

RELEASED

ORIGINAL

KCC

OCT 9 7 1992

SIDE ONE

SEP 0 5

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- 033-20 831-00-00

County Comanche

N/2 NE/4 SE/4 Sec. 2 Twp. 32 Rge. 18 XX East West

2310 Ft. North from Southeast Corner of Section

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

Lease Name Wilson Well # 1-2

Field Name Wildcat

Producing Formation Mississippian

Elevation: Ground 2098 KB 2110

Total Depth 6033 PBTD N/A

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: Haveland Tower

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Completion

Dry Other (Core, Water Supply, etc.)

If **OWO**: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

8-6-91 8-20-91 N/A

Spud Date Date Reached TD Completion Date

RECEIVED

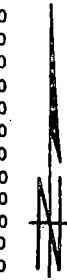
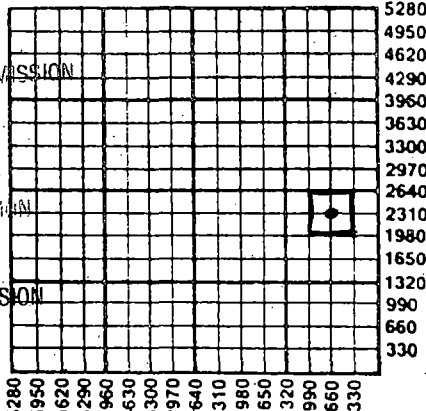
SEP 0 6 1991

CONSERVATION DIVISION
Wichita, Kansas

RECEIVED

SEP 1 3 1991

CONSERVATION DIVISION
Wichita, Kansas



15-2 Dto

Amount of Surface Pipe Set and Cemented at 681 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set N/A 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 Keith Hill

Title Agent Date 9-5-91

Subscribed and sworn to before me this 12th day of September, 19 91.

Notary Public Sara Batman

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)

Notary Public - State of Kansas
TARA BATMAN
My Appt. Expires 8-16-94

P1

SIDE TWO

Operator Name Raydon Exploration, Inc. Lease Name Wilson Well # 1-2
 Sec. 2 Twp. 32 Rge. 18 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) Submitted DIL & Density logs dated 7-22-91	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td></td> <td style="text-align: center;"><input checked="" type="checkbox"/> Log</td> <td style="text-align: center;"><input 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>Heebner Shale</td><td style="text-align: center;">4280</td><td></td></tr> <tr><td>Lansing/KC</td><td style="text-align: center;">4436</td><td style="text-align: center;">4863</td></tr> <tr><td>Base/KC</td><td style="text-align: center;">4864</td><td style="text-align: center;">4875</td></tr> <tr><td>Pleasanton</td><td style="text-align: center;">4876</td><td style="text-align: center;">4927</td></tr> <tr><td>Marmaton</td><td style="text-align: center;">4928</td><td style="text-align: center;">4985</td></tr> <tr><td>Altamont</td><td style="text-align: center;">4986</td><td style="text-align: center;">5071</td></tr> <tr><td>Cherokee</td><td style="text-align: center;">5072</td><td style="text-align: center;">5123</td></tr> <tr><td>Mississippian</td><td style="text-align: center;">5124</td><td style="text-align: center;">5187</td></tr> <tr><td>Miss. Warsaw</td><td style="text-align: center;">5188</td><td style="text-align: center;">5263</td></tr> <tr><td>Miss. Osage</td><td style="text-align: center;">5264</td><td style="text-align: center;">5648</td></tr> <tr><td>Viol</td><td style="text-align: center;">5649</td><td style="text-align: center;">5871</td></tr> <tr><td><input checked="" type="checkbox"/> New <input type="checkbox"/> Used Simpson</td><td style="text-align: center;">5920</td><td style="text-align: center;">5955</td></tr> <tr><td>Report all strings set-conductor, surface, intermediate, production, etc.</td><td style="text-align: center;">LMB Simpson 5956</td><td style="text-align: center;">5984</td></tr> <tr><td>Arbuckle</td><td style="text-align: center;">5985</td><td style="text-align: center;">6033</td></tr> </table>	Formation Description				<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample	Name	Top	Bottom	Heebner Shale	4280		Lansing/KC	4436	4863	Base/KC	4864	4875	Pleasanton	4876	4927	Marmaton	4928	4985	Altamont	4986	5071	Cherokee	5072	5123	Mississippian	5124	5187	Miss. Warsaw	5188	5263	Miss. Osage	5264	5648	Viol	5649	5871	<input checked="" type="checkbox"/> New <input type="checkbox"/> Used Simpson	5920	5955	Report all strings set-conductor, surface, intermediate, production, etc.	LMB Simpson 5956	5984	Arbuckle	5985	6033
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CASING RECORD							
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	681'	Class H	290	lite w/3% CC & 6% gels

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	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
N/A				

Date of First Production N/A	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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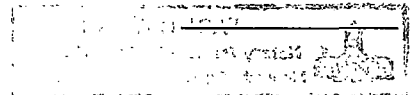
Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval





P.O. Box 4442
Houston, TX 77210

CUSTOMER COPY K00

ORIGINAL ORIGINAL
REMIT TO: P.O. Box 100806, Houston, Tx. 77212

SEP 0 SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

DATE 9/6/91
CONFIDENTIAL
SERVICE CONTRACT NO. 648759

CUSTOMER ACCOUNT NO.	DIST NAME 584	NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE	JOB NUMBER 501240
CUSTOMER RAYDON EXPLORATION	DIST NUMBER MEL 0066V	WELL NO. 1-2	LEASE NAME & FEDERAL OFFSHORE LEASE NO. WILSON	
ADDRESS 9400 N. Broadway St. #400	CITY Oklahoma City STATE Okla. ZIP 73114	COUNTY/PARISH COMANCHE	CODE 1407	STATE KS CODE 14
AUTHORIZED BY ROBERT SPANDEN	ORDER NO.	WELL OWNER RAYDON EXPLORATION	MTA CODE	
STAGE NO. 1	JOB CODE OILS - CEMENT	WORKING DEPTH 6050	PUMPING EQUIPMENT	TIME (A OR P) 1:30 P
TOTAL PREV. GALS.	1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input checked="" type="checkbox"/>	DEPTH	TRUCK CALLED	DATE MM DD YY 08 20 91
TOTAL MEAS. DEPTH	SIZE HOLE 7 7/8" DEPTH 681	DEPTH 681	ARRIVED AT JOB	4:00 P 08 20 91
FT.	SIZE & WT. CASING 3 1/8" 24# DEPTH 6050	DEPTH 6050	START OPERATION	5:00 P 08 20 91
AVG. PSI. 150	PACKER DEPTH	FLUID PUMPED 40.60.6	FINISH OPERATION	11:30 P 08 20 91
MAX. BPM 9	CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT			
S/S EMPLOYEE NUMBER 6664SH	RELEASED			
REMARKS	OCT 07 1992			

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

SEP 06 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	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
01	19102134	1	6,001' - 6,500' PUMP CHANGE	1616.00	E	1,616.00
	1010900S	37	MILEAGE, ONE WAY	2.47	E	91.39
	10410504	106	CLASS A	5.79	Q	613.74
	10415018	71	FLYASH	3.06	Q	217.26
	1042014S	900	BT BEL	.15	L	135.00
	10830001	192	MIXING SERVICE	1.16	Q	222.72
	10940101	300	DRAVAGE 8.1 X 37	.79	E	237.00
			BOOK PRICE		#	3133.11
			LESS			657.95
			SUBTOTAL		#	2475.16

SERVICE REPRESENTATIVE KEVIN BRUNGARDT
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: X R. M. J. Sander

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.

BJ SERVICES TERMS AND CONDITION

EFFECTIVE: 04/15/86

TERMS. Terms of payment for all services and materials including bulk cement are net price. All unpaid bills are subject to maximum legal interest rate, per annum, beginning 30 days after invoice date. In the event that Customer's account with BJ Services becomes delinquent, BJ Services has the right to reinstate any and all discounts applied in arriving at net invoice price; such amounts will likewise become due and owing and subject to collection.

TAXES. All prices are exclusive of any Federal, State or Special Taxes for the sale or use of merchandise or service listed. The amount of taxes required to be paid by the seller shall be added to the quoted prices payable by the buyer.

CREDIT. Unless satisfactory credit has been established, cash payment will be required in advance.

TOWING CHARGES. We will make reasonable attempt to get to and from the well under our own power. Should we be unable to do so because of poor or inadequate road conditions, and it becomes necessary to employ a tractor or other pulling equipment, such equipment will be supplied by the customer; or if furnished by us, the cost will be charged to the customer.

