



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

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



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

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

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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ 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

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)* _____

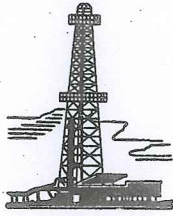
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD 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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	DODGE 1-31
Doc ID	1113476

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Tyep and Percent Additives
SURFACE	12.25	8.625	24	812	A-CON BLEND	175	
SURFACE	12.25	8.625	24	812	COMMON	175	
PRODUC TION	7.875	4.5	11.6	3417.77	COMMON	175	.25%Defo amer,18% Salt
PRODUC TION	7.875	4.5	11.6	3417.77	60/40 POZMIX	60	



Petromark Drilling

PIPE TALLY

TD 3420

CUSTOMER _____ DATE _____

CARRIER _____ /B.L.# _____ CUST. ORDER NO. _____

STORE LOCATION _____ P.O.# _____ LOCATION: _____

SIZE _____ WT. 11.6 GRADE _____ MILL _____ RANGE _____ THREAD _____

No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.	No.	Ft.	In.			
1	16	04	26	41	38	51	43	32	76	41	08	101			126			151			176		
2	43	49	27	43	18	52	39	07	77	43	30	102			127			152			177		
3	45	43	28	39	78	53	45	91	78	46	15	103			128			153			178		
4	43	24	29	43	14	54	41	05	79	45	90	104			129			154			179		
5	46	08	30	45	21	55	43	30	80	41	09	105			130			155			180		
6	41	20	31	45	85	56	43	48	81	41	16	106	out		131			156			181		
7	46	09	32	45	93	57	45	82	82	41	11	107	out		132			157			182		
8	46	02	33	39	14	58	41	06	83	21	48	108	out		133	3554.47		158			183		
9	45	98	34	40	52	59	45	91	84			109			134	21.48		159	1out		184		
10	46	04	35	43	76	60	41	58	85			110			135	532.99		160			185		
11	35	95	36	46	15	61	45	81	86			111			136	41.11		161	2out		186		
12	35	96	37	40	93	62	44	42	87			112			137	491.88		162			187		
13	39	65	38	46	-	63	40	32	88			113			138	41.16		163	3out		188		
14	45	89	39	45	94	64	38	80	89			114			139	450.72		164			189		
15	43	80	40	45	96	65	45	88	90			115			140	35.95		165	4out		190		
16	45	96	41	45	80	66	45	81	91			116			141	414.77		166			191		
17	43	35	42	44	38	67	45	95	92			117			142	3-		167	L.J.		192		
18	41	52	43	45	88	68	45	93	93			118			143	417.77		168			193		
19	43	50	44	43	35	69	45	98	94			119			144			169			194		
20	45	87	45	40	68	70	42	87	95			120			145			170			195		
21	44	34	46	43	48	71	41	18	96			121			146			171			196		
22	43	45	47	45	94	72	43	30	97			122			147			172			197		
23	40	53	48	45	91	73	45	96	98			123			148			173			198		
24	44	17	49	45	78	74	42	71	99			124			149			174			199		
25	38	80	50	35	54	75	45	84	100			125			150			175			200		
Total	1052	33		1089	61		1091	26		321	27												

NO. JOINTS _____

TALLIED BY _____

FOOTAGE _____

TOTAL 3554.47 FT.

RECEIVED BY _____

Set @ 3417.77 Run 79 Jts 4 Jts Out



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 07171 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>12-11-2012</u> DISTRICT _____		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>CD DRILLING, INC.</u>		LEASE <u>DODGE</u>		WELL NO. <u>1-31</u>					
ADDRESS _____		COUNTY <u>BARTON</u>		STATE <u>Ks.</u>					
CITY _____ STATE _____		SERVICE CREW <u>LESLEY, MARQUEZ, LAWRENCE</u>							
AUTHORIZED BY _____		JOB TYPE: <u>CNW - 4 1/2" L.S.</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	PM	TIME
<u>37586</u>	<u>3</u>						<u>12-11-12</u>		<u>3:00</u>
<u>19889-19843</u>	<u>3</u>					ARRIVED AT JOB			<u>5:00</u>
<u>19826-19860</u>	<u>3</u>					START OPERATION			<u>5:15</u>
						FINISH OPERATION			<u>7:15</u>
						RELEASED			<u>8:15</u>
						MILES FROM STATION TO WELL <u>65</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
CP 100C	COMMON CMT.	SK	175		2,800.00
CP 103	60/140 P02	SK	60		720.00
CC 105	C-41P DEFOAMER	lb	42		168.00
CC 111	SALT	lb	1422		711.00
CC 112	CMT. FRICTION REDUCER	lb	124		744.00
CC 113	GYPSON	lb	825		618.75
CC 201	GILSONITE	lb	875		586.25
CF 102	TOP RUBBER CMT. PLUG, 4 1/2"	EA	1		80.00
CF 250	REGULAR GUIDE SHOE, 4 1/2"	EA	1		225.00
CF 1450	FLAPPER TYPE INSERT FLOAT VALVE, 4 1/2"	EA	1		200.00
CF 11650	TURBOLIZER, 4 1/2"	EA	6		510.00
E 100	PICKUP MILEAGE	MI	65		276.25
E 101	HEAVY EQUIPMENT MILEAGE	MI	130		910.00
E 113	BULK DELIVERY CHARGE	TM	705		1,128.40
CE 204	DEPTH CHARGE; 3001' - 4000'	HR	1-4		2,160.00
CE 240	BLENDING SERVICE CHARGE	SK	235		329.00
CE 504	PLUG CONTAINER CHARGE	DOB	1		250.00
S 003	SERVICE SUPERVISOR	EA	1		175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		<u>9,443.24</u>
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE <u>Steven Lesley</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY <u>Michael Lawrence</u>
FIELD SERVICE ORDER NO. _____	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer	LD DRILLING, INC.	Lease No.		Date	12-11-2012
Lease	DODGE	Well #	1-31		
Field Order #	01171	Station	PRATT, KS.	Casing	4 1/2"
Type Job	CNW - 4 1/2" L.S.	Depth		County	BARTON
		Formation	TD = 3400'	State	KS.
				Legal Description	31-17-13

