



KANSAS CORPORATION COMMISSION 1086046
OIL & GAS CONSERVATION DIVISION

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33263
Name: Bowman, William F. dba The Bill Bowman Oil Company
Address 1: 2640 W RD
Address 2: _____
City: NATOMA State: KS Zip: 67651 + 8816
Contact Person: William Bill Bowman
Phone: (785) 885-4830
CONTRACTOR: License # 34535
Name: Integrity Drilling Co., LLC
Wellsite Geologist: Ed Glassman
Purchaser: Coffeyville Resources, LLC

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 #: _____

<u>04/30/2012</u>	<u>05/05/2012</u>	<u>05/25/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-163-24021-00-00
Spot Description: _____
NW SW NE NE Sec. 1 Twp. 9 S. R. 17 East West
4553 Feet from North / South Line of Section
1263 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rooks
Lease Name: Hrabe A Well #: 4
Field Name: _____
Producing Formation: Kansas City
Elevation: Ground: 1916 Kelly Bushing: 1925
Total Depth: 3468 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 228 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1712 Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 1712 w/ 235 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 3500 ppm Fluid volume: 20 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: The Bill Bowman Oil Company
Lease Name: Ted Hrabe #7 EOR License #: 33263
Quarter SE Sec. 36 Twp. 8 S. R. 17 East West
County: Rooks Permit #: E28811.0

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: Deanna Gantner Date: 07/02/2012



1086046

Operator Name: Bowman, William F. dba The Bill Bowman Oil Company Lease Name: Hrabe A Well #: 4
 Sec. 1 Twp. 9 S. R. 17 East West County: Rooks

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 checked="" 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: Attached	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum Attached Attached Attached
---	--

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	20	228	Class A Commor	150	3% CC, 2% Gel
Production	7.875	5.5	15.5	3466	EA-2 Standarc	150	50 gal Mud Flush 20 lbs KCL Flush Bloc

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	0-1712	SMD (MIDCONII)	235	Flocele, Salt, CalSeal, CFR-1
-	-	-	-	-

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

TUBING RECORD: Size: <u>2.375</u> Set At: <u>3463.50</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>06/01/2012</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>10</u>	Gas Mcf <u>2</u>	Water Bbls. <u>33</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bowman, William F. dba The Bill Bowman Oil Company
Well Name	Hrabe A 4
Doc ID	1086046

All Electric Logs Run

Dual Induction Log
DualCompensated Porosity Log
Borehole Compensated Sonic Log
Microresistivity Log
Computer Processed Inerpretation

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Tops

Anhydrite	1220	+705
Base of Anhydrite	1256	+669
Topeka	2809	-884
Heebner	3026	-1101
Lansing	3067	-1142
Base of Kansas City	3307	-1382
Arbuckle	3384	-1459
RTD	3468	

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Perforations

12	3049 - 3052	250 gal of 15% MCA & Flush	3276 - 3281
12	3230 - 3233	Retreat-750 gal 15% NE & Flush	3276 - 3281
8	3252 - 3254	250 gal 15% MCA & Flush	3252 - 3254
20	3276 - 3281	Treat Perfs- with 1000 gal 15% NE HCL	3230 - 3233 & 3252 - 3254
		Treat formation with 15% MCA & Flush	3049 - 3052
		Treat with 750 gals 15% NE	3049 - 3052

ALLIED OIL & GAS SERVICES, LLC 056397

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

SERVICE POINT:
Russell Ks.

DATE <u>9-30-12</u>	SEC. <u>1</u>	TWP. <u>9 S</u>	RANGE <u>17W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00 AM</u>	JOB FINISH <u>11:30 AM</u>
LEASE NO. <u>11000</u>	TWD. <u>A-4</u>			LOCATION <u>Codell Ks. 6 1/2 N 1 E</u>		COUNTY <u>ROOKS</u>	STATE <u>KANSAS</u>
OLD OR NEW (Circle one) <u>NEW</u>				V.A.S.			

