



KANSAS CORPORATION COMMISSION 1075480  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039  
Name: L. D. Drilling, Inc.  
Address 1: 7 SW 26TH AVE  
Address 2: \_\_\_\_\_  
City: GREAT BEND State: KS Zip: 67530 + 6525  
Contact Person: L. D. DAVIS  
Phone: ( 620 ) 793-3051  
CONTRACTOR: License # 33323  
Name: Petromark Drilling, LLC  
Wellsite Geologist: KIM SHOEMAKER  
Purchaser: M V PURCHASING

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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
12/31/2011    01/06/2012    01/12/2012  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-009-25645-00-00  
Spot Description: \_\_\_\_\_  
NE SW SW SE Sec. 24 Twp. 20 S. R. 15  East  West  
355 Feet from  North /  South Line of Section  
2235 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Barton  
Lease Name: C J & M, INC. Well #: 1-24  
Field Name: UNRUH  
Producing Formation: ARBUCKLE  
Elevation: Ground: 1918 Kelly Bushing: 1920  
Total Depth: 3700 Plug Back Total Depth: 3653  
Amount of Surface Pipe Set and Cemented at: 899 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: 3000 ppm Fluid volume: 550 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite:  
Operator Name: L. D. DRILLING, INC.  
Lease Name: MERMIS License #: 6039  
Quarter SE Sec. 24 Twp. 20 S. R. 15  East  West  
County: BARTON Permit #: D21526

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

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanne Garbol Date: 03/05/2012



1075480

Operator Name: L. D. Drilling, Inc. Lease Name: C J & M, INC. Well #: 1-24  
 Sec. 24 Twp. 20 S. R. 15  East  West County: Barton

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Attached</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Attached Attached Attached
---	--

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

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
4	3574 - 3580'		

TUBING RECORD: Size: <u>2.875</u> Set At: <u>3653</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>01/12/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	--	--

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	C J & M, INC. 1-24
Doc ID	1075480

All Electric Logs Run

DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG
SONIC CEMENT BOND LOG

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	C J & M, INC. 1-24
Doc ID	1075480

Tops

ANHYDRITE	854	+1066
BASE ANHYDRITE	880	+1040
TOPEKA	2853	-933
HEEBNER	3193	-1273
BROWN LIME	3289	-1369
LANSING	3297	-1378
BASE KANSAS CITY	3489	-1569
ARBUCKLE	3552	-1632

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	C J & M, INC. 1-24
Doc ID	1075480

Casing

SURFACE	12.25	8.625	24	899	A-CONN	200	
SURFACE CONT	12.25	8.625	24	899	COMMON	200	2% Gel, 3%CC, 1/4#CF
PRODUC TION	7.875	5.5	14	3683	COMMON	175	
RATHOLE	7.875	5.5	14	3683	60/40 POZMIX	30	



**BASIC**<sup>™</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET

1718 04439 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <u>1-1-12</u> DISTRICT <u>Kansas</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <u>L.O. Drilling Inc.</u>		LEASE <u>CJ+M INC #1-24</u> WELL NO.							
ADDRESS		COUNTY <u>Barton 20-20-15</u> STATE <u>KANS.</u>							
CITY STATE		SERVICE CREW <u>A.H.C.U. Mike McGraw</u>							
AUTHORIZED BY		JOB TYPE: <u>8 5/8 surface</u> <u>CONV</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>28443 P.U.</u>	<u>1 1/2</u>					<u>1-1-12</u>	<u>1-1-12</u>	<u>AM</u>	<u>11:00</u>
<u>27463 P+</u>	<u>1 1/2</u>					ARRIVED AT JOB	<u>1-1-12</u>	<u>AM</u>	<u>1:30</u>
<u>19826 19860</u>	<u>1 1/2</u>					START OPERATION	<u>1-1-12</u>	<u>AM</u>	<u>5:30</u>
						FINISH OPERATION	<u>1-1-12</u>	<u>AM</u>	<u>7:00</u>
						RELEASED	<u>1-1-12</u>	<u>AM</u>	<u>7:30</u>
						MILES FROM STATION TO WELL			<u>5.5 m. / e</u>

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 Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP101	A-Cow Blend Cement	SK	200		\$ 3600 00
CP102	Cement	SK	200		\$ 3200 00
CC102	Cell Flake	lb	100		\$ 370 00
CC109	Calcium Chloride	lb	940		\$ 947 00
CF105	Top Rubber cement Plug	EA	1		\$ 225 00
F100	1/2 mile charge Pickup	Mi	5.5		\$ 233 75
F101	Heavy Equip Mileage	Mi	110		\$ 770 00
F113	Bulk Delivery charge	Ton	1034		\$ 1654 40
CF201	Depth Charge 581-1000	4-b	1		\$ 1200 00
CF240	Bleeding mixing source chg	SK	400		\$ 560 00
CF304	Plu container Utilization chg	Job	1		\$ 250 00
50123	Service Supervisor first 8 hrs 8.00 Loc	EA	1		\$ 175 00

SUB TOTAL DLS \$10,447.87

CHEMICAL / ACID DATA:		

