



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1158998

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

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

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Venture Resources, Inc.
Well Name	Kempe A-North 8
Doc ID	1158998

All Electric Logs Run

Microresistivity Log
Borehole Compensated Sonic Log
Dual Induction Log
Dual Compensated Porosity Log



CHARGE TO: Venture
 ADDRESS: _____
 CITY STATE, ZIP CODE: _____

TICKET No. **24421**

PAGE 1 OF 2

SERVICE LOCATIONS: Hays ks WELL/PROJECT NO: 8 LEASE: Kemp A North COUNTY/PARISH: Rocky STATE: KS CITY: _____ DATE: 5-24-13 OWNER: _____

2. Ness City ks TICKET TYPE: SERVICE CONTRACTOR: American Eagle RIG NAME/NO: _____ SHIPPED VIA: CT DELIVERED TO: Location ORDER NO: _____

3. WELL TYPE: D-1 WELL CATEGORY: Develop JOB PURPOSE: 5 1/2 long string WELL PERMIT NO: _____ WELL LOCATION: Sec 31, Twp 10 S, R 17 W

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			MILEAGE # 112	20	mi				6.00	120.00
578		1			Pump Charge Long String	1	ea				1500.00	1500.00
221		1			Liquid MCL	2	gal				25.00	50.00
281		1			Mud Flush	500	gal				1.25	625.00
290		1			D Ar	5	gal				42.00	210.00
402		1			Centralizer	9	ea				70.00	630.00
403		1			Lement Basket	4	ea				285.00	1140.00
405		1			Fernation Packer Shoe	1	ea				1650.00	1650.00
406		1			Lath Down Plug + Sealite	1	ea				275.00	275.00

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

X DATE SIGNED: 5-24-13 TIME SIGNED: 0130 P.M. A.M.

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? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE? YES NO CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 92 TOTAL: 19,082.49

sub total: 18,186.00
 Rocks TAX 6.3% 896.49

SWIFT OPERATOR: ADBY APPROVAL: _____

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

Thank You!



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

TICKET CONTINUATION

TICKET No. 24421

CUSTOMER Venture

WELL Kempe A North 48

DATE 5-24-13

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M		
330		2				Swift Multi Density	550	SKS			17.00	9350.00
276		2				Flocele	180	lbs			2.00	360.00
581		2				SERVICE CHARGE					2.00	11.00
583		2				MILEAGE CHARGE					1.00	1236.00
						TOTAL WEIGHT						54930
						LOADED MILES						45
						CUBIC FEET						550 SKS
						TON MILES						1236.00 Tm
CONTINUATION TOTAL												11986.00

JOB LOG

SWIFT Services, Inc.

DATE 5-24-73 PAGE NO.

CUSTOMER Venture WELL NO. 8 LEASE Kempc A North JOB TYPE 5 1/2 long string TICKET NO. 24421

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							on location
								TD 3630 SS 44.02
								TP 3634 Inset 3590
								5 1/2 x 14#
								Centralizers 1,3,5,7,9,11,13,56,74
								Baskets 2,12,57,75
	0115							Start casing
	0300							Break circulation
	0310							Drop Ball Set Packer Shoe
	0325		7					Plug RH 30 sks
	0330	5	12		✓		400	Start Mud Flush
		5	20		✓		400	Start KCL Flush
	0335	5	232		✓		300	Start Cement 420 sks @ 11.2#/gal
			26		✓			100 sks @ 14.5
	0433							Drop Plug
								wash out Pump & Lines
	0435	6.5			✓		400	Start Displacement
	0500		87.6				900 1500	Lead Plug
								Release Dry
	0530							wash up Back up Circ <u>50</u> sks
								Job Complete
								Thank You
								Josh, Brian, Rob, John

M. Bradford Rine

Consulting Geologist, Licensed and Certified

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

Well Name: Kempe "A" North #8 - Venture Resources, Inc.
Location: S/2 - NE - SW, Section 31-10S-17W
License Number: API: 15-163-24117-00-00
Spud Date: May 15, 2013
Surface Coordinates: 1650' FSL & 1980' FWL,
of Section
Bottom Hole Vertical Wellbore
Coordinates: Production Csg Set
Ground Elevation (ft): 2072 Ft. K.B. Elevation (ft): 2079 Ft.
Logged Interval (ft): 2900 Ft. To: 3631 Ft. Total Depth (ft): RTD 3631 Ft. LTD 3629 Ft.
Formation: Arbuckle at Total Depth
Type of Drilling Fluid: Chemical

Region: Rooks County, Kansas
Drilling Completed: May 23, 2013
Field: Bemis-Shutts