CONTRACTOR T. J. Begeety Rite # 7
 TYPE OF JOB Cement Surface
 HOLE SIZE 1 1/4 I.D. 233'
 CASING SIZE 8 5/8 used DEPTH 232'
 TUBING SIZE 20# DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 134/BBL

OWNER
 CEMENT AMOUNT ORDERED 150 SX Comm.
38 cc
22 Gel
 COMMON 150 sx @ 16.25 2437.50
 POZMIX @
 GEL 3 sx @ 21.25 63.75
 CHLORIDE 5 sx @ 58.20 291.00
 ASC @
 @
 @
 @
 @
 @
 @
 @
 @
 @
 HANDLING 155 Gel sx @ 2.25 348.75
 MILEAGE 45 TDWAVE @ 11¢ 495.00
 TOTAL 3908.25

EQUIPMENT
 PUMP TRUCK CEMENTER G. Earl G.
 # 417 HELPER Woody O.
 BULK TRUCK
 # 481 DRIVER Cody H.
 BULK TRUCK
 # DRIVER:

REMARKS:

Ran 5 JTS DE US 8 5/8 CSG.
Set @ 232' Received Circulation
1 Cement of 150 sx Comm 3+2
Displace 134/BBL Ho & Shut in
@ 2.50 TB.
Cement D.D. Circulate
2 SURFACE
THANKS

SERVICE

DEPTH OF JOB
 PUMP TRUCK CHARGE 1125.00
 EXTRA FOOTAGE @
 MILEAGE 45 HVME @ 7.00 315.00
 MANIFOLD @
45 LV MF @ 4.00 180.00
 @

CHARGE TO: Downman, William / DBA Bill Brandon Oil Co.
 STREET
 CITY STATE ZIP

TOTAL 1620.00

PLUG & FLOAT EQUIPMENT

TOTAL _____

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

SALES TAX (If Any) 175.91
 TOTAL CHARGES 5528.25
 DISCOUNT 20/50 1484.32 IF PAID IN 30 DAYS

PRINTED NAME
 SIGNATURE [Signature]



Services, Inc.

CHARGE TO: Bowman Oil Co.
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET
 PAGE 1 OF 2

1. SERVICE LOCATIONS: Hays, Ks. WELL PROJECT NO: 24 LEASE: Harbe "A" COUNTY/PARISH: Rooks STATE: Ks DATE: 5-5-12 OWNER: Space
 2. Ness City, Ks. CONTRACTOR: Integrity Drilling Co. #4 REG NAME NO.: _____ DELIVERED TO: Location ORDER NO.: _____
 3. WELL TYPE: _____ WELL CATEGOR: _____ JOB PURPOSE: 2-stage WELL PERMIT NO.: _____ WELL LOCATION: _____
 4. REFERRAL LOCATION: _____ INVOICE INSTRUCTIONS: _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575		1				113	50	mi.			6.00	300.00
579		1			From Charge (2-stage		1	ea	3461		1850.00	1850.00
221		1			KCL		4	ea	1		25.00	100.00
281		1			MudFlush		500	ea	1		1.25	625.00
290		1			D-Air		4	gal			35.00	140.00
402		1			Centralizers		6	ea	5 1/2"		70.00	420.00
403		1			Baskets		2	ea			250.00	500.00
407		1			Insert Float Shoe W-Fill		1	ea			350.00	350.00
408		1			D.V Tool w/ Plug Set		1	ea			3000.00	3000.00
417		1			DR L.D. Plug + Ball		1	ea			200.00	200.00

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

DATE SIGNED: 5-5-12 TIME SIGNED: 1845 A.M. P.M.

SIGNED BY: [Signature]

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

SURVEY: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? YOUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 7485.00
 PAGE 2: 6434.00
 Subtotal: 15819.00
 7.5% TAX: 1186.43
 TOTAL: 17005.43

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: Mark Kube APPROVAL: _____

Thank You!



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

TICKET CONTINUATION

TICKET No. 27444

CUSTOMER: Bowman Oil Co. WEL: Hebe "A" #4 DATE: 5-5-12 PAGE: 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WEL		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	UM		
325		2				Standard Cement	150	skts	13.60	2025.00
330		2				SMD Cement	235	skts	16.50	3877.50
276		2				Flocite	100	#	2.00	200.00
283		2				Solt	760	#	.60	456.00
284		2				Calson	7	skts	35.00	245.00
285		2				CLR-1	52	#	4.00	208.00
581		2				SERVICE CHARGE			2.00	990.00
583		2				MR. BARGE CHARGE			1.00	967.00

385 skts
38673
5.0
967
43
5864 50

CONTINUATION TOTAL

JOB LOG

SWIFT Services, Inc.

