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OCT 01 2012

KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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 # 34655
Name: Bird Dog Oil, LLC
Address 1: 1801 Broadway, Ste.# 450
Address 2:
City: Denver State: CO Zip: 80202 +
Contact Person: Scott R. Stewart
Phone: (303) 534-1686
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: Justin Carter
Purchaser: United Petroleum Purchasers

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 #:

March 15, 2012 March 22, 2012 April 13, 2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 159-22683-00-00
Spot Description:
SE SW SW Sec. 14 Twp. 19 S. R. 10 East West
520 Feet from North / South Line of Section
1,170 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rice
Lease Name: Pioneer-Carter Well #: 1-14
Field Name: Chase-Silica
Producing Formation: Arbuckle
Elevation: Ground: 1748 Kelly Bushing: 1755
Total Depth: 3380 Plug Back Total Depth: 3349
Amount of Surface Pipe Set and Cemented at: 305 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 3380
feet depth to: 2400 w/ 225 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 10000 ppm Fluid volume: 720 bbls
Dewatering method used: Hauled Away/Fresh Water
Location of fluid disposal if hauled offsite:
Operator Name: Bob Oil Service
Lease Name: Sieker License #: 32408
Quarter NW Sec. 35 Twp. 19 S. R. 11 East West
County: Barton Permit #: D-26497

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.

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.

Signature: [Signature]
Title: Manager Date: 9/25/2012

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: [Signature] Date: 10/5/12

Operator Name: Bird Dog Oil, LLC Lease Name: Pioneer-Carter Well #: 1-14
 Sec. 14 Twp. 19 S. R. 10 East West County: Rice

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: DIL, MR, BHS, Por, Sonic	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>2807</td> <td>1051</td> </tr> <tr> <td>Douglas</td> <td>2839</td> <td>-1083</td> </tr> <tr> <td>Lansing</td> <td>2960</td> <td>-1201</td> </tr> <tr> <td>Base KC</td> <td>3220</td> <td>-1464</td> </tr> <tr> <td>Arbuckle</td> <td>3263</td> <td>-1507</td> </tr> </table>	Name	Top	Datum	Heebner	2807	1051	Douglas	2839	-1083	Lansing	2960	-1201	Base KC	3220	-1464	Arbuckle	3263	-1507
Name	Top	Datum																	
Heebner	2807	1051																	
Douglas	2839	-1083																	
Lansing	2960	-1201																	
Base KC	3220	-1464																	
Arbuckle	3263	-1507																	

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
Surface	12 1/4	8 5/8"	24#	305'	Common	225	3% CaCl, 2% Gel
Production	7 7/8	5 1/2	15.5#	3379	Econo Bond	175	60/40 4% Gel 2% CaCl

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 spf	3272-3782	500 Gal 15% Acetic Acid	3272-82'
4 spf	3268-3271	1750 Gal 15% MCA Ffe	3268-71'
6 spf	3272-3780	500 Gal 10% HCL MCA Ffe	3272-80'

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3346'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>April 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. <u>7</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3272-3280</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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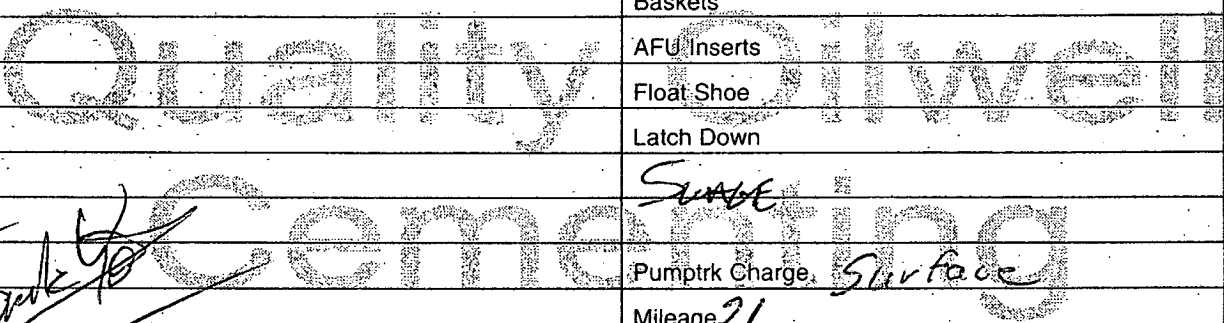
QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 474

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-15-12	14	19	10	Rice	Kansas		2:00 PM
Lease Pioneer Carter	Well No. 1-14		Location Ellinor 14E 341E				
Contractor Southern Drilling Rig 4				Owner To Quality Oilwell Cementing, Inc.			
Type Job Surface				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size 12 1/4		T.D. 305		Charge To Bird Dog Oil			
Csg. 8 5/8 23 lb		Depth 305		Street			
Tbg. Size		Depth		City			
Tool		Depth		State			
Cement Left in Csg. 10-15'		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace 18 1/2 Bbl		Cement Amount Ordered 225 Common Full Seal			
EQUIPMENT				1/16 Flo Seal per sk			
Pumptrk 5	No.	Cementer		Common 225			
		Helper	Steve				
Bulktrk 14	No.	Driver	Brad	Poz. Mix			
		Driver					
Bulktrk	No.	Driver	Louise	Gel. 4			
		Driver					
JOB SERVICES & REMARKS				Calcium 7			
Remarks:				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
DNV or Port Collar				CFL-117 or CD110 CAF 38			
				Sand			
Cement did Circulate				Handling 236			
				Mileage			
FLOAT EQUIPMENT							
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Sube			
				Pumptrk Charge Surface			
				Mileage 21			
X Signature Robert Stevenson				Tax			
				Discount			
				Total Charge			





BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

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FIELD SERVICE TICKET
1718 ~~5610~~BA