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

Operator

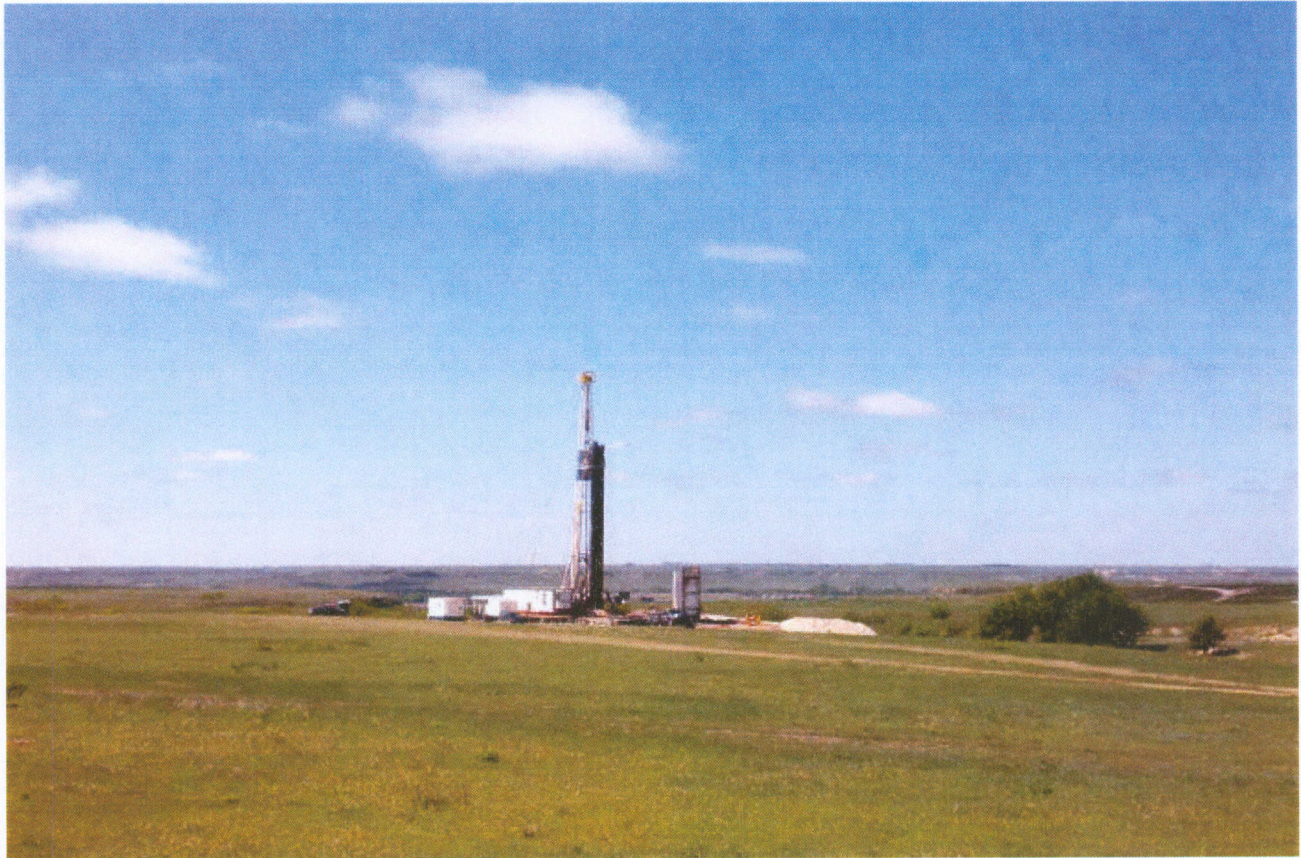
Company: Venture Resources, Inc.
Address: 2255 S Wadsworth, Suite 205
Lakewood, Colorado 80227

Geologist

Name: M. Bradford Rine
Company: Consulting Geologist, Kansas Lic. #204, Wyo #189, AAPG Cert. #2647
Address: 100 South Main, Suite #415
Wichita, Kansas 67202

Remarks

Based on sample observations, drill stem test results, and electric log evaluation, it was the decision of the Operator, to set production on the "Kempe "A" North #8, for further testing, on May 23, 2013.



Drilling Information

Rig: American Eagle #2
Pump: Emsco D-375 6.5 x 14
Drawworks: Emsco 250T
Collars: 527' 2-1/4" x 6-1/4"
Drillpipe: 4.5" 16.6# XH
Toolpusher: Brad Parker

Mud: Mudco (Gary Schmidtberger)
Gas Detector: None
Drill Stem Tests: Trilobite (Cody Bloedorn)
Logs: Pioneer (D. Kerr)
Water: Water well in Bemis
Company Representatives:
Office: Todd Smith
Field: John Cearly

Daily Drilling Status

Date: Operations/Depth/Comments
05-15-13 MIRT, RU, Spud @ 0'
05-16-13 Wait on Water @ 222'
05-17-13 Down for Repairs @ 644'
05-18-13 Drilling @ 2022'
05-19-13 CTCH for bit trip @ 2804'
05-20-13 Drilling @ 3203'
05-21-13 TBIH after DST 1 @ 3346'
05-22-13 TIH with DST 2 @ 3535'
05-23-13 On bottom/DST 3 @ 3631'
05-24-13 Ran production casing, plug down at 5:00 am.

Casing Record, Bit Record, Deviation Surveys

CASING:

Conductor: None

Surface:

Ran 5 jts, 8-5/8" 23# new. Set @ 220'. (Quality) cement with 150 sx common, 03% CC, 02% gel. Cement did circulate. Plug down at 10:30 pm, May 15, 2013.

Production:

Ran 86 jts 5-1/2" 14# new casing. Set @ 3627 ft, 3 ft open hole. (Swift) ran 32 bbl mud flush. Cemented with 550 sx of SMD, cement did circulate-approx 50 bbls to pit. Plug down @ 5:00 am. Cement 30 sx in rathole.

BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4	RR	RR	0	222	2
2	7-7/8	JZ	HA21SQ	222	2804	39.25
3	7-7/8	JZ	HA25TL	2804	3535	34.25
4	7-7/8	JZ	QX28	3535	3631	5.50

DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
1/2*	222'	3/4*	3631'
1/2*	2804'		
1/2*	3346'		

				Well A		Well B			
Venture Resources, Inc.				Bay Petroleum		TGT Co.			
Kempe "A" North #8				Kempe "A" #6		Kempe #5			
S2-NE-SW, 31-10S-17W				SW-NE-SW, 31-1-S-17W		SE-NE-SW, 31-10S-17W			
Rooks County, Kansas				Rooks County, Kansas		Rooks County, Kansas			
2079		KB		2065		2082		Well A	Well B
Formations	Sample	E-Log	Datum	E-Log	Datum	E-Log	Datum	Comparison(s)	
Anhydrite	1350	1347	732	1338	727	1355	727	5	5
B/Anhydrite	1383	1383	696	1370	695	1388	694	1	2
Topeka	3029	3028	-949	3014	-949	3033	-951	0	2
Heebner Sh	3254	3251	-1172	3240	-1175	3258	-1176	3	4
Toronto	3274	3270	-1191	3258	-1193	3277	-1195	2	4
Lansing	3294	3292	-1213	3282	-1217	3299	-1217	4	4
LKC "C"	3330	3326	-1247	3318	-1253	3337	-1255	6	8
Muncie Creek Sh	3419	3417	-1338	3404	-1339	3428	-1346	1	8
Stark Sh	3482	3479	-1400	3466	-1401	3490	-1408	1	8
B/Kansas City	3524	3521	-1442	3509	-1444	3532	-1450	2	8
Arbuckle	3628	3626	-1547	3612	-1547	3636	-1554	0	7
Total Depth	3631	3629	-1550	3615	-1550	3653	-1571	0	21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Venture Resources Inc
 2255 S. Wadesworth Ste 205
 Lakewood CO, 80227
 ATTN: Brad Rine

