

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
October 2008  
Form Must Be Typed

9/20/12

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31783  
Name: Mid-Continent Energy Operating Company  
Address 1: 100 W. 5th Street  
Address 2: Suite 450  
City: Tulsa State: OK Zip: 74103 + 4254  
Contact Person: G.M. Canaday  
Phone: ( 918 ) 587-6363  
CONTRACTOR: License # 5822  
Name: Val Energy, Inc.  
Wellsite Geologist: Kevin Kessler  
Purchaser: NCRA

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  
 Gas  ENHR  SIGW  
 CM (Coal Bed Methane)  Temp. Abd.  
 Dry  Other  
(Core, WSW, Expl., Cathodic, 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: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled Docket No.: \_\_\_\_\_  
 Dual Completion Docket No.: \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No.: \_\_\_\_\_  
05/28/2010 06/07/2010 09/20/2010  
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 191-22236-00-00  
Spot Description: \_\_\_\_\_  
SW SW SW NE Sec. 22 Twp. 19 S. R. 27  East  West  
2,426 Feet from  North /  South Line of Section  
2,633 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: LANE  
Lease Name: Habiger Well #: 1-22  
Field Name: Wildcat  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 2691 Kelly Bushing: 2696  
Total Depth: 4700 Plug Back Total Depth: 4522  
Amount of Surface Pipe Set and Cemented at: 305' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2,147 Feet  
If Alternate II completion, cement circulated from: 2,147  
feet depth to: Surface w/ 225 sx cmt.

Drilling Fluid Management Plan ARTI 179-2810  
(Data must be collected from the Reserve Pit)  
Chloride content: 3300 ppm Fluid volume: 1000 bbls  
Dewatering method used: Allow to dry  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]  
Title: President Date: 09/20/2010

Subscribed and sworn to before me this 20th day of September

20 10  
Notary Public: [Signature]  
Date Commission Expires: February 2012  
Notary Public Oklahoma  
OFFICIAL SEAL  
JO ANN ARCHERD  
Pawnee County  
01689 Exp. 2-8-12

KCC Office Use ONLY  
 Letter of Confidentiality Received 9/20/10 - 9/20/12  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
RECEIVED  
SEP 23 2010

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Operator Name: Mid-Continent Energy Operating Company Lease Name: Habiger Well #: 1-22  
 Sec. 22 Twp. 19 S. R. 27  East  West County: LANE

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**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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3944	-1248
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3989	-1293
List All E. Logs Run:		Stark	4254	-1558
CBL, DIL, CDNL		Pleasanton	4350	-1654
MicroLog, SonicLog, GeoLog		Labette	4506	-1810
		Cherokee	4538	-1842
		Mississippi	4622	-1926

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
Surface	12-1/4	8-5/8	23	305	Common	185	3% CC + 2% gel
Production	7-7/8	4-1/2	10.5	4678	EA-2	180	1/4# floeal, 1/2% CFR-1
							10% salt, 5% Calseal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2,147	SMD	225	1/4# Floeal/sx

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	4587 - 93' CIFP @ 4,522	500 gal. 15% NEFE Acid Dump 1 sx cmt	
4	4263 - 67'		

TUBING RECORD:		Size: <u>2-3/8"</u>	Set At: <u>4,229'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>09/20/2010</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. <u>14</u>	Gas Mcf	Water Bbls. <u>78</u>	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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>RECEIVED</u>
---	--	---

# ALLIED CEMENTING CO., LLC. 038860

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Dickinson, KS

DATE <u>9/27/10</u>	SEC <u>22</u>	TWP. <u>19</u>	RANGE <u>27</u>	CALLED OUT	ON LOCATION <u>1:00 pm</u>	JOB START <u>4:30 pm</u>	JOB FINISH <u>9:00 pm</u>
LEASE <u>Hobiger</u>	WELL # <u>1-22</u>	LOCATION <u>Bighton 9W to Turkeybeddave</u>	COUNTY <u>KS</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one)		<u>Ad 6 S 1 E 12 S w120</u>					

CONTRACTOR Val 4  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 305'  
 CASING SIZE 8 7/8 DEPTH 305'  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15  
 PERFS.  
 DISPLACEMENT 18.473 BBL/H2O

OWNER Same  
 CEMENT  
 AMOUNT ORDERED 185 SKs Con 370 cu  
220 gal

EQUIPMENT  
 PUMP TRUCK CEMENTER Alan  
 # 422 HELPER Terry  
 BULK TRUCK  
 # 347 DRIVER Darren  
 BULK TRUCK  
 # DRIVER

COMMON	<u>185</u>	@	<u>13.65</u>	<u>2525.25</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>20.50</u>	<u>81.00</u>
CHLORIDE	<u>7</u>	@	<u>57.15</u>	<u>400.05</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>196 SKs</u>	@	<u>2.40</u>	<u>470.40</u>
MILEAGE	<u>10.25/mile</u>			<u>490.00</u>
TOTAL				<u>3967.30</u>

REMARKS:  
Cement did Circulate

CHARGE TO: Mid Continent  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE  
 DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE 999.00  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE 25 @ 7.00 175.00  
 MANIFOLD @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 TOTAL 1174.00

To Allied Cementing Co., 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 \_\_\_\_\_  
 SIGNATURE [Signature]

PLUG & FLOAT EQUIPMENT  
2 5/8 phy - wood @ 67.00  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 TOTAL 67.00

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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CHARGE TO: MTA CONTINENT ENERGY Tulsa  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

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TICKET  
 18559

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City, KS</u>	WELL/PROJECT NO. <u>1-22</u>	LEASE <u>HARTIGER</u>	COUNTY/PARISH <u>LANE</u>	STATE <u>Ks</u>	CITY	DATE <u>6-18-10</u>	OWNER <u>SAME</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>CHEYENNE WELL SERVICE</u>	RIG NAME/NO.	SHIPPED <u>via</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>COMBAT PORT COLLAR</u>	WELL PERMIT NO.	WELL LOCATION <u>Altona, Ks - 6s, 1E, 1/2s, W</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE # 110	40		ME		5.00	200.00	
576A		1			PUMP CHARGE	1		JOB		1100.00	1100.00	
105		1			PORT COLLAR OPERATING TOOL	1		JOB		300.00	300.00	
330	KCC SEP 20 2010 CONFIDENTIAL	1			SWIFT MULTI-DROPT STAPLER	225		S/P		15.00	3375.00	
276		1			FLORES	75		lbs		1.50	112.50	
290		1			D-APP	2		gal		35.00	70.00	
581		1			SEARCH CHARGE COMBAT	300		S/S		1.50	450.00	
583		1			DAMAGE	29955		lbs	599.1	1.00	599.10	

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X  
 DATE SIGNED 6-18-10 TIME SIGNED 1:30  A.M.  P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	6206.60
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	6411.05

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR Wade Wason APPROVAL [Signature]