DATE _____ TICKET NO. _____

DATE OF JOB <u>3-23-12</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>Bird Dog Oil LLC</u>		LEASE <u>Pioneer Carter</u> WELL NO. <u>H14</u>							
ADDRESS		COUNTY <u>Rice 14-19-10</u> STATE <u>Kansas</u>							
CITY STATE		SERVICE CREW <u>Allen, Mike, Eric, McGraw</u>							
AUTHORIZED BY		JOB TYPE: <u>5 1/2" L.S.</u> <u>CRW</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>28443 P.U</u>	<u>1</u>					<u>3-23-12</u>	<u>12</u>	<u>PM</u>	<u>315</u>
<u>19903-19905</u>	<u>1</u>					ARRIVED AT JOB	<u>3-23-12</u>	<u>AM</u>	<u>845</u>
<u>19826-19860</u>	<u>1</u>					START OPERATION	<u>3-23-12</u>	<u>AM</u>	<u>130</u>
						FINISH OPERATION	<u>3-23-12</u>	<u>PM</u>	<u>230</u>
						RELEASED	<u>3-23-12</u>	<u>AM</u>	<u>700</u>
						MILES FROM STATION TO WELL <u>7.5 miles</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
CP104	50/50 Poz	SK	125		\$ 1375.00
CP103	60/40 Poz	SK	80		\$ 960.00
CC102	cell FLAKE	lb	32		\$ 118.40
CC113	Gypsum	lb	525		\$ 392.25
CC129	FLA-322	lb	53		\$ 397.50
CC201	Gilsonite	lb	625		\$ 418.76
CC00	KCL Potassium Chloride	lb	310		\$ 465.00
CF607	Latch down Plug & Baffle 5/8"	EA	1		\$ 400.00
CF1251	Auto Fill Float shoe 5/8" Blue	EA	1		\$ 360.00
CF1651	Turbolizer 5/8" Blue	EA	8		\$ 880.00
CF1901	5/8" Basket Blue	EA	1		\$ 290.00
CC704	Clamnet KCL Sub.	gal	4		\$ 140.00
CC151	mud Flush	gal	500		\$ 430.00

SUB TOTAL
DLS

CHEMICAL / ACID DATA:			

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

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

FIELD SERVICE ORDER NO. _____



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

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FIELD SERVICE TICKET
~~1718 05611A~~

DATE _____ TICKET NO. 056101AB

DATE OF JOB <u>3-23-12</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>Bird Dog Oil LLC</u>		LEASE <u>Pioneer-Carter</u> WELL NO. <u>1-14</u>	
ADDRESS _____		COUNTY <u>Rice 14-19-10</u> STATE <u>KANSAS</u>	
CITY _____ STATE _____		SERVICE CREW <u>Allen, Mike, Eric, McGraw</u>	
AUTHORIZED BY _____		JOB TYPE: <u>5 1/2' L.S.</u> <u>CNW</u>	

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
<u>28443 P.U.</u>	<u>1</u>						<u>3-22-12</u>	<u>PM</u>	<u>315</u>
<u>19903-19905</u>	<u>1</u>						<u>3-22-12</u>	<u>PM</u>	<u>545</u>
<u>19826-19860</u>	<u>1</u>						<u>3-23-12</u>	<u>AM</u>	<u>130</u>
							<u>3-23-12</u>	<u>PM</u>	<u>230</u>
							<u>3-23-12</u>	<u>PM</u>	<u>200</u>
						MILES FROM STATION TO WELL <u>75 miles</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
<u>E100</u>	<u>Unit mileage charge P.U.</u>	<u>mi</u>	<u>75</u>		<u>\$ 318.75</u>
<u>E101</u>	<u>Heavy Equip. Mileage charge</u>	<u>mi</u>	<u>150</u>		<u>\$ 1050.00</u>
<u>E113</u>	<u>Bulk Delivery Charge</u>	<u>TM</u>	<u>153</u>		<u>\$ 1044.00</u>
<u>CE204</u>	<u>Depth Charge 3001-4000</u>	<u>4hr</u>	<u>1</u>		<u>\$ 2160.00</u>
<u>CE240</u>	<u>Blending & mixing service chg</u>	<u>SK</u>	<u>205</u>		<u>\$ 2167.00</u>
<u>CE501</u>	<u>Casing "Swissol" Charge</u>	<u>EA</u>	<u>1</u>	<u>900.00</u>	<u>\$ 900.00</u>
<u>CE504</u>	<u>Plug container utilization chg.</u>	<u>Ton</u>	<u>1</u>		<u>\$ 250.00</u>
<u>S003</u>	<u>Service Supervisor first 8hrs</u>	<u>EA</u>	<u>1</u>		<u>\$ 175.00</u>

SUB TOTAL 9690.52
NLS

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Allen F. Weard THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: 7/10/03
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____



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TREATMENT REPORT

Customer Bird dog oil LLC	Lease No.	Date 3-23-12
Lease Pioneer-Carter	Well # 1-14	
Field Order # 05610A	Station Pratt KS	Casing, 5/2"
Type Job 5/2" L.S.	Depth 3378.70'	County Rice
	Formation T.O. 3380'	State KS
		Legal Description 14-19-10

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
5/2"		12		BB1 mud Flush			
Depth 3378.70'	Depth	From	To	Pre Pad SKS 60/40	Max POZ scavenge		5 Min. 12 #
Volume 80	Volume	From	To	Pad SKS 50/50	Min POZ 14 #		10 Min.
Max Press # 1500 #	Max Press	From	To	Frac SKS 60/40	Max N.H.		15 Min.
Well Connection PC	Annulus Vol.	From	To	SKS 60/40	HHP Used MH.		Annulus Pressure
Plug Depth 3356	Packer Depth	From	To	Flush Disp 2% KCL	Gas Volume		Total Load

Customer Representative Kelly Station Manager Scotty Treater Allen

Service Units	28443	19860	19905	19826	19860
Driver Names	Allen	Mike	Mathal	Eric Wright	Mike Mcbraw

