------|------------|-------------------|
| 49 | 11:56: 0 | 2.900 | 1731.000 | 128.00 | 2.000 |
| 50 | 11:59: 0 | 2.950 | 1733.000 | 128.00 | 2.000 |
| 51 | 12: 2: 0 | 3.000 | 1734.000 | 128.00 | 1.000 |
| 52 | 12: 5: 0 | 3.050 | 1735.000 | 128.00 | 1.000 |
| 53 | 12: 8: 0 | 3.100 | 1736.000 | 128.00 | 1.000 |
| 54 | 12:11: 0 | 3.150 | 1737.000 | 128.00 | 1.000 |
| 55 | 12:14: 0 | 3.200 | 1738.000 | 128.00 | 1.000 |
| 56 | 12:17: 0 | 3.250 | 1739.000 | 128.00 | 1.000 |
| 57 | 12:20: 0 | 3.300 | 1740.000 | 128.00 | 1.000 |
| 58 | 12:23: 0 | 3.350 | 1741.000 | 128.00 | 1.000 |
| 59 | 12:26: 0 | 3.400 | 1742.000 | 128.00 | 1.000 |
| 60 | 12:29: 0 | 3.450 | 1742.000 | 128.00 | 0.000 |
| 61 | 12:32: 0 | 3.500 | 1742.000 | 128.00 | 0.000 |
| 62 | 12:35: 0 | 3.550 | 1742.000 | 128.00 | 0.000 |
| 63 | 12:38: 0 | 3.600 | 1743.000 | 128.00 | 1.000 |
| 64 | 12:41: 0 | 3.650 | 1743.000 | 128.00 | 0.000 |
| 65 | 12:44: 0 | 3.700 | 1743.000 | 128.00 | 0.000 |
| 66 | 12:47: 0 | 3.750 | 1744.000 | 128.00 | 1.000 |
| 67 | 12:50: 0 | 3.800 | 1744.000 | 128.00 | 0.000 |
| 68 | 12:53: 0 | 3.850 | 1745.000 | 128.00 | 1.000 |
| 69 | 12:56: 0 | 3.900 | 1745.000 | 128.00 | 0.000 |
| 70 | 12:59: 0 | 3.950 | 1746.000 | 128.00 | 1.000 |
| 71 | 13: 2: 0 | 4.000 | 1746.000 | 128.00 | 0.000 |
| 72 | 13: 5: 0 | 4.050 | 1746.000 | 128.00 | 0.000 |
| 73 | 13: 8: 0 | 4.100 | 1746.000 | 128.00 | 0.000 |
| 74 | 13:11: 0 | 4.150 | 1746.000 | 128.00 | 0.000 |
| 75 | 13:13:59 | 4.200 | 1747.000 | 128.00 | 1.000 |
| 76 | 13:17: 0 | 4.250 | 1747.000 | 128.00 | 0.000 |
| 77 | 13:20: 0 | 4.300 | 1747.000 | 128.00 | 0.000 |
| 78 | 13:23: 0 | 4.350 | 1747.000 | 128.00 | 0.000 |
| 79 | 13:26: 0 | 4.400 | 1747.000 | 128.00 | 0.000 |
| 80 | 13:29: 0 | 4.450 | 1747.000 | 128.00 | 0.000 |

WESTERN TESTING CO. INC.



RELEASED
Houston, Tx. 77210
REMITTANCE P.O. Box 100806, Houston, Tx. 77212

CUSTOMER COPY
ORIGINAL

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

DATE: 11-13-91
SERVICE CONTRACT NO. 648687
NEW WELL OLD WELL WELL TYPE 0
WELL NO. 1-32 LEASE NAME & FEDERAL OFFSHORE LEASE NO. 901K
JOB NUMBER 501170
COUNTY/PARISH Comanche CODE 1407 STATE KS CODE 141
FIELD NAME CITY CODE
WELL OWNER Raydon Explor MTA CODE
PUMPING EQUIPMENT TIME (A OR P) DATE
TRUCK CALLED 7:00 P 11/13/91
ARRIVED AT JOB 9:45 P 11/13/91
START OPERATION 10:20 P 11/13/91
FINISH OPERATION 11:45 P 11/13/91
TIME RELEASED 12:15 A 11-14-91
MILES FROM STATION TO WELL 30 SALESMAN NUMBER