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
4 1/2" x 11.6"			CMT-	30 SKS. SCAV				
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
3400'	3400'			@ 1.26 CUFT ³	55 = 16.04'			
Volume	Volume	From	To	Pad	Min		10 Min.	
53.14 BBL				175 SKS. COMMON				
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
1500				@ 1.36 CUFT ³				
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
P.C.								
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	
3401'				52.7 BBL				

Customer Representative	LD DAVIS	Station Manager	D. SCOTT	Treater	K. LESLEY
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Service Units	37586	19889	19843	19826	19860				
Driver Names	LESLEY	MARQUEZ	LAWRENCE						

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
4:45 PM					ON LOCATION - SAFETY MEETING
5:00 PM					RUN 79 JTS. 4 1/2" x 11.6" CSG.
5:45 PM					TURBO - 1, 3, 5, 7, 9, 11
6:00 PM					CSG. ON BOTTOM
6:45 PM	250		5	5	HOOK UP TO CSG. / BREAK CIRC. w/ RIG
6:48 PM	250		7	5	H ₂ O AHEAD
6:49 PM	200		42	5	MIX 30 SKS. SCAVENGER @ 14.4 PPG
6:57 PM					MIX 175 SKS. COMMON @ 15.5 PPG
7:02 PM	0		0	5	CLEAR PUMP & LINE / DROP T.R. PLUG
7:08 PM	300		30	4	START DISPLACEMENT
7:10 PM	500		42	2	LIFT PRESSURE
7:15 PM	1200		52.7	2	SLOW RATE
					PLUG DOWN - HELD
					CIRC. THRU JOB
					PLUG R.H.
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

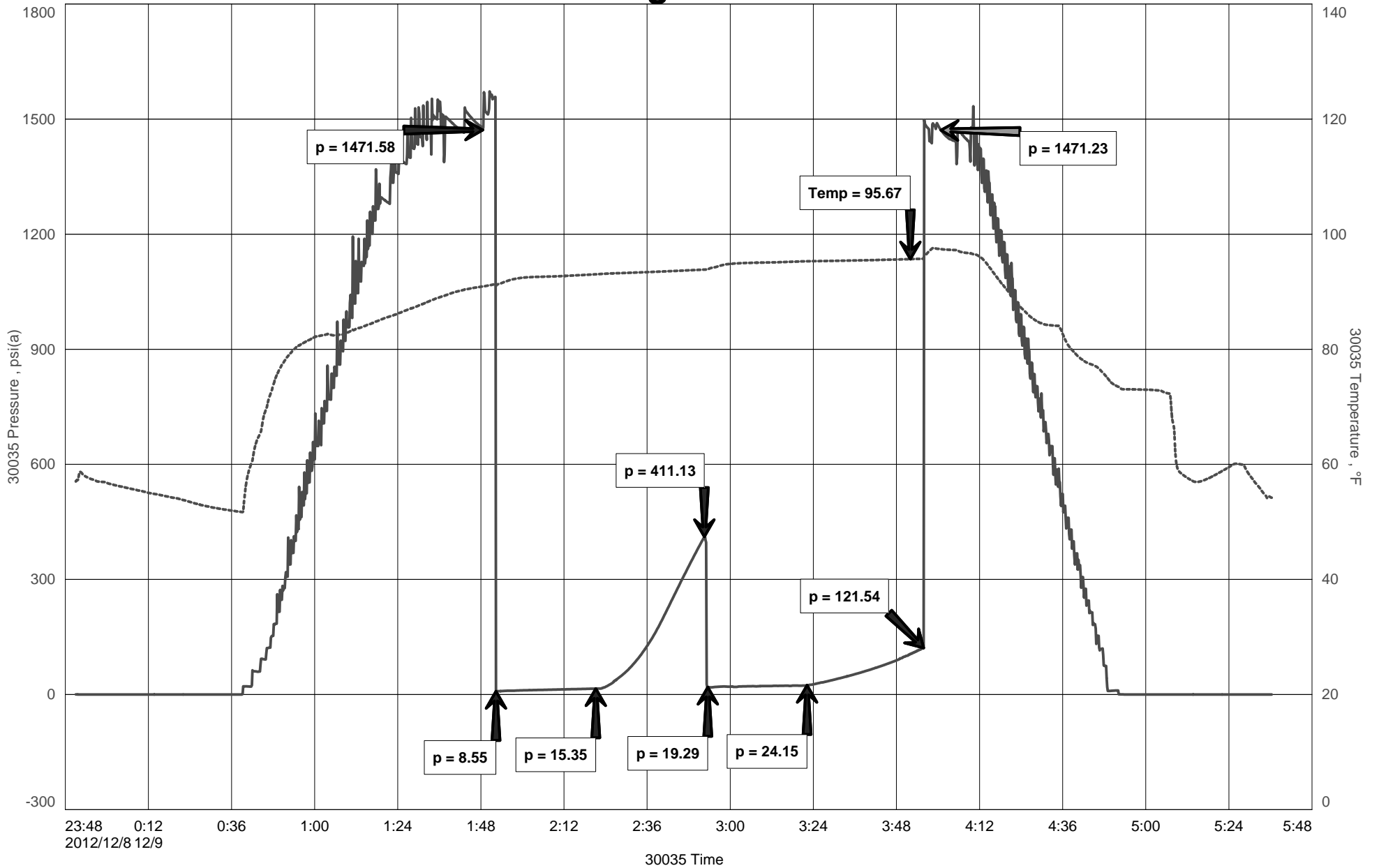
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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.