SPECIAL PROVISIONS. If a material service is ordered and the customer cancels same after the materials have been prepared, a charge will be made to the customer for expenses incurred.

All material prices are subject to change without notice.

In connection with services performed that require payment of any applicable royalty or license fee, such royalty or license fee will be billed to the customer in addition to the price of any services performed by BJ Services.

SERVICE CONDITIONS. We carry public liability and property damage insurance, but as there are so many uncertain and unknown conditions not subject to our control, we can neither be liable for injuries to property or persons nor for loss or damage arising from the performance of our services or resulting therefrom.

1. The Company shall not be liable or responsible for and customer shall defend, indemnify and hold BJ Services harmless, and its officers, agents or employees, from and against any and all claims or causes of action for damage to customer's property and of the well owner, or any third person, and for bodily injury, sickness or disease, including death resulting thereof, brought by, or on behalf of customer, the well owner, or any third person arising out of, or in connection with, BJ Services' performance of services or the furnishing of materials, products, and supplies; unless caused by the willful misconduct or gross negligence of BJ Services.

2. Customer shall also be responsible for and shall defend, indemnify and hold BJ Services harmless, and its officers, agents or employees, from and against any and all claims, causes of action and liabilities for oil spills, pollution, sub-surface damage or surface damage, injury to the well, reservoir loss, or damage arising from a well blow-out; unless such loss or damage is caused by the willful misconduct or gross negligence of BJ Services.

3. Customer shall also be responsible for and shall defend, indemnify and hold BJ Services harmless, and its officers, agents or employees, from and against any and all claims, causes of action and liabilities for damages occurring as a result of sub-surface trespass arising out of any oil well fracturing operations or services performed by BJ Services, this provision applying to any claims or legal actions of royalty owners, working interest holders, over-riding royalty interest holders, or any other person or concern.

4. BJ Services does not assume any liability or responsibility for damages or conditions resulting from chemical action in the cements caused by the contamination of water or other fluids.

5a. Should any of BJ Services' tools, equipment, or instruments become lost in the well or damaged when performing or attempting to perform services, customer shall either recover such lost items without cost to BJ Services or reimburse BJ Services for the reasonable value of such tools, equipment or instruments; unless such loss or damage is caused by the sole negligence of BJ Services.

5b. In addition to the above, in case of loss or damage to tools, equipment, or instruments used for marine operations, customer shall either recover such lost items without cost to BJ Services or reimburse BJ Services for such loss or damage which occurs at any time after delivery to the customer at the landing until returned to BJ Services at the landing; unless such loss or damage is caused by the sole negligence of BJ Services.

6. BJ Services does not guaranty or warrant the success of the effectiveness of the result of any of its services; materials, products or supplies used, sold or furnished.

7. BJ Services does not guaranty or warrant the accuracy or correctness of any facts, information or data furnished by BJ Services; unless caused by the willful misconduct or gross negligence of BJ Services in the preparation, furnishing of such facts, information or data.

8. Work done by BJ Services shall be under the direction, supervision and control of the owner, operator, or his agent and BJ Services will perform the work as an independent contractor and not as an employee or agent of the owner or operator.

9. In no event shall Company be liable for consequential and/or special damages, loss of profits, loss of product or use.

WARRANTY PROVISIONS. BJ Services warrants all materials, products and supplies manufactured or furnished by it to be free from defects in material and workmanship, under normal use and service, when installed, used and serviced in the manner provided and intended. BJ Services' obligation under this warranty is expressly limited to repair, replacement or allowance of credit; at its option, for any materials, product or supplies which are determined by BJ Services to be defective. This is the sole warranty of BJ Services and no other warranty is applicable, either express or implied, in fact or by law, including any warranty as to merchantability or fitness for a particular use or purpose. Customer's sole and only remedy in regard to any defective materials, products or supplies shall be the repair or replacement thereof or allowance of credit as herein provided, and BJ Services shall not be liable for any consequential, special, incidental or punitive damages resulting from or caused by any defective materials, products or supplies.



P.O. Box 4442
Houston, Texas 77210

ORIGINAL

CEMENTING LOG

STAGE NO.

SEP 0 5

CEMENT DATA

Space Type **CONFIDENTIAL**
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

Date 3-20-91 District Med Lodge Ticket No. 648759
Company RAYDON EXPLORATION Rig W.E # 3
Lease WILSON Well No. 1-2
County COMANCHE State KANSAS
Location J-375-134 Field _____

CA. ING DATA: PTA Squeeze
Surface Intermediate Production Liner
Size 3 7/8" Type _____ Weight 24# Collar _____

Casing Depths: Top 61 Bottom 631'

Drill Pipe: Size 4 1/2" Weight 16.6# Collars 24
Open Hole: Size 7 7/8" T.D. 6050' ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
Open Holes: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
Drill Pipe: Bbbls/Lin. ft. 0.142 Lin. ft./Bbl. 70.3
Annulus: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
Perforations: From _____ ft. to _____ ft. Amt. _____

LEAD: Pump Time _____ hrs. Type _____
Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type 40:60.4
Excess _____

Amt. 177 Sks Yield 1.58 ft³/sk Density 13.8 PPG

WATER: Lead _____ gals/sk Tail 2.8 gals/sk Total 33 Bbbls

Pump Trucks Used 2757-6420 Max Rowland
Bulk Equip. 2903-6483 JUSTIN HART

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type DALG MOD Amt. 80 Bbbls Weight 9.3 PPG

Mud Type CHEMICAL Weight 9.3 PPG

COMPANY REPRESENTATIVE

RECEIVED
STATE CORPORATION COMMISSION

CEMENTER

KEVIN PRANGARDT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbbls Min.	
4:00						ON LOCATION, RIG UP JOB + SAFETY MEETING
	700					SOX @ 6050' START H ₂ O VIA D.P.
	650		8 1/2	8 1/2	5 1/2	H ₂ O IN - START CEMENT
	350		19 3/4	11 1/4	5 1/2	CEMENT IN - START H ₂ O
	350		22 3/4	3	9	H ₂ O IN - START MUD
5:15	650		102 3/4	30	9	MUD IN - STOP PUMPS
	100					SOX @ 1070' START H ₂ O VIA D.P.
	150		110 1/4	8 1/2	5 1/2	H ₂ O IN - START CEMENT
	200		125 1/4	14	5 1/2	CEMENT IN - START H ₂ O
	150		128 1/4	3	7	H ₂ O IN - START MUD
10:00	200		136 1/4	3	7	MUD IN - STOP PUMPS
	300					SOX @ 700' START H ₂ O VIA D.P.
	250		147 1/4	9	5 1/2	H ₂ O IN - START CEMENT
	300		161 1/4	14	5 1/2	CEMENT IN - START H ₂ O
10:20	300		167 3/4	6 1/2	3 1/2	H ₂ O IN - STOP PUMPS
	200		170 3/4	3	3	CIRCULATE CEMENT TO SURFACE - 40'
11:30	200		178 1/4	7 1/2	3	WITH 100 IN 3 1/8" CIRCULATE CEMENT TO SURFACE IN RATHOLE WITH 2754 11254 FROM NOT PLUGGING WATER WELL



KCC

LOAD SHEET

ORIGINAL

JOB NUMBER 501240		CONTRACT NUMBER 648759		DATE 8-20-91	DISTRICT NAME MED. 606E, KS		
CUSTOMER NAME AND ADDRESS Raydon EXPLORATION				DIRECT SHIPMENT FROM VENDOR NAME - 0 0 0			
				RELEASED			
				OCT 0 7 1992			
				FROM CONFIDENTIAL			
Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED	
1	410504	Class A	G	106		0	
2	415018	Flash	G	71		0	
3	420145	Bel	L	900		0	
4							
5							
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RECEIVED
STATE CORPORATION COMMISSION

SEP 0 6 1991

CONSERVATION DIVISION
Wichita, Kansas

COPY 1 - DISTRICT COPY
COPY 2 - CUSTOMER COPY
COPY 3 - HOUSTON

LOADED BY:

mat e. m...

PRINTED

CUSTOMER

X R...

SIGNATURE

Kevin...