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 6-18-10 PAGE NO. 17

CUSTOMER: **MACONQUEST ENERGY** WELL NO.: **1-22** LEASE: **NABIGER** JOB TYPE: **CEMENT PORT COLLAR** TICKET NO.: **18559**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							ON LOCATION KCC SEP 20 2010 RECEIVED SEP 22 2010 KCC WICHITA
								2 3/8 x 4 1/2 PORT COLLAR = 2147 CONFIDENTIAL
	1350				✓		1000	PSI TEST CEMENT - HELD
	1355	3	2	✓		300		OPEN PORT COLLAR - INT DATE
	1400	5	125	✓		400		MAX CEMENT 225 SKS SMD = 11.2 MG
	1425	4 1/2	7 1/2	✓		600		WASH OUT PUMP - DISPLACE CEMENT
	1435			✓		1000		CLOSE PORT COLLAR - PSI TEST - HELD CIRCULATED 20 SKS CEMENT TO POT
	1450	4	25	✓		450		RUN 4 JTS - CIRCULATE CLEAN WASH TRUCK PULL TOOL
	1530							JOB COMPLETE  THANK YOU WAYNE ROGUE B. LAW



CHARGE TO: Mid Continent Energy  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

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 TICKET 18528  
 PAGE 1 OF 2

SERVICE LOCATIONS  
 1. Ness City KS WELL/PROJECT NO. 1-22 LEASE Habiger COUNTY/PARISH Lab Lane STATE KS CITY Ness City DATE 6-8-10 OWNER  
 2. TICKET TYPE  SERVICE  SALES CONTRACTOR Vac 1 Drlg. Co. RIG NAME/NO. 4 SHIPPED VIA DELIVERED TO Alamota ORDER NO.  
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Cement 4 1/2" Casing WELL PERMIT NO. WELL LOCATION Alamota 55, 16, 1/2 S W 1/4  
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
575		1			MILEAGE Trk # 114	35	mi	5	00	175.00	
578		1			Pump Charge <del>for</del> <sup>Longstr</sup>	1	ea	1400	00	1400.00	
221		1			liquid KCL	2	gal	25	00	50.00	
281		1			Mud flush	500	gal	1	00	500.00	
402		1			Centralizer	12	ea	4 1/2"	50	00	600.00
403		1			Cement Basket	2	ea	4 1/2"	200	00	400.00
404		1			Port Collar	1	ea	4 1/2"	1900	00	1900.00
406		1			Latch Down Plug + Baffle	1	ea	4 1/2"	200	00	200.00
407		1			Insert Float Shoe w/ Auto fill	1	ea	4 1/2"	250	00	250.00
419		1			Rotating Head Rental	1	ea	4 1/2"	150	00	150.00

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

Steve Riderour  
 SIGNED 6-8-10 TIME SIGNED 1200  A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				5625.00
WE UNDERSTOOD AND MET YOUR NEEDS?				Page #2 4029.88
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal 9654.88
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX Lane 5.3% 393.00
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL 10,047.88
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 18528

CUSTOMER Mid Continent Energy WELL Habiger 1-22 DATE 6-8-10 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
325		1				Standard Cement	200	sk			12 <sup>00</sup>	2400 <sup>00</sup>
276		1				Floccle	50	lbs			1 <sup>50</sup>	75 <sup>00</sup>
283		1				Salt	1000	lbs			0 <sup>15</sup>	150 <sup>00</sup>
284		1				Calseal	9	sk			30 <sup>00</sup>	270 <sup>00</sup>
285		1				CFR-1	100	lbs			4 <sup>00</sup>	400 <sup>00</sup>
290		1				D-Air	2	gal			35 <sup>00</sup>	70 <sup>00</sup>
581		1				SERVICE CHARGE					1 <sup>50</sup>	300 <sup>00</sup>
83						MILEAGE CHARGE		TOTAL WEIGHT	LOADED MILES	TON MILES	1 <sup>00</sup>	364 <sup>88</sup>

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CONTINUATION TOTAL 4029.88

WELL NO. 1-22 LEASE Habigger JOB TYPE Cement 4 1/2" Casing TICKET NO. 18528

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							On Location 4 1/2" 10.5 # cont. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 TD-4701' 59, 61 TP-4675' Basket-11, 60 PS-4675' PC #60 2146' ST-41
	0230							Start 4 1/2" Casing
	445							Break Circulation
	0530	6 3/4	32	✓		200		Pump 500 Gal Mud flush + 20 bbl KCL flush
	0535	3	7	✓				Plug Rat Hole 30 sks
	0540	3	5	✓				Plug Mouse Hole 20 sks
	0545	4 1/2		✓		200		Start Cement 150 sks @ 15.5 pps
			36					- Shut Down - Release Plug - Wash Pump Lines
	0605	6 3/4		✓		200		Start Displacement
		6 3/4	53	✓		300		Lift + Cement
						750		Max Lift
	0615		73.6			1500		Land Plug - Release - Helic Wash Truck
	0700							Job Complete Thank you Brett, Dave + Jason

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**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (620) 653-7550 • (800) 542-7313

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Company Mid-Continent Energy Operating Co. Lease & Well No. Habiger No. 1-22  
 Elevation 2696 KB Formation Lansing 160' Zone Effective Pay -- Ft. Ticket No. 2666  
 Date 6-1-10 Sec. 22 Twp. 19S Range 27W County Lane State Kansas  
 Test Approved By Kevin L. Kessler Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 4,180 ft. to 4,220 ft. Total Depth 4,220 ft.  
 Packer Depth 4,175 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 4,180 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,161 ft. Recorder Number 1150 Cap. 5,000 psi  
 Bottom Recorder Depth (Outside) 4,217 ft. Recorder Number 3815 Cap. 5,700 psi  
 Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.  
 Mud Type Chemical Viscosity 55 Weight Pipe Length -- ft. I.D. -- in.  
 Weight 9.3 Water Loss 9.6 cc. Drill Pipe Length 4,147 ft. I.D. 3 1/2 in.  
 Chlorides 4,200 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Sterling Serial Number 3 Anchor Length 40 ft. Size 4 1/2 - FH in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 1/8 in., blow increasing to 1/2 in.; decreasing in 14 mins. Died in 26 mins. No blow back during shut-in.  
 2nd Open: No blow. No blow back during shut-in.

Recovered 15 ft. of drilling mud with good oil specks = .213450 bbls.  
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of           
 Remarks Tool Sample Grind Out: 100%-drilling mud with good gassy odor & good oil spots

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Time Set Packer(s) 10:43 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 12:43 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 121°  
 Initial Hydrostatic Pressure ..... (A) 2032 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 6 P.S.I. to (C) 11 P.S.I.  
 Initial Closed In Period ..... Minutes 30 (D) 959 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 14 P.S.I. to (F) 22 P.S.I.  
 Final Closed In Period ..... Minutes 30 (G) 917 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2031 P.S.I.