LD Drilling Inc
DST #1 Lansing A-F 3102-3175'
Start Test Date: 2012/12/08
Final Test Date: 2012/12/09

Dodge #1-31
Formation: DST #1 Lansing A-F 3102-3175'
Pool: Wildcat
Job Number: S0250

Dodge #1-31



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis		
Well Name	Dodge #1-31	Job Number	S0250
Unique Well ID	DST #1 Lansing A-F 3102-3175'	Representative	Jacob McCallie
Surface Location	SEC 31-17S-13W Barton County	Well Operator	LD Drilling Inc
Well License Number		Report Date	2012/12/09
Field	Wildcat	Prepared By	Jacob McCallie
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #1 Lansing A-F 3102-3175'		
Well Fluid Type	01 Oil	Start Test Time	23:51:00
		Final Test Time	05:37:00
Start Test Date	2012/12/08		
Final Test Date	2012/12/09		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

30'	GIP	
30'	SOS Mud	1% O 99% M

TOOL SAMPLE:

1% O 99% M



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

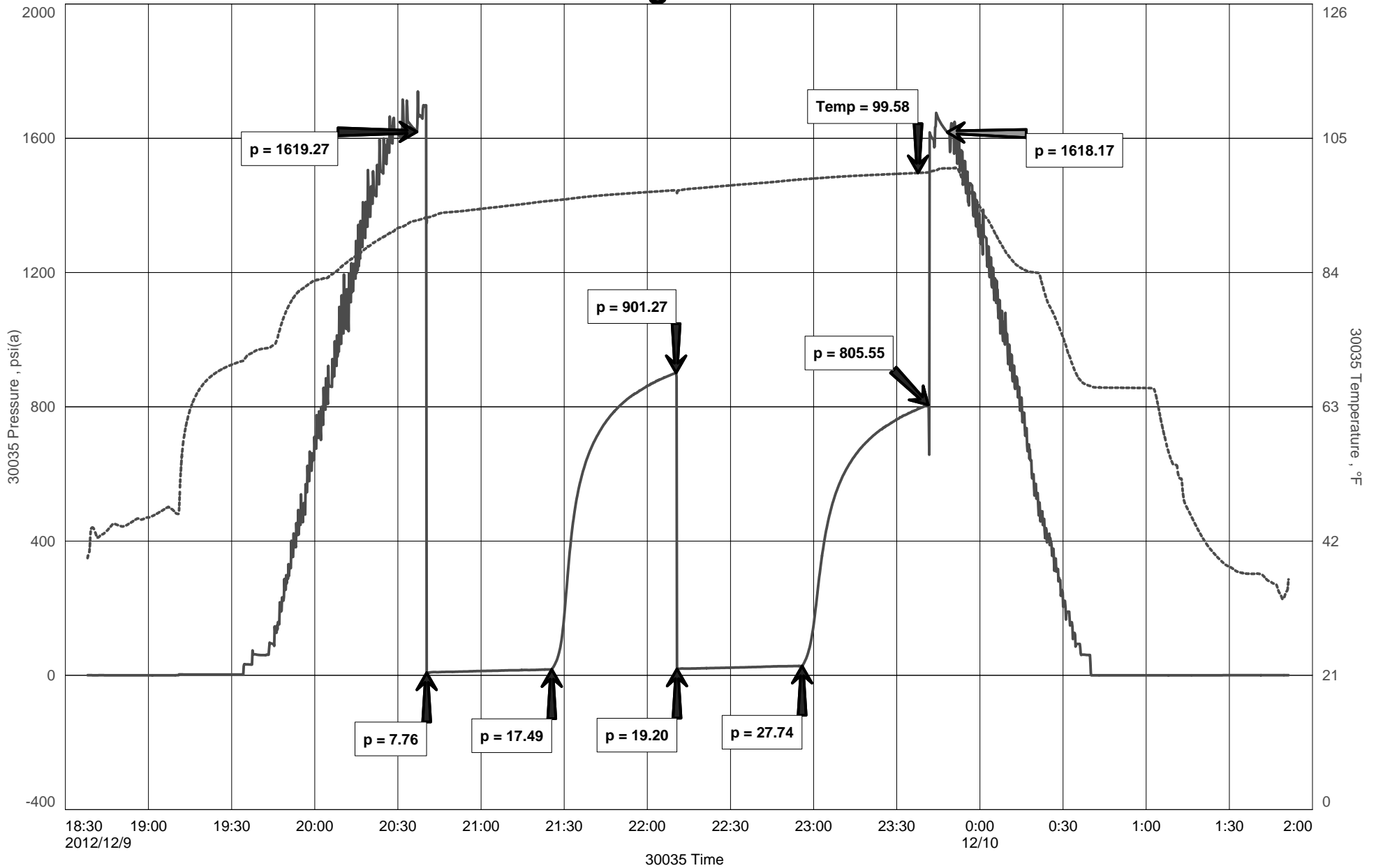
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Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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LD Drilling Inc
DST #2 Arbuckle 3304-3347'
Start Test Date: 2012/12/09
Final Test Date: 2012/12/10

Dodge #1-31
Formation: DST #2 Arbuckle 3304-3347'
Pool: Wildcat
Job Number: S0251