SERVICE & EQUIPMENT	% TAX ON \$	
MATERIALS	% TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <b>L.O. Drilling Inc.</b>	Lease No.	Date <b>1-1-12</b>
Lease <b>C.J. + m INC</b>	Well # <b>1-24</b>	
Field Order # <b>04439A</b>	Station <b>Pratt KS</b>	Casing <b>8 5/8"</b>
Type Job <b>8 5/8" Surface</b>	Formation <b>TO 901</b>	Depth <b>899'</b>
		County <b>Barton</b>
		State <b>KS.</b>
		Legal Description <b>24-20-15</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>8 5/8"</b>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<b>8 5/8"</b>		<b>200</b>		<b>5Ks A-Con Blend</b>	<b>12 23</b>	<b>12 23</b>	<b>5 Min.</b>	
Depth <b>899'</b>	Depth	From	To	Pre Pad	Mix		<b>1/4" cell</b>	
<b>899'</b>			<b>200</b>	<b>5Ks Common</b>	<b>3% CC</b>		<b>1/4" cell</b>	
Volume <b>56 bbl</b>	Volume	From	To	Pad			<b>10 Min.</b>	
<b>56 bbl</b>							<b>15 Min.</b>	
Max Press <b>500</b>	Max Press	From	To	Frac	Avg		<b>Annulus Pressure</b>	
<b>500</b>								
Well Connection <b>P.C.</b>	Annulus Vol.	From	To		HHP Used		<b>Annulus Pressure</b>	
<b>P.C.</b>								
Plug Depth <b>877</b>	Packer Depth	From	To	Flush	Gas Volume		<b>Total Load</b>	
<b>877</b>				<b>DISP H<sup>2</sup>O Fresh</b>				

Customer Representative <b>Jim T.P.</b>	Station Manager <b>scotty</b>	Treater <b>Allen</b>
Service Units <b>28443</b>	<b>27463</b>	<b>19826</b>
Driver Names <b>Allen</b>	<b>mike</b>	<b>mike</b>
	<b>McGraw</b>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Notes
130					D+S casing on loc. Discuss Safety Setup Plan Job
140					Hole cut 901' circ hole. 1 3/4"
155					MAKE SHORT TRIP.
155					Start 8 5/8 casing 23'
550					CASING @ 899' Hook up + circ w/Reg.
545	200		88	5	Mix + Pump 200SKs A-Con - 12'
				5	Mix + Pump 200SKs Common 3% CC
			48		6el, 3% CC, 1/4" C.F @ 15'
					Finish mix cement
					Release 8 5/8" Top Rubber Plug
615				5	Start DISP.
630	500		56	2	Plug down
	500				Shot in @ well
	0				Release P.S.I.
					wash up + Rack up Equip
730					Job complete

thanks Allen  
 (cut circ. to pit) Mike McGraw



**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 05631 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 1-7-12	DISTRICT Pratt	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER L.D. Drilling, Inc.		LEASE C.J.M. Inc.		WELL NO. 724			
ADDRESS		COUNTY Barton		STATE KS			
CITY		STATE		SERVICE CREW Orlando, Mitchell, Mcbraw			
AUTHORIZED BY		JOB TYPE: CNW 5 1/2 L.S.					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE TIME
27383	1						1-7-12 11:30 AM
27463	1					ARRIVED AT JOB	1-7-12 2:00 PM
19226-19260	1					START OPERATION	1-7-12 4:15 PM
						FINISH OPERATION	1-7-12 5:15 PM
						RELEASED	1-7-12 6:15 PM
						MILES FROM STATION TO WELL	

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 Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP100	Common	SK	125		2800.00
CP103	60/40 P02	SK	30		360.00
CC105	C-41 P	Lb	33		132.00
CC111	Salt	Lb	869		4345.00
CC115	C-44	Lb	165		849.25
CC129	FLA -302	Lb	132		990.00
CC201	Gilsonite	Lb	875		586.25
CF103	TOP Rubber Cement Plus, 5 1/2"	ea	1		105.60
CS251	Guido Sigs 5 1/2"	ea	1		250.00
CS1451	Flapper Type Insert 5 1/2"	ea	1		215.00
CF1451	Trichizer 5 1/2"	ea	7		270.00
CE151	Mud Slush	Gal	1000		860.00
E102	Pickup Mileage	mi	55		233.25
E101	Heavy Equipment Mileage	mi	110		770.00
E113	B.K. Holiday	TM	5.25		840.40
CE204	Napix Charge @ -3001-4000	ea	1		2160.00
CE240	Bleeding & Mixing Service Charge	SK	205		287.00
CE504	Plus Container	ea	1		250.00
SL03	Service Supervisor	ea	1		175.00
SUB TOTAL					10364.23

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: Steve Orlando THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <b>L.D. Drilling</b>	Lease No.	Date <b>1-7-13</b>
Lease <b>CJM 1.</b>	Well # <b>1-24</b>	
Field Order # <b>5651</b>	Station <b>Pratt</b>	Casing <b>14'</b>
		Depth <b>3683</b>
Type Job <b>CJM 1 - 1-24</b>	Formation	County <b>B...</b>
		State <b>K</b>
		Legal Description <b>24 20 1</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5" 1/2			175	Pre Pad			5 Min.	
Depth	Depth	From	To	Pad	Max		10 Min.	
3683			300	60/100/200	Min		15 Min.	
Volume	Volume	From	To	Frac	Avg		Annulus Pressure	
							Total Load	
Max Press	Max Press	From	To	Flush	Gas Volume			
				873				
Well Connection	Annulus Vol.	From	To					
Plug Depth	Packer Depth	From	To					

Customer Representative <b>L.D. Drilling</b>	Station Manager <b>D...</b>	Treater <b>D...</b>
---	--------------------------------	------------------------