31-10s-17w Rook, KS
Kempe "A" North #8
 Job Ticket: 52196 **DST#: 1**
 Test Start: 2013.05.20 @ 21:37:05

GENERAL INFORMATION:

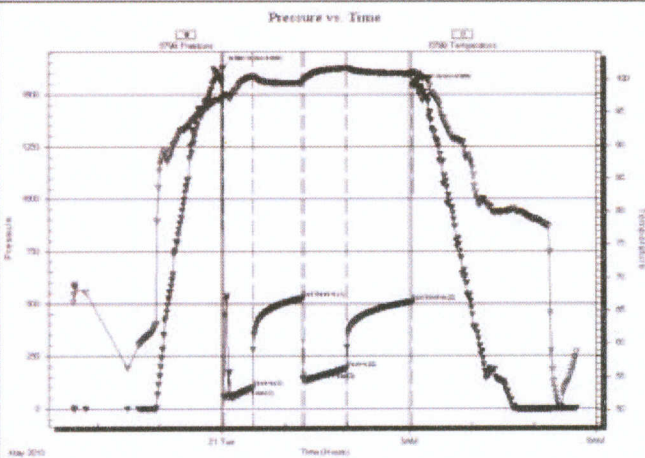
Formation: **Lansing "B,C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:01:30
 Time Test Ended: 05:41:14
 Interval: **3309.00 ft (KB) To 3346.00 ft (KB) (TVD)**
 Total Depth: 3346.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Cody Bloedorn
 Unit No: 43
 Reference Elevations: 2079.00 ft (KB)
 2074.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 189.45 psig @ 3310.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.20 End Date: 2013.05.21 Last Calib.: 2013.05.21
 Start Time: 21:37:05 End Time: 05:41:14 Time On Btm: 2013.05.21 @ 00:00:45
 Time Off Btm: 2013.05.21 @ 03:03:14

TEST COMMENT: 30 - IF- B.O.B. in 14 minutes
 45 - IS- No return
 45 - FF- 5" blow
 60 - FS- No return



PRESSURE SUMMARY

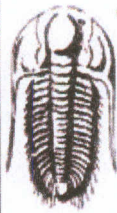
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1627.39	97.09	Initial Hydro-static
1	57.36	97.03	Open To Flow (1)
29	101.16	100.52	Shut-In(1)
76	523.50	99.44	End Shut-In(1)
79	133.78	100.06	Open To Flow (2)
119	189.45	101.73	Shut-In(2)
182	507.72	100.84	End Shut-In(2)
183	1537.95	101.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	GWM - show of oil, 10%G, 30%W, 60%F3.48	
124.00	GMW - show of oil, 5%G, 20%M, 75%W 1.74	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

Venture Resources Inc
2255 S. Wadesworth Ste 205
Lakewood CO, 80227

31-10s-17w Rook, KS

Kemp "A" North #8

Job Ticket: 52197

DST#: 2

Test Start: 2013.05.22 @ 05:20:00

ATTN: Brad Rine

GENERAL INFORMATION:

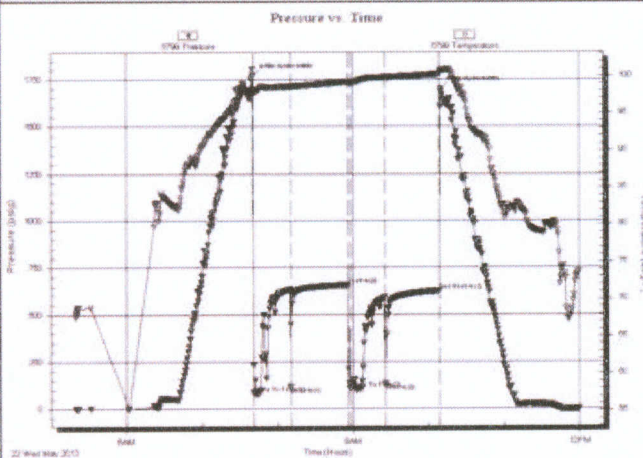
Formation: **LKC "H-M"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:41:15
 Time Test Ended: 11:59:45
 Interval: **3413.00 ft (KB) To 3535.00 ft (KB) (TVD)**
 Total Depth: 3535.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 43
 Reference Elevations: 2079.00 ft (KB)
 2074.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6799

inside

Press@RunDepth: 116.68 psig @ 3512.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.22 End Date: 2013.05.22 Last Calib.: 2013.05.22
 Start Time: 05:20:05 End Time: 11:59:44 Time On Btm: 2013.05.22 @ 07:40:45
 Time Off Btm: 2013.05.22 @ 10:10:00

TEST COMMENT: 30 - IF- 4" blow
 45 - IS- No return
 30 - FF- 1/2" blow
 45 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1770.79	98.20	Initial Hydro-static
1	83.50	97.81	Open To Flow (1)
30	116.68	98.38	Shut-in(1)
75	655.85	99.16	Shut-in(2)
77	104.33	99.04	Open To Flow (2)
106	132.32	99.68	Shut-in(3)
149	625.74	100.18	End Shut-in(1)
150	1699.35	100.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	VSOCM, 5%O, 95%M	1.30

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Tribolite Testing, Inc

Ref. No: 52197

Printed: 2013.05.22 @ 12:10:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Venture Resources Inc
2255 S. Wadesworth Ste 205
Lakewood CO. 80227