Dodge #1-31



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0251
Well Name	Dodge #1-31	Representative	Jacob McCallie
Unique Well ID	DST #2 Arbuckle 3304-3347'	Well Operator	LD Drilling Inc
Surface Location	SEC 31-17S-12W Barton County	Report Date	2012/12/10
Well License Number		Prepared By	Jacob McCallie
Field	Finn		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #2 Arbuckle 3304-3347'		
Well Fluid Type	01 Oil	Start Test Time	18:38:00
		Final Test Time	01:52:00
Start Test Date	2012/12/09		
Final Test Date	2012/12/10		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

10'	GIP		
42'	CO	100% O	GRAVITY: 37 @ 60 degrees F
15'	OM	31% O 69% M	
57'	TOTAL FLUID		

TOOL SAMPLE:

35% O 65% M



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
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Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
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Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

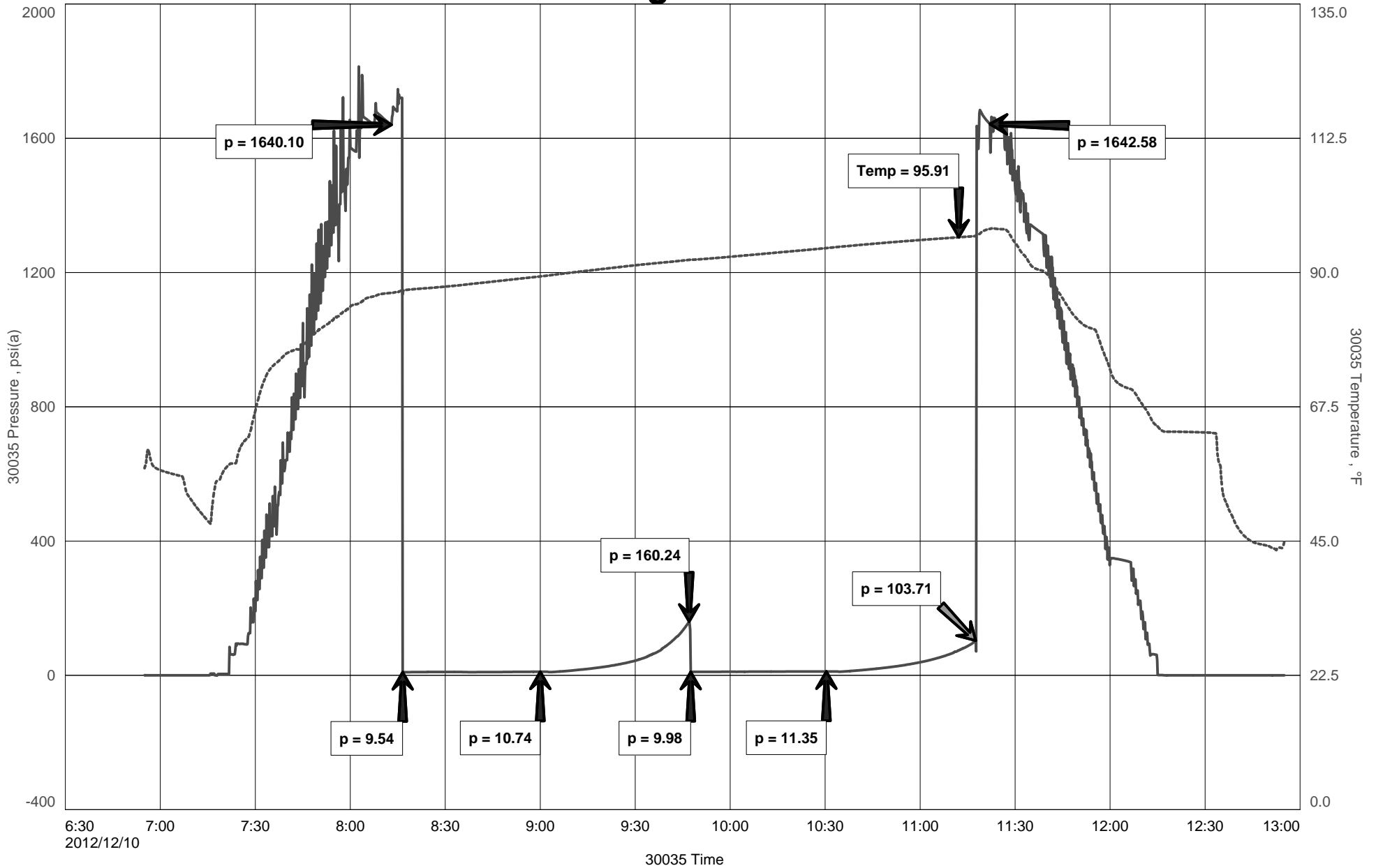
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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.

LD Drilling Inc
DST #3 Arbuckle 3347-3357'
Start Test Date: 2012/12/10
Final Test Date: 2012/12/10

Dodge #1-31
Formation: DST #3 Arbuckle 3347-3357'
Pool: Wildcat
Job Number: S0252

Dodge #1-31



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0252
Well Name	Dodge #1-31	Representative	Jacob Mccallie
Unique Well ID	DST #3 Arbuckle 3347-3357'	Well Operator	LD Drilling Inc
Surface Location	SEC 31-17S-12W Barton County	Report Date	2012/12/10
Well License Number		Prepared By	Jacob McCallie
Field	Linn		
Well Type	Vertical		

Test Type	Drill Stem Test	Start Test Time	06:55:00
Formation	DST #3 Arbuckle 3347-3357'	Final Test Time	12:55:00
Well Fluid Type	01 Oil		
Start Test Date	2012/12/10		
Final Test Date	2012/12/10		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
7' SOCM 13% O 87% M