# Diamond Testing

## General information Report

### General Information

Company Name MID-CONTINENT ENERGY OPERATING CO  
Contact RICHARD SAENZ  
Well Name HABIGER #1-22 Job Number  
Unique Well ID DST #1 LANS 160' 4,180' - 4,220' Representative ROGER D. FRIEDLY  
Surface Location SEC 22-19S-27W LANE COUNTY KS Well Operator MID-CONTINENT ENERGY OPERATING CO  
Well License Number Report Date 2010/06/02  
Field WILDCAT Prepared By ROGER D. FRIEDLY  
Well Type Vertical

Test Type CONVENTIONAL  
Formation DST #1 LANS 160' 4,180' - 4,220'  
Well Fluid Type 01 Oil Start Test Time 19:45:00  
Final Test Time 03:08:00  
Start Test Date 2010/06/01  
Final Test Date 2010/06/02  
Gauge Name 1150  
Gauge Serial Number

### Test Results

RECOVERED: 15' DM 100% MUD WITH GOOD OIL SPECKS THRU-OUT

TOOL SAMPLE: 100% DM GOOD GASSY ODOR, GOOD OIL SPOTS

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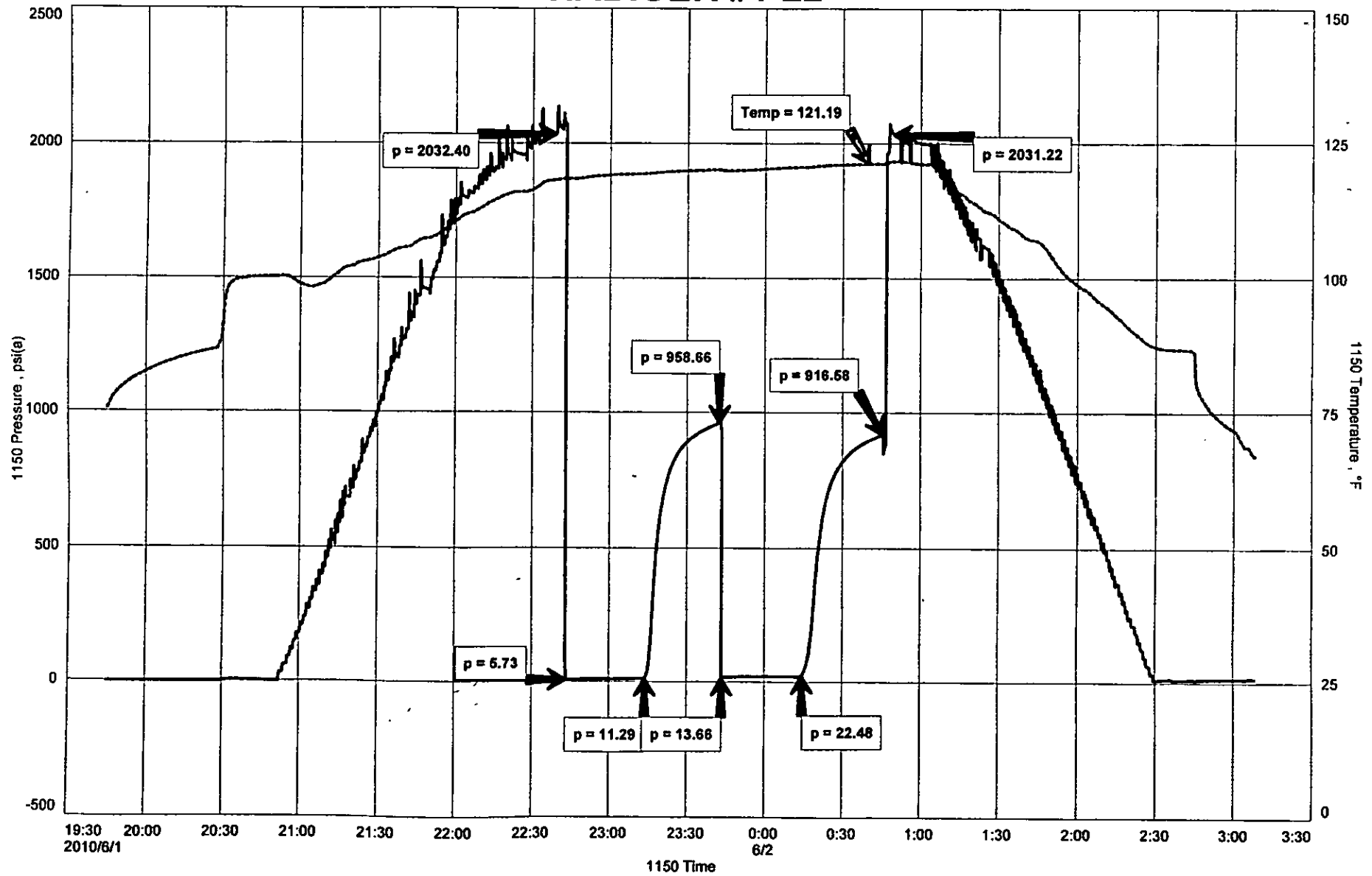
SEP 22 2010

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MID-CONTINENT ENERGY OPERATING CO  
DST #1 LANS 160' 4,180' - 4,220'  
Start Test Date: 2010/06/01  
Final Test Date: 2010/06/02

HABIGER #1-22  
Formation: DST #1 LANS 160' 4,180' - 4,220'

### HABIGER #1-22





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (620) 653-7550 • (800) 542-7313

Company Mid-Continent Energy Operating Co. Lease & Well No. Habiger No. 1-22  
 Elevation 2696 KB Formation Lansing 180' Zone Effective Pay -- Ft. Ticket No. 2667  
 Date 6-2-10 Sec. 22 Twp. 19S Range 27W County Lane State Kansas  
 Test Approved By Kevin L. Kessler Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 4,210 ft. to 4,250 ft. Total Depth 4,250 ft.  
 Packer Depth 4,205 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 4,210 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,191 ft. Recorder Number 1150 Cap. 5,000 psi  
 Bottom Recorder Depth (Outside) 4,247 ft. Recorder Number 3815 Cap. 5,700 psi  
 Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.  
 Mud Type Chemical Viscosity 49 Weight Pipe Length -- ft. I.D. -- in.  
 Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 4,177 ft. I.D. 3 1/2 in.  
 Chlorides 2,700 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Sterling Serial Number 3 Anchor Length 40 ft. Size 4 1/2 - FH in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 1/8 in., blow increasing to 2 1/2 ins. No blow back during shut-in.  
 2nd Open: Weak, surface blow increasing to 2 1/8 ins. No blow back during shut-in.

Recovered 60 ft. of gas in pipe  
 Recovered 1 ft. of clean oil = .014230 bbls. (Gravity: 39 @ 60°)  
 Recovered 49 ft. of oil cut watery mud = .697270 bbls. (Grind out: 2%-oil; 8%-water; 90%-mud) Chlorides: 16,500 Ppm  
 Recovered 50 ft. of TOTAL FLUID = .711500 bbls. 8.0 RW: .30 @ 58°  
 Recovered          ft. of           
 Remarks Tool Sample Grind Out: 4%-oil; 49%-water; 47%-mud

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Time Set Packer(s)	<u>1:08</u>	<u>XXM.</u> P.M.	Time Started Off Bottom	<u>5:23</u>	<u>XXM.</u> P.M.	Maximum Temperature	<u>119°</u>
Initial Hydrostatic Pressure			(A)	<u>2053</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>7</u>	P.S.I. to (C)	<u>17</u>	P.S.I.
Initial Closed In Period	Minutes	<u>75</u>	(D)	<u>1034</u>	P.S.I.		
Final Flow Period	Minutes	<u>60</u>	(E)	<u>20</u>	P.S.I. to (F)	<u>31</u>	P.S.I.
Final Closed In Period	Minutes	<u>90</u>	(G)	<u>1012</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>2053</u>	P.S.I.		