SIGNATURE

DATE

8-20-91



P.O. Box 4442
Houston, Tx. 77210

ORIGINAL

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

SEP 05
REMIT TO: P.O. Box 100806, Houston, Tx. 77212

DATE 8-7-91	SERVICE CONTRACT NO. 648730
NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE D
JOB NUMBER 501225	LEASE NAME & FEDERAL OFFSHORE LEASE NO. Wilson
WELL NO. 1-2	COUNTY/PARISH Cannatta
CODE 1407	STATE 1cs
FIELD NAME	CITY CODE
WELL OWNER Raydon Exploration Inc	MTA CODE
STAGE NO. 1	JOB CODE 0100
WORKING DEPTH 681 FT	PUMPING EQUIPMENT
TRUCK CALLED	TIME (A OR P) 019:30A
ARRIVED AT JOB	DATE 08/07/91
START OPERATION	012:00P
FINISH OPERATION	02:30P
TIME RELEASED	
MILES FROM STATION TO WELL 37	SALESMAN NUMBER

CONFIDENTIAL

CUSTOMER ACCOUNT NO.	DIST NAME Mediana Lodge
CUSTOMER Raydon Exploration Inc	DIST NUMBER 584
ADDRESS 9400 N Broadway Suite 400	
CITY Oklahoma City	STATE OK
ZIP 73114	
AUTHORIZED BY: (Please Print)	ORDER NO.
STAGE NO. 1	JOB CODE 0100
WORKING DEPTH 681 FT	1 SURFACE <input checked="" type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>
TOTAL PREV. GALS.	SIZE HOLE 12 1/4
	DEPTH 689 FT
TOTAL MEAS. DEPTH FT.	SIZE & WT. CASING 8 5/8 24
	DEPTH 681 FT
	SIZE & WT. DRILL PIPE OR TUBING
	DEPTH
PRESSURE AVG PSI 300	PACKER DEPTH
MAX PSI 500	FLUID PUMPED

REVENUE EQUIPMENT (UNIT NUMBERS)	EMPLOYEES ON JOB (EMPLOYEE NUMBER)
B5V 2902	70 1856
B5V 2904	82 2182

RELEASED

PRICE BOOK REF.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION
SEP 06 1991

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 0.1
SIGNED: *Mike Krom*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1101101015016	1	501 to 1000	663.00	Q	663 00
11011019101015	37	Pump truck mileage	2.45	E	90 65
11014110101015	339	Class H	5.79	S	1962 81
11014115101118	101	Fly Ash	3.06	S	309 06
11014115101319	786	a-7P	.48	L	377 28
11014120111415	1513	BJ Gal	1.15	L	226 95
11014130101318	1	8 5/8 Top Plug	105.25	E	105 25
110181810101011	478	Dry Materials per cubic ft	1.16	C	554 48
110191410111011	769.6	Drayage per ton mile 20.8 x 37	1.79	T	607 98
11014101914101016	1	Guide Shoe 8 5/8"	222.00	E	222 00

SERVICE REPRESENTATIVE *Mr. C. Wolf*
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.



KCC
SEP 05

ORIGINAL

SERVICE OPERATIONS CONTRACT
CONTINUATION

CONTRACT NO. 648730

DATE OF JOB	MM DD YY	DISTRICT	DIST. NO.	AUTHORIZED BY
081017	91	Medicine Lodge	584	
CUSTOMER				
Rayden Exploration Inc				

PRICE BOOK	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
0.1	1014101916100	W 1	AF Insert 8 7/8	256.00	E	256 00
	1014101916100	B 1	Basket 8 7/8	312.00	E	312 00
	1014101916100	W 2	Centralizer 8 7/8	51.75	E	103 50
			Books Price			5790 96
			Dis Count			7563 55
			Sub total			4227 41

RELEASED

OCT 07 1992

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

SEP 06 1991

CONSERVATION DIVISION
Wichita, Kansas

SERVICE REPRESENTATIVE *me & Wolf*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Mike Krom*

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 77240

CEMENTING LOG

STAGE NO. **RELEASED**

SEP 05

ORIGINAL

OCT 07 1992

Date 8-7-91 District Midland ~~CONFIDENTIAL~~ 730
 Company Raydon Exploration Inc Rig N. 1. E. N. 8
 Lease Wilson Well No 1-2
 County Comanche State Ks
 Location N/2 NE 1/4 SE 1/4 2-32s-18W Field
150 Wilson Rd 1W. 1/4 N W in

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
FROM CONFIDENTIAL

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 5/8 Type J 55 Weight 24 Collar 8 Road

LEAD: Pump Time _____ hrs. Type BJ L.t.
H 6 1/2 CC 3 1/2 CC Excess _____
 Amt. 290 Skys Yield 1.60 ft³/sk Density 13.44 PPG
 TAIL: Pump Time _____ hrs. Type Class H
3 1/2 CC Excess _____
 Amt. 150 Skys Yield 1.18 ft³/sk Density 15.25 PPG
 WATER: Lead 2290 gals/sk Tail 177 gals/sk Total 2468 Bbls.

Casing Depths: Top _____ Bottom _____

Pump Trucks Used BSV 2902 BSV 6481
 Bulk Equip. BSV 2904 BJ 8764

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 TD 689 ft PB to 681 ft

Float Equip: Manufacturer _____
 Shoe Type 689 Cement Depth 689
 Float: Type AF Insert Depth 650
 Centralizers: Quantity 2 Plugs Top 650 Btm. No
 Stage Collars Basket Baker 327
 Special Equip _____
 Disp Fluid Type H2O Amt. 41.5 Bbls Weight 8.34 PPG
 Mud Type Vis Weight 8.9 PPG

CAPACITY FACTORS
 Casing: Bbls/Lin ft. 0.0637 Lin. ft /Bbl 15.70
 Open Holes: Bbls/Lin ft. 0.1458 Lin. ft /Bbl 6.8599
 Drill Pipe Bbls/Lin ft _____ Lin. ft /Bbl _____
 Annulus: Bbls/Lin ft 0.085 Lin. ft /Bbl 13.6037
 Bbls/Lin ft _____ Lin. ft /Bbl _____
 Perforations: From _____ ft to _____ ft Amt _____

COMPANY REPRESENTATIVE Mike Horn

CEMENTER Max E. Wolf

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
2:00 P	8 5/8	12 1/4	10	1 1/2	6	H2O flush
2:02 P						
2:02 PM	8 5/8	12 1/4	82.5	13.75	6	BJ L.t. Lead 65/25 6 1/2 + 3 1/2 CC
2:15						
2:15	8 5/8	12 1/4	31.5	5.25	6	Class H 3 1/2 CC
2:20						
2:20						Release plug
2:25						
2:35	8 5/8	12 1/4	41.5	10.75	4	Pump Plug
2:35						
2:35						Plug down at
						Float Held
						Burst 2950
						Claps 1370