TOOL SAMPLE:
7% O 93% M



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

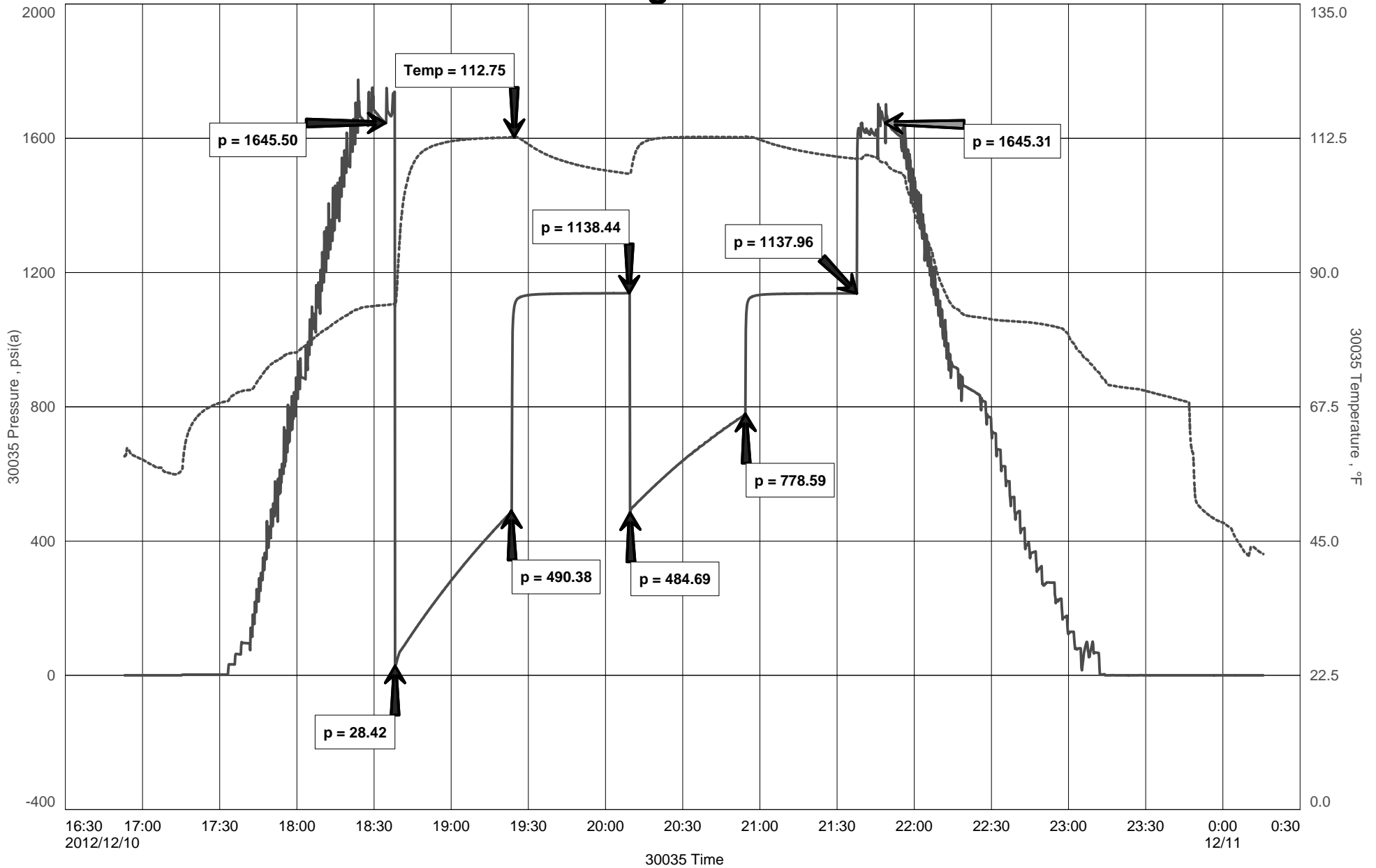
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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.

LD Drilling Inc
DST #4 Arbuckle 3357-3367'
Start Test Date: 2012/12/10
Final Test Date: 2012/12/11

Dodge #1-31
Formation: DST #4 Arbuckle 3357-3367'
Pool: Wildcat
Job Number: S0253

Dodge #1-31



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis		
Well Name	Dodge #1-31	Job Number	S0253
Unique Well ID	DST #4 Arbuckle 3357-3367'	Representative	Jacob McCallie
Surface Location	SEC 31-17S-12W Barton County	Well Operator	LD Drilling Inc
Well License Number		Report Date	2012/12/11
Field	Linn	Prepared By	Jacob McCallie
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #4 Arbuckle 3357-3367'		
Well Fluid Type	06 Water	Start Test Time	16:53:00
		Final Test Time	00:17:00
Start Test Date	2012/12/10		
Final Test Date	2012/12/11		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

156'	MCW	33% W 67% M (trace oil)
1512'	SLMCW	99% W 1% O
1668'	TOTAL FLUID	

PH: 7
RW: .38 @ 60 degrees F
Chlorides: 23,000 ppm

TOOL SAMPLE:
98% W 2% M (trace oil)

OPERATOR

Company: L.D. Drilling, Inc
 Address: 7 SW 26th Ave
 Great Bend, Kansas 67530

Contact Geologist:
 Contact Phone Nbr: 620-793-3051
 Well Name: DODGE 1-31
 Location: 8 5/8" @ 812'
 Pool:
 State: Kansas, Barton County

API: 15-009-25791-00-00
 Field: FINN
 Country: USA



Joshua R. Austin

Petroleum Geologist

report for

L.D. DRILLING, INC.



