



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1215938
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1215938

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ 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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Rose 2-1
Doc ID	1215938

All Electric Logs Run

Microlog
Spectral Density Neutron
Compensated Resistivity
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	Hartman Oil Co., Inc.
Well Name	Rose 2-1
Doc ID	1215938

Tops

Name	Top	Datum
Anhydrite	2438	+692
Heebner	3937	-807
Toronto	3951	-821
Lansing	3984	-854
B/KC	4335	-1205
Marmaton	4385	-1255
Ft Scott	4526	-1396
Cherokee	4553	-1423
Mississippi	4727	-1597
RTD	4830	-1700



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 144316
Invoice Date: Jul 10, 2014
Page: 1

Bill To:
Hartman Oil Co., Inc. H2 Drilling & H2 Trucking 3545 W. Jones Avenue Garden City, KS 67846

Customer ID	Field Ticket #	Payment Terms	
Hart	63255	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 10, 2014	8/9/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Rose #2-1 <i>86220</i>		
220.00	CEMENT MATERIALS	Class A Common	17.90	3,938.00
413.00	CEMENT MATERIALS	Gel	1.05	433.65
620.00	CEMENT MATERIALS	Chloride	1.10	682.00
237.87	CEMENT SERVICE	Cubic Feet Charge	2.48	589.92
517.00	CEMENT SERVICE	Ton Mileage Charge	2.75	1,421.75
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Kelly Gabel		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		
NEW WELL DRILLED				
<i>A. Mulcher</i> <i>7-22-14</i>				

Subtotal	9,182.57
Sales Tax	411.87
Total Invoice Amount	9,594.44
Payment/Credit Applied	
TOTAL	9,594.44

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 2,387.46

ONLY IF PAID ON OR BEFORE
Aug 9, 2014

ALLIED OIL & GAS SERVICES, LLC 063255

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Oakley, KS

DATE <u>7-10-14</u>	SEC. <u>1</u>	TWP. <u>16</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION <u>9:30AM</u>	JOB START <u>11:30AM</u>	JOB FINISH <u>12:00PM</u>
LEASE <u>Rose</u>	WELL # <u>2-1</u>	LOCATION <u>Pense W. on Col. line N to Curve Wintonig</u>		COUNTY <u>Richita</u>	STATE <u>KS</u>		
OLD OR (NEW) (Circle one)							

CONTRACTOR # H2 #2 OWNER Jame

TYPE OF JOB Surface
 HOLE SIZE 12 1/4 I.D. 354
 CASING SIZE 8 5/8 DEPTH 352
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT

CEMENT AMOUNT ORDERED 220 SKS COM 382 CC
20% gel
 COMMON 220 SKS @ 17.50 = 3938.00
 POZMIX @
 GEL 413# @ 1.05 = 433.65
 CHLORIDE 620# @ 1.10 = 682.00
 ASC @
 @
 @
 @
 @
 @
 @

EQUIPMENT
 PUMP TRUCK, CEMENTER Kelly Gabel McDermid Tools @ 3013.00
 # 423-288 HELPER Wayne M. Gahby @
 BULK TRUCK (1315.99/26) @
 # 818-287 DRIVER John P (GWS) @
 BULK TRUCK @
 # DRIVER @

REMARKS:
rigged up
mixed cement
displaced with water
shot in
 Thank You
 Kelly Gabel

HANDLING 237.87 C&H @ 2.45 = 582.93
 MILEAGE 10.3470 X 50 X 2.15 = 1112.15
 TOTAL

SERVICE
 DEPTH OF JOB 352
 PUMP TRUCK CHARGE 1512.35
 EXTRA FOOTAGE @
 MILEAGE MILV 50 @ 4.72 = 2360.00
 MANIFOLD @
MILV 50 @ 4.50 = 225.00
 @
(1073.52/268) TOTAL 4128.92

CHARGE TO: Harman Oil
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT
 @
 @
 @
 @
 @
 @
 TOTAL

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
 TOTAL CHARGES 9182.57
 DISCOUNT 2,387.46 (268) IF PAID IN 30 DAYS
6,795.10 Net

PRINTED NAME
 SIGNATURE Kelly Gabel



144316



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 144854
Invoice Date: Aug 1, 2014
Page: 1

Bill To:
Hartman Oil Co., Inc. H2 Drilling & H2 Trucking 3545 W. Jones Avenue Garden City, KS 67846

Customer ID	Field Ticket #	Payment Terms	
Hart	63272	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-05	Oakley	Aug 1, 2014	8/31/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Rose #2-1 <i>86220</i>		
75.00	CEMENT MATERIALS	Class A Common	17.90	1,342.50
1.00	CEMENT SERVICE	Cubic Feet Charge	225.00	225.00
258.50	CEMENT SERVICE	Ton Mileage Charge	2.75	710.88
1.00	CEMENT SERVICE	Squeeze	2,810.84	2,810.84
55.00	CEMENT SERVICE	Pump Truck Mileage	7.70	423.50
1.00	CEMENT SERVICE	Squeeze Manifold Rental	300.00	300.00
55.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	242.00
1.00	CEMENT SUPERVISOR	Kelly Gabel		
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	OPERATOR ASSISTANT	George Grant		