# Diamond Testing

Page 2 of 2 Pages  
General information Report

## General Information

Company Name MID-CONTINENT ENERGY OPER. CO.

Contact	RICHARD SAENZ	Job Number	
Well Name	HABIGER #1-22	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #2 LANS 180' 4,210' - 4,250'	Well Operator	MID-CONTINENT ENERGY OPER. CO
Surface Location	SEC 22-19S-27W LANE COUNTY, KS	Report Date	2010/06/02
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #2 LANS 180' 4,210' - 4,250'		
Well Fluid Type	01 Oil	Start Test Time	11:00:00
		Final Test Time	20:14:00
Start Test Date	2010/06/02		
Final Test Date	2010/06/02		
Gauge Name	1150		
Gauge Serial Number			

## Test Results

RECOVERED: 60' GAS IN PIPE  
1' CLEAN OIL 39 GRAVITY @ 60 deg  
49' OCWM 2% OIOL, 8% WTR, 90% MUD  
50' TOTAL FLUID

TOOL SAMPLE: 4% OIL, 49% WTR, 47% MUD

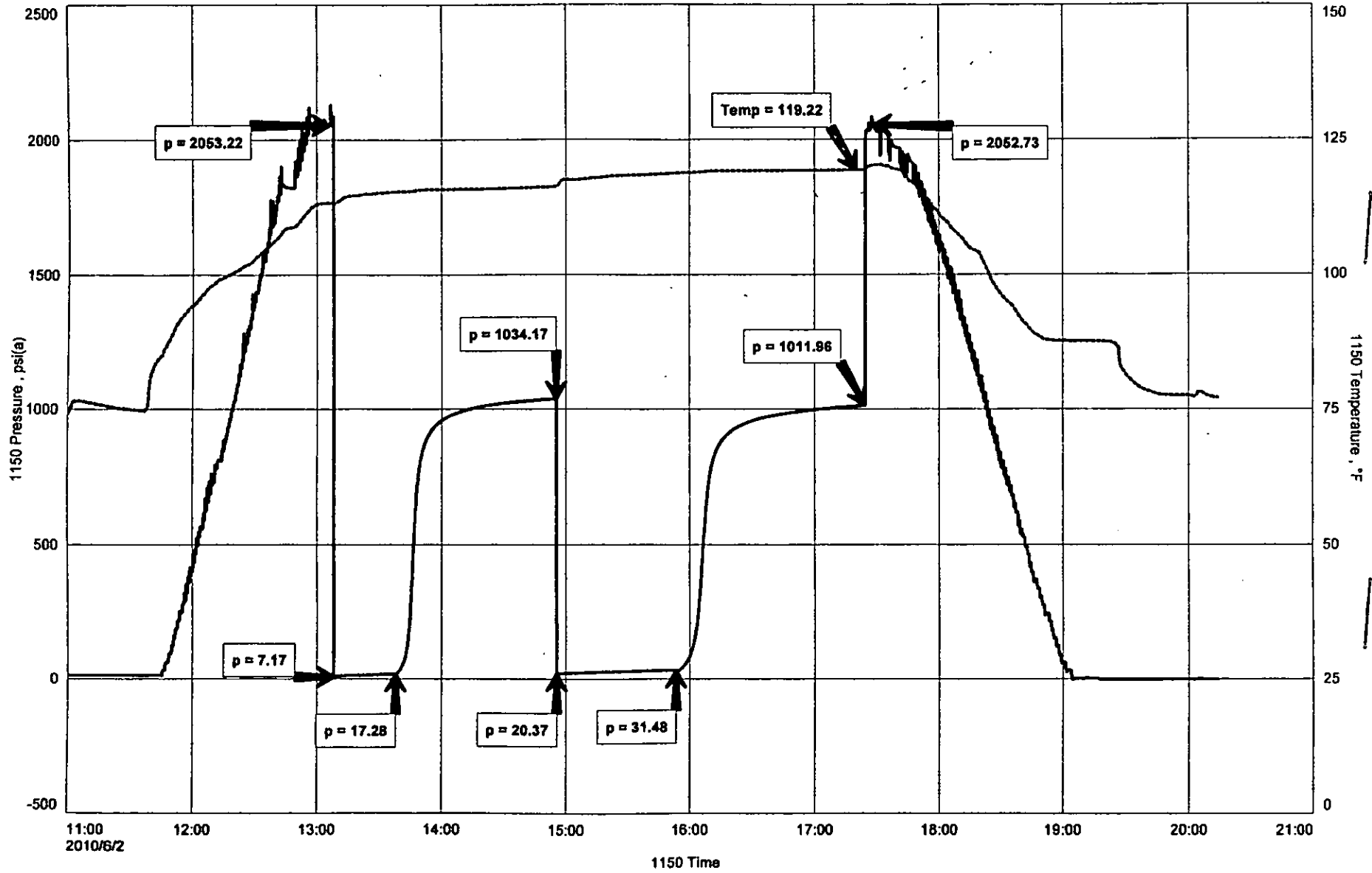
CHLORIDES: 16,500 Ppm  
PH: 8.0  
RW: .30 @ 58 deg.

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MID-CONTINENT ENERGY OPER. CO.  
 DST #2 LANS 180' 4,210' - 4,250'  
 Start Test Date: 2010/06/02  
 Final Test Date: 2010/06/02

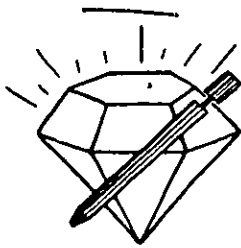
HABIGER #1-22  
 Formation: DST #2 LANS 180' 4,210' - 4,250'

# HABIGER #1-22



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Company Mid-Continent Energy Operating Co. Lease & Well No. Habiger No. 1-22  
Elevation 2696 KB Formation Lansing 200' Zone Effective Pay -- Ft. Ticket No. 2668  
Date 6-3-10 Sec. 22 Twp. 19S Range 27W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 4,245 ft. to 4,280 ft. Total Depth 4,280 ft.

Packer Depth 4,240 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,245 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 4,226 ft. Recorder Number 1150 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,277 ft. Recorder Number 3815 Cap. 5,700 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar-Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 52 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 4,212 ft. I.D. 3 1/2 in.

Chlorides 2,700 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 3 Anchor Length 35 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 45 secs. 2 in. blow back during shut-in.  
2nd Open: Strong blow. Off bottom of bucket in 2 mins. Strong blow back off bottom of bucket during shut-in.