Scale 1:240 Imperial

Well Name: DODGE 1-31
 Surface Location: 8 5/8" @ 812'
 Bottom Location:
 API: 15-009-25791-00-00
 License Number:
 Spud Date: 12/5/2012 Time: 3:34 PM
 Region: Nw-Nw-Sw 31-17s-12w
 Drilling Completed: 12/11/2012 Time: 4:50 AM
 Surface Coordinates: 2,310' From South Line & 330' From West Line
 Bottom Hole Coordinates:
 Ground Elevation: 1840.00ft
 K.B. Elevation: 1845.00ft
 Logged Interval: 2800.00ft To: 3500.00ft
 Total Depth: 3420.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical mud was displaced at 2626'

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 2,310' From South Line
 E/W Co-ord: 330' From West Line

LOGGED BY

Company: Joshua R. Austin, Petroleum Geologist
 Address: 732 NE 110th Ave
 Stafford, KS 67578

Phone Nbr: 620-546-3960
 Logged By: Geologist Name: Josh Austin

CONTRACTOR

Contractor: Petromark Drilling, LLC
 Rig #: 2
 Rig Type: mud rotary
 Spud Date: 12/5/2012 Time: 3:34 PM
 TD Date: 12/11/2012 Time: 4:50 AM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1845.00ft
K.B. to Ground: 5.00ft

Ground Elevation: 1840.00ft

NOTES

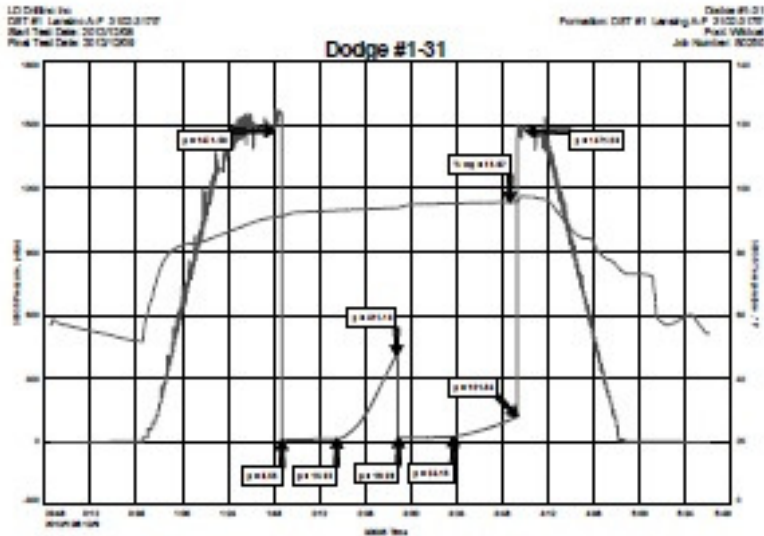
On the Basis of the positive structural position, drill stem test number two and after reviewing the electric logs, it was recommended by all parties involved in the Dodge 1-31 that 4 1/2" production casing be set and cemented at rotary total depth 3420'

L.D. Drilling, Inc.