DATE 5-5-12 PAGE NO. 7

CUSTOMER *Bowman Oil Co* WELL NO. *#4* LEASE *Hrube "A"* JOB TYPE *2-stage* TICKET NO. *2:444*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1230							on loc w/ FE.
								BTD 3461'
								5 1/2" x 15.5# x 2452' x 43'
								Cent 1, 2, 5, 7, 11, 41
								Back 3, 42
								DV 42 @ 1712'
	1345							start FE FE
	1540							Break Circ
	1630	5	0				200	start Pref ^{300 gal Mud} Flush
	1635	6	32/0				200	start 150sks EA-2 Cement
	1640		36					End Cement
								wash Pth
								Drop L.P. Plug
	1645	6	0				200	start Displacement w tr
		6	45				200	mud
	1655	5	63				250	Watch Cement
	1705		81				200 / 1500	Land Plug
								Release Pressure / Float Hdd
	1710							Drop Opening Plug
	1725	2.5	7					Plug P.H.
	1725						1100	Open D.V. Tool
	1730							Circ 30 min
	1755	5	0					start KCL Flush 20 bbl
	1800	6	20/0					start 235sks SMD
	1820		130					End Cement
								Drop Closing Plug
	1825	5	0					start Displacement
		5						Circ Cement
	1830		41					Land Plug
								Release Pressure
								D.V. Closed
								circ 125sks to Pit
								Thank You.
								Nick, Dan, + Russ

**GEOLOGIC
REPORT
LOG**

COMPANY THE BILL BOWMAN OIL COMPANY
NATOMA, KS 67651

WELL HRABE A #4

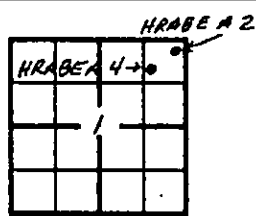
FIELD ROSE

LOCATION 4553' FSL & 1263' FEL

SEC. 1 TWP. 9S RGE. 17W

COUNTY ROOKS

STATE KANSAS



API 15-163-24021-0000

OPERATOR BILL BOWMAN OIL COMPANY

CONTRACTOR INTEGRITY DRILLING, LLC

COMM: 04-30-2012 COMP: 05-05-2012

CASING RECORD

SURF: 8 5/8" @ 228 PROD: 5 1/2" @ 3466

TOTAL DEPTH DRILLERS: 3468

TOTAL DEPTH LOG: 3472

PRODUCTION _____

ELEVATION KB 1925
 DF _____
 GL 1916

Drilling Measured From: KELLY BUSHING

Samples Saved From 2700 To: T.D.

Drilling Time From 2600 To: T.D.

Samples Examined From: 2700 To: T.D.

Geological Supervision From 2600 To Total Depth

Wellsite Geologist ED GLASSMAN

Electrical Surveys DUAL INDUCTION
DENSITY-NEUTRON
MICRO
SONIC

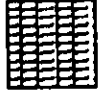
FORMATION TOPS AND STRUCTURAL POSITION

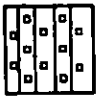
FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
ANHYDRITE	1220 (705)	1222	703	NA
B/ANHYDRITE	1256 (669)	1256	669	NA
TOPEKA	2809 (-884)	2811	-886	-5
HEEBNER	3026 (-1101)	3027	-1102	-7
LANSING	3067 (-1142)	3069	-1144	-6
B/KANSAS CITY	3307 (-1382)	3311	-1386	-6
ARBUCKLE	3384 (-1459)	3375	-1450	+5


REFERENCE WELL FOR STRUCTURE S & M OIL CO.
HRABE A #2 SEC 1 - 9S - 17W T0'W NENE NE
ROOK COUNTY KANSAS


LOG 7710


LEGEND

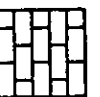
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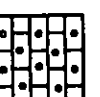
Anhydrite
- 