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
845 pm					on loc. Discuss Safety, Setup Plan Job Rig Laying down Drill Pipe Lay Kelly down + Rig up to Run 5/2" csg
1105					Start 5/2 csg. 15.5" Shoe Joint-22.3' w/ Float Shoe, L.D. Baffle in collar cent-1-3-5-7-9-11-13-15-Basket pin #3
1230 AM					Tag @ 3380 Pickup + cir @ 3379'
140	200 #		12	5	Pump 12 BBLs mud Flush
			5	5	Pump 5 BBLs N ²⁰ spacer
			7	5	mix + Pump 30 SKS 60/40 POZ scavenge 1d #
			5	5	mix + Pump 125 SKS 50/50 POZ @ 14 #
			31		Finish mix, washout Pump + Line
200	500 #				6 1/2 Drop L.D. Plug. Start Disp. caught Lift w/ 55 out
215	1500 #		80	2	Plug down. - Last 10 BBL, 2-BPM
			7		Plug R.H. w/ 30 SKS 60/40 POZ 2% gel
			5		Plug MH w/ 20 SKS 60/40 POZ 2% gel
					washup Equip + Rickup.
300					Job Complete. + thanks Allen, Mike Eric, Mcbraw

JUSTIN D. CARTER
CONSULTING GEOLOGIST

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Scale 1:240 (5"=100') Imperial
Measured Depth Log

KCC WICHITA

Well Name: PIONEER-CARTER #1-14
Location: SE, SW, SW Sec. 14 - 19S - 10W Rice Co., KS
License Number: 15-159-22683-0000
Spud Date: 03/15/12
Surface Coordinates: 520' FSL & 1170' FWL
Region: Chase-Silica
Drilling Completed: 03/22/12

Bottom Hole Coordinates:

Ground Elevation (ft): 1748' K.B. Elevation (ft): 1756'
Logged Interval (ft): 2600' To: 3380' Total Depth (ft): 3380'
Formation: DOUGLAS, L/KC, ARBUCKLE
Type of Drilling Fluid: Chemical Mud

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: BIRD DOG OIL, LLC
Address: 1801 Broadway, Ste. #450
Denver, CO 80202
Co. Rep.: Mr. Scott Stewart

GEOLOGIST

Name: Justin D. Carter
Company: Justin D. Carter, Geologist
Address: 5945 Westridge Dr.
Great Bend, KS 67530
Home: 620-603-6399, Cell: 620-655-1187

COMMENTS

Drilling Contractor: Southwind Drilling Rig #4
Tool Pusher: Robert Stevenson

8 5/8" surface casing set at 305'
5 1/2" production casing set at 3378'

Mud: Mudco
Engineer: Rick Hughes

Gas Detector: Earth Tech OGL, Inc.

Testing: Superior Testers
Tester: Ken Swinney

Open-Hole Loggers: Log Tech

DST #1

**2838' - 2904' DOUGLAS SAND
20-60-45-90**

**IF: WK BLOW, BUILT TO 3"
ISI: NO BB
FF: FR BLOW, BUILT TO 13"
FSI: NO BB**

**IF: 58-61
FF: 62-70
SIP: 202-187
IH: 1366
FH: 1350**

**RECOVERY 30' TOTAL
30' OCM (85% MUD, 15% OIL)
150' GIP**

BHT: 100 DEG

DST #2

3240' - 3271' ARBUCKLE

MISRUN/PACKER FAILURE

DST #3

**3216' - 3271' ARBUCKLE
15-30-45-60**

**IF: FR BLOW, BUILT TO 6"
ISI: SURFACE BB
FF: GD BLOW, BUILT TO BOB 30 MIN.
FSI: 6" BB**

**IF: 55-69
FF: 73-100
SIP: 1032-1024
IH: 1651
FH: 1587**

**RECOVERY 130' TOTAL
10' GCMO (58% OIL, 40% MUD, 2% GAS)
60' OGM (50% MUD, 30% GAS, 20% OIL)
60' MCOG (70% GAS, 15% OIL, 15% MUD)
290' GIP**

BHT: 111 DEG

DST #4

3270' - 3277' ARBUCKLE
15-30-30-60

IF: GD BLOW, BOB 6 MIN.
ISI: 4 1/2" BB
FF: STRNG BLOW, BOB 3 MIN.
FSI: 5" BB

IF: 35-68
FF: 71-95
SIP: 982-961
IH: 1586
FH: 1561

RECOVERY 190' TOTAL
130' GSSYO (10% GAS, 90% OIL) (GRAV=48 DEG)
60' O&GMW (25% GAS, 25% OIL, 25% WATER, 25% MUD)
830' GIP

BHT: 100 DEG
CHL: 5,000

DST #5

3277' - 3283' ARBUCKLE
20-30-18


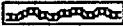


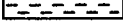

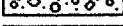

IF: WK SURFACE BLOW, BUILT TO 2"
ISI: 1/4" BB
FF: WK SURFACE BLOW, FLUSH TOOL, BUILT TO 3/8", START TO DIE, PULL TOOL



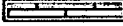

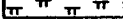


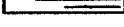
IF: 30-34
FF: 35-38
SIP: 803
IH: 1579
FH: 1560

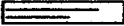







RECOVERY 5' TOTAL
5' MUD




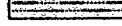

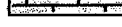
BHT: 105 DEG

ROCK TYPES

 Anhy
 Bent
 Brec
 Cht
 Clyst
 Coal
 Congl
 Dol

 Gyp
 Igne
 Lmst
 Meta
 Mrlst
 Salt
 Shale
 Shcol

 Shgy
 Sltst
 Ss
 Till
 Carb sh
 Dol
 Dtd
 Gry sh

 Sandylms
 Shale
 Sltstn
 Shlyslts
 Sltysb
 Lms

ACCESSORIES

FOSSIL

- Algae
- Amph
- Belm
- Biocist
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sity