Recovered 1,919 ft. of gas in pipe  
Recovered 439 ft of clean oil = 6.246970 bbls. (Gravity: 37.6 @ 60°)  
Recovered 310 ft. of gas & oil cut watery mud = 4.411300 bbls. (Grind out: 8%-gas; 74%-oil; 8%-water; 10%-mud)  
Recovered 62 ft of gas & oil cut watery mud = .882260 bbls. (Grind out: 18%-gas; 44%-oil; 35%-water; 3%-mud)  
Recovered 124 ft. of gas & oil cut watery mud = 1.764520 bbls. (Grind out: 30%-gas; 22%-oil; 45%-water; 3%-mud)  
Recovered 372 ft of muddy water with a scum of oil = 5.293560 bbls. (Grind out: 4%-mud; 96%-water)  
Recovered 1,054 ft. of salt water = 14.998420 bbls. (Grind out: 100%-water) Chlorides: 66,000 Ppm PH: 7.0

Recovered 2,361 ft. of TOTAL FLUID = 33.597030 bbls. RW: .08 @ 68°

Remarks Tool Sample Grind Out: 8%-oil; 92%-water

Time Set Packer(s)	<u>6:22</u>	A.M. <u>RXX</u>	Time Started Off Bottom	<u>10:37</u>	A.M. <u>PXX</u>	Maximum Temperature	<u>129°</u>
Initial Hydrostatic Pressure	(A)	<u>2067</u>		<u>P.S.I.</u>			
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>245</u>	P.S.I. to (C)	<u>958</u>	P.S.I.
Initial Closed In Period	Minutes	<u>75</u>	(D)	<u>1044</u>	P.S.I.		
Final Flow Period	Minutes	<u>60</u>	(E)	<u>967</u>	P.S.I. to (F)	<u>1045</u>	P.S.I.
Final Closed In Period	Minutes	<u>90</u>	(G)	<u>1047</u>	P.S.I.		
Final Hydrostatic Pressure	(H)	<u>2068</u>		<u>P.S.I.</u>			

# Diamond Testing

Page 2 of 2 Pages  
General information Report

## General Information

Company Name MID-CONTINENT ENERGY OPERATING CO

Contact	RICHARD SAENZ	Job Number	
Well Name	HABIGER #1-22	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #3 LANS 200' 4,245' - 4,280'	Well Operator	MID-CONTINENT ENERGY OPERATING CO.
Surface Location	SEC 22-19S-27W LANE COUNTY, KS	Report Date	2010/06/03
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #3 LANS 200' 4,245' - 4,280'		
Well Fluid Type	01 Oil	Start Test Time	04:15:00
		Final Test Time	15:44:00
Start Test Date	2010/06/03		
Final Test Date	2010/06/03		
Gauge Name	1150		
Gauge Serial Number			

## Test Results

RECOVERED: 1,919' GAS IN PIPE  
439' CLEAN OIL 37.6 GRAVITY @ 60 deg  
310' G&OCWM 8% GAS, 74% OIL, 8% WTR, 10% MUD  
62' G&OCWM 18% GAS, 44% OIL, 35% WTR, 3% MUD  
124' G&OCWM 30% GAS, 22% OIL, 45% WTR 3% MUD  
372' MW 4% MUD, 96% WTR - SCUM OF OIL  
1,054' SW 100% WTR  
2,361' TOTAL FLUID

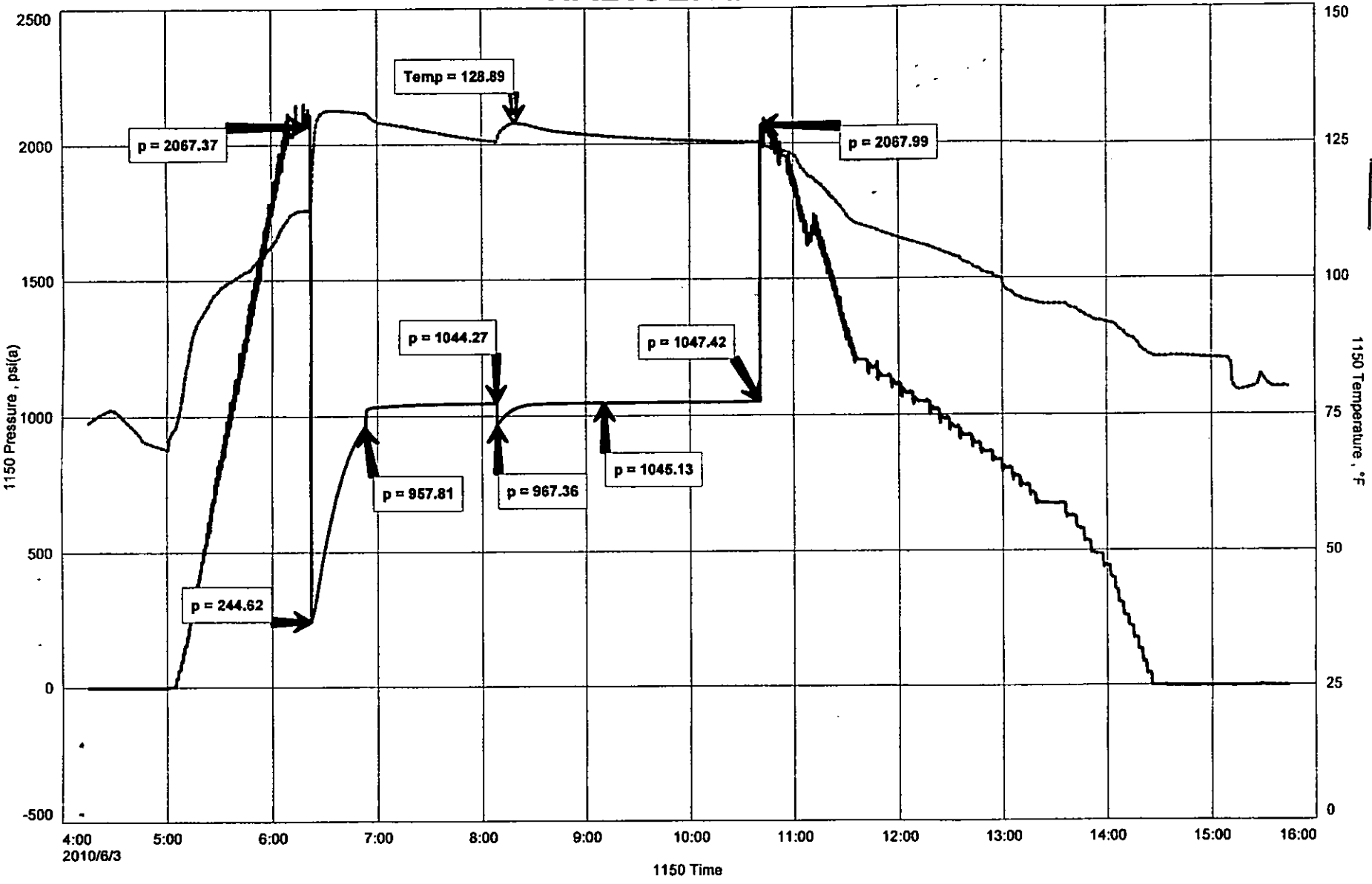
TOOL SAMPLE: 8% OIL, 92% WTR

CHLORIDES: 66,000 Ppm  
PH: 7.0  
RW: .08 @ 68%

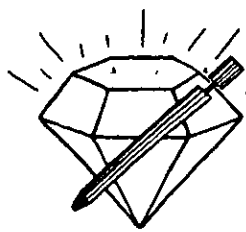
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# HABIGER #1-22



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Company Mid-Continent Energy Operating Co. Lease & Well No. Habiger No. 1-22  
Elevation 2696 KB Formation Lansing 200' Zone Effective Pay      Ft. Ticket No. 2669  
Date 6-4-10 Sec. 22 Twp. 19S Range 27W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Roger D. Friedly

Formation Test No. 4 Interval Tested from 4,280 ft. to 4,335 ft. Total Depth 4,335 ft.