RECEIVED
STATE COMMISSION

SEP 06 1991

CONSERVATION DIVISION
Wichita, Kansas

FINAL DISP. PRESS: 250 PSI BUMP PLUG TO 350 PSI BLEEDBACK 1/8 BBLs

Form No. SR 0502 (Rev. 3/90) Note: Must accompany job ticket. THANK YOU

OPERATOR'S FILE COPY

ORIGINAL

SEP 0 5

RELEASED

CONFIDENTIAL

OCT 0 7 1992

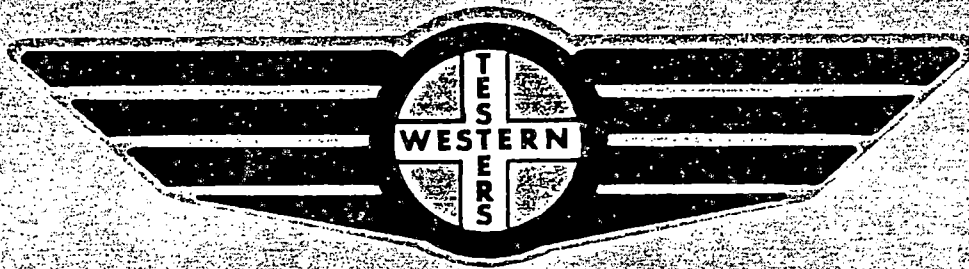
FROM: CONFIDENTIAL



FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

SEP 0 6 1991

COMPANY: RAYDON EXPLORATION, INC. LEASE & WELL NO. WILSON #1-2 SEC. 2 TWP. 32S RGE. 18W TEST NO. 1 DATE 8/14/91

KCC

SEP 0 5

CONFIDENTIAL

RELEASED

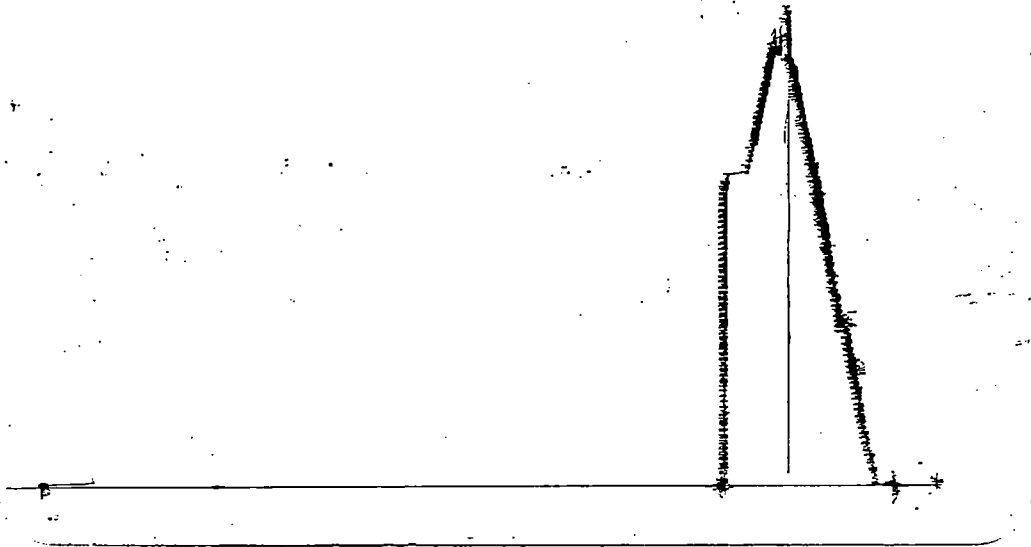
DST # 1
13552

TKT 18348

SEP 0 7 1992

I

FROM CONFIDENTIAL

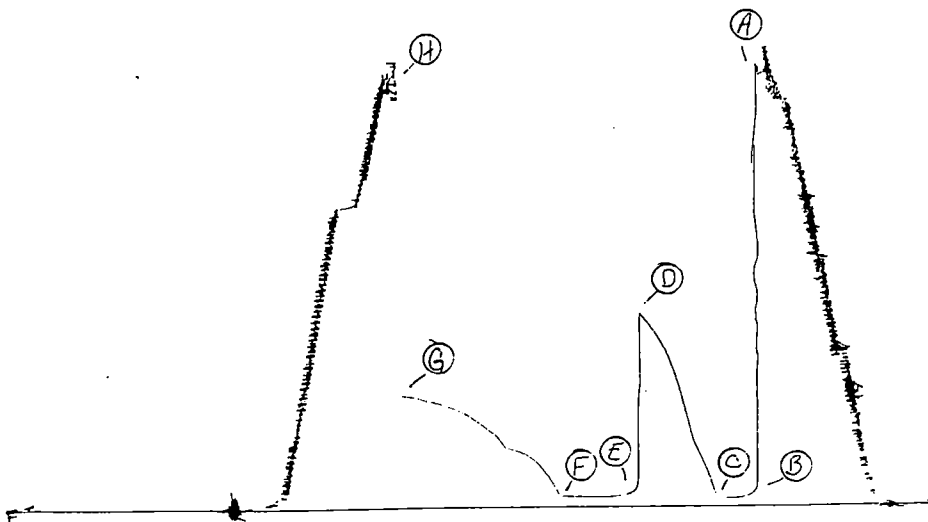


Inside Recorder

DST # 1
13361
*

TKT 18348

0



Outside Recorder

ORIGINAL

KOD

SEP 0 5

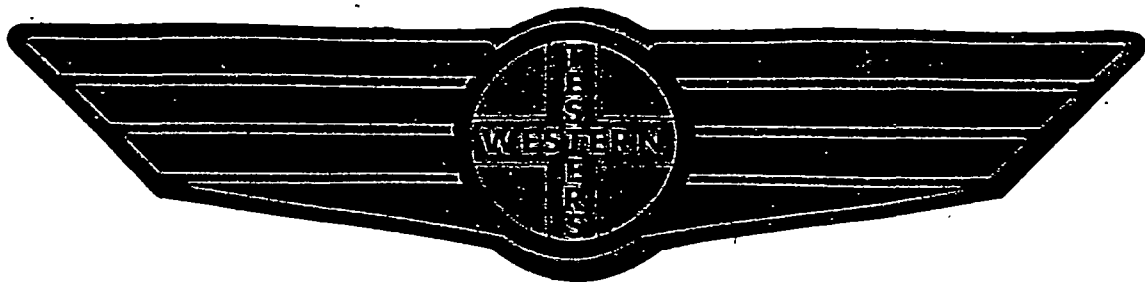
CONFIDENTIAL

RELEASED

OCT 0 7 1992

FROM 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. WILSON #1-2 SEC. 2 TWP. 32S RGE. 18W TEST NO. 1 DATE 8/14/91

SEP 0 5

WESTERN TESTING CO. INC.
 SUBSURFACE PRESSURE SURVEY

DATE	: 8/14/91	TICKET	: 18348
CUSTOMER	: RAYDON EXPLORATION INC.	LEASE	: WILSON
WELL	: 1-2 TEST: 1	GEOLOGIST	: WILLIAMS
ELEVATION	: 2098 KB	FORMATION	: MARMATON
SECTION	: 2	TOWNSHIP	: 32S
RANGE	: 18W COUNTY : COMANCHE	STATE	: KANSAS
GAUGE SN#	: 13361 RANGE : 4250	CLOCK	: 12

INTERVAL FROM	: 4980	TO	: 4995	TOTAL DEPTH	: 4995
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4975	SIZE	: 6.63		
PACKER DEPTH	: 4980	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

RELEASED

OCT 0 7 1992

DRILLING CON.	: WHITE & ELLIS RIG 8		
MUD TYPE	: LOW SOLIDS	VISCOSITY	: 45
WEIGHT	: 9.1	WATER LOSS (CC)	: 9.8
CHLORIDES (PPM)	: 10500		
JARS-MAKE	: WTC	SERIAL NUMBER	: 420
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

FROM CONFIDENTIAL

DRILL COLLAR LENGTH	: 0 FT	I.D. inch	: 0.00
WEIGHT PIPE LENGTH	: 0 FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 4951 FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 29 FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 15 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 VERY STRONG BLOW-GAS
 BLOW COMMENT #3 : TO SURFACE IN 5 MINUTES-TOO WEAK TO
 BLOW COMMENT #4 : GAUGE.

SEP 0 5

RECOVERED : 90 FT
RECOVERED : 0 FT

CONFIDENTIAL
OF: 40%GAS;5%OIL;55%MUD

Total Barrels Fluid = 1.26
Total Fluid Prod Rate = 21.39 BFPD
Indicated Oil Rate = 1.07 BOPD
Indicated Wtr Rate = 1.18 BWPD
Corrected Oil Rate = 1.90 BOPD
Corrected Wtr Rate = 2.09 BWPD

RELEASED

007 0 7 1992

FROM CONFIDENTIAL

REMARK 1 :
REMARK 2 : READ OUTSIDE CHART
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 12:00 PM
WELL TEMPERATURE : 118
INITIAL HYDROSTATIC PRESSURE (A) 2395
INITIAL FLOW PERIOD MIN: 30 (B) 55 PSI TO (C) : 47
INITIAL CLOSED IN PERIOD MIN: 57 (D) 1067
FINAL FLOW PERIOD MIN: 55 (E) 72 PSI TO (F) : 58
FINAL CLOSED IN PERIOD MIN: 117 (G) 626
FINAL HYDROSTATIC PRESSURE (H) 2348

TIME STARTED OFF BOTTOM : 4:30 PM

KCO

SEP 0 5

CONFIDENTIAL

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

RELEASED

OCT 0 7 1992

FROM CONFIDENTIAL

COMPANY : RAYDON EXPLORATION INC.
RIG : COMANCHE-KANSAS
FIELD : WILSON
WELL : 1-2
DATE : 8/14/91
GAUGE NO : 13361

OPERATIONAL COMMENTS

READ OUTSIDE CHART

SEP 0 5

ORIGINAL

RELEASED

COMPANY : RAYDON EXPLORATION INC.
WELL : 1-2
GAUGE # : 13361
DATE : 14/ 8/91

CONFIDENTIAL

FIELD : WILSON
JOB # : 18348
DEPTH : 4995
TEST :