**NEW WELL
COMPLETION**

A. V. Muletter
8-19-14

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,574.22

ONLY IF PAID ON OR BEFORE
Aug 31, 2014

Subtotal	6,054.72
Sales Tax	109.41
Total Invoice Amount	6,164.13
Payment/Credit Applied	
TOTAL	6,164.13

ALLIED OIL & GAS SERVICES, LLC 063272

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Oakley, KS

144854

DATE <u>8-1-14</u>	SEC <u>1</u>	TWP <u>16</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION <u>8:30 AM</u>	JOB START <u>12:00 PM</u>	JOB FINISH <u>12:30 PM</u>
LEASE <u>Rose</u>		WELL # <u>24</u>		LOCATION <u>Pence Wtr Co, line 3N</u>		COUNTY <u>Wichita</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				<u>1/4 W s into</u>			

CONTRACTOR <u>Plains</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Squeeze</u>	
HOLE SIZE _____ T.D. _____	CEMENT _____
CASING SIZE _____ DEPTH _____	AMOUNT ORDERED <u>100 SKS COM</u>
TUBING SIZE <u>2 7/8</u> DEPTH <u>4101</u>	
DRILL PIPE _____ DEPTH _____	
TOOL <u>Packet</u> DEPTH <u>4102</u>	
PRES. MAX _____ MINIMUM _____	COMMON <u>75 SKS @ 17.00 = 1275.00</u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX _____ @ _____
CEMENT LEFT IN CSG. _____	GEL _____ @ _____
PERFS. <u>4 206-10, 4216-18</u>	CHLORIDE _____ @ _____
DISPLACEMENT <u>26.28</u>	ASC _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER <u>Kelly Cohe</u>
<u>431</u> HELPER <u>Paul Beaver</u>
BULK TRUCK
<u>814310</u> DRIVER <u>George Grant</u>
BULK TRUCK
_____ DRIVER _____

MATERIAL TOTAL	1790.00
<u>(963.90 / 26%)</u>	
HANDLING <u>248</u>	<u>225.00</u>
MILEAGE <u>4.7 tank 55x 275</u>	<u>300.00</u>
TOTAL	2108.7

REMARKS:
Rigged up, pressured backside to 400#, tank injection rate of 2 gal/min @ 400#, mixed 75 SKS COM, displaced past packer, stage cement squeezed to 1500#
Thank You Kelly crew

SERVICE

DEPTH OF JOB _____	<u>4101</u>
PUMP TRUCK CHARGE _____	<u>2317.84</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>M:HV 55 @ 7.10 = 423.50</u>	
MANIFOLD <u>Squeeze @ 300.00</u>	
<u>M:HV 55 @ 4.90 = 2412.00</u>	
TOTAL	4712.21

CHARGE TO: Hartman Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME S.T. Mitchell
 SIGNATURE S.T. Mitchell

PLUG & FLOAT EQUIPMENT

_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
TOTAL _____

SALES TAX (If Any) _____
 TOTAL CHARGES 6502.21
 DISCOUNT 1,690.57 (26%) IF PAID IN 30 DAYS
4,811.63 Net.

DIAMOND TESTING

General Information Report

General Information

Company Name HARTMAN OIL COMPANY, INC.
Contact STAN MITCHELL
Well Name ROSE #2-1
Unique Well ID DST #1, TORONTO, 3941-3980
Surface Location SEC. 1-16S-35W, WICHITA CO. KS.
Field AMERICAN BEAUTY
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, TORONTO, 3941-3980
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator HARTMAN OIL COMPANY, INC.
Report Date 2014/07/15
Prepared By TIM VENTERS
Qualified By KITT NOAH