31-10s-17w Rook, KS

Kempe "A" North #8

Job Ticket: 52198 **DST#: 3**

Test Start: 2013.05.23 @ 03:26:00

ATTN: Brad Rine

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:38:45

Time Test Ended: 09:39:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 43

Interval: **3508.00 ft (KB) To 3631.00 ft (KB) (TVD)**

Total Depth: 3631.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2079.00 ft (KB)

2074.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799 **Inside**

Press@RunDepth: 800.47 psig @ 3607.00 ft (KB)

Start Date: 2013.05.23

End Date: 2013.05.23

Start Time: 03:26:05

End Time: 09:38:59

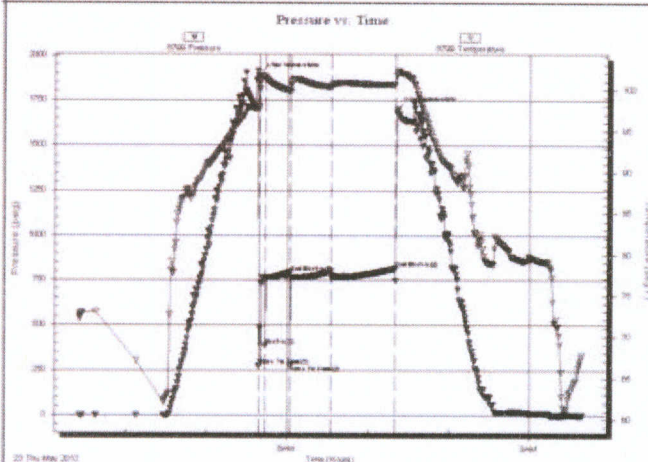
Capacity: 8000.00 psig

Last Calib.: 2013.05.23

Time On Btm: 2013.05.23 @ 05:38:30

Time Off Btm: 2013.05.23 @ 07:21:00

TEST COMMENT: 05 - IF- B.O.B. in 2 minutes
20 - ISI- No return
30 - FF- Built to 3" in 1 minutes, died back to 1 1/4" blow
45 - FSI- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.97	98.07	Initial Hydro-static
1	274.33	97.62	Open To Flow(1)
5	384.45	101.29	Shut-In(1)
24	793.33	99.88	End Shut-In(1)
24	279.57	99.67	Open To Flow(2)
54	800.47	100.33	Shut-In(2)
102	814.35	100.65	End Shut-In(2)
103	1700.79	101.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM, - wouldnt grind out	0.21
124.00	Mud, 100%M	1.74

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Rock Types

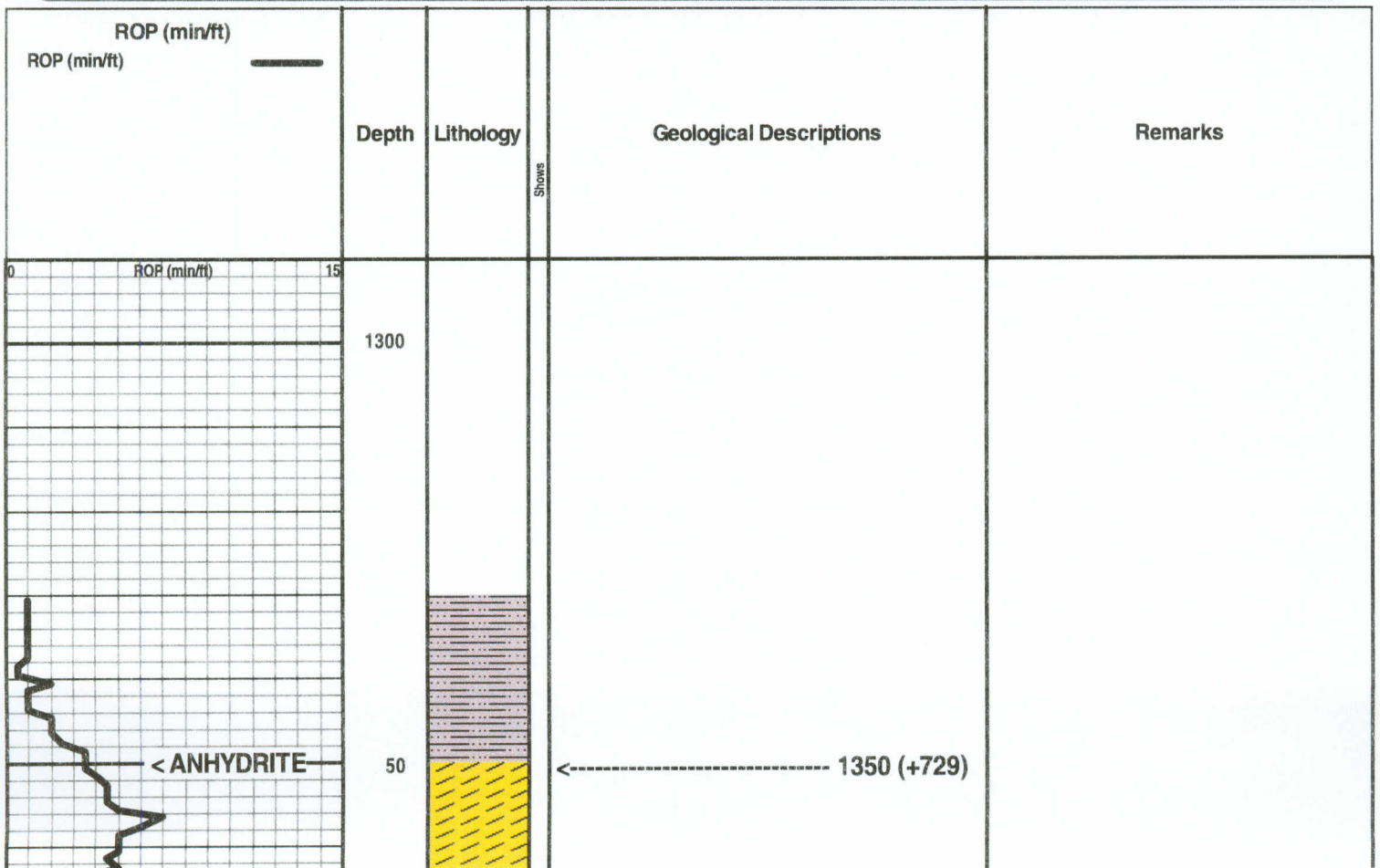
Anhy	Coal	Lmst	Shcol	Sltysht
Bent	Congl	Meta	Shgy	Shlysiltst
Brec	Dol	Mrlst	Sltst	Sandyls
Cht	Gyp	Salt	Ss	
Simpson sh	Igne	Shale	Till	