Service Units	07283	0746	11826/17760						
Driver Names	...	...	...	...					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:00					On location - 3:00 PM
					8:00 AM - 1:00 PM
					Conducted 1-3-5-7-9-11-13
					Conducted 1-3-5-7-9-11-13
4:30	350		24	4.0	Medium
4:34			5	4.0	1100 spacer
4:35	300		44	4.0	M. 175-36 @ 15 1/2" (10, 11, 12)
					Shut Down - Clear pump & h...
					Return pl...
4:58			0	6	1100 spacer
5:08	300		60	4	L. Pressure
5:17	100		80	"	Slow Rate
5:18	100		90	"	Plug Down - Hold
					Plug R 11 w 3000 60/100/200
					300 Comp
					1 - 11 - 13

L. D. DRILLING, INC.

# 1-24 CJ 4 M

UNRUM

355 RSL & 2235' FEL

24 WPT ZOS 15W

BAYTON KANSAS

Penn-Mark Drilling Rig 2

12-31-11 1-7-12

WPT 3700 CHEMICAL

WPT 2356

WPT 2300

WPT 2800

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

WPT 3000

1920

1915

1920 KB

0.85 ft

0.85 ft

TECHNICAL SERVICES

Drilling, Drilling

3700

3700

3700

3700

3700

3700

3700

3700

3700

3700

3700

3700

3700

3700

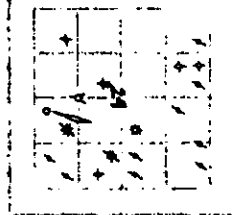
3700

3700

3700

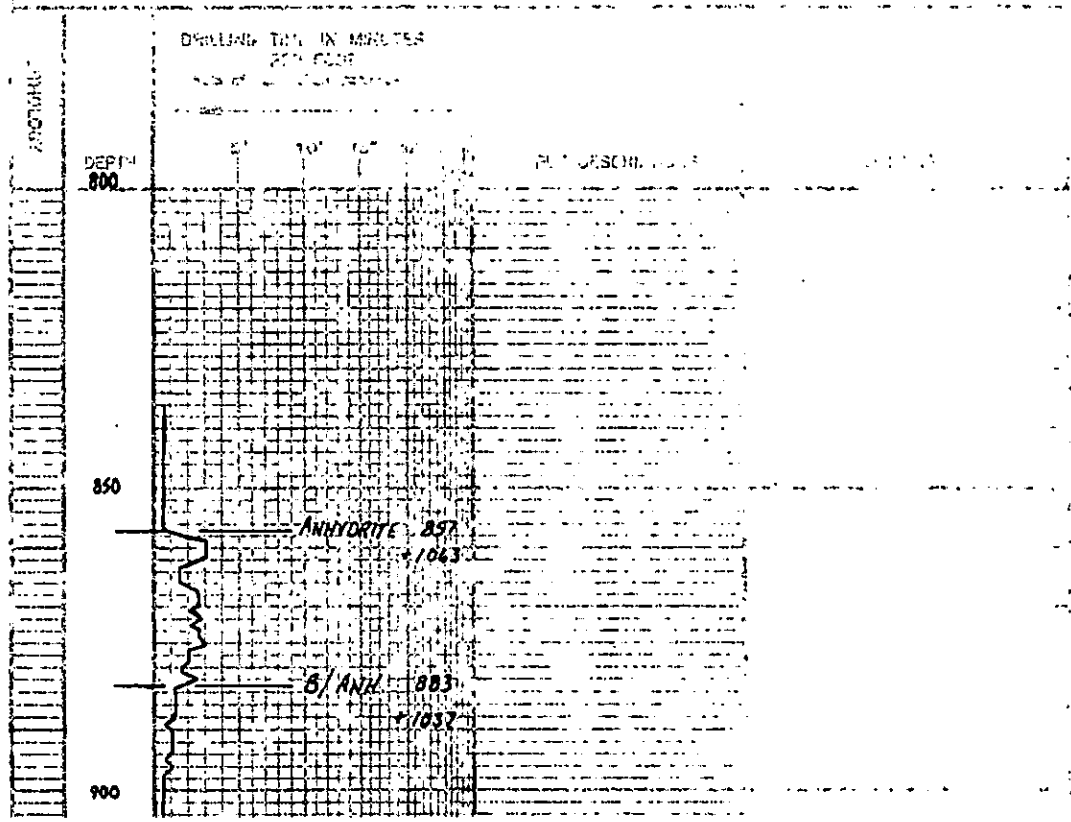
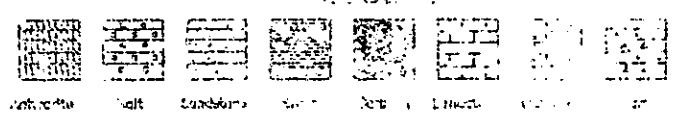
3700