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn

- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

INTERVALS

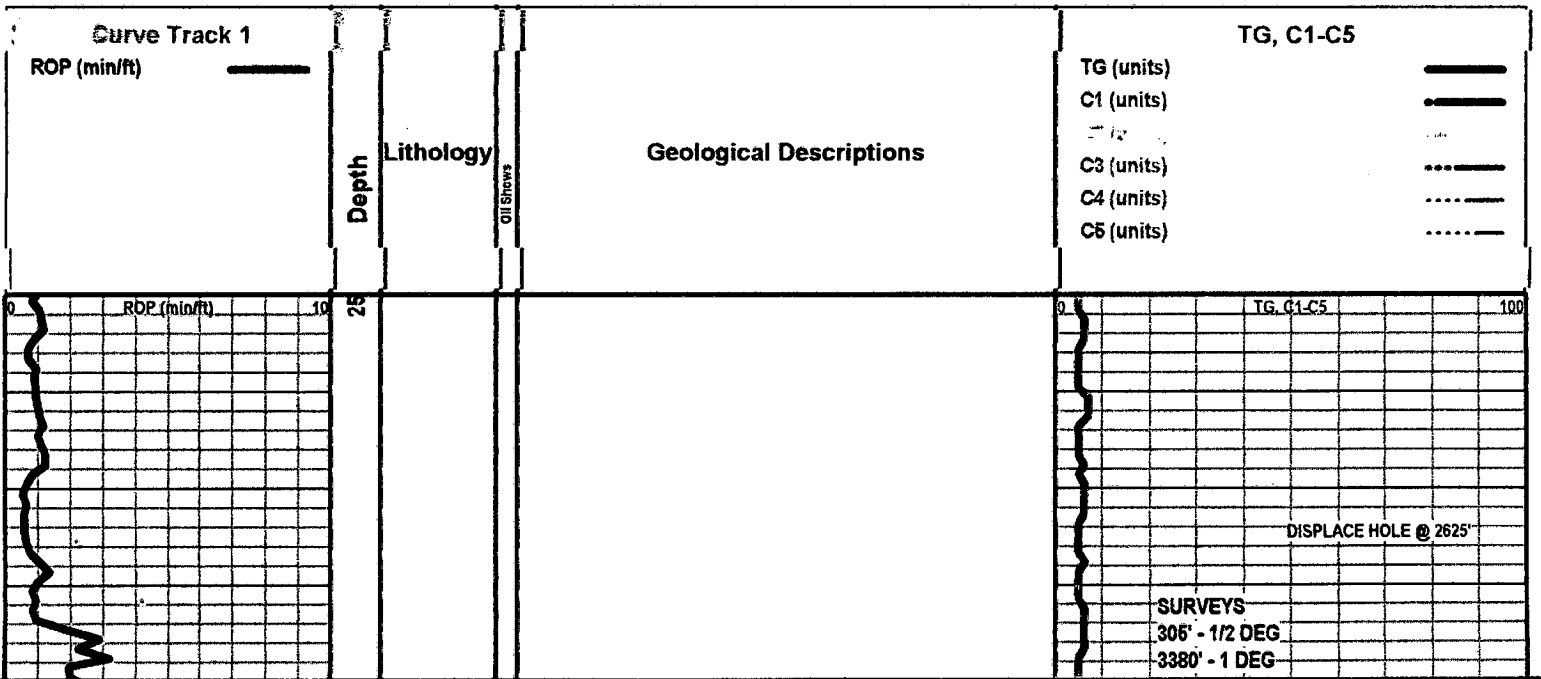
- Core
- Dst

- Dst

OIL SHOWS

- Even
- Spotted

- Ques
- Dead
- Gas show



BIT #2
REED 7 78"
S-52
SERIAL# D-160288
3/14s
IN @ 295'

ROP (min/h)

2550
2600
2650
2700
2750



LS- DK TN, HRD DNS, VF-XLN, RE-XLN MTRX IP, TR F
CALC XLS, LG FOSS FRAGS IMBED IP, NO FLO, NO VIS
POR

LS- WHT LT GY, HRD DNS, VF-XLN, RE-XLN MTRX IP TO
SUB-CHLKY IP, NO FLO, NO VIS POR

LS- LT TN, HRD DNS, VF-XLN, RE-XLN MTRX IP, LG FOSS
FRAGS IP (CRIN), NO FLO, TR INTER-FOSS POR, NS

SH- DK GY, SFT, SLTY IP TO LMY IP, BLKY

LS- LT GY, HRD DNS, VF-XLN, RE-XLN MTRX IP, LAM DK
GY SH IP, NO FLO, NO VIS POR

LS- LT BRN TN, HRD DNS, VF-XLN, RE-XLN MTRX IP, LAM
DK GY SH IP, TR FOSS FRAGS, NO FLO, NO VIS POR

LS- WHT OFF WHT, BRITT, VF-XLN, SUB-CHLKY MTRX
THRU TO TR SUB-SUCRO, IMBED GY SH IP, NO FLO, NO
VIS POR

LS- BFF, HRD DNS, VF/CRYPTO-XLN, RE-XLN MTRX
THRU, NO FLO, NO VIS POR

LS- TN BFF, HRD DNS, VF-XLN, RE-XLN MTRX THRU, LG
IMBED FOSS FRAGS IP, TR DISS BLK SH, NO FLO, NO VIS
POR

LS- CRM LT GY, HRD DNS, F-XLN, SUB-SUCRO MTRX
THRU, IMBED FOSS FRAGS IP, NO FLO, NO VIS POR

TG, C1-C5 5:00 A.M. 03/18/12 100

7 U BG

22 U BG

CN

CN

CN

CN

CN

MUD CHECK @ 2757'
WT 8.7
VIS 59
LCM 0#
PV 17
YP 20
PH 11.5
FIL 7.2
CAL 20
CHL 4,500

LS- CRM, HRD DNS, VF-XLN, RE-XLN MTRX IP, LAM DK GY/BLK SH IP, NO FLO, TR MICRO PP POR, NS

LS- CRM, HRD DNS, FVF-XLN, SUB-SUCRO MTRX THRU, NO FLO, NO VIS POR

LS- LT TN CRM, HRD DNS, FVF-XLN, SUB-SUCRO MTRX IP TO RE-XLN IP, NO FLO, NO VIS POR

CN

HEEBNER 2807' (1051')

