Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1184802

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33453
Name: Jones, Stephen C.
Address 1: 12 N ARMSTRONG ST
Address 2:
City: BIXBY State: OK Zip: 74008 + 4446
Contact Person: Steve Jones
Phone: (918) 366-3710
CONTRACTOR: License # 32548
Name: Kan-Drill, Inc.
Wellsite Geologist: Curtis Covey
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
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

06/12/2013	06/24/2013	03/01/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-031-23496-01-00
Spot Description:
SE - SE - NW - SE Sec. 30 Twp. 22 S. R. 14 ☑ East ☐ West
1485 Feet from ☐ North / ☑ South Line of Section
1485 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Coffey
Lease Name: Thomsen Well #: 1B
Field Name: Wildcat
Producing Formation: Mississippian Limestone
Elevation: Ground: 1166 Kelly Bushing: 1170
Total Vertical Depth: 1800 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 40 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: 25000 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated
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

☑ **Confidentiality Requested**
Date: 01/29/2014
☐ **Confidential Release Date:**
☐ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 02/11/2014

[redacted] 1184802

Operator Name: Jones, Stephen C. Lease Name: Thomsen Well #: 1B

Sec. 30 Twp. 22 S. R. 14 ☑ East ☐ West County: Coffey

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Mississippian Limestone	1800	

CASING RECORD ☑ New ☐ 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	14.75	10.75	32	40	Class A	57	2% gel- 3% cc
Intermediate	9.5	7	23	1916	Class A	500	10% Salt
Liner	6.1250	4.5	11.60	3070	0	0	N/A

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	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

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
20	Pre-Perforated Pipe	To be preformed at future date	2400' measured depth to

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
2.3750	3070	none	☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR.	Producing Method:
03/01/2014	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	0	0	0	0

DISPOSITION OF GAS:
☑ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☑ Other *(Specify)* Well has not yet been acidized for completion

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

OILWELL CEMENTERS,INC

P.O. BOX 510 - PHONE (580) 229 - 1776
HEALDTON, OKLAHOMA 73438

P.O. NO.
DATE 6/21/2013

J&J LATERAL CORPORATION 12 NORTH ARMSTRONG, BIXBY, OKLAHOMA 74008

NAME OF COMPANY — MAILING ADDRESS

WELL OWNER — MAILING ADDRESS

NAME OF CONTRACTOR — MAILING ADDRESS

TERMS: Accounts Due and Payable Upon Receipt. 1.5% (18% per yr) Finance charge Added to Accounts 30 Days Past Due.

Well owner or his Representative

FARM THOMSEN WELL NO. 1-B
COUNTY SEC TWN RGE
KIND OF JOB LONGSTRING

SIZE OF PIPE	7"	SIZE OF HOLE	8 3/4"				
DEPTH OF WELL	2100'	DEPTH OF WELL CEMENTED	1976'	DEPTH PLUG STOPPED	1976'		
KIND OF CEMENT	REG, 10% SALT,1/4# FLOCELE						
ASH MIX							
AMOUNT	500 SKS						
PRESSURE	MAXIMUM 1200	MINIMUM 700					
TIME OUT	1:00AM	ON LOC	5:00AM				
JOB STARTED	6:00AM	COMPLETE	8:00AM				
TYPE FLOATING EQUIPMENT		IR					

PRICE REF.NO.	1	@	$1,000.00	$1,000.00
1976	FEET	@	$0.25	$494.00
585	TRUCK MILES	@	$4.00	$2,340.00
195	PICKUP MILES	@	$2.00	$390.00
	CONN.OVER 6 FT.	@	$650.00	$0.00
	EXTRA HRS ON LOC.	@	$250.00	$0.00
1	PLUG CONTAINER	@	$350.00	$350.00
1	KS. PERMITS	@	$275.00	$275.00
		@		$0.00
		@		$0.00
		@		$0.00
		@		$0.00
		@		$0.00
		@		$0.00
UMP TRUCK CHARGES				$4,849.00