FROM CONFIDENTIAL
CUSTOMER ACCOUNT NO. Med Lodge
CUSTOMER Raydon Explor Inc. DIST NUMBER 584
ADDRESS 9400 N. Broadway Suite 400
CITY Oklahoma City STATE Okla. ZIP 73114
AUTHORIZED BY: (Please Print) Bob Casper ORDER NO.
STAGE NO. JOB CODE P115 WORKING DEPTH FT
1 SURFACE 2 INTERMEDIATE 3 PRODUCTION 4 REMEDIAL
TOTAL PREV. GALS. SIZE HOLE 7 7/8 DEPTH 5330 FT
TOTAL MEAS. DEPTH SIZE & WT. CASING 8 5/8 24" DEPTH FT
PIPE OR TUBING SIZE & WT. DRILL PIPE OR TUBING 4 1/2 16.6 DEPTH 990' FT
PACKER DEPTH FLUID PUMPED
PRESSURE AVG. PSI. MAX. PSI.
MAX. BPM 6
S/S EMPLOYEE NUMBER 502-46-817

REMARKS
RECEIVED
STATE CORPORATION COMMISSION
1111 29 1991
CONSERVATION DIVISION
Wichita, Kansas

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. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK 01
SIGNED: Mike Krom (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| PRICE BOOK REF NO | QUANTITY | DESCRIPTION | UNIT PRICE | U/M | PRICE EXTENSION |
|-------------------|----------|----------------|------------|-----|-----------------|
| 10102106 | 1 | 501' to 1000' | 674.00 | E | 674.00 |
| 10109005 | 30 | P1M | 2.45 | E | 73.50 |
| 10410505 | 75 | CLASS H | 5.79 | Q | 434.25 |
| 10415018 | 50 | Fly Ash | 3.06 | Q | 153.00 |
| 10420125 | 645 | Bg gel | .15 | L | 96.75 |
| 10890001 | 136 | Mixing service | 1.16 | Q | 157.76 |
| 10940101 | 211 | Drayage | .79 | E | 166.69 |
| | | | | | 1755.95 |
| | | Less | 0% | | |
| | | | | | 1418.00 |

SERVICE REPRESENTATIVE: Dawn Saterow
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Mike Krom
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CHECK IF CONTINUATION IS USED
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

KCC

RELEASED STAGE NO.

JUL 25

AUG 25 1992

Date 7-13-91 District Med Lodge Ticket No. 648687
 Company Raydon Explor. Rig _____
 Lease YONK Well No. 1-32
 County COMANCHE State KANS
 Location _____ Field _____

CEMENT DATA:
 Spacer Type: NON-CEMENTAL
 Amt: _____ Sks Yield _____
 FROM CONFIDENTIAL PPG

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 9 5/8 Type _____ Weight 24 Collar _____

LEAD: Pump Time _____ hrs. Type 60/40/6%
901 Excess _____
 Amt. 125 Sks Yield 1.58 ft³/sk Density 13.8 PPG

Casing Depths: Top _____ Bottom _____

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 5330 ft. P.B. to _____ ft.

Pump Trucks Used 2980 6481
 Bulk Equip. 2903

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. .01422 Lin. ft./Bbl. 70.3
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE NONE

CEMENTER Dean Sateran

| TIME | PRESSURES PSI | | FLUID PUMPED DATA | | | REMARKS |
|-------|-------------------|---------|-------------------|------------------------|----------------|--------------------------------------|
| | DRILL PIPE CASING | ANNULUS | TOTAL FLUID | Pumped Per Time Period | RATE Bbls Min. | |
| 9:45 | | | | | | Annular seal - hold safety at rig up |
| 10:20 | 200 | | | 14 | | 50 SKS @ 990 |
| 10:45 | 200 | | 24 | 10 | | Start cement plug down |
| 10:55 | 200 | | 39 | 14 | | 50 SKS @ 600' |
| 11:09 | 200 | | 43 | 5 | | Start cement plug down |
| | | | 47 | 4 | | 15 SKS incl hole |
| | | | 50 | 3 | | 10 SKS @ 40' |
| 11:45 | | | | | | Job complete |