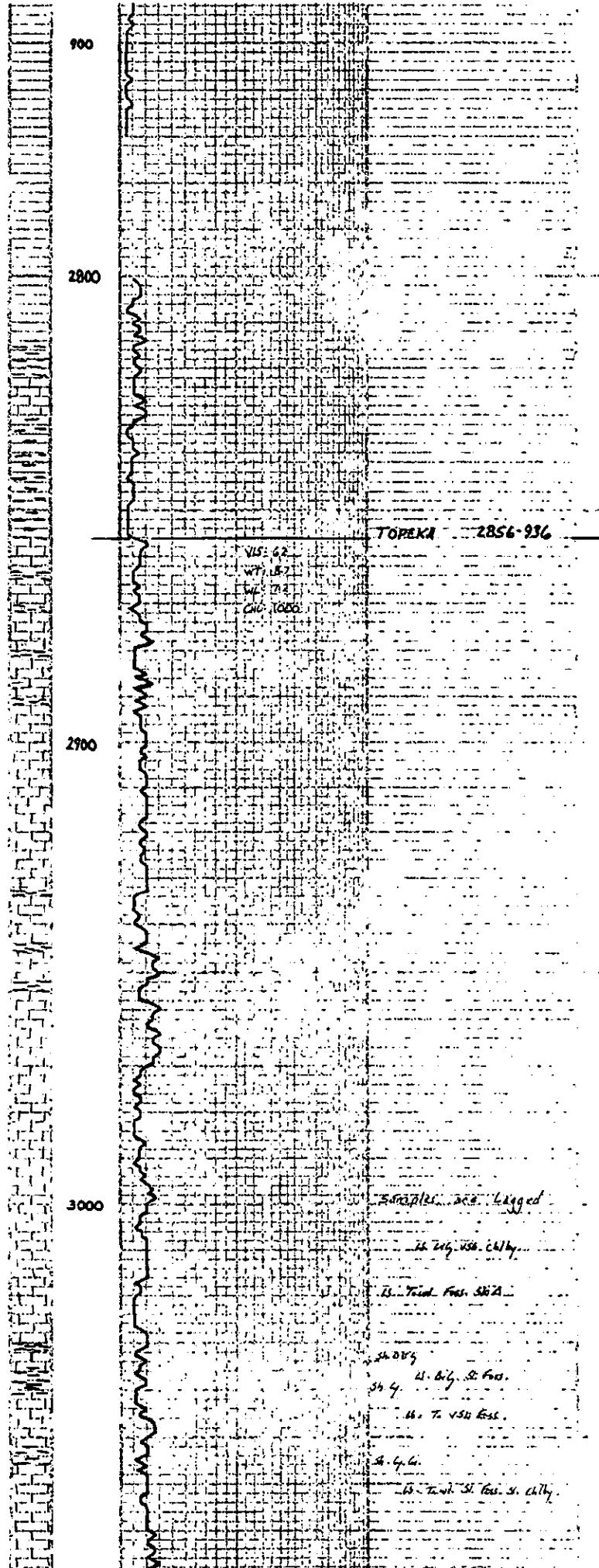
3700



API 15-009-23645

- 1 120 524
- 2 1027
- 3 2131
- 4 3384
- 5 3574
- 6 3610
- 7 3700





2800

2900

3000

TOPEKA 2856-936

VLS: 6.2  
 WY: 15.2  
 WY: 17.2  
 CNC: 10000

2000

21. 7. 1950 Ess.

22. 7. 1950 Ess. Chby.

23. 1950

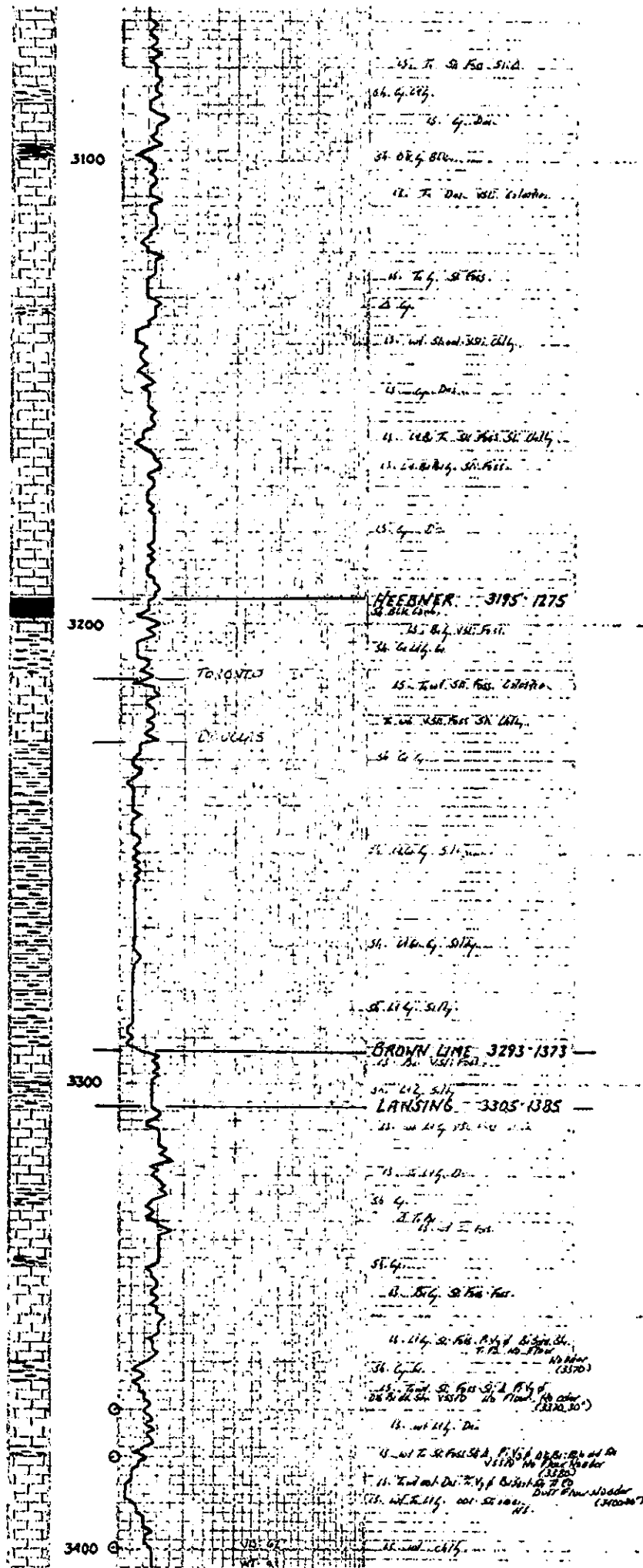
24. 7. 1950 Ess.