Packer Depth 4,275 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Packer Depth 4,280 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,261 ft. Recorder Number 1150 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,332 ft. Recorder Number 3815 Cap. 5,700 psi

Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length      ft. I.D.      in.

Mud Type Chemical Viscosity 55 Weight Pipe Length      ft. I.D.      in.

Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 4,247 ft. I.D. 3 1/2 in.

Chlorides 2,700 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2 - IE in.

Jars: Make Sterling Serial Number 3 Anchor Length 24' perf. w/ 31' drill pipe Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 1/8 in., blow increasing to 1/2 in. Decreasing in 20 mins.; 1/8 in. at end. No blow back during shut-in.

2nd Open: Weak, surface blow throughout. No blow back during shut-in.

Recovered 15 ft. of watery mud = .213450 bbls. (Grind out: 40%-water; 60%-mud) Chlorides: 9,500 Ppm

Recovered      ft. of PH: 9.0 RW: .42 @ 70°

Recovered      ft. of

Recovered      ft. of

Remarks Tool Sample Grind Out: 20%-water; 80%-mud (Good gassy odor with a scum of oil)

Time Set Packer(s) 8:44 A.M. ~~P.M.~~ Time Started Off Bottom 10:44 A.M. ~~P.M.~~ Maximum Temperature 118°

Initial Hydrostatic Pressure (A) 2072 P.S.I.

Initial Flow Period Minutes 30 (B) 7 P.S.I. to (C) 15 P.S.I.

Initial Closed In Period Minutes 30 (D) 988 P.S.I.

Final Flow Period Minutes 30 (E) 16 P.S.I. to (F) 25 P.S.I.

Final Closed In Period Minutes 30 (G) 944 P.S.I.

Final Hydrostatic Pressure (H) 2071 P.S.I.

# Diamond Testing

Page 2 of 2 Pages  
General information Report

## General Information

Company Name MID-CONTINENT ENERGY OPERATING CO

Contact	RICHARD SAENZ	Job Number	
Well Name	HABIGER #1-22	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #4 LANS 220' 4,280' - 4,335'	Well Operator	MID-CONTINENT ENERGY OPERATING CO.
Surface Location	SEC 22-19S-27W LANE COUNTY, KS	Report Date	2010/06/04
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL	Start Test Time	05:40:00
Formation	DST #4 LANS 220' 4,280' - 4,335'	Final Test Time	13:30:00
Well Fluid Type	06 Water		
Start Test Date	2010/06/04		
Final Test Date	2010/06/04		
Gauge Name	1150		
Gauge Serial Number			

## Test Results

RECOVERED: 15' WM 40% WTR, 60% MUD

TOOL SAMPLE: 20% WTR, 80% MUD, SCUM OF OIL

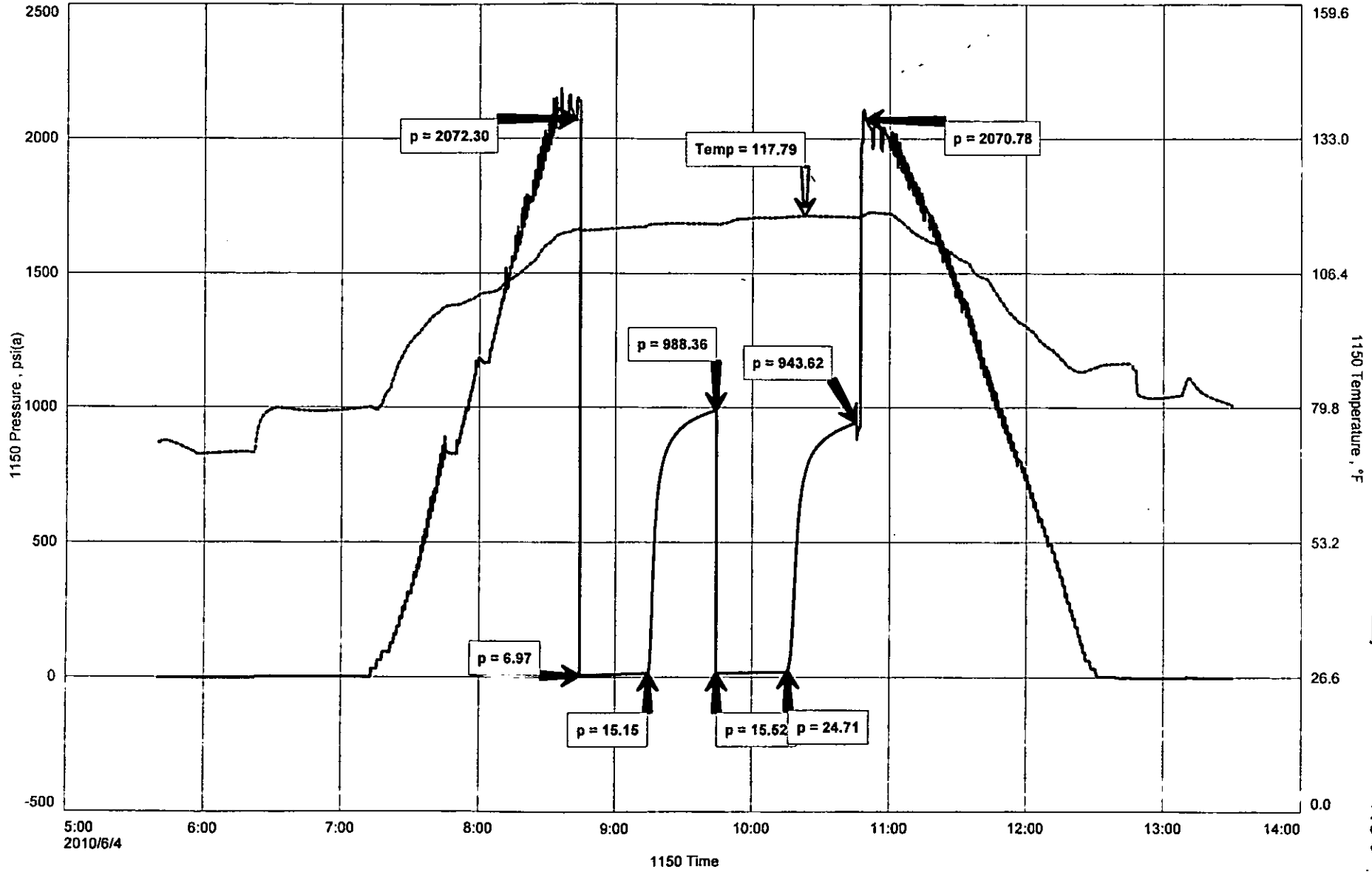
CHLORIDES: 9,500  
PH: 9.0  
RW: .42 @ 70 deg

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MID-CONTINENT ENERGY OPERATING CO  
 DST #4 LANS 220' 4,280' - 4,335'  
 Start Test Date: 2010/06/04  
 Final Test Date: 2010/06/04

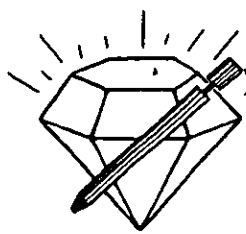
HABIGER #1-22  
 Formation: DST #4 LANS 220' 4,280' - 4,335'