Start Test Date 2014/07/14
Final Test Date 2014/07/15

Start Test Time 22:13:00
Final Test Time 06:47:00

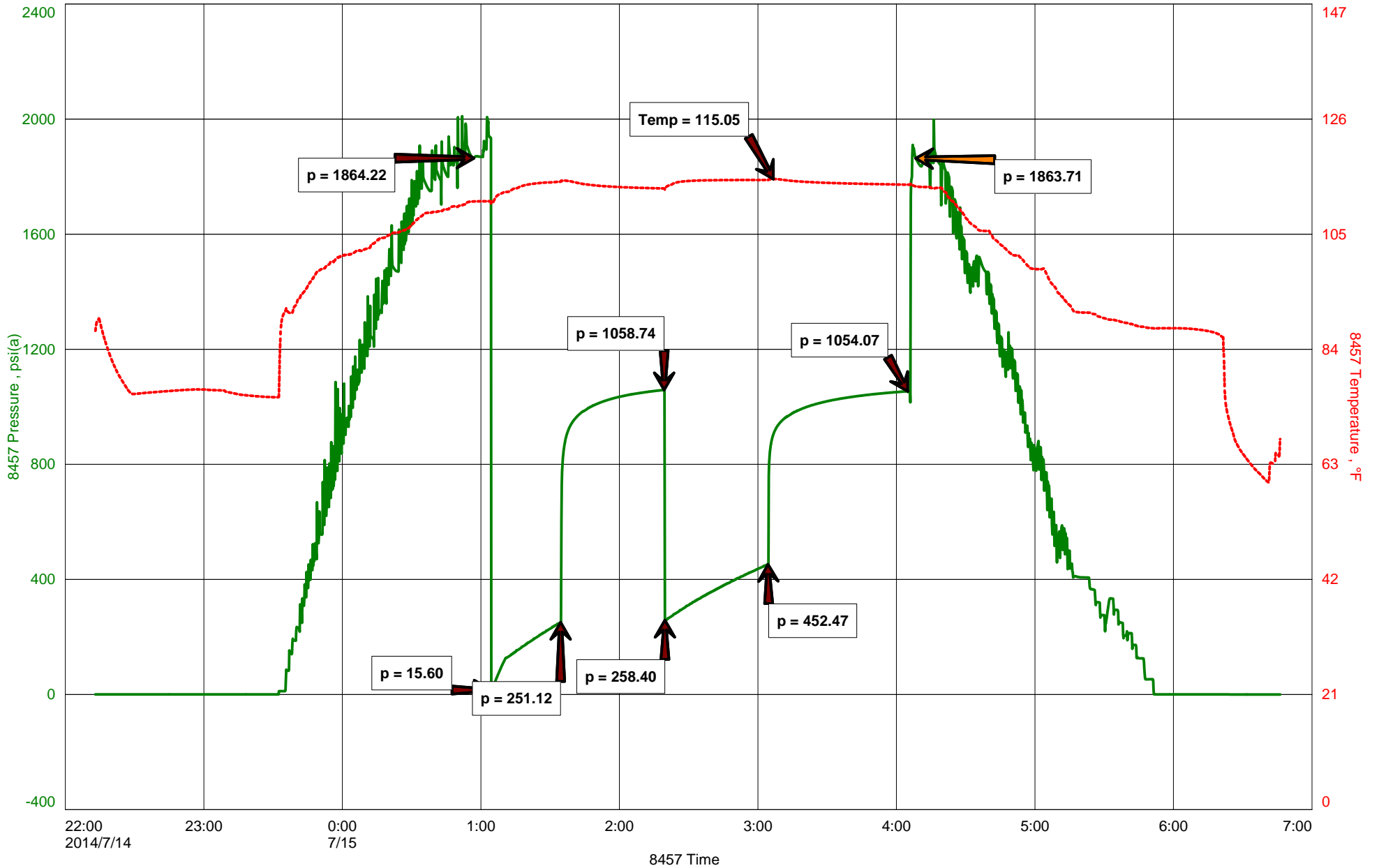
Test Recovery:

RECOVERED: 235' SO,MCW, 1% OIL, 69% WATER, 30% MUD
690' SMCW, 96% WATER, 4% MUD
65' HMCW, 54% WATER, 46% MUD
990' TOTAL FLUID

TOOL SAMPLE: TRACE OIL, 97% WATER, 3% MUD

CHLORIDES: 44,000 ppm
PH: 6.5
RW: .24 @ 65 deg.

ROSE #2-1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ROSE #2-1

TIME ON: 22:13 7-14-14
TIME OFF: 06:47 7-15-14

Company HARTMAN OIL COMPANY, INC. Lease & Well No. ROSE #2-1
Contractor H2 DRILLING COMPANY, RIG #2 Charge to HARTMAN OIL COMPANY, INC.
Elevation 3130 KB Formation TORONTO Effective Pay _____ Ft. Ticket No. T367
Date 7-15-14 Sec. 1 Twp. 16 S Range 35 W County WICHITA State KANSAS
Test Approved By KITT NOAH Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 3941 ft. to 3980 ft. Total Depth 3980 ft.
Packer Depth 3936 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3941 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3922 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3977 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 251 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,500 P.P.M. Drill Pipe Length 3657 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 39 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 8 MIN. (NO BB)
2nd Open: VERY WEAK SURFACE BLOW, BUILDING, REACHING BOB 9 1/2 MIN. (NO BB)

Recovered 235 ft. of SO,MCW, 1% OIL, 69% WATER, 30% MUD
Recovered 690 ft. of SMCW, 96% WATER, 4% MUD
Recovered 65 ft. of HMCW, 54% WATER, 46% MUD
Recovered 990 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES: 44,000 ppm	Price Job
Recovered _____ ft. of _____	PH: 6.5	Other Charges
Remarks: _____	RW: .24 @ 65 deg.	Insurance
TOOL SAMPLE: TRACE OIL, 97% WATER, 3% MUD		Total

Time Set Packer(s) 1:04 AM A.M. P.M. Time Started Off Bottom 4:04 AM A.M. P.M. Maximum Temperature 115 deg.