LS- OFF WHT, HRD DNS, VF-XLN, SUB-SUCRO MTRX IP TO SUB-CHLKY IP, TR SFT WHT CHLK, NO FLO, NO VIS POR

SH- GRN, SFT, SLTY THRU, BLKY IP TO GMMY IP

CN

LS- LT CRM, HRD DNS, VF-XLN, RE-XLN MTRX IP, ABDT IMBED FOSS FRAGS THRU, NO FLO, TR INTER-FOSS POR TO NO VIS POR, NS

DOUGLAS 2839' (-1083')

SH- GY, SFT, LMY IP TO SLTY IP, BLKY

CN

SS- DK TN BLK, TT, F-GRNS, GD SRT, SUB-RND GRNS, CALC CMNT, TR MICA SH W/ DISS BLK SH IP, TR DLL YEL GLD FLO, GD FLUSH TO DK THICK MLKY STRM CUT, PR INTER-GRN POR THRU, BLK/DK TN STAIN THRU, STRNG ODOR, FREE OIL

SLTST- GY, HRD TT, DISS BLK SH IP W/ TR LAM BLK SH, NO VIS POR

CN

SH- GY, SFT, SLTY, SLI GMMY IP TO BLKY

SH- GY, FRM TO SFT, LMY IP TO SLTY IP, FISS

12:00 A.M. 03/18/12

CN

SH- GY, FRM TO SFT, LMY THRU TO TR SLTY, FISS IP TO BLKY IP

BROWN LIME 2928' (-1172')

LS- BRN, HRD DNS, VFCRYPTO-XLN, RE-XLN MTRX THRU, NO FLO, NO VIS POR

SH- GY GRN, FRM TO SFT, LMY THRU TO TR SLTY, FISS TO TR GMMY

CN

LANSING 2960' (-1201')

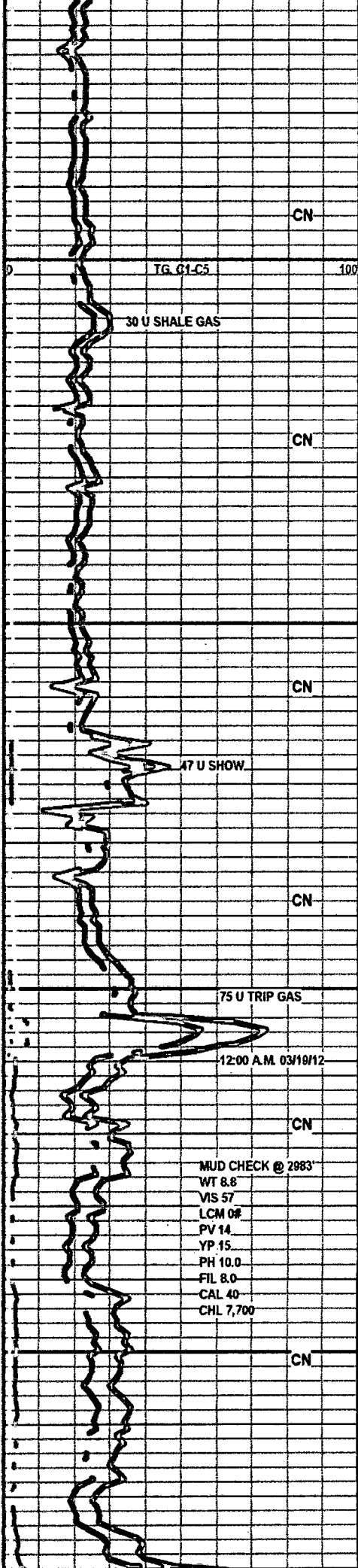
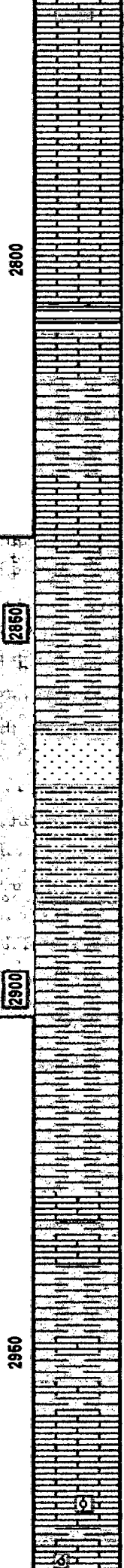
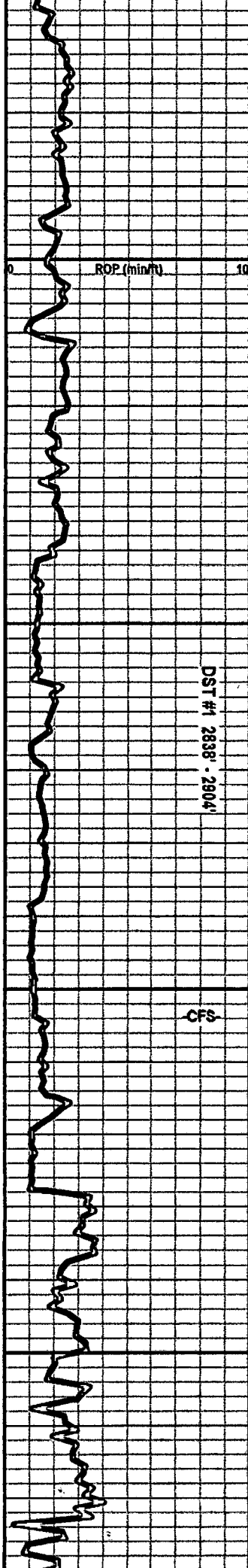
LS- CRM LT TN, HRD DNS, VF-XLN, RE-XLN MTRX THRU, NO FLO, NO VIS POR