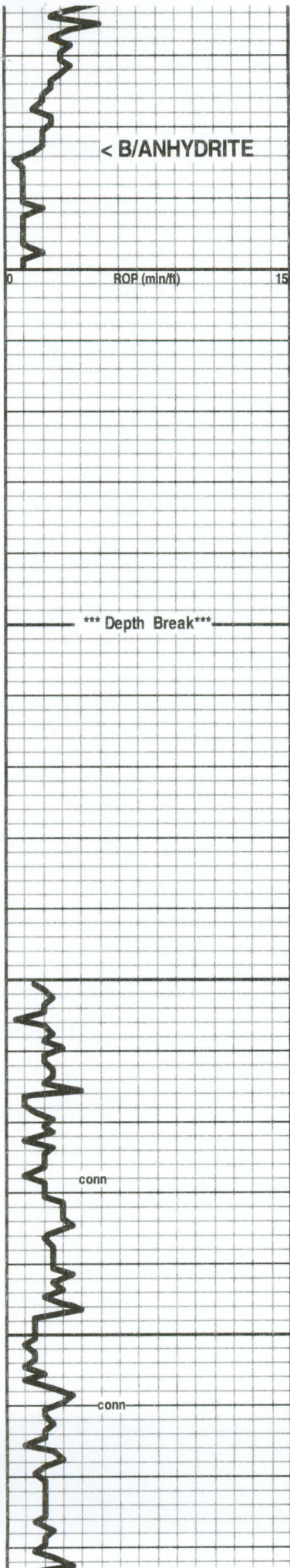
Accessories

MINERAL	Gyp	FOSSIL	Ostra	Sltstrg
Anhy	Hvymin	Algae	Pelec	Ssstrg
Arggrn	Kaol	Amph	Pellet	TEXTURE
Arg	Marl	Belm	Pisolite	Boundst
Bent	Minxl	Bioclst	Plant	Chalky
Bit	Nodule	Brach	Strom	Cryxln
Brecfrag	Phos	Bryozoa	STRINGER	Earthy
Calc	Pyr	Cephal	Anhy	Finexln
Carb	Salt	Coral	Arg	Grainst
Chtdk	Sandy	Crin	Bent	Lithogr
Chtlt	Silt	Echin	Coal	Microxln
Dol	Sil	Fish	Dol	Mudst
Feldspar	Sulphur	Foram	Gyp	Packst
Ferrpel	Tuff	Fossil	Ls	Wackest
Ferr		Gastro	Mrst	
Glau		Oolite		

Other Symbols

OIL SHOW	Spotted	Gas	INTERVAL
Gas show	Trace/ques		Core
Even	Dead		Dst



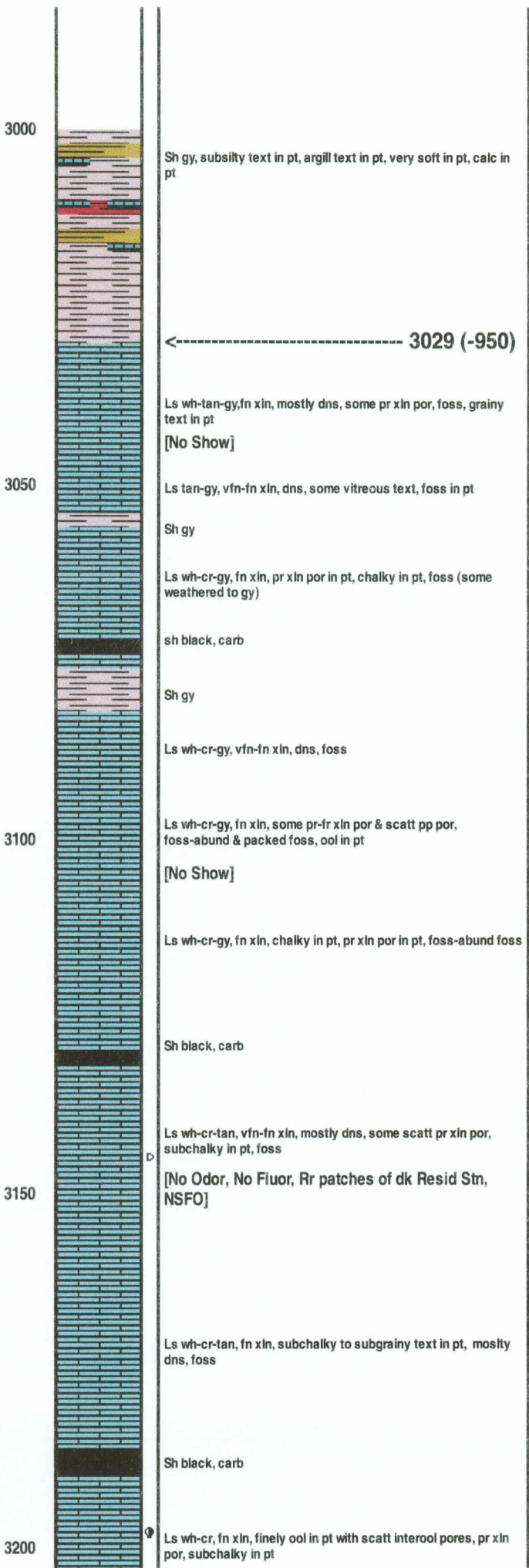
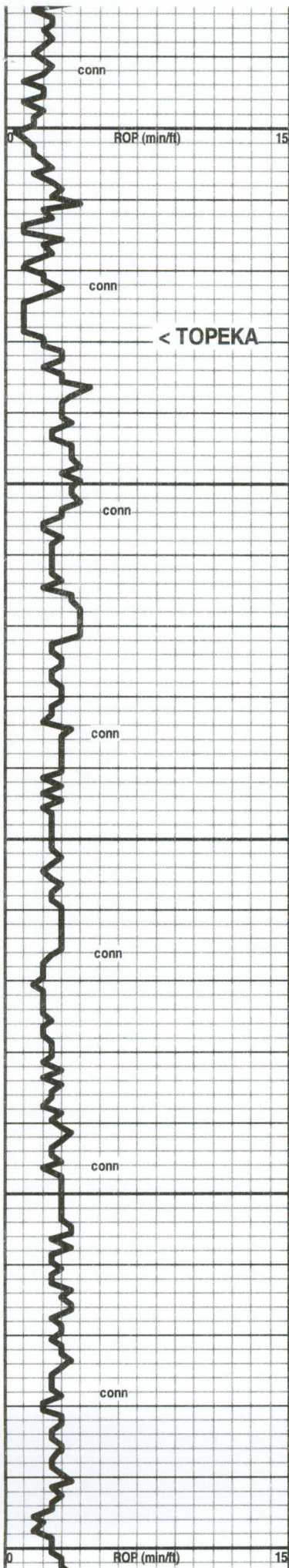