Initial Hydrostatic Pressure..... (A) 1864 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 251 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1059 P.S.I.
Final Flow Period..... Minutes 45 (E) 258 P.S.I. to (F) 452 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1054 P.S.I.
Final Hydrostatic Pressure..... (H) 1864 P.S.I.

Diamond Testing 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, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING

General Information Report

General Information

Company Name HARTMAN OIL COMPANY, INC.
Contact STAN MITCHELL
Well Name ROSE #2-1
Unique Well ID DST #2, LKC "C", 4012-4034
Surface Location SEC 1-16S-35W WICHITA CO. KS.
Field AMERICAN BEAUTY
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, LKC "C", 4012-4034
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator HARTMAN OIL COMPANY, INC.
Report Date 2014/07/16
Prepared By TIM VENTERS
Qualified By KITT NOAH

Start Test Date 2014/07/15
Final Test Date 2014/07/16

Start Test Time 17:39:00
Final Test Time 02:30:00

Test Recovery:

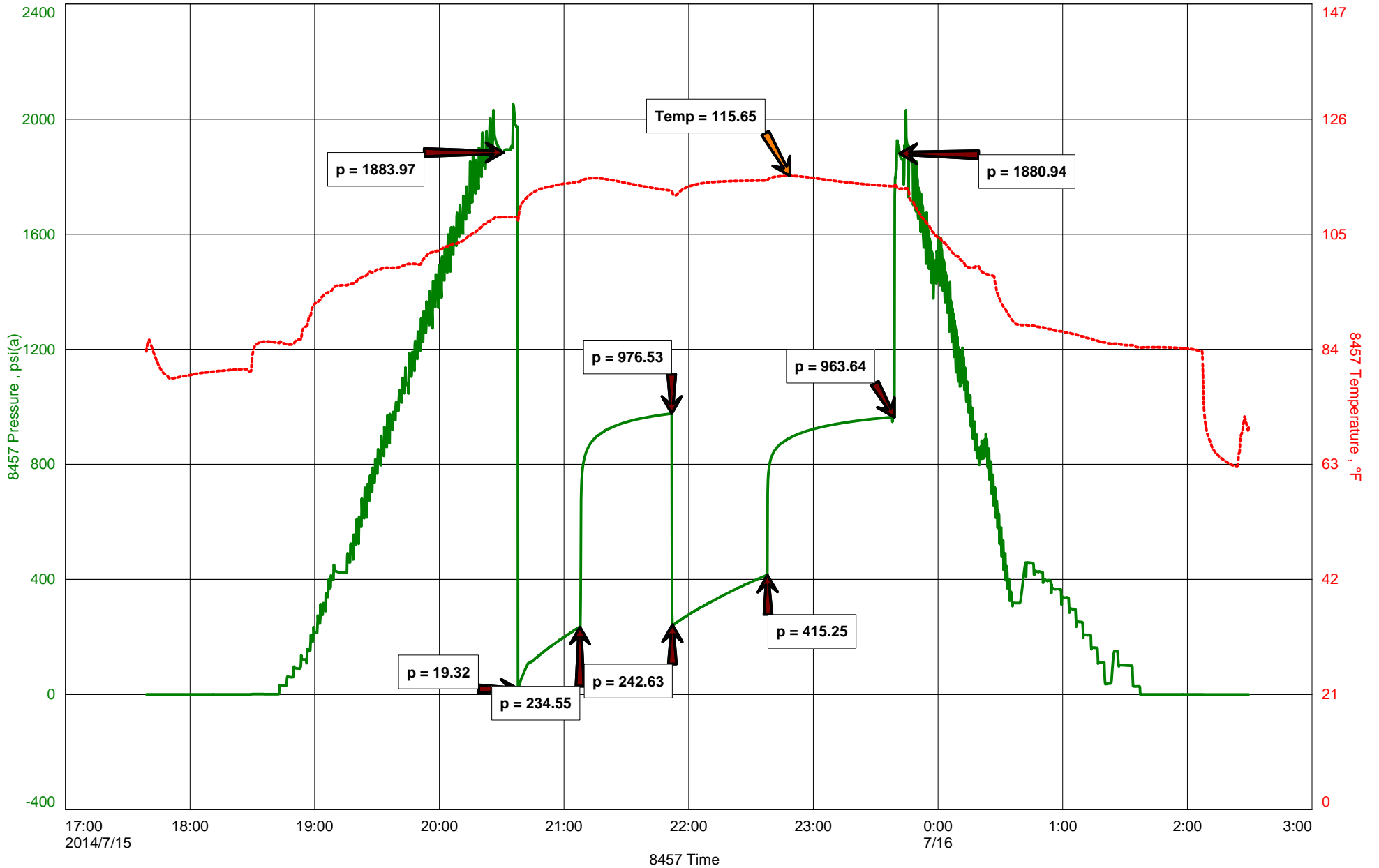
RECOVERED: 255' CLEAN OIL, 100% OIL, GRAVITY: 27
440' GO, 3% GAS, 97% OIL
190' G,VSMCO, 3% GAS, 93% OIL, 3% MUD
125' G,HMCO, 3% GAS, 55% OIL, 42% MUD
1010' TOTAL FLUID