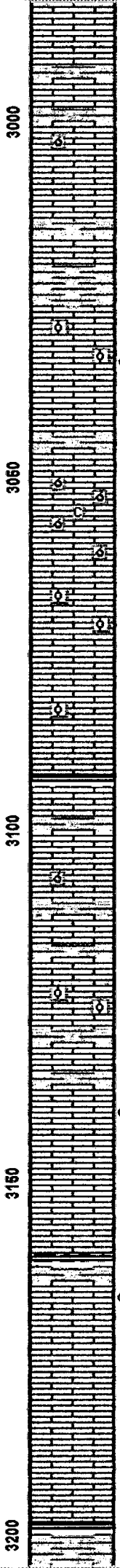
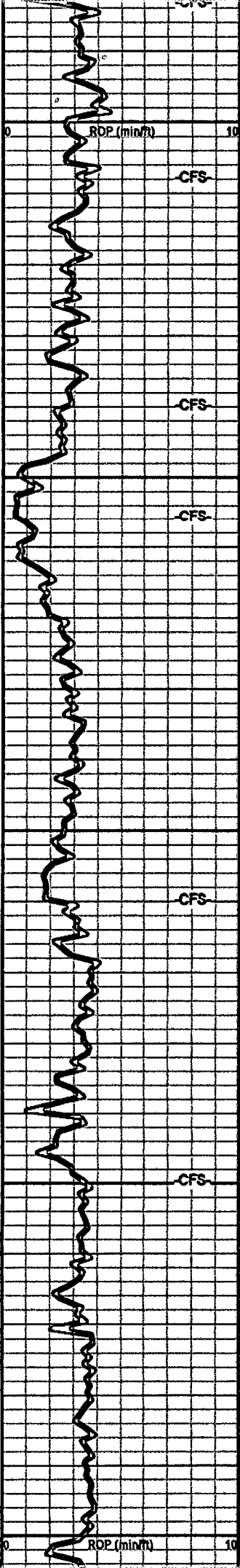
LS- LT CRM LT BRN, BRITT, FVF-XLN, SUB-SUCRO MTRX THRU, OOMLD THRU, YEL GLD FLO SCAT THRU, FAINT

120 U SHOW

CN

MUD CHECK @ 2983'
WT 8.8
VIS 57
LCM 0#
PV 14
YP 15
PH 10.0
FIL 8.0
CAL 40
CHL 7,700





FLUSH TO FR SLO BLU STRM CUT, FR/GD OOMLD POR THRU, V/LT STAIN IN 30%, MILD ODOR

LS- LT GY, HRD DNS, VFCRYPTO-XLN, RE-XLN MTRX THRU TO TR SUB-CHLKY, NO FLO, NO VIS POR

LS- LT GY, HRD DNS, VF-XLN, SUB-SUCRO MTRX THRU TO TR RE-XLN, WELL CMNT OOL IP, TR YEL FLO, NO VIS CUT, TR OOMLD POR TO TR MICRO PP POR TO NO VIS POR IP, NO ODOR, TR STAIN

LS- CRM GY, MOTT, HRD DNS, F-XLN, SUB-SUCRO MTRX THRU, IMBED DK GY SH SCAT THRU, WELL CMNT OOL THRU, NO FLO, NO VIS POR, NS

LS- WHT OFF WHT LT GY, HRD DNS TO BRITT IP, F/VF-XLN, SUB-CHLKY MTRX IP TO SUB-SUCRO IP TO TR RE-XLN, IMBED OOL THRU, TR IMBED BLK SH, TR YEL FLO, V/FAINT FLUSH CUT, TR INTER-OOL POR, TR LT TN STAIN, NO ODOR

LS- CRM, BRITT, F/VF-XLN, SUB-SUCRO MTRX THRU, SFT WHT CHLK IP, OOMLD THRU, DLL YEL FLO SCAT THRU, NO VIS CUT, FR/GD OOMLD POR THRU, NS

LS- LT BRN GY, HRD DNS, F/VF-XLN, RE-XLN MTRX IP TO SUB-SUCRO IP, CALC XLS IP, ABDT WELL CMNT OOL SCAT THRU, NO FLO, TR OOMLD POR TO NO VIS POR, NS

LS- BFF WHT, HRD DNS, F/VF-XLN, RE-XLN MTRX IP TO SUB-SUCRO IP, TR OOL, NO FLO, NO VIS POR

LS- CRM, BRITT, F/VF-XLN, SUB-SUCRO MTRX THRU, TR OOL, V/DLL YEL FLO IP, NO VIS CUT, PR/FR OOMLD POR THRU TO TR MICRO PP POR, TR DEAD OIL STAIN, NO ODOR