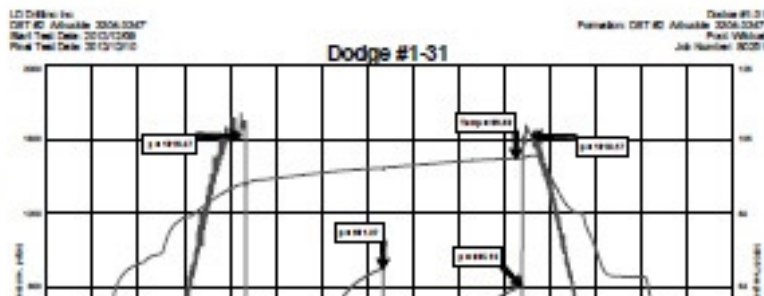
well comparison sheet

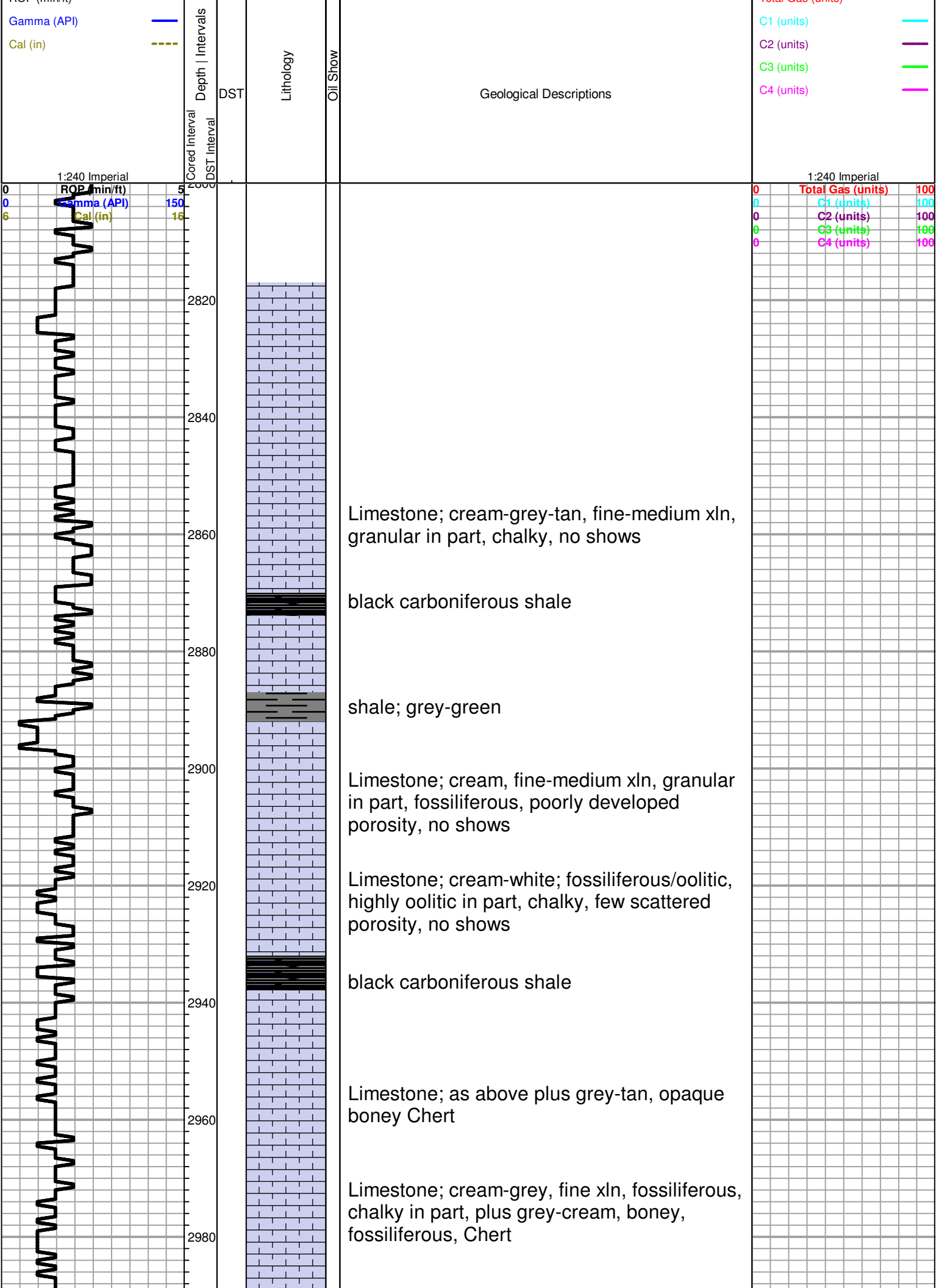
DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Dodge 1-31					Chuck Finn 1 T17S R13W, Sec. 31 SW-NW-SW				Eveleigh 1 T17S R14W, Sec. 36 C-NE-NE-SE			
1845 KB					1838 KB		Structural Relationship		1857 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	3019	-1174	3018	-1173	3018	-1180	6	7	3032	-1175	1	2
Toronto	3034	-1189	3031	-1186					3045	-1188	-1	2
Douglas	3043	-1198	3042	-1197								
Brown Lime	3099	-1254	3097	-1252								
Lansing	3110	-1265	3106	-1261	3109	-1271	6	10	3125	-1268	3	7
Base KC	3309	-1464	3308	-1463								
Arbuckle	3337	-1492	3336	-1491	3332	-1494	2	3	3343	-1486	-6	-5
RTD	3420	-1575			3365	-1527			3385	-1528		
LTD	3420	-1575										

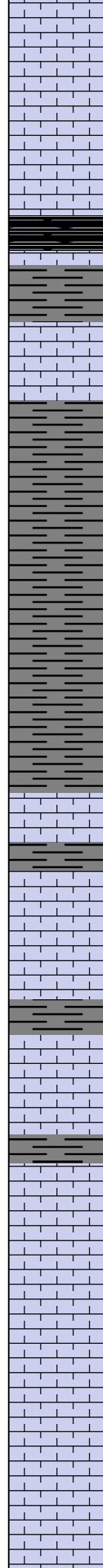
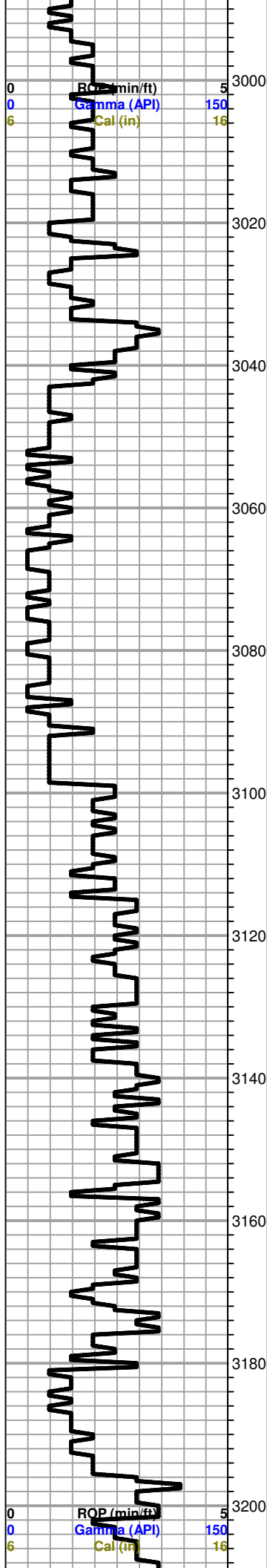
DST #1 3102-3175
30-30-30-30
Blow; weak
Recovery;
30' GIP
30' oil spotted mud
Pressures;
ISIP 411
FSIP 122
IFP 9-15
FFP 19-24
HSH 1472-1471



DST #2 3304-3347
45-45-45-45
Blow; built to 4.5"
Final; built to 2.5"
very weak blow back
Recovery;
10' GIP







Limestone; buff, fine-medium xln, fossiliferous, dense, poor visible porosity, cherty, no shows

as above (dense)

HEEBNER 3019 (-1174)

Black Carboniferous Shale

TORONTO 3034 (-1189)

Limestone; cream-grey, fine xln, dense, poor visible porosity, cherty in part, plus grey

DOUGLAS 3043 (-1198)

grey-maroon-green, soft, Shale

grey-greyish green silty Shale

Shale as above

BROWN LIME 3099 (-1254)