TOOL SAMPLE: 58% OIL, 42% MUD

HARTMAN OIL COMPANY, INC.
DST #2, LKC "C", 4012-4034
Start Test Date: 2014/07/15
Final Test Date: 2014/07/16

ROSE #2-1
Formation: DST #2, LKC "C", 4012-4034
Pool: AMERICAN BEAUTY
Job Number: T368

ROSE #2-1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ROSE #2-1

TIME ON: 17:39 7-15-14
TIME OFF: 02:10 67-16-14

Company HARTMAN OIL COMPANY, INC. Lease & Well No. ROSE #2-1
Contractor H2 DRILLING COMPANY, RIG #2 Charge to HARTMAN OIL COMPANY, INC.
Elevation 3130 KB Formation LKC "C" Effective Pay _____ Ft. Ticket No. T368
Date 7-15-14 Sec. 1 Twp. 16 S Range 35 W County WICHITA State KANSAS
Test Approved By KITT NOAH Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 4012 ft. to 4034 ft. Total Depth 4034 ft.
Packer Depth 4007 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4012 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3993 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4031 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length 251 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3728 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 22 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 6 1/2 MIN. (1/4" BB)
2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 8 1/2 MIN. (NO BB)

Recovered 255 ft. of CO, 100% OIL, GRAVITY: 27
Recovered 440 ft. of GO, 3% GAS, 97% OIL,
Recovered 190 ft. of G,VSMCO, 3% GAS, 93% OIL, 3% MUD
Recovered 125 ft. of G,HMCO, 3% GAS, 55% OIL, 42% MUD
Recovered 1010 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 58% OIL, 42% MUD	Total

Time Set Packer(s) 8:37 PM A.M. P.M. Time Started Off Bottom 11:37 PM A.M. P.M. Maximum Temperature 116 deg.

Initial Hydrostatic Pressure..... (A) 1884 P.S.I.
Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 235 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 977 P.S.I.
Final Flow Period..... Minutes 45 (E) 243 P.S.I. to (F) 415 P.S.I.
Final Closed In Period..... Minutes 60 (G) 964 P.S.I.
Final Hydrostatic Pressure..... (H) 1881 P.S.I.

Diamond Testing 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, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING

General Information Report

General Information

Company Name	HARTMAN OIL COMPANY, INC.	Representative	TIM VENTERS
Contact	STAN MITCHELL	Well Operator	HARTMAN OIL COMPANY, INC.
Well Name	ROSE #2-1	Report Date	2014/07/16
Unique Well ID	DST #3, LKC "E-F", 4061-4098	Prepared By	TIM VENTERS
Surface Location	SEC 1-16S-35W, WICHITA CO. KS.	Qualified By	KITT NOAH
Field	AMERICAN BEAUTY		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #3, LKC "E-F", 4061-4098		
Well Fluid Type	01 Oil		
Start Test Date	2014/07/16	Start Test Time	11:45:00
Final Test Date	2014/07/16	Final Test Time	21:00:00

Test Recovery:

RECOVERED: 5' VSW&MCO, 95% OIL, 3% WATER, 2% MUD, GRAVITY: 27
90' HO&MCW, 29% OIL, 45% WATER, 26% MUD
65' WCM W/TR. O, TRACE OIL, 30% WATER, 70% MUD
125' MCW, 81% WATER, 19% MUD
285' TOTAL FLUID