Salt
- 


Sandstone
- 

Shale
- 

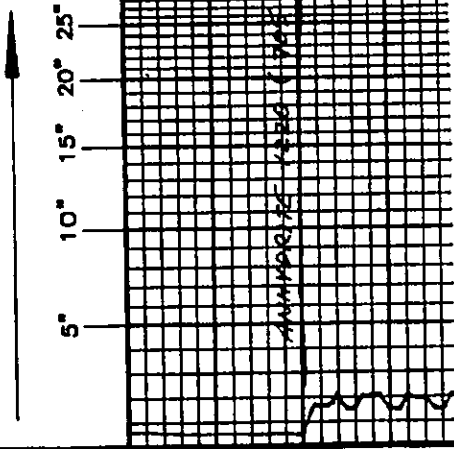



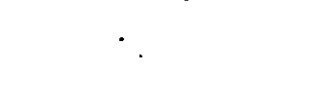
Carb sh
- 

Limestone
- 

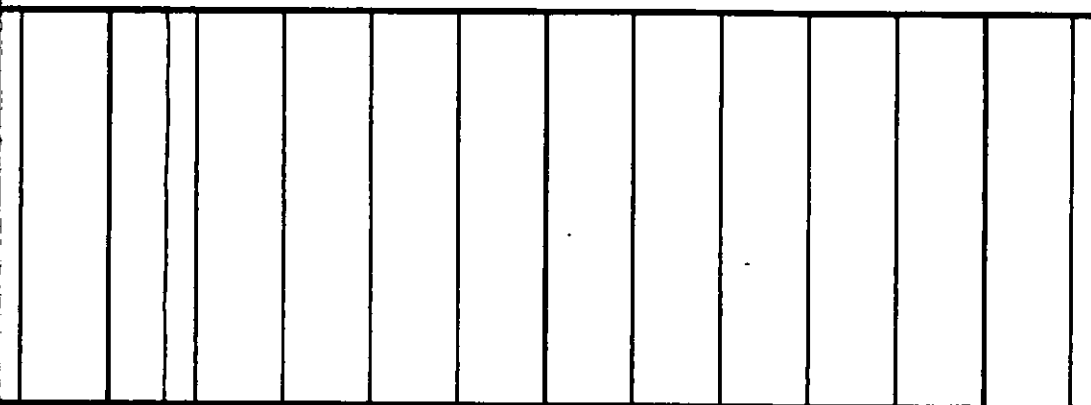
Ool. Lime
- 

Chert
- 

Dolomite

DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
	5" 10" 15" 20" 25" 48-0				
	C 10				
	20				
	30				