TRUCK NO. 244-242 BULK CEMENT

CEMENT	500 SACKS	@	$11.50	$5,750.00
ASH MIX	SACKS	@	$12.00	$0.00
% GEL	SACKS	@		$0.00
	CACL	@	$0.60	$0.00
125	FLO SEAL	@	$2.50	$312.50
2150	SALT	@	$0.50	$1,075.00
	FLA	@	$9.25	$0.00
	TRP-TWP	@		$0.00
	GUIDE SHOE	@		$0.00
1	FLOAT SHOE	@	$375.00	$375.00
	FLOAT COLLAR	@		$0.00
	INSERT FLOAT	@		$0.00
	CENTRALIZERS	@		$0.00
	BASKETS	@		$0.00
	MUDD FLUSH	@	$1.00	$0.00
	KCL	@	$40.00	$0.00
1	AFU KIT	@	$60.00	$60.00
	SAND	@	$0.50	$0.00
2	THREAD LOCK	@	$60.00	$120.00
1	LDP	@	$350.00	$350.00
MATERIAL COST				$8,042.50
OKLA. SALE TAX				$0.00
COUNTY SALE TAX				$0.00
DUMPING CHARGE	500		$4.00	$2,000.00
TOTAL MATERIALS				$10,042.50
PUMP TRUCK				$4,849.00
Sub Total				$14,891.50
Discount 10%				$1,489.15
TOTAL				$13,402.35

RUCK NO. 225
EMENTER M.HOLDERFIELD HELPER: M.MCGUIRE/M.VANBRUNT/P.RICHARDSON.
EMARKS: BREAK CIRC., PUMP 10 BBLS F/W AHEAD, MIX AND PUMP 500 SKS REG. CEMENT, WASH PUMP AND LINES, RELEASE PLUG, DISPLACE W/
0 BBLS F/W. BUMPED PLUG, FLOAT HELD.

INVOICE NO. 30289

...l Services, Inc.
...Road
Madison, KS 66860
Office # 620-437-2661
Brad Cell # 620-437-6765

HURRICANE SERVICES INC
OILFIELD SERVICES
MADISON, KANSAS

Ticket Number 100267
Location Madison
Foreman Brad Butler

Cement Service ticket

Date	Customer #	Well Name & Number	Sec./Township/Range	County
6-12-13		Thomsen # 1B	30-22s-14E	Coffey
Customer		**Mailing Address**	**City**	**State** / **Zip**
Stephen C. Jones		12 N. Armstrong St.	Bixby	OK 74008-4446

Job Type: Surface Pipe

			Truck #	Driver
			201	Kelly
Hole Size: 15"	Casing Size: 10¾"	Displacement: 3.5 Bbls	202	Jerry
Hole Depth:	Casing Weight: 32 lb.	Displacement PSI:	106	Austin
Bridge Plug:	Tubing:	Cement Left in Casing: 5'		
Packer:	PBTD:	43' of 10¾"		

Quantity Or Units	Description of Servcies or Product		
		Pump charge	790.00
15	Mileage	$3.25/Mile	48.75
57 sacks	Regular cement	14.15	806.55
160 lbs	CACl2 3%	.75	120.00
3 Hrs.	Water Truck	84.00	252.00
15 miles	Truck # 290	1.50	22.50
Tons	Bulk Truck > minimum charge	$1.15/Mile	250.00
	Plugs		
		Subtotal	2289.80
		Sales Tax	67.64
		Estimated Total	2357.44

Remarks: Rig upto Surface Pipe, Break circulation with fresh water. Mixed 57 sks Reg cement w/ 3% CACl2. Displaced cement with 3½ Bbls water. Shut down - close casing in with Good cement returns.

Job complete - Teardown

"Thank you"

Witnessed by Rodney
Customer Signature

(Rev. 1-2011)

Covey
The Well Watchers

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

Well Name:	THOMSEN #1B
Location:	Section 30 - Township 22 South - Range 14 East
Licence Number:	15-031-23,496 - 01.00 Region: Coffee County, KS.
Spud Date:	12 June 2013 Drilling Completed:
Surface Coordinates:	1,485' FSL & 1,485' FEL, SE/W (Approximately SE SE NW SE)
Bottom Hole Coordinates:	Horizontal RTD (' MD) reported to be ' Northth & ' West of surface coordinates.
Ground Elevation (ft):	1,181' K.B. Elevation (ft):
Logged Interval (ft):	935' MD To: 'MD Total Depth (ft):
Formation:	Lansing ------> Mississippi GEOLOG 1
Type of Drilling Fluid:	Chemical; Low Solids (non-dispersed)