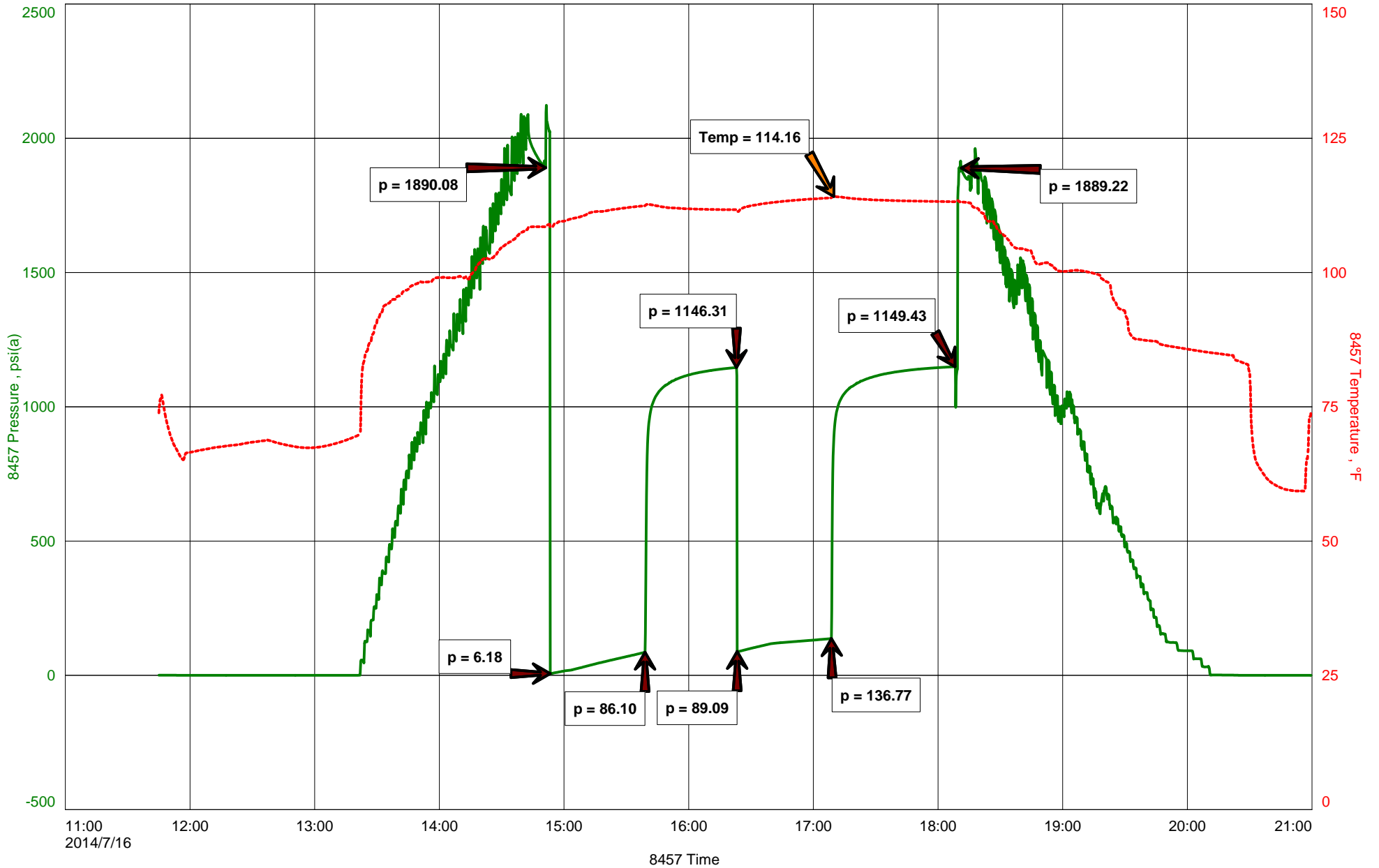
TOOL SAMPLE: 26% OIL, 43% WATER, 31% MUD

CHLORIDES: 24,000 ppm
PH: 7.0
RW: .49 @ 76 deg.

HARTMAN OIL COMPANY, INC.
DST #3, LKC "E-F", 4061-4098
Start Test Date: 2014/07/16
Final Test Date: 2014/07/16

ROSE #2-1
Formation: DST #3, LKC "E-F", 4061-4098
Pool: AMERICAN BEAUTY
Job Number: T369

ROSE #2-1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ROSE #2-1DST3

TIME ON: 11:45
TIME OFF: 21:00

Company HARTMAN OIL COMPANY, INC. Lease & Well No. ROSE #2-1
Contractor H2 DRILLING COMPANY, RIG #2 Charge to HARTMAN OIL COMPANY, INC.
Elevation 3130 KB Formation LKC "E-F" Effective Pay _____ Ft. Ticket No. T369
Date 7-16-14 Sec. 1 Twp. 16 S Range 35 W County WICHITA State KANSAS
Test Approved By KITT NOAH Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 4061 ft. to 4098 ft. Total Depth 4098 ft.
Packer Depth 4056 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4061 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4042 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4095 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 Drill Collar Length 251 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,000 P.P.M. Drill Pipe Length 3777 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 37 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 6 INCHES. (NO BB)
2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 5 INCHES. (NO BB)

Recovered 5 ft. of VSW&MCO, 95% OIL, 3% WATER, 2% MUD, GRAVITY: 27
Recovered 90 ft. of HO&MCW, 29% OIL, 45% WATER, 26% MUD
Recovered 65 ft. of WCM W/TR. O, TRACE OIL, 30% WATER, 70% MUD
Recovered 125 ft. of MCW, 81% WATER, 19% MUD

Recovered <u>285</u> ft. of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

Time Set Packer(s) 2:53 PM A.M. P.M. Time Started Off Bottom 6:08 PM A.M. P.M. Maximum Temperature 114 deg.

Initial Hydrostatic Pressure..... (A) 1890 P.S.I.
Initial Flow Period..... Minutes 45 (B) 6 P.S.I. to (C) 86 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1146 P.S.I.
Final Flow Period..... Minutes 45 (E) 89 P.S.I. to (F) 137 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1149 P.S.I.
Final Hydrostatic Pressure..... (H) 1889 P.S.I.