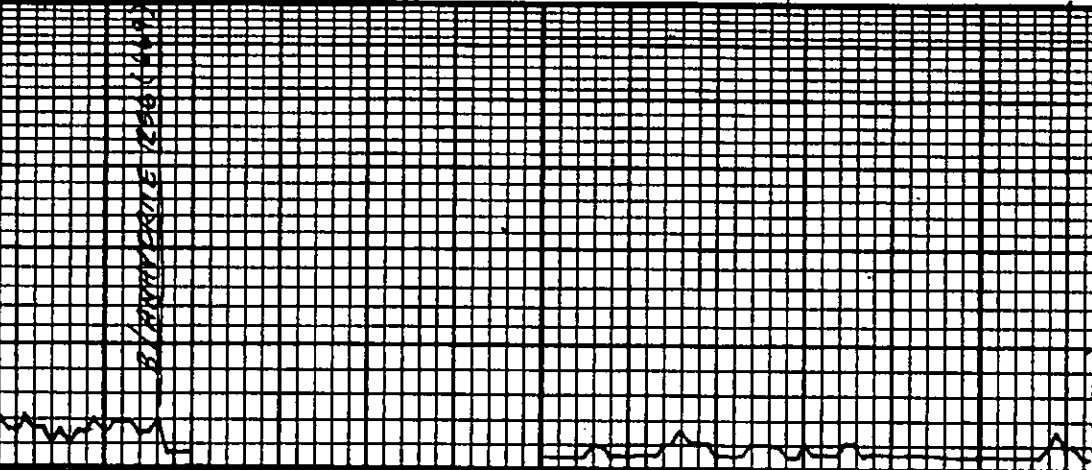
START 1' DRIS TIME

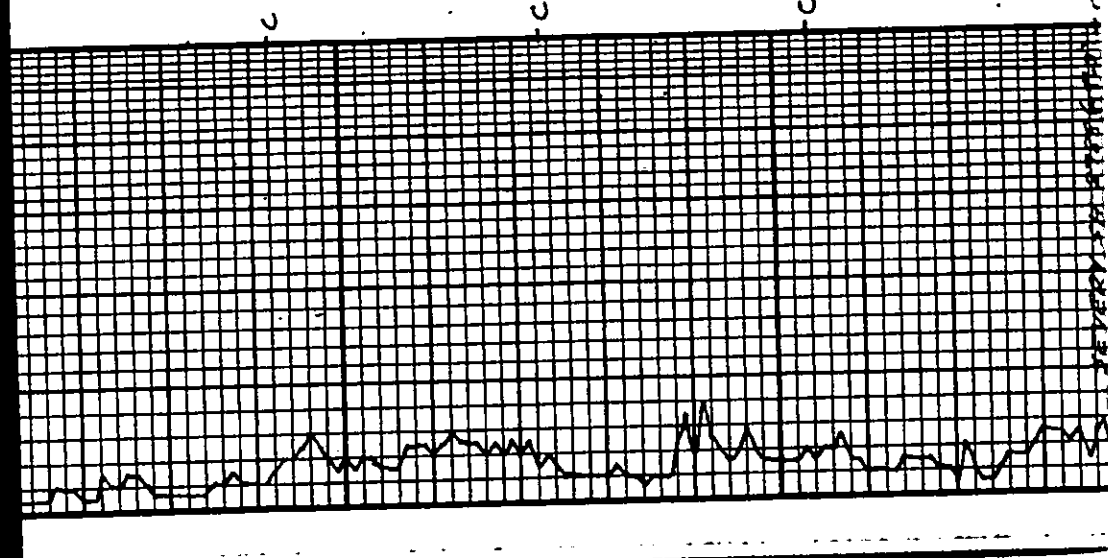


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40
1250
60
70
2600
10
20
30
40
50
60

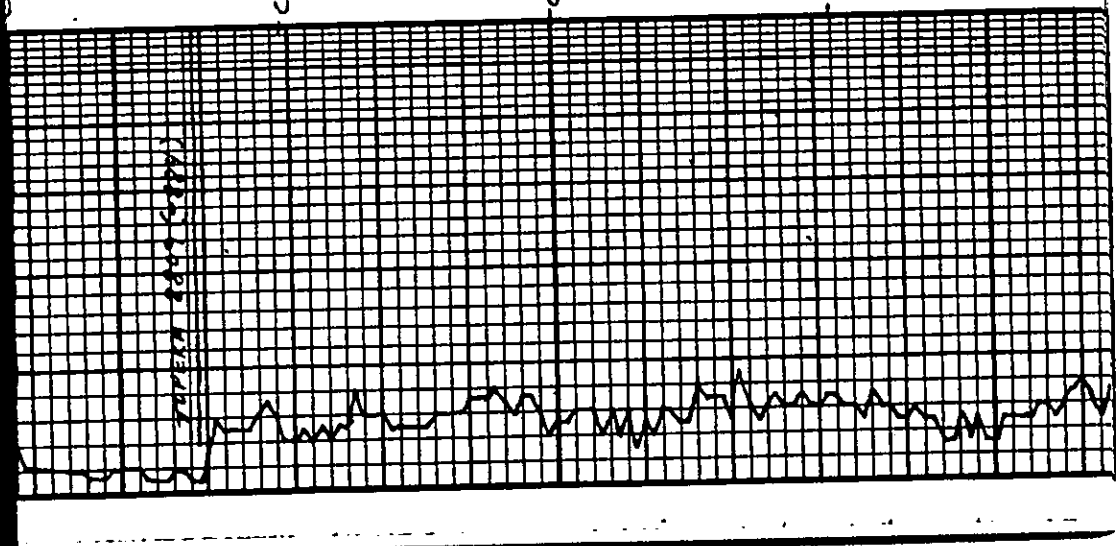




70
80
90
200
10
20
30
40
50
60
70
80

LS: tan-lt gry, f-med xln, inter xln ϕ , NS.
SH: gry
LS: lt gry - gry, f-med xln, inter xln ϕ , some Fe + xls, NS.
SH: gry, some dk gry, med, bitky
LS: lt gry, f-med xln, inter xln ϕ , NS.
LS: tan-lt gry, f-med xln, ool, some med, inter xln - ool ϕ , NS.
SH: gry, some dk gry, some Fe + xls, pHy - bky
LS: lt brn - gry, f-med xln, inter xln ϕ , NS.