RECEIVED
 STATE CORPORATION COMMISSION

JUL 29 1991

CONSERVATION DIVISION
 Wichita, Kansas



LOAD SHEET ORIGINAL

| | | | | |
|-----------------------------|----------------------------------|------------------------|--|-------------------------------|
| JOB NUMBER 501176 | CONTRACT NUMBER 642687 | DATE 7-13-91 | DIRECT SHIPMENT FROM Medford | DISTRICT NAME Judge |
|-----------------------------|----------------------------------|------------------------|--|-------------------------------|

| | |
|---|---|
| CUSTOMER NAME AND ADDRESS Raydon Explan | DIRECT SHIPMENT FROM KCC |
| | VENDOR NAME FROM CONFIDENTIAL |
| | JUL 25 |
| | CONFIDENTIAL |

| Item No. | Part Number | Description | UNIT OF MEASURE | AMOUNT LOADED | DIRECT SHIPPED | AMOUNT RETURNED |
|----------|-------------|-------------|-----------------|---------------|----------------|-----------------|
| 1 | 410505 | CLASS H | Q | 75 | | |
| 2 | 415018 | Flg Ash | Q | 50 | | |
| 3 | 420145 | Dg 901 | L | 645 | | |
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RECEIVED
STATE COMMISSION
JUL 29 1991
CONSERVATION DIVISION
Wichita, Kansas

| | | |
|--|--------------------------------|----------------------------|
| COPY 1 - DISTRICT COPY COPY 2 - CUSTOMER COPY COPY 3 - HOUSTON | LOADED BY: <u>Dean Sateran</u> | CUSTOMER: <u>Mike Kwon</u> |
| | PRINTED | SIGNATURE |
| | SIGNATURE | DATE: <u>7-13-91</u> |

Must be approved by the K.C.C. five (5) days prior to commencing well

Expected Spud Date JUNE 15 1991
 month day year

W/2. SE/4. sec. 32. Twp. 31. S. Rg. 16. East
 1320 feet from South line of Section
 1980 feet from East line of Section
 (Note: Locate well on Section Plat on Reverse side)

OPERATOR: License # 3964 306654
 Name: RAYDON Exploration, Inc.
 Address: 5400 N. Broadway, Suite #400
 City/State/zip: OKLAHOMA CITY, OK 73114
 Contact Person: Keith Hill
 Phone: 315-624-0156

CONTRACTOR: License # 5420
 Name: White & Ellis Drilling Inc.

Well Drilled For: Well Class: Type Equipment:
 Oil Inj ... Infield Mud Rotary
 Gas Storage ... Pool Ext. ... Air Rotary
 OMO Disposal ... Cable
 Seismic; # of Holes

If OMO: old well information as follows:

Operator:
 Well Name:
 Comp. Date:
 Old Total Depth

Directional, Deviated or Horizontal wellbore? Yes No
 If Yes, total depth location:

Exp. 12/6/91

AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55-101, et. seq. It is agreed that the following minimum requirements will be met:

200' ALF. I Req.

DNR Permit #:
 Will Cores Be Taken?
 If Yes, proposed zone:
 Municipal well within one mile:
 Depth to bottom of fresh water:
 Depth to bottom of usable water:
 Surface Pipe by Alternate:
 Length of Surface Pipe Planned to be set:
 Length of Conductor pipe required:
 Projected Total Depth:
 Formation at Total Depth:
 Water Source for Drilling Operations:
 ... well ... farm pond other

Pusher JLH 823
 SPUD DATE 6-27-91 INIT GRK
 LENGTH SURFACE PLANNED 577
 RESERVE PIT STATUS- REMOVE FLUID LINED
 after salt sect. bbls. when done bbls.
 RATHOLED AHEAD? Y N SIZE HOLE
 SURFACE PIPE 8518 @ 577 CONDUCTOR
 ANHYDRITE T-966 B-991 ELEVATION
 TD 5333 FORMATION missed
 RAN PIPE @ DV TOOL ALT II DONE
 SX SX Y N
 Arbuckle Plug @ Ft. W/ SX
 Hug./Council @ Ft. W/ SX
1 Anhydrite Base @ 996 Ft. W/ 50 SX
 1/2 Base Anyh. @ Ft. W/ SX
 1/2, 1/2 Plug @ Ft. W/ SX
2 Bottom Surface @ 600 Ft. W/ 50 SX
3 40' Plug @ 40-0 Ft. W/ 10 SX
 RAT HOLE CIRC/W 15 SX MOUSE HOLE W/ SX
 WATER WELL SX (Irr. Well Pond Creeks)
 Hauling
 TECHNICIAN So DATE
 TYPE OF CEMENT 60/40 Poe 6%
 STARTING TIME 9:15 (AM/PM) DATE 7-13-91
 COMPLETION TIME 11:15 (AM/PM) DATE 13th
 CEMENT COMPANY B-S