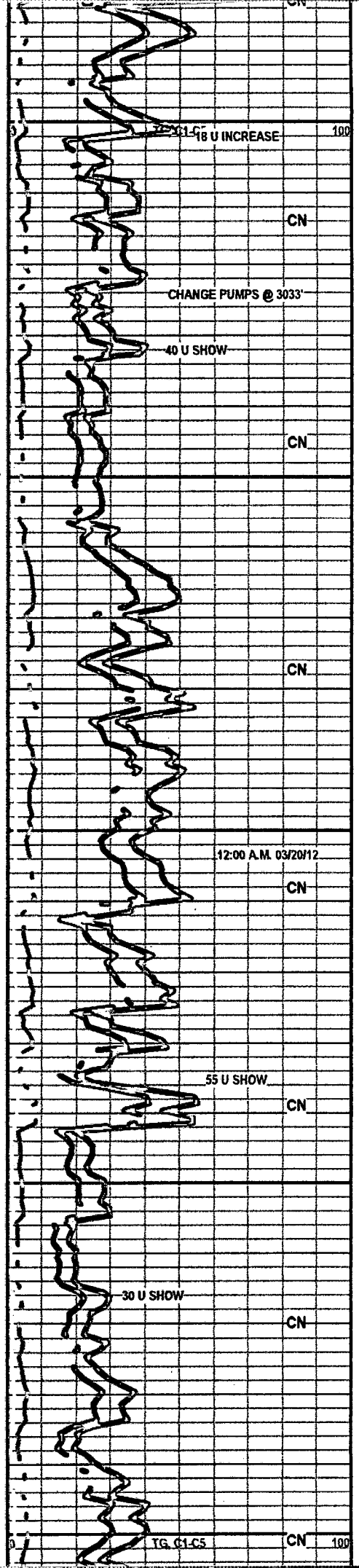
LS- TN, HRD DNS, CRYPTO-XLN, RE-XLN MTRX IP, IMBED OOL IP, NO FLO, NO VIS POR

LS- CRM LT TN, HRD DNS TO BRITT IP, F/VF-XLN, SUB-SUCRO MTRX THRU TO TR RE-XLN, OOL IP, DLL YEL FLO IP, NO VIS CUT, FR OOMLD POR THRU, NO STAIN, 2 SMPLES W/ FR INTER-OOL POR W/ TR STAIN, FAINT FLUSH CUT TO FAINT BLU STRM CUT, NO ODOR

LS- OFF WHT, HRD DNS, F/VF-XLN, SUB-SUCRO MTRX IP TO SUB-CHLKY IP, OOL IP, TR OOMLD, YEL GLD FLO IP, FAINT FLUSH TO PR SLO BLU STRM CUT, TR OOMLD POR TO TR INTER-OOL POR, TN/LT TN STAIN IN 20%, NO ODOR

LS- LT CRM WHT, HRD DNS, CRYPTO-XLN, RE-XLN MTRX IP, NO FLO, NO VIS POR

SH- DK GY BLK, FRM, CARB, FISS IP TO BLKY IP



CN

CN

CN

CN

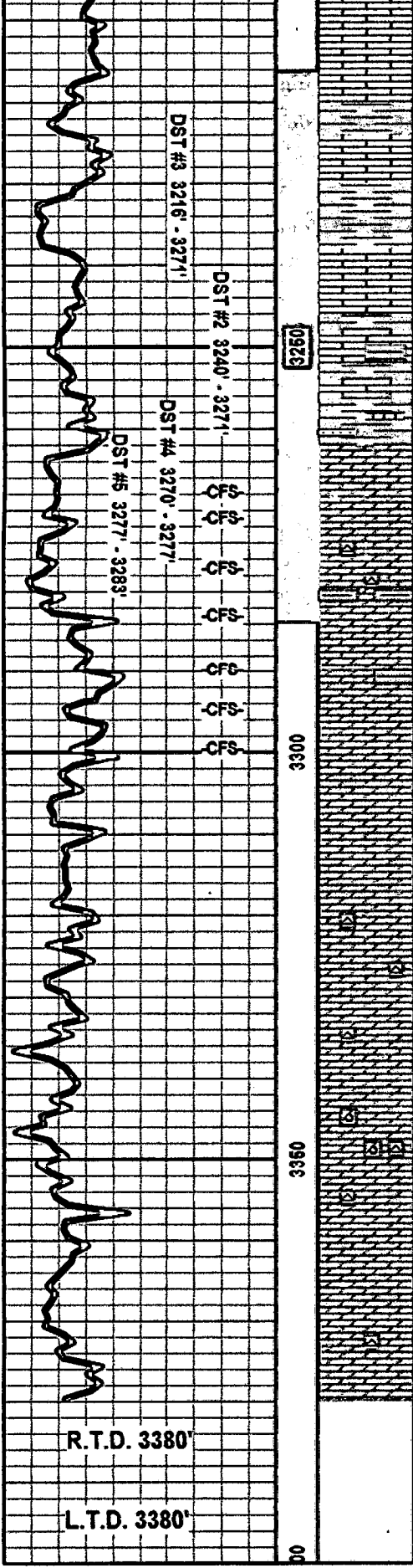
CN

CN

CN

100

100



LS- BFF, HRD DNS, CRYPTO-XLN, RE-XLN MTRX IP, NO FLO, NO VIS POR

BKC 3220' (-1464')

LS- LT CRM, HRD DNS, CRYPTO-XLN, RE-XLN MTRX IP, TR CALC XLS, NO FLO, NO VIS POR

SH- GRN, SFT, LMY THRU, BLKY

LS- CRM BFF RD YEL, MOTT, HRD DNS, CRYPTO-XLN, RE-XLN MTRX IP, IMBED SH IP, NO FLO, NO VIS POR

INTERBED SH & LS- CRM, HRD DNS, VF/CRYPTO-XLN, RE-XLN MTRX IP TO SUB-CHLKY IP, IMBED SH IP, NO FLO, NO VIS POR

ARBUCKLE 3263' (-1507')

DOLO- TN CRM, BRITT, MDVF-XLN, SUCRO MTRX THRU, TR VUGS, BRIT YEL GLD FLO THRU, GD FLUSH TO PR SLO BLU STRM CUT, FR INTER-XLN POR THRU TO TR INTER-VUG POR, VISTRNG ODOR, TN STAIN THRU

DOLO- TN, BRITT, CORSEF-XLN, SUCRO MTRX THRU, VUGS IP, CORSE RHOMBS IP, BRIT YEL FLO THRU, FR FLUSH TO PR SLO BLU STRM CUT, FRGD INTER-XLN POR TO FR INTER-VUG POR IP, LT TN STAIN THRU, STRNG ODOR, FREE OIL