OCT 0 7 1992

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: 0: 0	0.000	55.000	118.00	0.000
3	12: 4:59	0.083	55.000	118.00	0.000
4	12:10: 0	0.167	55.000	118.00	0.000
5	12:15: 0	0.250	50.000	118.00	-5.000
6	12:19:59	0.333	48.000	118.00	-2.000
7	12:25: 0	0.417	47.000	118.00	-1.000
8	12:30: 0	0.500	47.000	118.00	0.000
INITIAL SHUT-IN PERIOD					
9	12:33: 0	0.550	119.000	118.00	72.000
10	12:36: 0	0.600	182.000	118.00	63.000
11	12:39: 0	0.650	237.000	118.00	55.000
12	12:42: 0	0.700	288.000	118.00	51.000
13	12:45: 0	0.750	348.000	118.00	60.000
14	12:48: 0	0.800	400.000	118.00	52.000
15	12:51: 0	0.850	485.000	118.00	85.000
16	12:54: 0	0.900	568.000	118.00	83.000
17	12:57: 0	0.950	647.000	118.00	79.000
18	13: 0: 0	1.000	719.000	118.00	72.000
19	13: 2:59	1.050	780.000	118.00	61.000
20	13: 6: 0	1.100	839.000	118.00	59.000
21	13: 9: 0	1.150	886.000	118.00	47.000
22	13:12: 0	1.200	924.000	118.00	38.000
23	13:15: 0	1.250	963.000	118.00	39.000
24	13:18: 0	1.300	994.000	118.00	31.000
25	13:21: 0	1.350	1022.000	118.00	28.000
26	13:24: 0	1.400	1050.000	118.00	28.000
27	13:27: 0	1.450	1067.000	118.00	17.000
FINAL FLOW PERIOD					
28	13:28: 0	1.467	72.000	118.00	-995.000
29	13:31:59	1.533	72.000	118.00	0.000
30	13:37: 0	1.617	68.000	118.00	-4.000
31	13:42: 0	1.700	63.000	118.00	-5.000
32	13:46:59	1.783	60.000	118.00	-3.000
33	13:52: 0	1.867	59.000	118.00	-1.000
34	13:57: 0	1.950	58.000	118.00	-1.000
35	14: 1:59	2.033	58.000	118.00	0.000
36	14: 7: 0	2.117	58.000	118.00	0.000
37	14:12: 0	2.200	58.000	118.00	0.000
38	14:16:59	2.283	58.000	118.00	0.000
39	14:22: 0	2.367	58.000	118.00	0.000
FINAL SHUT-IN PERIOD					
40	14:25: 0	2.417	91.000	118.00	33.000
41	14:28: 0	2.467	130.000	118.00	39.000
42	14:31: 0	2.517	166.000	118.00	36.000
43	14:34: 0	2.567	196.000	118.00	30.000
44	14:37: 0	2.617	227.000	118.00	31.000
45	14:40: 0	2.667	253.000	118.00	26.000
46	14:43: 0	2.717	272.000	118.00	19.000
47	14:46: 0	2.767	288.000	118.00	16.000
48	14:49: 0	2.817	299.000	118.00	11.000

KCC

RELEASED

COMPANY : RAYDON EXPLORATION INC
 WELL : 1-2
 GAUGE # : 13361
 DATE : 14/ 8/91

CONFIDENTIAL

FIELD : WILSON
 JOB # : 18348
 DEPTH : 4995
 TEST :

OCT 0 7 1992

FROM CONFIDENTIAL

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	14:52: 0	2.867	311.000	118.00	12.000
50	14:55: 0	2.917	321.000	118.00	10.000
51	14:58: 0	2.967	326.000	118.00	5.000
52	15: 1: 0	3.017	330.000	118.00	4.000
53	15: 4: 0	3.067	351.000	118.00	21.000
54	15: 7: 0	3.117	386.000	118.00	35.000
55	15:10: 0	3.167	410.000	118.00	24.000
56	15:13: 0	3.217	427.000	118.00	17.000
57	15:16: 0	3.267	444.000	118.00	17.000
58	15:19: 0	3.317	462.000	118.00	18.000
59	15:22: 0	3.367	479.000	118.00	17.000
60	15:25: 0	3.417	493.000	118.00	14.000
61	15:28: 0	3.467	509.000	118.00	16.000
62	15:31: 0	3.517	525.000	118.00	16.000
63	15:34: 0	3.567	535.000	118.00	10.000
64	15:37: 0	3.617	546.000	118.00	11.000
65	15:40: 0	3.667	555.000	118.00	9.000
66	15:43: 0	3.717	563.000	118.00	8.000
67	15:46: 0	3.767	573.000	118.00	10.000
68	15:49: 0	3.817	581.000	118.00	8.000
69	15:52: 0	3.867	586.000	118.00	5.000
70	15:55: 0	3.917	591.000	118.00	5.000
71	15:58: 0	3.967	597.000	118.00	6.000
72	16: 1: 0	4.017	603.000	118.00	6.000
73	16: 4: 0	4.067	610.000	118.00	7.000
74	16: 7: 0	4.117	616.000	118.00	6.000
75	16:10: 0	4.167	620.000	118.00	4.000
76	16:13: 0	4.217	622.000	118.00	2.000
77	16:16: 0	4.267	625.000	118.00	3.000
78	16:19: 0	4.317	626.000	118.00	1.000

WESTERN TESTING CO. INC.

OPERATOR'S FILE COPY

ORIGINAL

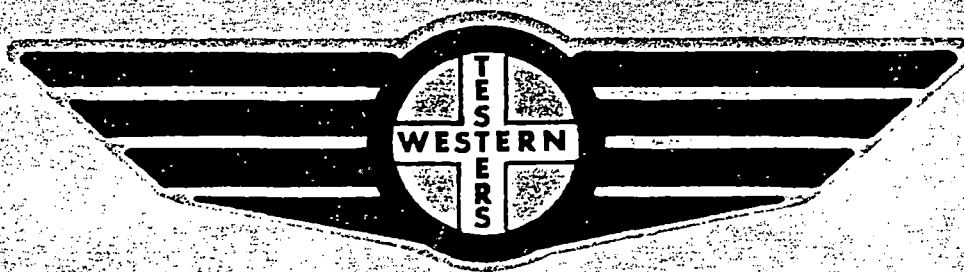
CONFIDENTIAL

FROM CONFIDENTIAL

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY RAYDON EXPLORATION, INC LEASE & WELL NO. WILSON #1-2 SEC. 2 TWP. 32S RGE. 18W TEST NO. 2 DATE 8/15/91