BIT TRIP
START 10' W.D
SAMPLES
GED. ON LOCATION
10:30 PM 5-2-2012



90
2800
10
C 20
30
40
50
60
70
80
90
2900
10

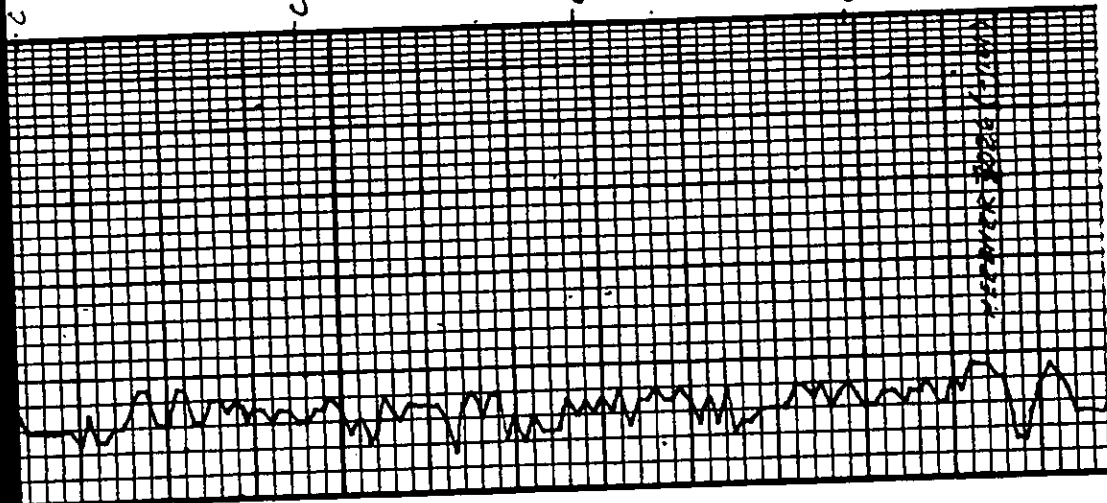
SH: gry, p, med, p, lty.
LS: tan - 1/2 gry, p, med xln, inter xln p, NS.
LS: SAB
LS: tan - 1/2 brn, sl, modly p, med xln, chlky, NS.
SH: gry, some varicled.
LS: tan, p, med xln, inter xln p, NS.
LS: 1/2 brn - dark brn, modly, obl, interdark, chl p, NS.
LS: SAB
SH: gry, med, p, lty - blk
SH: blk, corb, p, lty - blk