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

OPERATOR

Company: STEPHEN C. JONES
Address: 12 North Armstrong Street
Bixby, Oklahoma 74008
(918) 366-3710

POC
Steve Jones

GEOLOGIST

Name: Curtis Covey
Company: COVEY - The Well Watchers
Address: 6548 Bedford Circle
Derby,Kansas 67037
Office: (316) 776 - 0367 Cell: (316) 217-4679

KB: NA

FORMATION TOPS

GL: 1,181'

Formation	Rotary Sample Depth (Datum from GL)	E-log Depth (Datum)
Stark Sh	1,058' MD / TVD 1,058' (+123')	No open hole log was performed on the well.
B / KC	1,114' MD / TVD 1,114' (+67')	
Altamont	1,274' MD / YVD 1,260' (- 79')	
Lexington Coal		
Scammon		
Riverton Coal		
Miss (Chert)		

MRTD: LTD: NA ATD: NA

GEOLOG 1 - VERTICAL & CURVE

14-3/4" Hole

12 June -- Spud @ 1pm.
Drill to 44'.
Run 10-3/4" casing (#)
Set casing @ 40'.
Cemented w/ sx
Class A (2% Gel + 3% CC).
[Hurricane Well Service]
Cement circulated to surface.
Plug down @ 6:30pm.
WOC.

9-1/2" Hole (Vertical)

13 June -- Under surface casing @ 2:50am.
7am @ 771'. Drill to 935'

9-1/2" Hole (Curve)

14 June -- CHC.
7am @ 935'.
BHA Trip @ 935'.
15 -- Resumed Drilling @ 3am.
7am @ 982'. Drill to 1,248'.
Mud Pump Clutch Problem.
16 -- 7am @ 1,248.
Resumed Drilling @10pm.
17 -- 7am @ 1,383'.
18 -- 7am @

GEOLOG 2 - HORIZONTAL

6-1/8" Hole (Horizontal)

HOLE DEVIATION (44' - ')

GEOLOG 1

DEPTH / TVD	INCLINATION	AZIMUTH	NORTH	SOUTH	EAST	WEST	DOGLEG deg/100'
44' / 44'	0 (Surface)						
			KOP @ 937'				
937' / 936.9'	1.0	211.4		11.6'		4.9'	1.2
969' / 968.9'	2.1	316.2		11.6'		5.4'	8.0
1,000' / 999.8'	10.7	330.2		10.0'		6.9'	10.7
1,095' / 1,093.3'	14.5	334.5	4.8'			13.6'	9.1
1,189' / 1,182.2'	24.4	324.8	30.7'			29.2'	7.7

CONTRACTOR

KAN-DRILL Drilling — Rig #1

610 East Main
Blue Mound, Kansas 66010
Office: (913) 756-2619

Rig #1 -

Toolpusher: Donnie Rhynerson (620)

Pump: Gardner DenverFXN
6-1/2" x 14" @ 80 SPM.
680 PSI @ Standpipe.

After BHA Trip @ 935':
Con Emsco F-650
6-1/2" X 8" @ 58 SPM.
778 psi @ Standpipe.

Drill Pipe: 4-1/2"XH, (16#/ft - used)

BIT RECORD

DATE	SIZE	TYPE	JET SIZE	DEPTH IN / OUT	CUM. FT.	HOURS	Ft/Hr ROP
12 June 2013	14-3/4"	R-T	NA	0' / 44'	44'	4.0	11.0
13 June 2013	9-1/2"	SMITH HAL357GX	20-20-20	44' /			

ROCK TYPES

POROSITY
- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

LITHOLOGY
- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Granite wash
- Congl
- Dol lmst
- Silty dol
- Calc dol
- Dol 2
- Dol
- Gyp
- Igne
- Lmst 2
- Lmst
- Meta
- Mrlst
- Salt
- Shale 3
- Shale 3
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Till
- Ss 2

MINERAL
- Mica
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Copper
- Oolitlcastic
- Ooloid
- Oolite
- Sucrosic
- Dark specks