SEP 0 5

CONFIDENTIAL

DST #2
13552
*

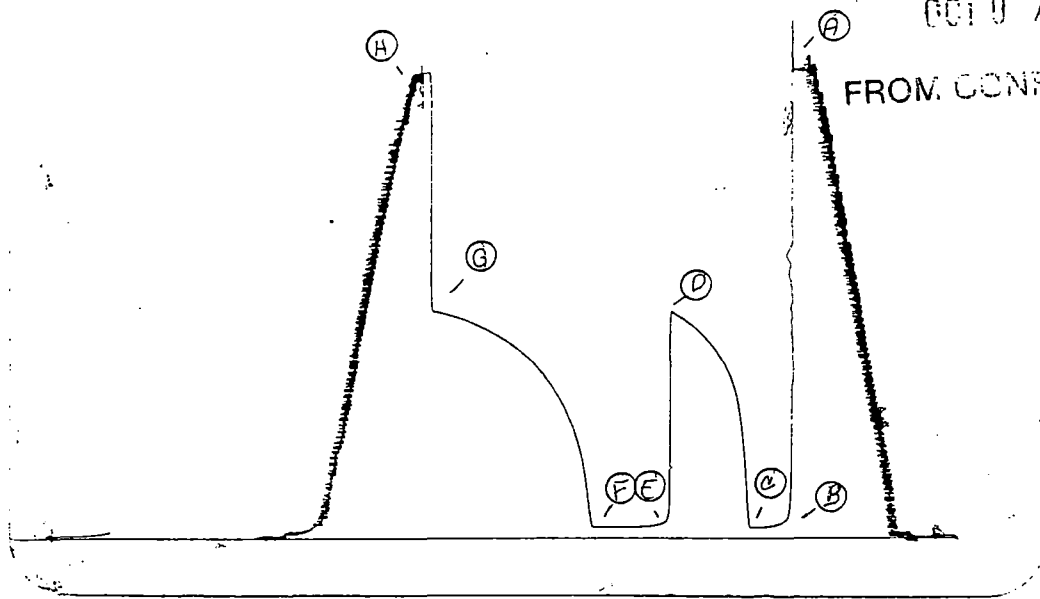
TKT 18349

I

RELEASED

OCT 0 7

FROM CONFIDENTIAL

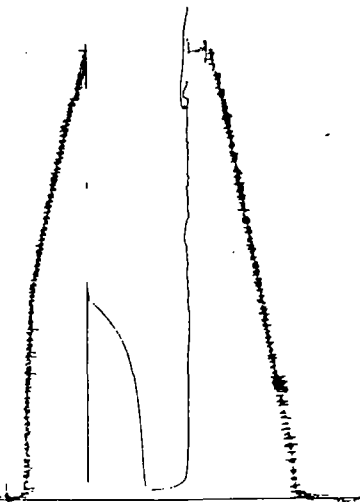


Inside Recorder

DST #2
13361

TKT 18349

0



Outside Recorder

KCC
SEP 0 5
CONFIDENTIAL

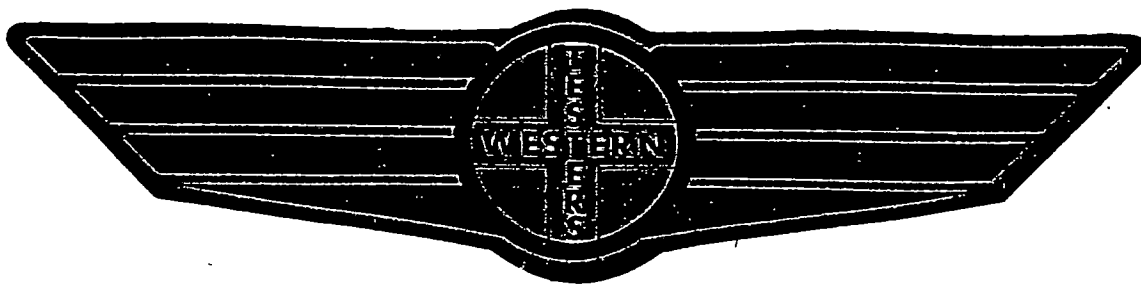
ORIGINAL

RELEASED

OCT 0 7 1992

FROM 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. WILSON #1-2 SEC. 2 TWP. 32S RGE. 18W TEST NO. 2 DATE 8/15/91

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

CONFIDENTIAL

DATE : 8/15/91 TICKET : 18349
CUSTOMER : RAYDON EXPLORATION INC. LEASE : WILSON
WELL : 1-2 TEST: 2 GEOLOGIST : WILLIAMS
ELEVATION : 2098 KB FORMATION : MISSISSIPPI
SECTION : 2 TOWNSHIP : 32S
RANGE : 18W COUNTY : COMANCHE STATE : KANSAS
GAUGE SN# : 13552 RANGE : 4050 CLOCK : 12

INTERVAL FROM : 5129 TO : 5160 TOTAL DEPTH : 5160
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 5124 SIZE : 6.63
PACKER DEPTH : 5129 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

RELEASED

DRILLING CON. : WHITE & ELLIS RIG 8
MUD TYPE : LOW SOLIDS VISCOSITY : 44
WEIGHT : 9.0 WATER LOSS (CC) : 9.7
CHLORIDES (PPM) : 11000
JARS-MAKE : WTC SERIAL NUMBER : 420
DID WELL FLOW ? : NO REVERSED OUT ? : NO

001 0 7 1992

FROM CONFIDENTIAL

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 5100 FT I.D. inch : 3.80
TEST TOOL LENGTH : 29 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 31 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 : GAS TO SURFACE IN F MINUTES-TOO WEAK TO
BLOW COMMENT #3 : GAUGE.
BLOW COMMENT #4 : FINAL FLOW EPRIOD VERY STRONG BLOW.

K00

ORIGINAL

SEP 0 5

RECOVERED : 20 FT OF: MUD
RECOVERED : 60 FT OF: OIL CUT MUD

CONFIDENTIAL

RELEASED

Total Barrels Fluid = 1.12
Total Fluid Prod Rate = 17.95 BFPD
Indicated Oil Rate = 2.69 BOPD
Indicated Wtr Rate = 1.80 BWPD
Corrected Oil Rate = 2.40 BOPD
Corrected Wtr Rate = 1.60 BWPD

OCT 0 7 1992

FROM CONFIDENTIAL

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

SET PACKER(S) : 5:50 PM
WELL TEMPERATURE : 120
INITIAL HYDROSTATIC PRESSURE (A) 2481
INITIAL FLOW PERIOD MIN: 30 (B) 60 PSI TO (C) : 60
INITIAL CLOSED IN PERIOD MIN: 57 (D) 1201
FINAL FLOW PERIOD MIN: 60 (E) 64 PSI TO (F) : 64
FINAL CLOSED IN PERIOD MIN: 114 (G) 1204
FINAL HYDROSTATIC PRESSURE (H) 2465

TIME STARTED OFF BOTTOM : 10:20 PM

KCC

SEP 0 5

CONFIDENTIAL

WESTERN TESTING CO. INC.
WICHITA-KANSAS

RELEASED

SEP 0 7 1992

Pressure Transient Report

FROM CONFIDENTIAL

COMPANY : RAYDON EXPLORATION INC.
RIG : COMANCHE-KANSAS
FIELD : WILSON
WELL : 1-2
DATE : 8/15/91
GAUGE NO : 13552

OPERATIONAL COMMENTS

ORIGINAL

SEP 0 5

COMPANY : RAYDON EXPLORATION INC.
WELL : 1-2
GAUGE # : 13552
DATE : 15/ 8/91

CONFIDENTIAL

FIELD : WILSON
JOB # : 18349
DEPTH : 5160
TEST :

RELEASED

OCT 9 7 1992

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA FROM CONFIDENTIAL Pi-P(i-1)
INITIAL FLOW PERIOD					
2	5:50: 0	0.000	60.000	120.00	0.000
3	5:54:59	0.083	60.000	120.00	0.000
4	6: 0: 0	0.167	60.000	120.00	0.000
5	6: 5: 0	0.250	60.000	120.00	0.000
6	6: 9:59	0.333	60.000	120.00	0.000
7	6:15: 0	0.417	60.000	120.00	0.000
8	6:20: 0	0.500	60.000	120.00	0.000
INITIAL SHUT-IN PERIOD					
9	6:23: 0	0.550	280.000	120.00	220.000
10	6:26: 0	0.600	538.000	120.00	258.000
11	6:29: 0	0.650	696.000	120.00	158.000
12	6:32: 0	0.700	791.000	120.00	95.000
13	6:35: 0	0.750	859.000	120.00	68.000
14	6:38: 0	0.800	907.000	120.00	48.000
15	6:41: 0	0.850	948.000	120.00	41.000
16	6:44: 0	0.900	983.000	120.00	35.000
17	6:47: 0	0.950	1014.000	120.00	31.000
18	6:50: 0	1.000	1041.000	120.00	27.000
19	6:53: 0	1.050	1064.000	120.00	23.000
20	6:56: 0	1.100	1087.000	120.00	23.000
21	6:59: 0	1.150	1109.000	120.00	22.000
22	7: 2: 0	1.200	1127.000	120.00	18.000
23	7: 5: 0	1.250	1143.000	120.00	16.000
24	7: 8: 0	1.300	1160.000	120.00	17.000
25	7:11: 0	1.350	1175.000	120.00	15.000
26	7:14: 0	1.400	1188.000	120.00	13.000
27	7:17: 0	1.450	1201.000	120.00	13.000
FINAL FLOW PERIOD					
28	7:18: 0	1.467	64.000	120.00	-1137.000
29	7:21:59	1.533	64.000	120.00	0.000
30	7:27: 0	1.617	64.000	120.00	0.000
31	7:32: 0	1.700	64.000	120.00	0.000
32	7:36:59	1.783	64.000	120.00	0.000
33	7:42: 0	1.867	64.000	120.00	0.000
34	7:47: 0	1.950	64.000	120.00	0.000
35	7:51:59	2.033	64.000	120.00	0.000
36	7:57: 0	2.117	64.000	120.00	0.000
37	8: 2: 0	2.200	64.000	120.00	0.000
38	8: 6:59	2.283	64.000	120.00	0.000
39	8:12: 0	2.367	64.000	120.00	0.000
40	8:17: 0	2.450	64.000	120.00	0.000
FINAL SHUT-IN PERIOD					
41	8:20: 0	2.500	373.000	120.00	309.000
42	8:23: 0	2.550	474.000	120.00	101.000
43	8:26: 0	2.600	553.000	120.00	79.000
44	8:29: 0	2.650	610.000	120.00	57.000
45	8:32: 0	2.700	660.000	120.00	50.000
46	8:35: 0	2.750	708.000	120.00	48.000
47	8:38: 0	2.800	745.000	120.00	37.000
48	8:41: 0	2.850	780.000	120.00	35.000

SEP 0 3

RELEASED

COMPANY : RAYDON EXPLORATION INC
 WELL : 1-2
 GAUGE # : 13552
 DATE : 15/ 8/91

CONFIDENTIAL

FIELD : WILSON
 JOB # : 18349
 DEPTH : 5160
 TEST :