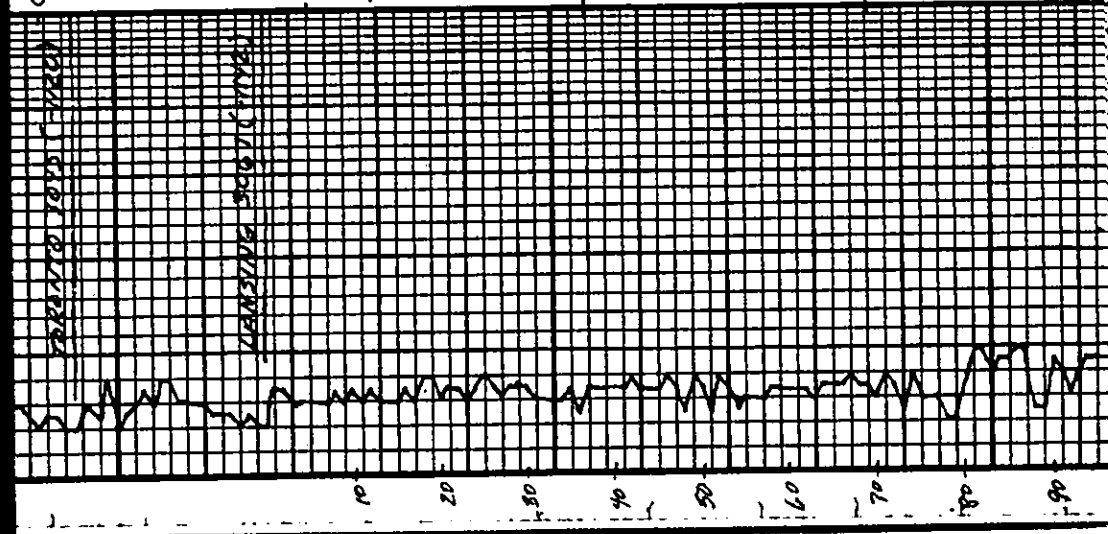
wt 9.2
vis 58

File 7.6
CL 3000
LCM NA

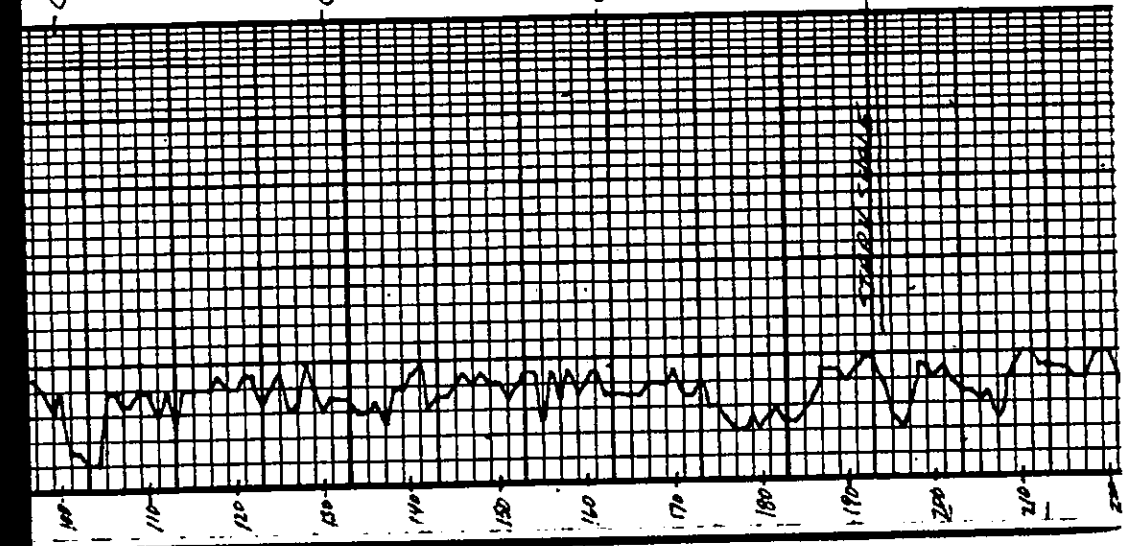
LS: tan-1/2 grey, fumed xln, inter xln, NS	SH: grey	LS: tan-1/2 grey, fumed xln, inter xln, NS	SH: blk, carb, blk.	SH: grey-dark grey, blk.	LS: tan-1/2 grey, fumed xln, inter xln, NS	SH: grey-dark grey, med pity-blk.	LS: tan-1/2 grey, fumed xln, inter xln, NS	SH: grey, med, blk.	SH: blk, carb, blk.	SH: grey, med, pity-blk.
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20
30
40
50
60
70
80
90
3000
10
20
30





40	C	LS: tan, 7-med x/m, chky. some 3rd rd pp, in ter x/m p, F5FO, No odor, 14 second str in pp p.
50		
60		
70	C	LS: tan - 14 tan, sme etc x surgrms, ch rty, in ter x/m - w/ p, w/ 55FO, No odor, 14 str in p.
80		SH: gry, med, slty - 6 lky.
90		
3100		LS: tan, 7-med x/m, w/ 14's in ter x/m - w/ p, V55FO Kshinder, 14 20ky str.
10	C	SH: gry, 1174-6 lky.
20		
30		LS: tan, 7 x/m, 400 ip 7000 in ter p, V55FO Vslinder, 14 3000 str.
40	C	SH: blk, carch
50		SH: gry, p lty, sme Fe r.
60		LS: tan, 7-med x/m, chky, in ter x/m p, V55FO, Vslinder, 14 5000 str. SH: gry, sme varicled.
		LS: tan - 14 tan, sme etc x



180	190	200	210	220
C 70	80	90	C 3200	10
20	30	40	50	C 60
70	80			

viggy, doliaesta, mtr
 x/n - vugy, vssro
 Fr. Dec. 17 1957

LS: tan, p-med x/n, intra
 x/n p, NS.

SH: Gray, med, p lty-6 lty
 some bla gun, FE rt

LS: wt-14 tan, 7 x/n, chrt
 inter x/n p, NS.

SH: gray, abundant 1 t bla-
 gra.

LS: tan, ? med x/n, g, inter
 x/n p, ESPO, Fr. adon
 17-ARK STA.

SH: gray med p lty

LS: it tan - tan, p med sh
 vugy, g, inter x/n - vssro
 Fr - g, show FO, 0 Jan
 dark even hvy str. 001:12