STRINGER
- Calc dol
- Silty dol
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Dol ls
- Ls
- Mrst
- Calc dol
- Sltstrg
- Ssstrg
- Chalk
- New symbol

SHOW
- Oil
- Spotted
- Ques
- Dead
- Gas
- Oil/gas
- Bed contact

ACCESSORIES

FOSSIL
- Algae
- Amph
- Belm
- Blocist
- Brach
- Bryozoa
- Cephal
- Coral
- Spore
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

MINERAL
- Mica
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Copper
- Oolliticastic
- Ooloid
- Oolite
- Sucrosic
- Dark specks

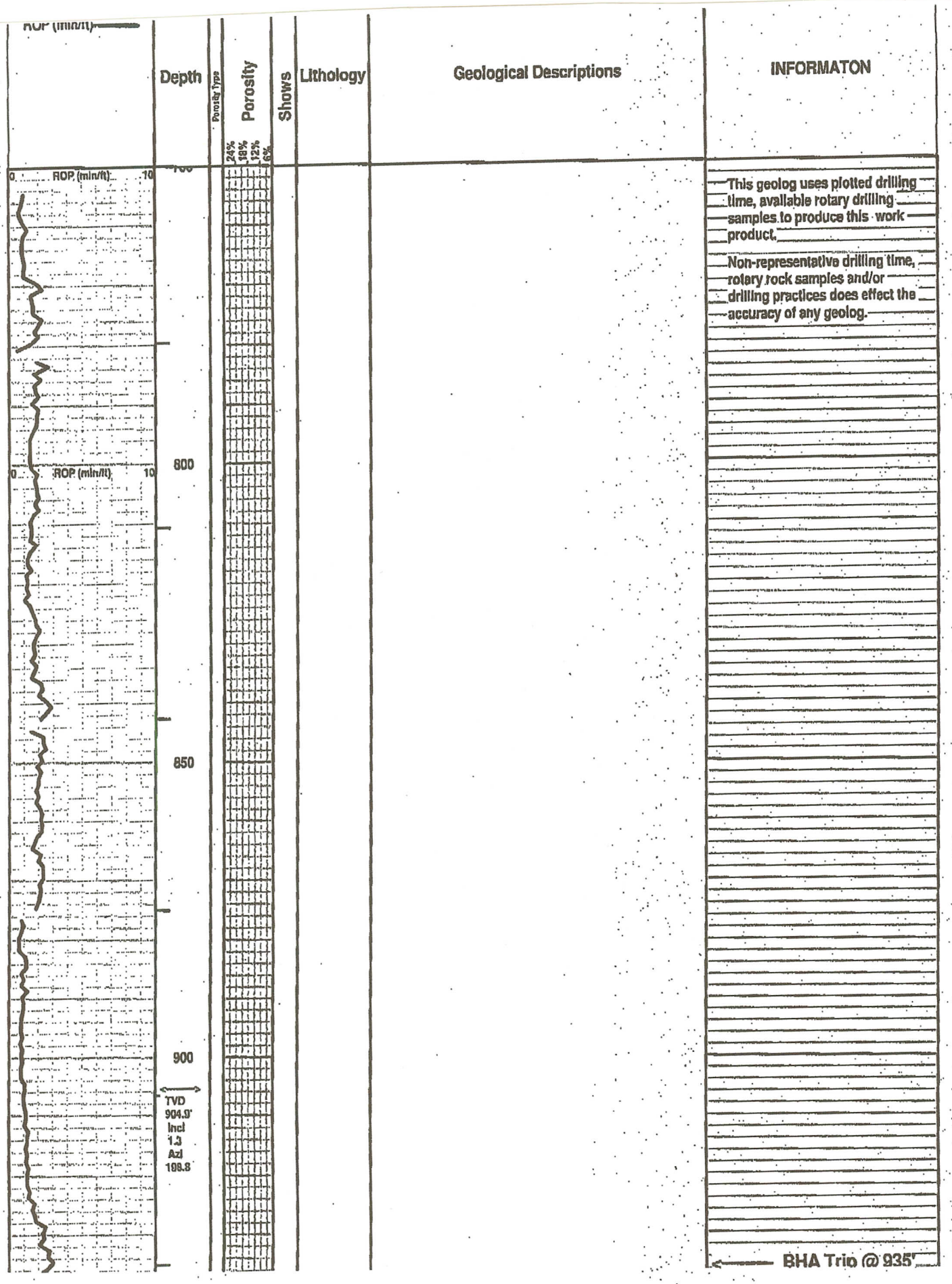
STRINGER
- Calc dol
- Silty dol
- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Dol ls
- Ls
- Mrst
- Calc dol
- Sltstrg
- Ssstrg
- Chalk
- New symbol