25. 7. 1950 Ess.

26. 7. 1950

27. 7. 1950 Ess. Chby.

28. 7. 1950 Ess. Chby.





# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	L.D. DRLG	Job Number	M256
Well Name	C.J.M.INC. #1-24	Representative	MIKE COCHRAN
Unique Well ID	DST#1 3490-3574 ARBUCKLE	Well Operator	L.D. DRLG
Surface Location	SEC.24-20S-15W BARTON CO.KS.	Report Date	2012/01/04
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 3490-3574 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2012/01/04	Start Test Time	22:30:00
Final Test Date	2012/01/05	Final Test Time	06:30:00
		Well Fluid Type	01 Oil
Gauge Name	E1150		
Gauge Serial Number			

### Test Results

#### Remarks

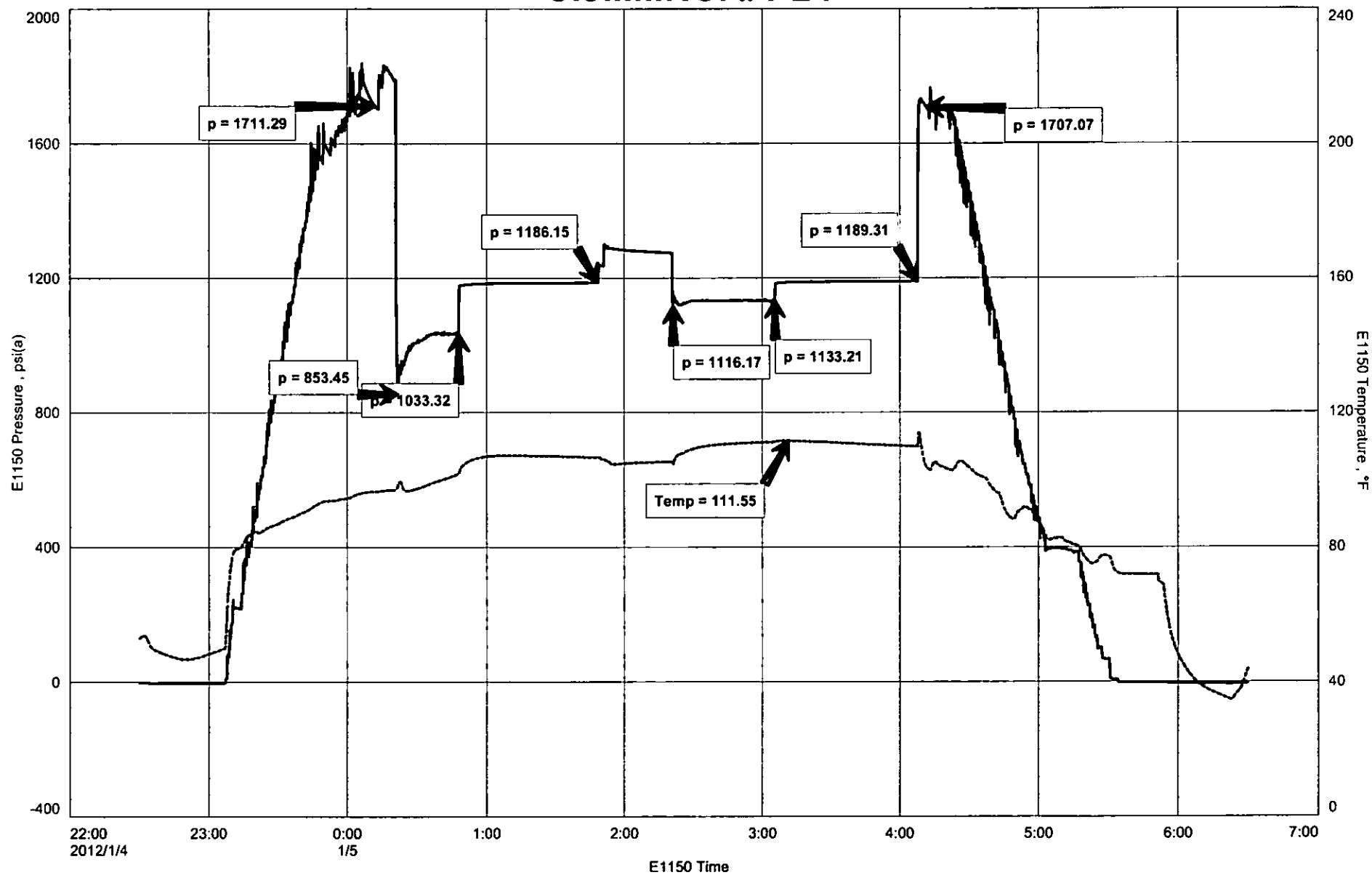
RECOVERED:  
10' DM  
10' TOTAL FLUID

TOOL SAMPLE: 100% GAS

L.D. DRLG  
DST#1 3490-3574 ARBUCKLE  
Start Test Date: 2012/01/04  
Final Test Date: 2012/01/05

C.J.M.INC. #1-24  
Formation: DST#1 3490-3574 ARBUCKLE  
Pool: WILDCAT  
Job Number: M256

# C.J.M.INC. #1-24





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: CJMINC1-24DST1

TIME ON: 2230 (1/4)  
TIME OFF: 0630 (1/5)