# HABIGER #1-22



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Company Mid-Continent Energy Operating Co. Lease & Well No. Habiger No. 1-22  
Elevation 2696 KB Formation Pleasanton Effective Pay -- Ft. Ticket No. 2670  
Date 6-5-10 Sec. 22 Twp. 19S Range 27W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Roger D. Friedly

Formation Test No. 5 Interval Tested from 4,330 ft. to 4,365 ft. Total Depth 4,365 ft.  
Packer Depth 4,325 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,362 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,311 ft. Recorder Number 1150 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,362 ft. Recorder Number 3815 Cap. 5,700 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.  
Mud Type Chemical Viscosity 50 Weight Pipe Length -- ft. I.D. -- in.  
Weight 8.9 Water Loss 10.0 cc. Drill Pipe Length 4,297 ft. I.D. 3 1/2 in.  
Chlorides 2,100 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2 - JF in.  
Jars: Make Sterling Serial Number 3 Anchor Length 35 ft. Size 4 1/2 - FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 1/8 in., blow decreasing. Died in 16 mins. No blow back during shut-in.  
2nd Open: No blow. No blow back during shut-in.

Recovered 2 ft. of drilling mud = .028460 bbls. (Grind out: 100%-mud)  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Remarks Tool Sample Grind Out: 100%-drilling mud

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Time Set Packer(s) 12:55 A.M. Time Started Off Bottom 2:55 P.M. Maximum Temperature 119°  
Initial Hydrostatic Pressure          (A) 2085 P.S.I.  
Initial Flow Period          Minutes 30 (B) 6 P.S.I. to (C) 6 P.S.I.  
Initial Closed In Period          Minutes 30 (D) 12 P.S.I.  
Final Flow Period          Minutes 30 (E) 6 P.S.I. to (F) 6 P.S.I.  
Final Closed In Period          Minutes 30 (G) 9 P.S.I.  
Final Hydrostatic Pressure          (H) 2083 P.S.I.

# Diamond Testing

Page 2 of 2 Pages

## General information Report

### General Information

Company Name	MID-CONTINENT ENERGY OPERATING CO.		
Contact	RICHARD SAENZ		
Well Name	HABIGER #1-22		
Unique Well ID	DST #5 PLEAS. 4,330' - 4,365'		
Surface Location	SECC 22-19S-27W LANE COUNTY, KS		
Well License Number			
Field	WILDCAT		
Well Type	Vertical		
Job Number			
Representative	ROGER D. FRIEDLY		
Well Operator	MID-CONTINENT ENERGY OPERATING CO.		
Report Date	2010/06/05		
Prepared By	ROGER D. FRIEDLY		
Test Type	CONVENTIONAL		
Formation	DST #5 PLEAS. 4,330' - 4,365'		
Well Fluid Type	01 Oil		
Start Test Time	22:50:00		
Final Test Time	05:08:00		
Start Test Date	2010/06/04		
Final Test Date	2010/06/05		
Gauge Name	1150		
Gauge Serial Number			

### Test Results

RECOVERED: 2' DM 100% MUD

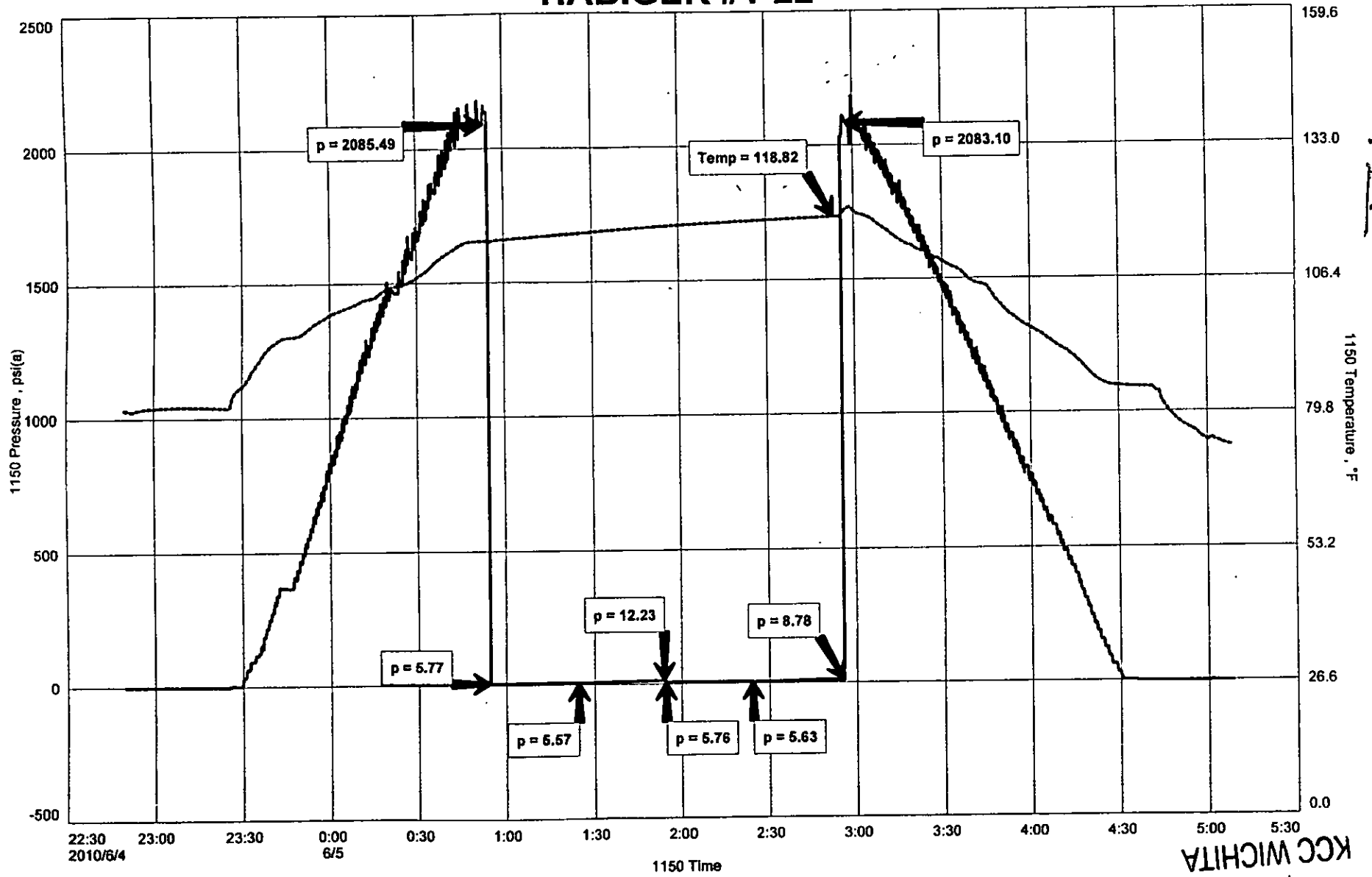
TOOL SAMPLE: 100% DM

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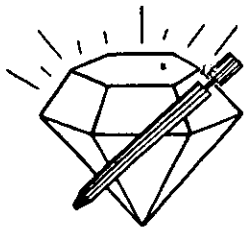
MID-CONTINENT ENERGY OPERATING CO.  
 DST #5 PLEAS. 4,330' - 4,365'  
 Start Test Date: 2010/06/04  
 Final Test Date: 2010/06/05

HABIGER #1-22  
 Formation: DST #5 PLEAS. 4,330' - 4,365'

# HABIGER #1-22



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Company Mid-Continent Energy Operating Co. Lease & Well No. Habiger No. 1-22

Elevation 2696 KB Formation Fort Scott Effective Pay -- Ft. Ticket No. 2671

Date 6-6-10 Sec. 22 Twp. 19S Range 27W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Roger D. Friedly

Formation Test No. 6 Interval Tested from 4,500 ft. to 4,535 ft. Total Depth 4,535 ft.