3279' DOLO- CRM TN, BRITT, MDVF-XLN, SUCRO MTRX THRU, MD RHOMBS IP, GRN HSS SH IP, IR VUGS, IR CHRT, BRIT YEL FLO THRU, FR FLUSH TO PR SLO BLU STRM CUT, FRGD INTER-XLN POR IP TO PR INTER-XLN POR IP TO TR INTER-VUG, LT TN STAIN IN 80%, STRNG ODOR

3285' DOLO- BFF CRM, HRD DNS, FVF-XLN, RE-XLN MTRX IP TO SUCRO IP, DLL YEL FLO THRU, FAINT FLUSH TO PR SLO BLU STRM CUT, TR INTER-XLN POR TO NO VIS POR, TR LT TN STAIN, MILD ODOR

3295' DOLO- TN, HRD DNS, FVF-XLN, SUCRO MTRX THRU, YEL GLD FLO SCAT THRU, PR FLUSH TO FR SLO BLU STRM CUT, PR INTER-XLN POR IP TO NO VIS POR IP, TN STAIN IN 80%, MILD ODOR

3300' DOLO- CRM LT TN, HRD DNS, VF-XLN, RE-XLN MTRX IP, DLL YEL FLO IP, NO VIS CUT, NO VIS POR, NO ODOR

DOLO- CRM LT TN, HRD DNS, FVF-XLN, RE-XLN MTRX IP TO TR SUCRO, WHT OPQ VIT CHRT IP, DLL YEL FLO THRU, NO VIS CUT, TR INTER-XLN POR TO NO VIS POR THRU, FAINT ODOR

DOLO- TN, BRITT, MDVF-XLN, SUCRO MTRX THRU, OOMLD THRU, DLL YEL FLO THRU, FAINT SLO BLU STRM CUT, FRGD OOMLD POR THRU, FAINT ODOR, TR STAIN

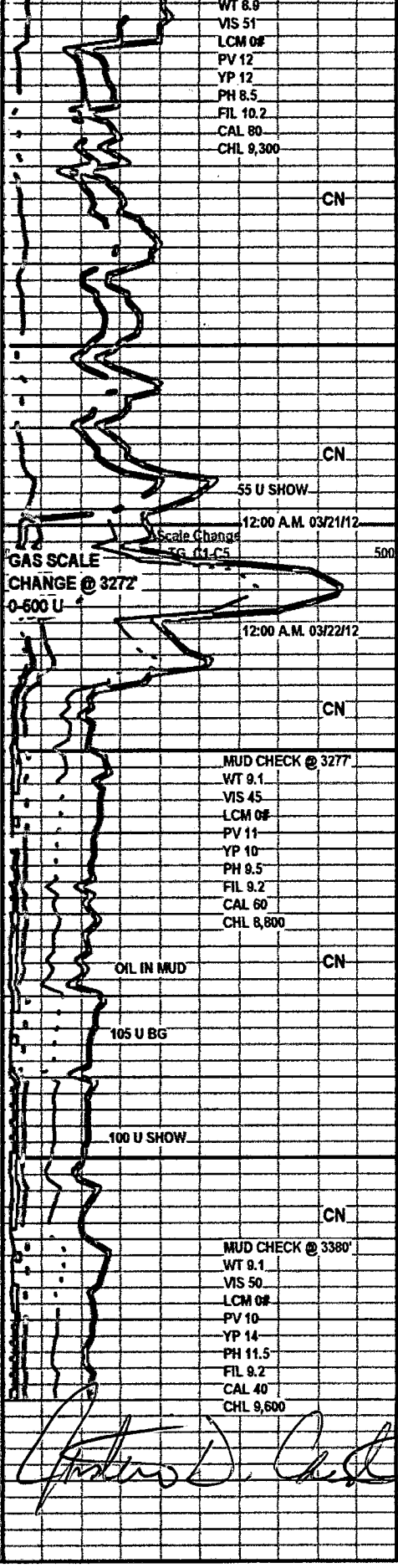
DOLO- LT CRM, HRD DNS, MDVF-XLN, SUCRO MTRX THRU, TR VUGS, DLL YEL FLO THRU, NO VIS CUT, TR INTER-VUG POR, FAINT ODOR

DOLO- TN, HRD DNS, MDVF-XLN, SUCRO MTRX THRU, DLL YEL FLO THRU, NO VIS CUT, PR/FR INTER-XLN POR THRU, FAINT ODOR

TD @ 9:30 A.M. 03/22/12

CTCH 1 1/2 HR.

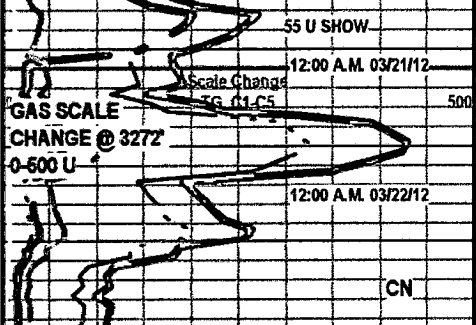
T.O.H. FOR LOGS



MUD CHECK @ 3200'
 WT 8.9
 VIS 51
 LCM 08
 PV 12
 YP 12
 PH 8.5
 FIL 10.2
 CAL 80
 CHL 9,300

CN

CN



CN

MUD CHECK @ 3277'
 WT 9.1
 VIS 45
 LCM 08
 PV 11
 YP 10
 PH 9.5
 FIL 9.2
 CAL 60
 CHL 8,800

CN

OIL IN MUD

105 U BG

100 U SHOW

CN

MUD CHECK @ 3380'
 WT 9.1
 VIS 50
 LCM 08
 PV 10
 YP 14
 PH 11.5
 FIL 9.2
 CAL 40
 CHL 9,600

Handwritten signature: Andrew Chest

R.T.D. 3380'

L.T.D. 3380'