SH: SH: 6/k, corb

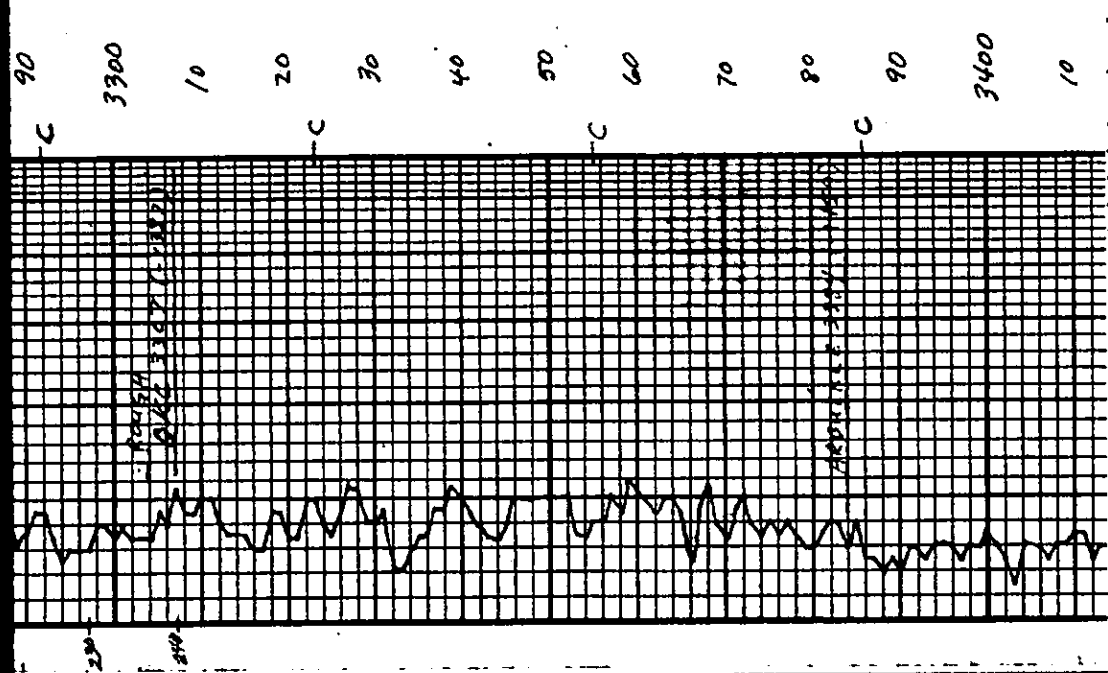
SH: LS: tan-199, fumed sh,
 some C x/n, in tan x/n p
 Fr 5FO, Fr 19 Dec 11-ark
 5P19 STA.

LOST RETURNS
 40 b61

wt. 9.3
 vic 55

Fil 8.0
 CL 2500
 LCM 4 1/2 #

3400	LS: 14 tan - top, f-med xln inter xln β, NS. 55 f, 14 med, 14 xln 5/4
3300	SH: med 55, varichd,
3200	LS: tan, f-med xln, inter xln β, NS.
3100	SH: gray
3000	LS: tan - top, f-med xln inter xln β, NS.
2900	LS: tan - top, f-med xln inter xln β, NS.
2800	LS: tan - top, f-med xln inter xln β, NS.
2700	LS: tan - top, f-med xln inter xln β, NS.
2600	LS: tan - top, f-med xln inter xln β, NS.
2500	LS: tan - top, f-med xln inter xln β, NS.
2400	LS: tan - top, f-med xln inter xln β, NS.
2300	LS: tan - top, f-med xln inter xln β, NS.
2200	LS: tan - top, f-med xln inter xln β, NS.
2100	LS: tan - top, f-med xln inter xln β, NS.
2000	LS: tan - top, f-med xln inter xln β, NS.
1900	LS: tan - top, f-med xln inter xln β, NS.
1800	LS: tan - top, f-med xln inter xln β, NS.
1700	LS: tan - top, f-med xln inter xln β, NS.
1600	LS: tan - top, f-med xln inter xln β, NS.
1500	LS: tan - top, f-med xln inter xln β, NS.
1400	LS: tan - top, f-med xln inter xln β, NS.
1300	LS: tan - top, f-med xln inter xln β, NS.
1200	LS: tan - top, f-med xln inter xln β, NS.
1100	LS: tan - top, f-med xln inter xln β, NS.
1000	LS: tan - top, f-med xln inter xln β, NS.
900	LS: tan - top, f-med xln inter xln β, NS.
800	LS: tan - top, f-med xln inter xln β, NS.
700	LS: tan - top, f-med xln inter xln β, NS.
600	LS: tan - top, f-med xln inter xln β, NS.
500	LS: tan - top, f-med xln inter xln β, NS.
400	LS: tan - top, f-med xln inter xln β, NS.
300	LS: tan - top, f-med xln inter xln β, NS.
200	LS: tan - top, f-med xln inter xln β, NS.
100	LS: tan - top, f-med xln inter xln β, NS.
0	LS: tan - top, f-med xln inter xln β, NS.



Pol: 5AR

	<p>DEPTH</p> <p>20 30 40 50 60 70 80 90</p>	<p>LITHOLOGY</p>	<p>SAMPLE DESCRIPTIONS</p>	<p>OIL SHOWS</p>	<p>REMARKS</p>
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CONTRACTOR INTEGRITY DRILLING LLC LOCATION 4553' FSL # 1263' FEL
 LEASE HRBBE A #4 SEC 1 TWP 9S RNG 17W
 IP _____

Rate of Penetration Decreases

ELEVATION 1925 KB RTD 3468 COUNTY ROOKS STATE KANSAS