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DIAMOND TESTING

General Information Report

General Information

Company Name HARTMAN OIL COMPANY, INC.
Contact STAN MITCHELL
Well Name ROSE #2-1
Unique Well ID DST #4, LKC "I", 4191-4225
Surface Location SEC 1-16S-35W, WICHITA CO. KS.
Field AMERICAN BEAUTY
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #4, LKC "I", 4191-4225
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator HARTMAN OIL COMPANY, INC.
Report Date 2014/07/17
Prepared By TIM VENTERS
Qualified By KITT NOAH

Start Test Date 2014/07/17
Final Test Date 2014/07/17

Start Test Time 12:31:00
Final Test Time 21:00:00

Test Recovery:

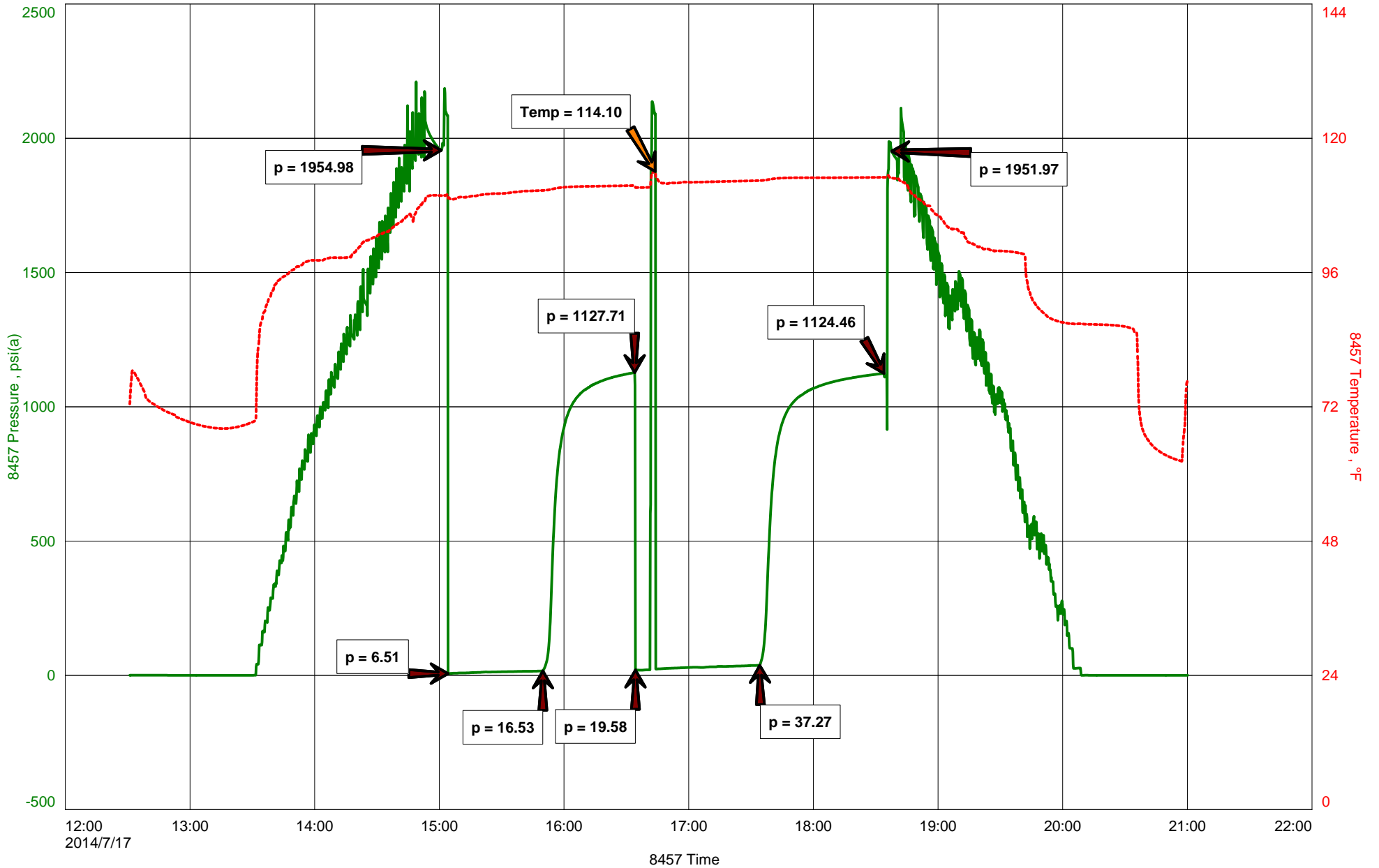
RECOVERED: 45' CLEAN OIL, 100% OIL, GRAVITY: 23
20' OCM, 21% OIL, 79% MUD
65' TOTAL FLUID