Packer Depth 4,495 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,500 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,481 ft. Recorder Number 1150 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,532 ft. Recorder Number 3815 Cap. 5,700 psi

Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 51 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 10.4 cc. Drill Pipe Length 4,467 ft. I.D. 3 1/2 in.

Chlorides 4,300 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 3 Anchor Length 35 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 1/8 in., blow increasing to 1/4 in. Decreasing in 8 mins. Died in 24 mins. No blow back during shut-in.

2nd Open: No blow. No blow back during shut-in.

Recovered 1 ft. of drilling mud = .014230 bbls. (Grind out: 100%-mud)

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Remarks Tool Sample Grind Out: 100%-drilling mud with a few oil specks

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Time Set Packer(s) 5:40 ~~XXX~~ A.M. Time Started Off Bottom 7:40 ~~XXX~~ A.M. Maximum Temperature 124°

Initial Hydrostatic Pressure ..... (A) 2223 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 6 P.S.I. to (C) 7 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 10 P.S.I.

Final Flow Period ..... Minutes 30 (E) 6 P.S.I. to (F) 6 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 7 P.S.I.

Final Hydrostatic Pressure ..... (H) 2222 P.S.I.



# Diamond Testing

Page 2 of 2 Pages  
General information Report

## General Information

Company Name MID-CONTINENT ENERGY OPERATING CO.

Contact	RICHARD SAENZ	Job Number	
Well Name	HABIGER #1-22	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #6 FT. SCOTT 4,500' - 4,535'	Well Operator	MID-CONTINENT ENERGY OPERATING CO.
Surface Location	SEC 22-19S-27W LANE COUNTY, KS	Report Date	2010/06/06
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #6 FT. SCOTT 4,500' - 4,535'		
Well Fluid Type	01 Oil	Start Test Time	03:40:00
		Final Test Time	10:08:00
Start Test Date	2010/06/06		
Final Test Date	2010/06/06		
Gauge Name	1150		
Gauge Serial Number			

## Test Results

RECOVERED: 1' DM 100% MUD

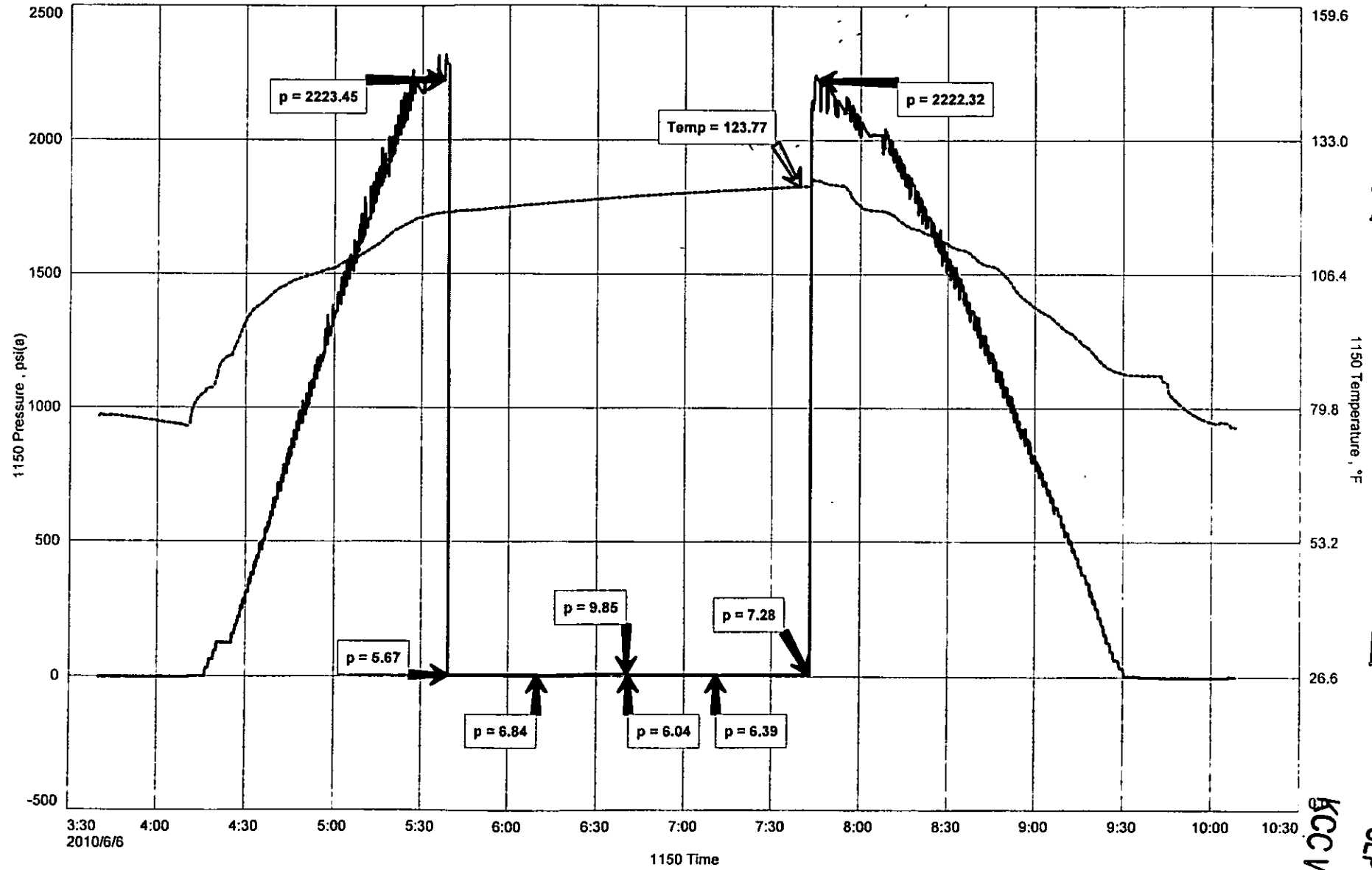
TOOL SAMPLE: 100% DM WITH FEW OIL SPECKS

RECEIVED  
SEP 22 2010  
KCC WICHITA

MID-CONTINENT ENERGY OPERATING CO.  
 DST #6 FT. SCOTT 4,500' - 4,535'  
 Start Test Date: 2010/06/06  
 Final Test Date: 2010/06/06

HABIGER #1-22  
 Formation: DST #6 FT. SCOTT 4,500' - 4,535'

# HABIGER #1-22



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