Company L.D. DRLG Lease & Well No. C.J.M.INC. #1-24  
Contractor PETROMARK RIG 2 Charge to L.D. DRLG  
Elevation 1920 KB Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. M256  
Date 1/4/12 Sec. 24 Twp. 20 S Range 15 W County BARTON State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 3490 ft. to 3574 ft. Total Depth 3574 ft.  
Packer Depth 3485 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 90 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3472 ft. Recorder Number E1150 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3571 ft. Recorder Number 11029 Cap. 5,025 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Mud Type CHEM Viscosity 62 Drill Collar Length 120 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 3,600 P.P.M. Drill Pipe Length 3338 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number N/A Test Tool Length 32 ft. Tool Size 3 1/2-FH in.  
Did Well Flow? NO Reversed Out NO Anchor Length 84 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: BOB RIGHT AWAY, GTS 5 MIN (NO BB)  
2nd Open: 1" INITIAL BLOW, THEN NOTHING, FLUSH TOOL (2X), 7" DIMINISHING BLOW, 1 TURN INTO SHUT IN BOB BLOW (5" BB)

Recovered 10 ft. of DM 100% MUD  
Recovered 10 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks: \_\_\_\_\_  
FINAL FLOW: 5543 MCF/DAY  
TOOL SAMPLE: 100% GAS

Price Job
Other Charges
Insurance
Total

Time Set Packer(s) 12:15 A.M. A.M. P.M. Time Started Off Bottom 4:00 A.M. A.M. P.M. Maximum Temperature 112  
Initial Hydrostatic Pressure..... (A) 1711 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 853 P.S.I. to (C) 1033 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1186 P.S.I.  
Final Flow Period..... Minutes (30)+45 (E) 1116 P.S.I. to (F) 1133 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1189 P.S.I.  
Final Hydrostatic Pressure..... (H) 1707 P.S.I.

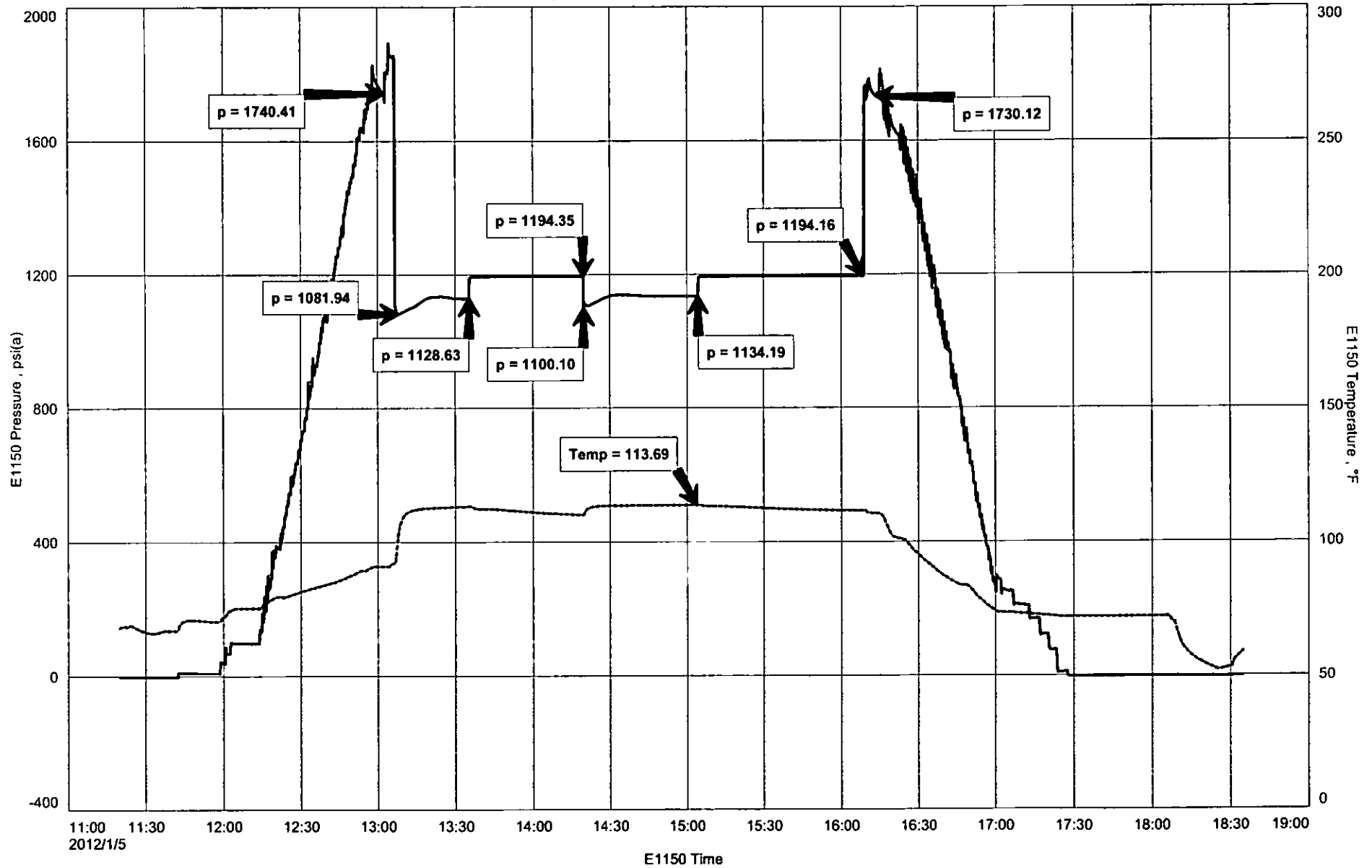
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



L.D. DRLG  
DST#2 3571-3590 ARBUCKLE  
Start Test Date: 2012/01/05  
Final Test Date: 2012/01/05

C.J.M.INC. #1-24  
Formation: DST#2 3571-3590 ARBUCKLE  
Pool: WILDCAT  
Job Number: M257