TOOL SAMPLE: 11% OIL, 89% MUD

HARTMAN OIL COMPANY, INC.
DST #4, LKC "I", 4191-4225
Start Test Date: 2014/07/17
Final Test Date: 2014/07/17

ROSE #2-1
Formation: DST #4, LKC "I", 4191-4225
Pool: AMERICAN BEAUTY
Job Number: T370

ROSE #2-1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ROSE #2-1DST4

TIME ON: 12:31
TIME OFF: 21:00

Company HARTMAN OIL COMPANY, INC. Lease & Well No. ROSE #2-1
Contractor H2 DRILLING COMPANY, RIG #2 Charge to HARTMAN OIL COMPANY, INC.
Elevation 3130 KB Formation LKC "I" Effective Pay _____ Ft. Ticket No. T370
Date 7-17-14 Sec. 1 Twp. _____ 16 S Range _____ 35 W County WICHITA State KANSAS
Test Approved By KITT NOAH Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 4191 ft. to 4225 ft. Total Depth 4225 ft.
Packer Depth 4186 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4191 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4172 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4222 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 251 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,700 P.P.M. Drill Pipe Length 3907 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 34 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 1 INCH. (NO BB)
2nd Open: NO BLOW AT START OF PERIOD, WEAK SURFACE BLOW AFTER FLUSH (8 MIN.) (NO BB)

Recovered 45 ft. of CLEAN OIL, 100% OIL, GRAVITY: 23
Recovered 20 ft. of OCM, 21% OIL, 79% MUD
Recovered 65 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>WE FLUSHED TOOL 8 MIN. INTO PERIOD AND GOT A WEAK SURFACE BLOW.</u>	Total

TOOL SAMPLE: 11% OIL, 89% MUD

Time Set Packer(s) 3:03 PM A.M. P.M. Time Started Off Bottom 6:33 PM A.M. P.M. Maximum Temperature 114 deg.
Initial Hydrostatic Pressure..... (A) 1955 P.S.I.
Initial Flow Period..... Minutes 45 (B) 7 P.S.I. to (C) 17 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1128 P.S.I.
Final Flow Period..... Minutes 60 (E) 21 P.S.I. to (F) 37 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1124 P.S.I.
Final Hydrostatic Pressure..... (H) 1952 P.S.I.

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DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ROSE2-1DST5

TIME ON: 1710 (7/19)
TIME OFF: 0150 (7/20)

Company HARTMAN OIL CO., INC. Lease & Well No. ROSE #2-1
Contractor H2 Drilling LLC RIG2 Charge to HARTMAN OIL CO., INC.
Elevation 3130 KB Formation JOHN ZN Effective Pay _____ Ft. Ticket No. M677
Date 7/19/2014 Sec. 1 Twp. 16 S Range 35 W County WICHITA State KANSAS
Test Approved By KITT NOAH Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 4604 ft. to 4630 ft. Total Depth 4630 ft.

Packer Depth 4625 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 4630 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4612 ft. Recorder Number 0063 Cap. 6,000 P.S.I.

Bottom Recorder Depth (Outside) 4632 ft. Recorder Number E1150 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 50 Drill Collar Length 252 ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 7,200 P.P.M. Drill Pipe Length 4325 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 3 Test Tool Length 27 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 26 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: NO BLOW, FLUSH TOOL, NO BLOW (NO BB)

2nd Open: NO BLOW (NO BB)

Recovered ~1 ft. of MUD 100% MUD

Recovered ~1 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: MUD 100% MUD

Time Set Packer(s) 8:15 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 10:45 P.M. ^{A.M.}/_{P.M.} Maximum Temperature 118°F

Initial Hydrostatic Pressure..... (A) 2140 P.S.I.

Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 177 P.S.I.

Final Flow Period..... Minutes 30 (E) 10 P.S.I. to (F) 11 P.S.I.

Final Closed In Period..... Minutes 45 (G) 81 P.S.I.

Final Hydrostatic Pressure..... (H) 2103 P.S.I.

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DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	HARTMAN OIL CO.,INC.	Job Number	M677
Well Name	ROSE #2-1	Representative	MIKE COCHRAN
Unique Well ID	ROSE #2-1 DST#5	Well Operator	HARTMAN OIL CO.,INC.
Surface Location	SEC.1-16S-35W WICHITA CO.KS.	Report Date	2014/07/19
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KITT NOAH
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	ROSE #2-1 DST#5		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2014/07/19	Start Test Time	17:10:00
Final Test Date	2014/07/20	Final Test Time	01:50:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
~1' MUD 100% MUD
~1' TOTAL FLUID

TOOL SAMPLE: 100% MUD

HARTMAN OIL CO.,INC.
ROSE #2-1 DST#5
Start Test Date: 2014/07/19
Final Test Date: 2014/07/20

ROSE #2-1
Formation: ROSE #2-1 DST#5
Pool: WILDCAT
Job Number: M677

ROSE #2-1