< B/ANHYDRITE

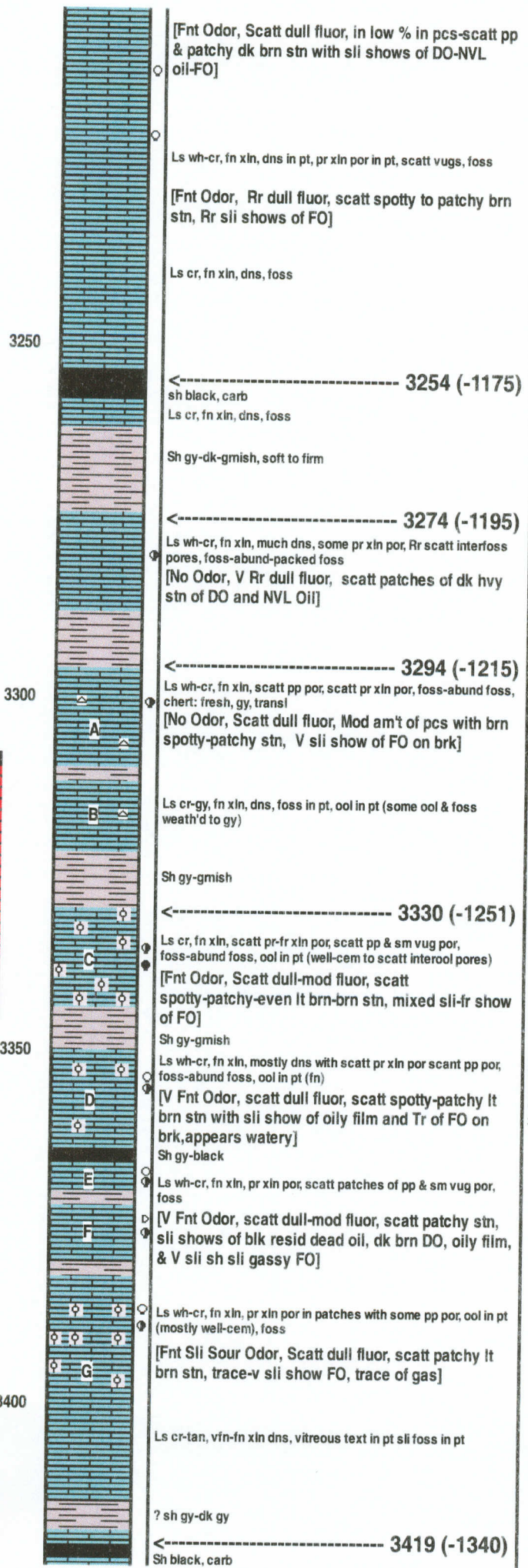
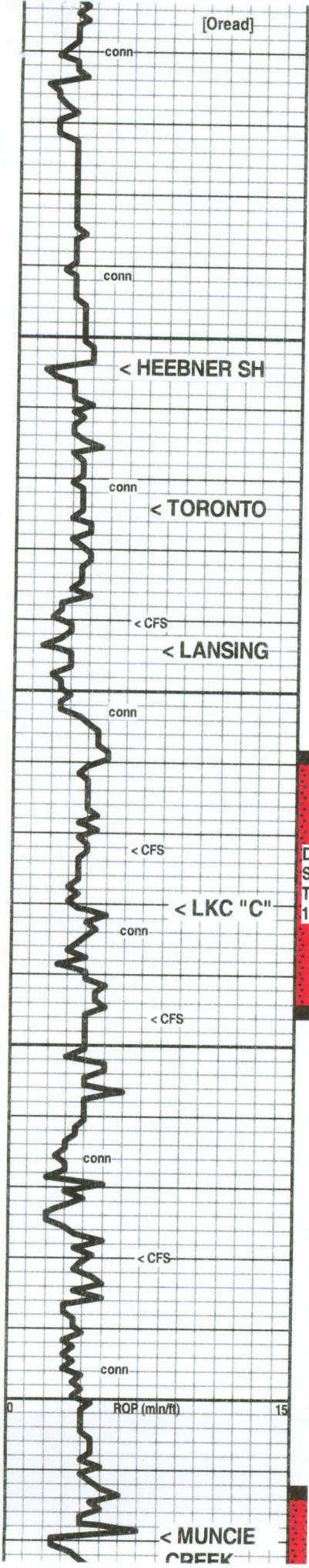
← 1383 (+696)

Bit Trip @ 2804 ft.
 Survey 1/2"
 Pipe Strap .97 ft Short

Displace & Mudup
 @ 2804 ft.