001 0 7 1992

FROM CONFIDENTIAL

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	8:44: 0	2.900	816.000	120.00	36.000
50	8:47: 0	2.950	846.000	120.00	30.000
51	8:50: 0	3.000	876.000	120.00	30.000
52	8:53: 0	3.050	901.000	120.00	25.000
53	8:56: 0	3.100	927.000	120.00	26.000
54	8:59: 0	3.150	950.000	120.00	23.000
55	9: 2: 0	3.200	968.000	120.00	18.000
56	9: 5: 0	3.250	987.000	120.00	19.000
57	9: 8: 0	3.300	1006.000	120.00	19.000
58	9:11: 0	3.350	1021.000	120.00	15.000
59	9:14: 0	3.400	1037.000	120.00	16.000
60	9:17: 0	3.450	1052.000	120.00	15.000
61	9:20: 0	3.500	1065.000	120.00	13.000
62	9:23: 0	3.550	1077.000	120.00	12.000
63	9:26: 0	3.600	1090.000	120.00	13.000
64	9:29: 0	3.650	1101.000	120.00	11.000
65	9:32: 0	3.700	1112.000	120.00	11.000
66	9:35: 0	3.750	1122.000	120.00	10.000
67	9:38: 0	3.800	1132.000	120.00	10.000
68	9:41: 0	3.850	1142.000	120.00	10.000
69	9:44: 0	3.900	1150.000	120.00	8.000
70	9:47: 0	3.950	1159.000	120.00	9.000
71	9:50: 0	4.000	1168.000	120.00	9.000
72	9:53: 0	4.050	1174.000	120.00	6.000
73	9:56: 0	4.100	1181.000	120.00	7.000
74	9:59: 0	4.150	1188.000	120.00	7.000
75	10: 2: 0	4.200	1193.000	120.00	5.000
76	10: 5: 0	4.250	1199.000	120.00	6.000
77	10: 8: 0	4.300	1203.000	120.00	4.000
78	10:11: 0	4.350	1204.000	120.00	1.000

WESTERN TESTING CO. INC.

OPERATOR'S FILE COPY

SEP 0 5

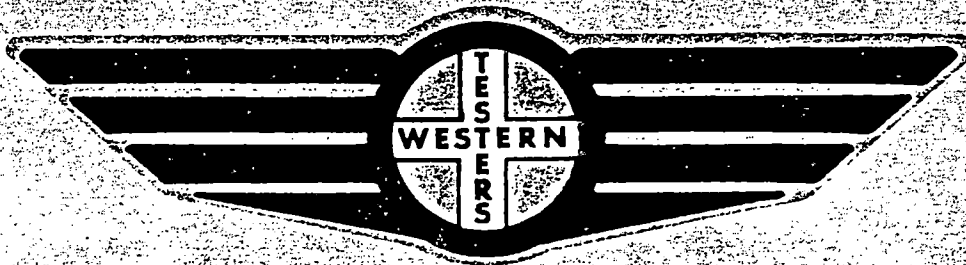
RELEASED

~~CONFIDENTIAL~~

OCT 0 7 1992

FROM CONFIDENTIAL

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY RAYDON EXPLORATION, INC. LEASE & WELL NO. WILSON #1-2 SEC. 2 TWP. 32S RGE. 18W TEST NO. 3 DATE 8/16/91

206
SEP 0 5

CONFIDENTIAL

RELEASED

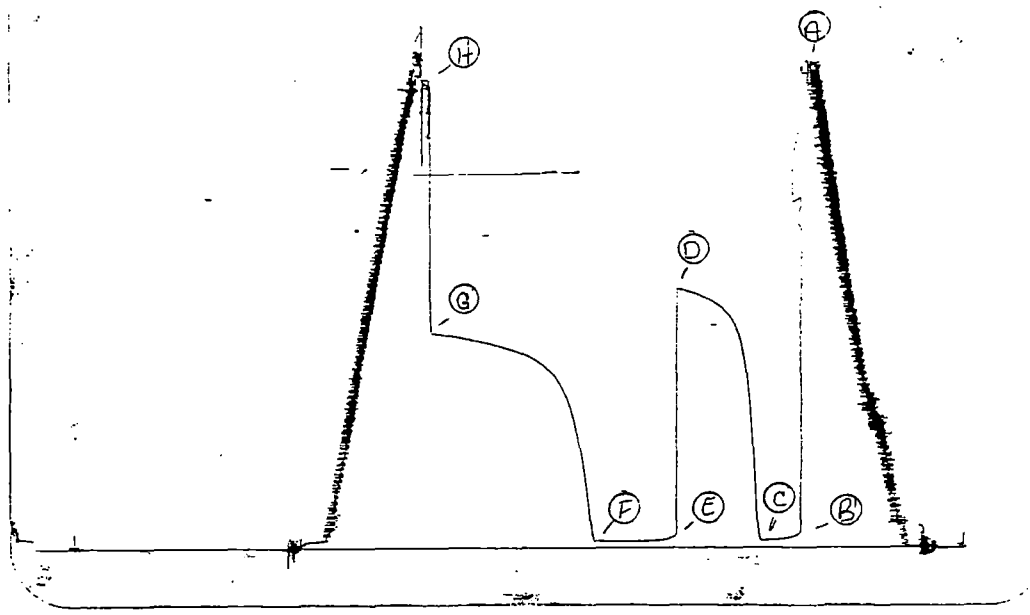
DST #3
13552
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TKT 18350

OCT 0 7 1992

FROM CONFIDENTIAL

F

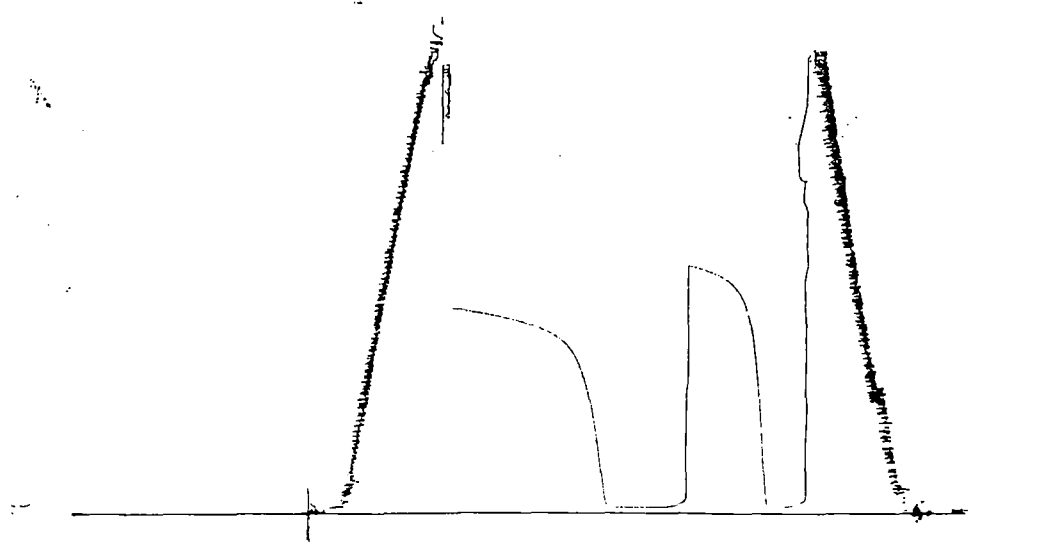


Inside Recorder

DST #3
13361

TKT 18350

D



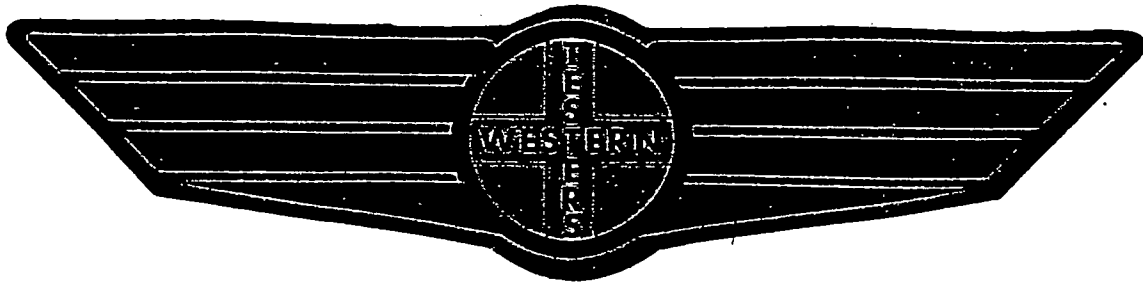
Outside Recorder

1000
SEP 0 5
CONFIDENTIAL

ORIGINAL

RELEASED
OCT 0 7 1992
FROM 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. WILSON #1-2 SEC. 2 TWP. 32S RGE. 18W TEST NO. 3 DATE 8/16/91