# C.J.M.INC. #1-24



# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	L.D. DRLG	Job Number	M257	
Well Name	C.J.M.INC. #1-24	Representative	MIKE COCHRAN	
Unique Well ID	DST#2 3571-3590	ARBUCKLE	Well Operator	L.D. DRLG
Surface Location	SEC.24-20S-15W	BARTON CO.KS.	Report Date	2012/01/05
Field	WILDCAT	Prepared By	MIKE COCHRAN	
Well Type	Vertical	Qualified By	KIM SHOEMAKER	
		Test Unit	NO. 1	

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 3571-3590	ARBUCKLE	
Test Purpose (AEUB)	Initial Test		
Start Test Date	2012/01/05	Start Test Time	11:20:00
Final Test Date	2012/01/05	Final Test Time	18:35:00
		Well Fluid Type	01 Oil
Gauge Name	E1150		
Gauge Serial Number			

### Test Results

#### Remarks

#### RECOVERED:

458' CO 100% OIL (383 D.P. 75' D.C.)  
45' WTR 100% WTR  
503' TOTAL FLUID

GRAVITY: 32.6 @ 60  
CHLOR: 23,000 PPM  
PH: 8.5  
RW: .44 @ 45 DEG

TOOL SAMPLE: 2% GAS, 20% OIL, 66% WTR, 12% MUD



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: CJMINC1-24DST2

TIME ON: 1120  
TIME OFF: 1835

Company L.D. DRLG Lease & Well No. C.J.M.INC. #1-24  
Contractor PETROMARK RIG 2 Charge to L.D. DRLG  
Elevation 1920 KB Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. M257  
Date 1/5/12 Sec. 24 Twp. 20 S Range 15 W County BARTON State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3571 ft. to 3590 ft. Total Depth 3590 ft.  
Packer Depth 3566 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 3571 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3553 ft. Recorder Number E1150 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3587 ft. Recorder Number 13386 Cap. 3,875 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Mud Type CHEM Viscosity 9.0 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
Weight 61 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 3,000 P.P.M. Drill Pipe Length 3419 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number N/A Test Tool Length 32 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 19 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: BOB RIGHT AWAY, GTS 5 MIN OTS 10 MIN (BB THROUGH OUT SHUT IN)  
2nd Open: BOB RIGHT AWAY, OTS 3 MIN (BB THROUGH OUT SHUT IN)

Recovered 458 ft. of CO 100% OIL (383 D.P. 75' D.C.) GRAVITY: 32.6 @ 60°  
Recovered 45 ft. of WTR 100% WTR  
Recovered 503 ft. of TOTAL FLUID

Recovered _____ ft. of <u>RW: .44 @ 45°</u>	Price Job
Recovered _____ ft. of <u>PH: 8.5</u>	Other Charges
Recovered _____ ft. of <u>CHLOR: 23,000 PPM</u>	Insurance
Remarks: _____	Total
<u>FINAL FLOW: 3752 MCF/D</u>	
<u>TOOL SAMPLE: 2% GAS, 20% OIL, 66% WTR, 12% MUD</u>	

Time Set Packer(s) 1:15 P.M. A.M. P.M. Time Started Off Bottom 4:15 P.M. A.M. P.M. Maximum Temperature 114  
Initial Hydrostatic Pressure..... (A) 1740 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 1082 P.S.I. to (C) 1129 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1194 P.S.I.  
Final Flow Period..... Minutes 45 (E) 1100 P.S.I. to (F) 1134 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1194 P.S.I.  
Final Hydrostatic Pressure..... (H) 1730 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

## Pressure Survey Report

### General Information

Company Name	L.D. DRLG	Job Number	M258
Well Name	C.J.&M.INC. #1-24	Representative	MIKE COCHRAN
Unique Well ID	DST#3 3587-3610 ARBUCKLE	Well Operator	L.D. DRLG
Surface Location	SEC.24-20S-15W BARTON CO.KS.	Report Date	2012/01/06
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 3587-3610 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2012/01/05	Start Test Time	23:30:00
Final Test Date	2012/01/06	Final Test Time	08:45:00
		Well Fluid Type	01 OIL
Gauge Name	E1150		
Gauge Serial Number			

### Test Results

#### Remarks

##### RECOVERED:

378' GOCMW 6% GAS, 24% OIL, 56% WTR, 14% MUD  
1197' HOCW 40% OIL, 60% WTR  
1191' WTR 100% WTR (1071 DP, 120 DC)  
2766' TOTAL FLUID