Mud Check, Drig @ 3166':
 Vis Wt WL LCM PV YP
 58 8.7 6.8 4 12 26
 Chl Hd pH Solids
 2500 Nil 11.5 2.7



[Fnt Odor, Scatt dull fluor, in low % in pcs-scatt pp & patchy dk brn stn with sli shows of DO-NVL oil-FO]

Ls wh-cr, fn xln, dns in pt, pr xln por in pt, scatt vugs, foss

[Fnt Odor, Rr dull fluor, scatt spotty to patchy brn stn, Rr sli shows of FO]

Ls cr, fn xln, dns, foss

3250

< HEEBNER SH

3254 (-1175)

sh black, carb

Ls cr, fn xln, dns, foss

Sh gy-dk-gmish, soft to firm

3274 (-1195)

Ls wh-cr, fn xln, much dns, some pr xln por, Rr scatt interfoss pores, foss-abund-packed foss

[No Odor, V Rr dull fluor, scatt patches of dk hvy stn of DO and NVL Oil]

3294 (-1215)

Ls wh-cr, fn xln, scatt pp por, scatt pr xln por, foss-abund foss, chert: fresh, gy, transl

[No Odor, Scatt dull fluor, Mod am't of pcs with brn spotty-patchy stn, V sli show of FO on brk]

Ls cr-gy, fn xln, dns, foss in pt, ool in pt (some ool & foss weath'd to gy)

Sh gy-gmish

3300

< CFS

< TORONTO

3330 (-1251)

Ls cr, fn xln, scatt pr-fr xln por, scatt pp & sm vug por, foss-abund foss, ool in pt (well-cem to scatt interool pores)

[Fnt Odor, Scatt dull-mod fluor, scatt spotty-patchy-even lt brn-brn stn, mixed sli-fr show of FO]

Sh gy-gmish

Ls wh-cr, fn xln, mostly dns with scatt pr xln por scant pp por, foss-abund foss, ool in pt (fn)

[V Fnt Odor, scatt dull fluor, scatt spotty-patchy lt brn stn with sli show of oily film and Tr of FO on brk, appears watery]

Sh gy-black

Ls wh-cr, fn xln, pr xln por, scatt patches of pp & sm vug por, foss

[V Fnt Odor, scatt dull-mod fluor, scatt patchy stn, sli shows of blk resid dead oil, dk brn DO, oily film, & V sli sh sli gassy FO]

Ls wh-cr, fn xln, pr xln por in patches with some pp por, ool in pt (mostly well-cem), foss

[Fnt Sli Sour Odor, Scatt dull fluor, scatt patchy lt brn stn, trace-v sli show FO, trace of gas]

Ls cr-tan, vfn-fn xln dns, vitreous text in pt sli foss in pt

? sh gy-dk gy

3350

< CFS

< LKC "C"

3400

ROP (min/ft)

15

< MUNCIE CREEK

3419 (-1340)

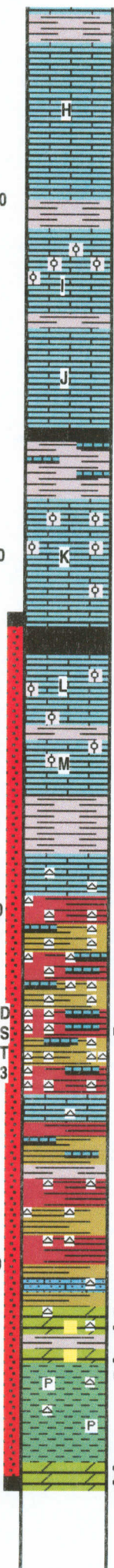
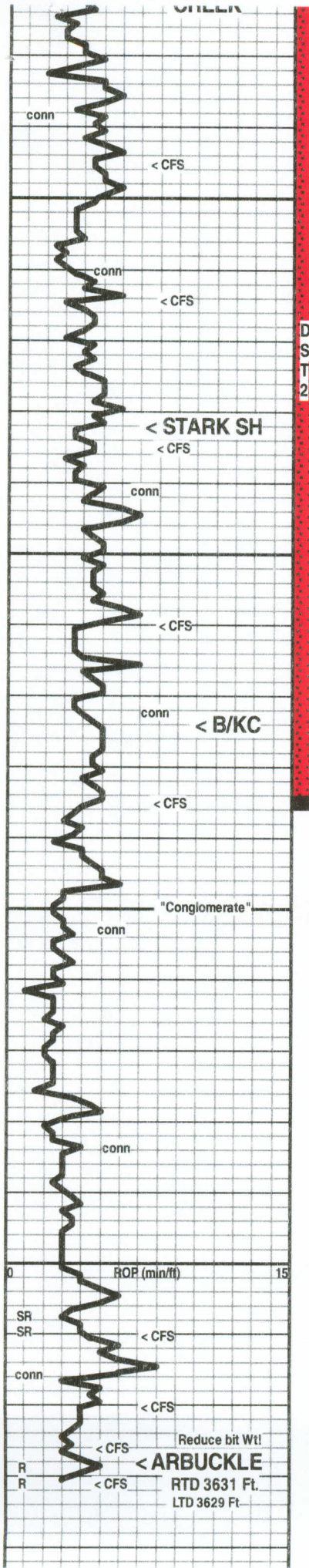
sh black, carb

DST 1

DST #1: 3309-3346 (LKC B,C)
 Times: 30-45-45-60
 Initial Blow: Strong, b.o.b. 14 min
 Final Blow: Fair, built to 5" in bucket
 Rec: 372' Total Fluid
 248' GWCM/ss: 10%g 30%w 60%
 124' GMCW/ss: 05%g 75%w 20%
 Sampler: 170 PSI, 2500 ml wtr/ss
 (Chl: 24000 ppm Chl mud 3000 ppm)
 IHP: 1627 FHP: 1537
 IFP: 57-101 FFP: 133-189
 ISIP: 523 FSIP: 507
 BHT: 100°F

7:00 AM, May 21, 2013

Mud Check, TBIH/Bit @ 3346':
 Vis Wt WL LCM PV YP
 54 9.0 7.2 4 15 24
 Chl Hd pH Solids
 3000 Tr 10.5 4.8