Limestone; buff-tan, fine xln, dense, Cherty

LANSING 3110 (-1265)

○ Limestone; white-cream, fine xln, chalky, trace vuggy-inter xln porosity golden brown stain, trace free oil, faint odor

○ Limestone; tan-cream, fine-medium xln, dense, chalky, trace inter xln porosity, trace spotty brown-golden brown stain, slight SFO, no odor

○ Limestone; cream, sub oomoldic, chalky, brown spotty stain, trace free oil, fair oomoldic porosity, faint odor

Limestone; white-cream, chalky, dense

○ Limestone; cream, highly oolitic, chalky, trace oolitic type porosity, brown stain, trace free oil, very faint odor

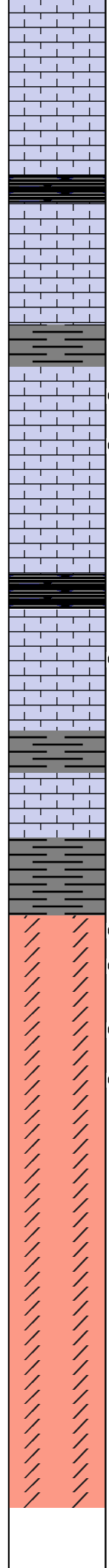
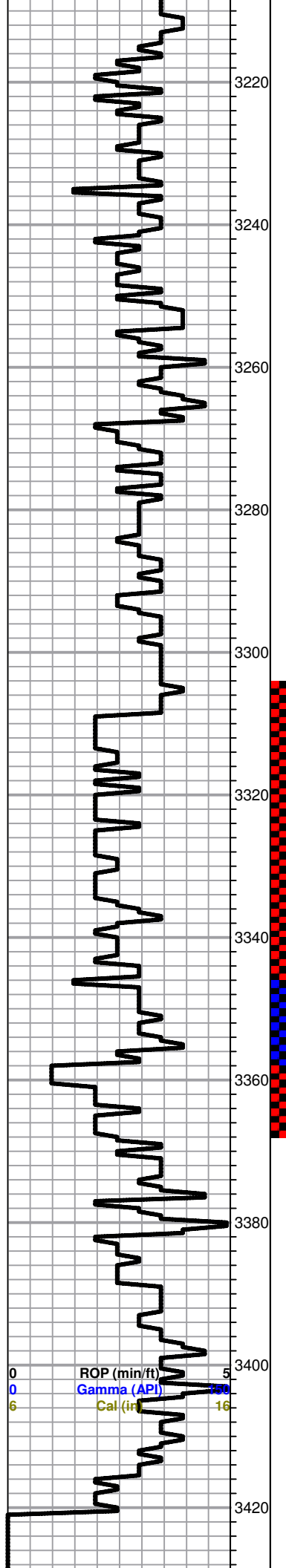
Limestone; cream-grey, oomoldic, chalky, fair-good oomoldic porosity, (barren)

Limestone; as above

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

DST #1 3102-3175
30-30-30-30
Blow; weak
Recovery;
30' GIP
30' oil spotted mud
Pressures;
ISIP 411
FSIP 122
IFP 9-15
FFP 19-24
HSH 1472-1471

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100



Limestone; cream-buff, fine xln, dense, poor visible porosity, no shows

Limestone; as above cherty in part

black carboniferous shale

Limestone; cream-lt. grey, fine xln, chalky, oolitic in part, few scattered oomoldic type porosity, no shows

Shale; grey-greish green

Limestone; tan-cream, fine-medium xln, fossiliferous in part, trace inter xln porosity, brown stain, trace spotty free oil, very faint odor

Limestone; white, fine xln, chalky, fossiliferous, no visible porosity, no shows, dense

black carboniferous shale

Limestone; cream-white, fine-micro xln, dense, chalky in part, few sparry calcite, trace brown edge staining, NSFO, no odor

BASE KANSAS CITY 3309 (-1464)
grey-greish green shale, slightly silty

Limestone; white-pinkish, chalky, dense, plus orange-pink boney Chert

Shale; grey-green, maroon

ARBUCKLE 3337 (-1492)

Dolomite; white, fine-medium xln, fair inter xln porosity, brown spotty stain, SFO, faint odor

Dolomite; white, fine-medium xln, inter xln porosity "tight", trace brown-black stain, trace free oil, no odor

Dolomite; tan-buff, fine-medium xln, fair inter xln porosity, trace brown stain, very lt. SFO, no odor

Dolomite; cream-tan, fine-medium xln, dense, slightly sucrosic in part, poor porosity, no shows

Dolomite; as above plus white-grey Chert

Dolomite; lt. grey-cream, fine xln, dense, few sucrosic pieces, poor visible porosity, no shows, Chert; cream oolitic, boney

ROTARY TOTAL DEPTH 3420 (-1575)

0 C4 (units) 100

DST #2 3304-3347
45-45-45-45
Blow; built to 4.5"
Final; built to 2.5"
very weak blow back
Recovery;
10' GIP
42' clean oil
15' oily mud
Pressures;
ISIP 901
FSIP 806
IFP 8-17
FFP 19-28
HSH 1619-1618

DST #3 3347-3357
45-45-45-45
Blow; weak surface
Recovery;
7' SOCM
(13% Oil, 87% Mud)
Pressures;
ISIP 160
FSIP 104
IFP 10-11
FFP 10-11
HSH 1640-1643

DST #4 3357-3367
45-45-45-45
Blow; BOB in 3 min
no blow back
Recovery;
156' MCW (33%water,
67% mud) w/ trace oil
1512' SLMCW
(99%water, 1% mud)
Pressure;
ISIP 1138
FSIP 1138
IFP 28-490
FFP 485-779
HSH 1646-1645