SEP 0 5

001 0 7 1992

WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

FROM CONFIDENTIAL

DATE	: 8/16/91	TICKET	: 18350
CUSTOMER	: RAYDON EXPLORATION INC.	LEASE	: WILSON
WELL	: 1-2 TEST: 3	GEOLOGIST	: WILLIAMS
ELEVATION	: 2098 KB	FORMATION	: MISSISSIPPI
SECTION	: 2	TOWNSHIP	: 32S
RANGE	: 18W COUNTY : COMANCHE	STATE	: KANSAS
GAUGE SN#	: 13552 RANGE : 4050	CLOCK	: 12

INTERVAL FROM	: 5162	TO	: 5190	TOTAL DEPTH	: 5190
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 5157	SIZE	: 6.63		
PACKER DEPTH	: 5162	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: WHITE & ELLIS RIG 8		
MUD TYPE	: LOW SOLIDS	VISCOSITY	: 44
WEIGHT	: 9.2	WATER LOSS (CC)	: 9.7
CHLORIDES (PPM)	: 11000		
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	: 5133	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 29	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 28	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 VERY STRONG BLOW-GAS
 BLOW COMMENT #3 : TO SURFACE IN 1 MINUTE.-TOO WEAK TO GAUGE.
 BLOW COMMENT #4 :

1003 ORIGINAL

SEP 0 5

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001 0 7 1992

RECOVERED : 16 FT OF: MUD

Total Barrels Fluid = 0.22
Total Fluid Prod Rate = 3.59 BFPD
Indicated Wtr Rate = 0.36 BFPD

FROM CONFIDENTIAL

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

SET PACKER(S) : 11:15 AM

TIME STARTED OFF BOTTOM : 3:45 PM

WELL TEMPERATURE : 120

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

(A) 2511

INITIAL CLOSED IN PERIOD MIN: 60

(B) 59 PSI TO (C) : 40

FINAL FLOW PERIOD MIN: 60

(D) 1377

FINAL CLOSED IN PERIOD MIN: 120

(E) 38 PSI TO (F) : 38

FINAL HYDROSTATIC PRESSURE

(G) 1145

(H) 2477

SEP 0 5

CONFIDENTIAL

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

RELEASED

OCT 0 7 1992

FROM CONFIDENTIAL

COMPANY : RAYDON EXPLORATION INC.
RIG : COMANCHE-KANSAS
FIELD : WILSON
WELL : 1-2
DATE : 8/16/91
GAUGE NO : 13552

OPERATIONAL COMMENTS

COMPANY : RAYDON EXPLORATION INC.
 WELL : 1-2
 GAUGE # : 13552
 DATE : 16/ 8/91

SEP 0 5
 CONFIDENTIAL
 FIELD : WILSON
 NO. : 18350
 DEPTH : 5190
 TEST :

ORIGINAL
 RELEASED
 OCT 0 7 1992
 FROM CONFIDENTIAL

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	11:15: 0	0.000	59.000	120.00	0.000
3	11:19:59	0.083	59.000	120.00	0.000
4	11:25: 0	0.167	52.000	120.00	-7.000
5	11:30: 0	0.250	46.000	120.00	-6.000
6	11:34:59	0.333	43.000	120.00	-3.000
7	11:40: 0	0.417	42.000	120.00	-1.000
8	11:45: 0	0.500	40.000	120.00	-2.000
INITIAL SHUT-IN PERIOD					
9	11:48: 0	0.550	304.000	120.00	264.000
10	11:51: 0	0.600	596.000	120.00	292.000
11	11:54: 0	0.650	856.000	120.00	260.000
12	11:57: 0	0.700	1013.000	120.00	157.000
13	12: 0: 0	0.750	1112.000	120.00	99.000
14	12: 3: 0	0.800	1172.000	120.00	60.000
15	12: 6: 0	0.850	1211.000	120.00	39.000
16	12: 9: 0	0.900	1241.000	120.00	30.000
17	12:12: 0	0.950	1265.000	120.00	24.000
18	12:15: 0	1.000	1286.000	120.00	21.000
19	12:18: 0	1.050	1300.000	120.00	14.000
20	12:21: 0	1.100	1313.000	120.00	13.000
21	12:24: 0	1.150	1325.000	120.00	12.000
22	12:27: 0	1.200	1336.000	120.00	11.000
23	12:30: 0	1.250	1346.000	120.00	10.000
24	12:33: 0	1.300	1354.000	120.00	8.000
25	12:36: 0	1.350	1360.000	120.00	6.000
26	12:39: 0	1.400	1367.000	120.00	7.000
27	12:42: 0	1.450	1373.000	120.00	6.000
28	12:45: 0	1.500	1377.000	120.00	4.000
FINAL FLOW PERIOD					
29	12:46: 0	1.517	38.000	120.00	-1339.000
30	12:49:59	1.583	38.000	120.00	0.000
31	12:55: 0	1.667	38.000	120.00	0.000
32	13: 0: 0	1.750	38.000	120.00	0.000
33	13: 4:59	1.833	38.000	120.00	0.000
34	13:10: 0	1.917	38.000	120.00	0.000
35	13:15: 0	2.000	38.000	120.00	0.000
36	13:19:59	2.083	38.000	120.00	0.000
37	13:25: 0	2.167	38.000	120.00	0.000
38	13:30: 0	2.250	38.000	120.00	0.000
39	13:34:59	2.333	38.000	120.00	0.000
40	13:40: 0	2.417	38.000	120.00	0.000
41	13:45: 0	2.500	38.000	120.00	0.000
FINAL SHUT-IN PERIOD					
42	13:48: 0	2.550	205.000	120.00	167.000
43	13:51: 0	2.600	345.000	120.00	140.000
44	13:54: 0	2.650	483.000	120.00	138.000
45	13:57: 0	2.700	590.000	120.00	107.000
46	14: 0: 0	2.750	689.000	120.00	99.000
47	14: 3: 0	2.800	759.000	120.00	70.000
48	14: 6: 0	2.850	816.000	120.00	57.000

COMPANY : RAYDON EXPLORATION INC.
 WELL : 1-2
 GAUGE # : 13552
 DATE : 16/ 8/91

FIELD : WILSON
 JOB # : 18350
 DEPTH : 5190
 TEST :

RELEASED
 OCT 9 7 1992
 FROM CONFIDENTIAL

3705

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	14: 9: 0	2.900	859.000	120.00	43.000
50	14:12: 0	2.950	894.000	120.00	35.000
51	14:15: 0	3.000	928.000	120.00	34.000
52	14:18: 0	3.050	949.000	120.00	21.000
53	14:21: 0	3.100	967.000	120.00	18.000
54	14:24: 0	3.150	985.000	120.00	18.000
55	14:27: 0	3.200	1001.000	120.00	16.000
56	14:30: 0	3.250	1012.000	120.00	11.000
57	14:33: 0	3.300	1024.000	120.00	12.000
58	14:36: 0	3.350	1033.000	120.00	9.000
59	14:39: 0	3.400	1042.000	120.00	9.000
60	14:42: 0	3.450	1050.000	120.00	8.000
61	14:45: 0	3.500	1056.000	120.00	6.000
62	14:48: 0	3.550	1064.000	120.00	8.000
63	14:51: 0	3.600	1069.000	120.00	5.000
64	14:54: 0	3.650	1074.000	120.00	5.000
65	14:57: 0	3.700	1080.000	120.00	6.000
66	15: 0: 0	3.750	1088.000	120.00	8.000
67	15: 3: 0	3.800	1093.000	120.00	5.000
68	15: 6: 0	3.850	1097.000	120.00	4.000
69	15: 9: 0	3.900	1102.000	120.00	5.000
70	15:12: 0	3.950	1105.000	120.00	3.000
71	15:15: 0	4.000	1110.000	120.00	5.000
72	15:18: 0	4.050	1115.000	120.00	5.000
73	15:21: 0	4.100	1118.000	120.00	3.000
74	15:24: 0	4.150	1122.000	120.00	4.000
75	15:27: 0	4.200	1126.000	120.00	4.000
76	15:30: 0	4.250	1130.000	120.00	4.000
77	15:33: 0	4.300	1134.000	120.00	4.000
78	15:36: 0	4.350	1137.000	120.00	3.000
79	15:39: 0	4.400	1140.000	120.00	3.000
80	15:42: 0	4.450	1143.000	120.00	3.000
81	15:45: 0	4.500	1145.000	120.00	2.000

WESTERN TESTING CO. INC.