Sh gy-gmish

Ls wh-cr, fn xln, much dns with scatt pr xln por & pp por & sm vugs, foss
 [V Fnt Odor, Scatt dull-mod fluor, mostly patchy Stn with Rr even lt stn, Rr tr of FO on brk, late arrival of blk gilson/resid stn]

Ls cr, vfn-fn xln, dns with rr scatt vugs, foss in pt

Sh gy
 Ls wh-cr, fn xln, scatt pr xln por, scatt patches of fr xln por & pp por & sm vugs, subchalky in pt, foss, ool in pt (fn)
 [V Fnt (odd/chemical) Odor, abund dull-mod fluor, abund tan-lt brn-brn stn: spotty-patchy & even with sli show of FO on brk]

Ls wh-cr, fn xln, dns in pt, scatt pr xln por, scatt pp por, foss-abund foss with scatt interfoss pores
 Show Description ———>

----- 3482 (-1403)
 Sh black, carb
 Sh gy-gm, mushy-soft with some calc stringers

Ls wh-cr-gy, fn xkn, packed foss to packed ool in pt (mostly well-cem with scatt interool & interfoss pores)
 [No Odor, Scatt dull fluor, fr am't of lt brn patchy to even stn with Rr v sli show FO]
 Ls cr-gy vfn-fn xln, dns, foss

Sh black, carb

LS cr-tan, fn xln, mostly dns, scatt patches & pcs with pr xln por, V Rr sm vugs, foss, ool in pt
 Show Description ———>

----- 3524 (-1445)
 Ls wh-cr, fn xln, dns, ool in pt, Rr interool pores
 [No Odor, No fluor, Rr pcs with patchy lt brn stn, NSFO]
 Sh gy

Ls cr' vfn-fn xln, dns, pr xln por, chert: wh, fresh to subvitreous

50% chert: wh-ivory: fresh-devitrified, opa-q-trans; 430% Ls cr-gy, vfn-fn xln, dns; 20% shale: gy-gmish-dk
 [Scatt black resid/gilson stnon devitr chert]

80% chert: wh-ivory-tan-orange-gm, fresh with some devitrified, transl-opaq; 20% shale: gy-gmish-red; Tr of Ls
 [Scatt black resid/gilsonitic stn]

Ls, wh, vfn-fn xln, dns, cherty

Sh gy-reddish, some interbed with dns Ls

Mix of Chert: fresh-devitr, opa-q-subtransl, red-gm-purple-wh-yell-tan; Shale: red-gy-gm-yell, subearthy-argill text, subsilty text in pt; Silty Dol, vfn xln, dns

3610' 40 min spl: abund gm shale, mushy to talc to firm, abund dol, fn-submd gm, glassy/calc, pr-fr xln por, cherty, pyritic

[No Odor, No fluor, scatt v dk brn-black DO to Resid/gils stn]

3620' cfs: 80% shales, mostly red & gm, some dolom sdy as above
 [V fnt Odor, Rr dull fluor, spotty dk stn DO-Resid]

Sh red-epidote/turq gm (pyr in pt), low % of dol & chert

----- 3628 (-1549)
 Dol cr-tan, fn xln, pr-fr-gd xln por, scatt pp & sm vug por, pr-gd crush, Rr scatt pyrite patches
 [Stg Odor, Mod am't dull-mod fluor, abund patchy to even brn stn, mix sli-fr-gd show of NVL oil & FO]

DST #2: 3413-3535 (LKC H,I,J,K,L,M)
 Times: 30-45-30-45
 Initial Blow: Wk-built to 4" i.b.
 Final Blow: Wk, built to 1/2" i.b.
 Rec: 93' VSOCM: 05%oil 95% mud
 * (Severe plugging on flow periods)
 Splr: 110 psi, 300ml mud, 100ml oil
 IHP: 1770 FHP: 1699
 IFP: 83-116 FFP: 104-132
 ISIP: 655 FSIP: 625
 BHT: 100°F

[V Fnt Odor, Scatt dull-mod fluor, moderate am't patchy-marbled lt brn stn, fr am't oily scum on brk, Rr tr shows FO on brk with tr gas bubbles, some resid/gils stn]

[No Odor, Scatt V Dull fluor, low % pcs with patchy-even tan stn, NSFO on brk]

7:00 AM, May 22, 2013

Mud Check, TIH @ 3535':

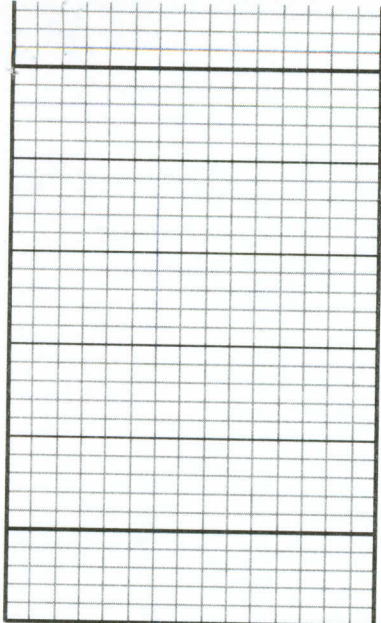
Vis	Wt	WL	LCM	PV	YP
60	9.0	7.6	4	16	29
Chl	Hd	pH	Solids		
2900	Tr	10.5	4.9		

DST #3: 3508-3631 (Arbuckle)
 Times: 05-20-30-45
 Initial Blow: Stg, b.o.b. 2 min, no b.b.
 Final Blow: Wk, built to 3", died back to 1-1/4" i.b.
 * (IFP partially plugged, FFP totally plugged off)
 Rec: 139' Total Fluid
 15' SOCM (black emulsion would not grind out)
 124' mud
 Splr: No recovery-plugged
 IHP 1887 FHP: 1700
 IFP: 274-384 FFP: 279-800
 ISIP: 793 FSIP: 814
 BHT: 100°F

7:00 AM, May 23, 2013

Mud Check, TIH/DST 3 @ 3631':

Vis	Wt	WL	LCM	PV	YP
62	9.0	7.8	4	12	25
Chl	Hd	pH	Solids		



3650

3700

2900 Tr 10.5 4.9