CHLOR: 22,000 PPM

PH:7.5

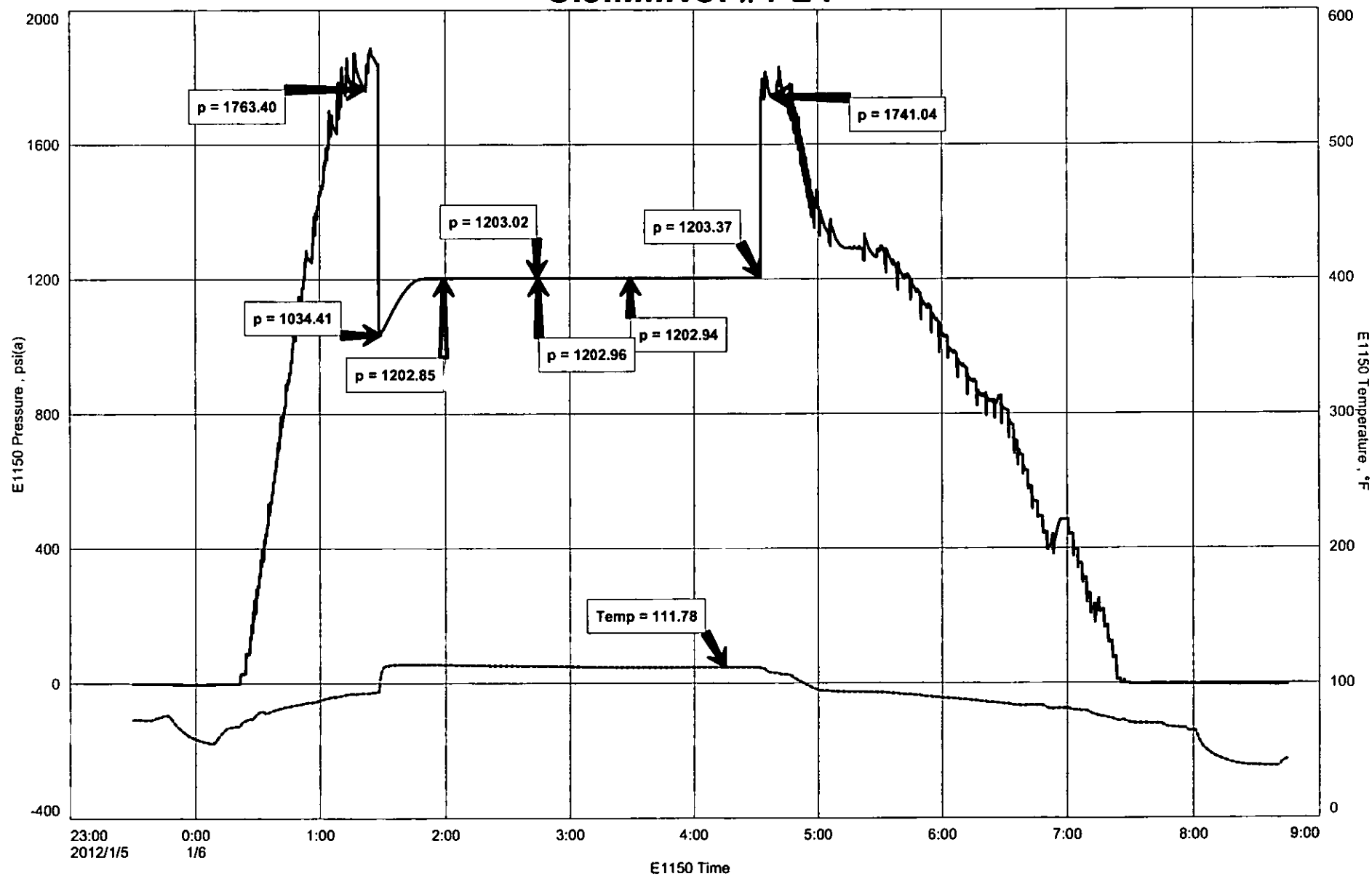
RW: .44 @ 46DEG

TOOL SAMPLE: TOOL SAMPLE: WATER W/ OIL SPOTS

L.D. DRLG  
DST#3 3587-3610 ARBUCKLE  
Start Test Date: 2012/01/05  
Final Test Date: 2012/01/06

C.J.&M.INC. #1-24  
Formation: DST#3 3587-3610 ARBUCKLE  
Pool: WILDCAT  
Job Number: M258

# C.J.M.INC. #1-24





**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: CJMINC1-24DST3

TIME ON: 2330 (1/5)  
TIME OFF: 0845 (1/6)

Company L.D. DRLG Lease & Well No. C.J.&M.INC. #1-24  
Contractor PETROMARK RIG 2 Charge to L.D. DRLG  
Elevation 1920 KB Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. M258  
Date 1/6/12 Sec. 24 Twp. \_\_\_\_\_ 20 S Range \_\_\_\_\_ 15 W County BARTON State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 3587 ft. to 3610 ft. Total Depth 3610 ft.  
Packer Depth 3582 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 3587 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3569 ft. Recorder Number E1150 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3607 ft. Recorder Number 13386 Cap. 3,875 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Mud Type CHEM Viscosity 9.0 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
Weight 61 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 3,000 P.P.M. Drill Pipe Length 3435 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 23 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: BOB RIGHT AWAY, GTS 5 MIN (BB THROUGH OUT SHUT IN)  
2nd Open: BOB RIGHT AWAY (BB THROUGH OUT SHUT IN)

Recovered 378 ft. of GOCMW 6% GAS, 24% OIL, 56% WTR, 14% MUD  
Recovered 1197 ft. of HOCW 40% OIL, 60% WTR  
Recovered 1191 ft. of WTR 100% WTR (1071 DP, 120 DC)  
Recovered 2766 ft. of TOTAL FLUID

Recovered _____ ft. of <u>PH: 7.5</u>	Price Job
Recovered _____ ft. of <u>CHLOR: 22,000 PPM</u>	Other Charges
Remarks: <u>RW: .44 @ 46 °</u>	Insurance
<u>FINAL FLOW: 12.7 MCF/D</u>	
<u>TOOL SAMPLE: WATER W/ OIL SPOTS</u>	Total

Time Set Packer(s) 1:30 A.M. A.M. P.M. Time Started Off Bottom 4:30 A.M. A.M. P.M. Maximum Temperature 112  
Initial Hydrostatic Pressure..... (A) 1763 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 1034 P.S.I. to (C) 1203 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1203 P.S.I.  
Final Flow Period..... Minutes 45 (E) 1203 P.S.I. to (F) 1203 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1203 P.S.I.  
Final Hydrostatic Pressure..... (H) 1741 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