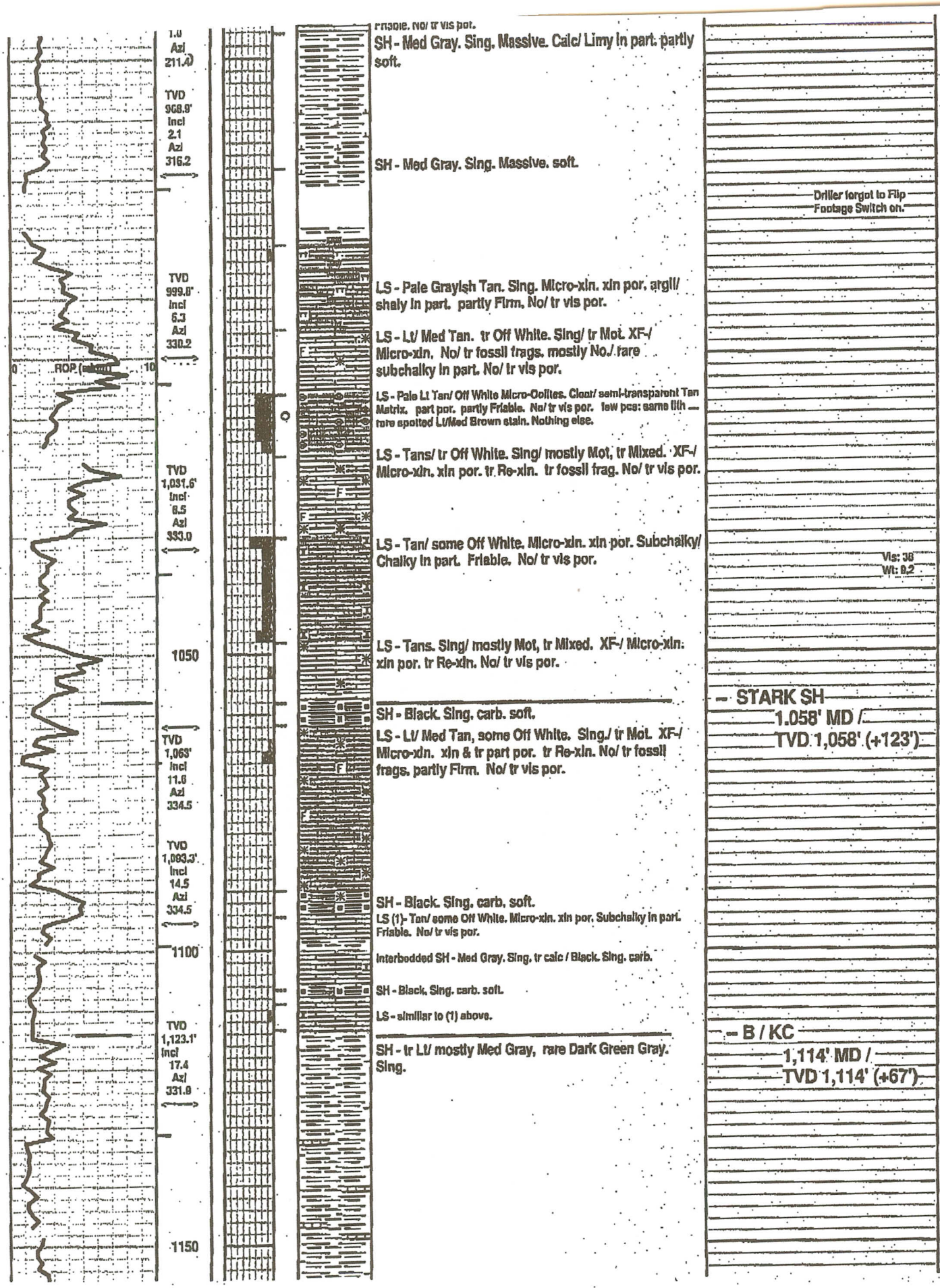
OTHER SYMBOLS

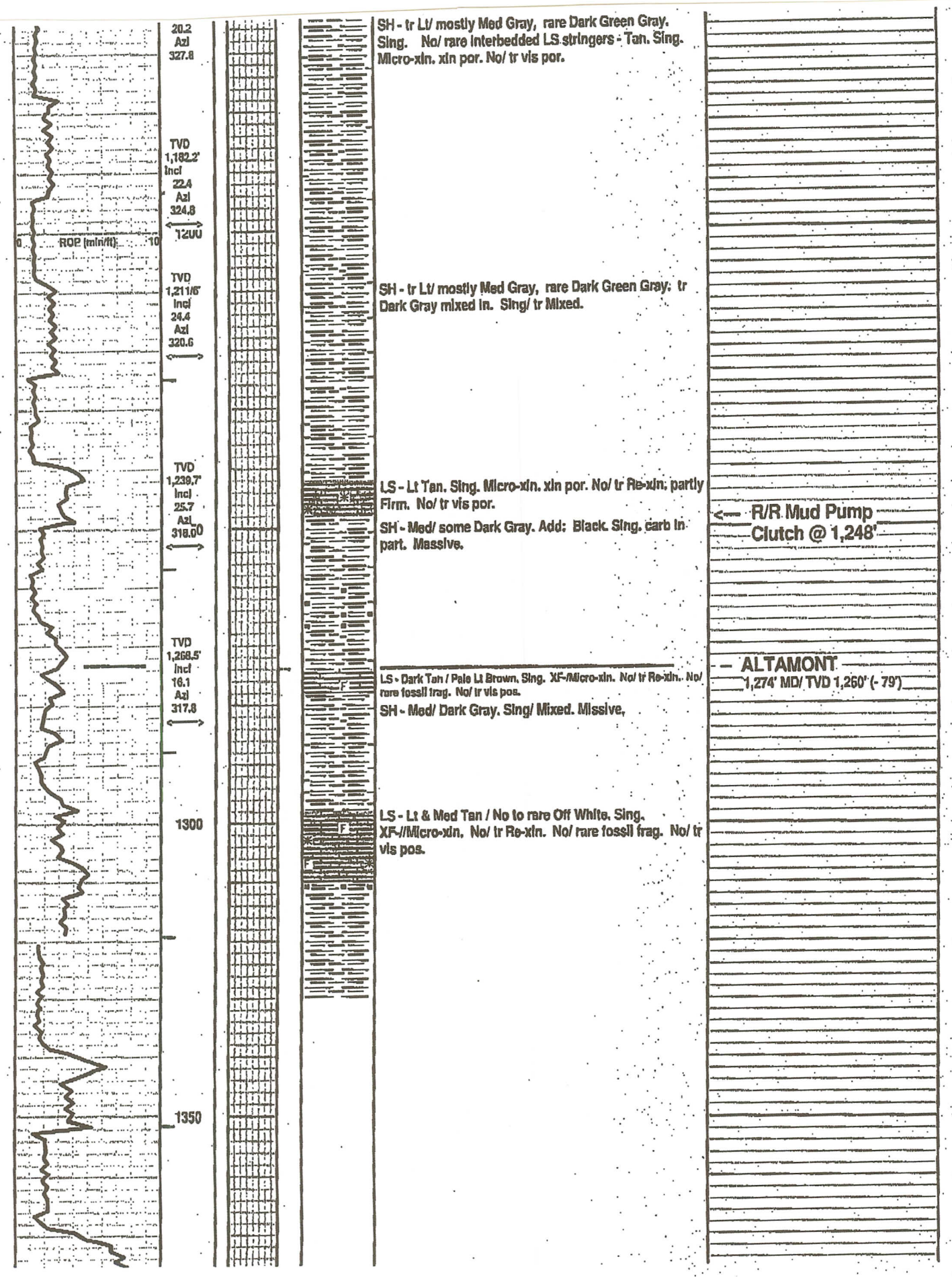
ACTIVITY
- Lost circluation
- Circulate for sam
- Circulate for sam
- Rtd
- Trip

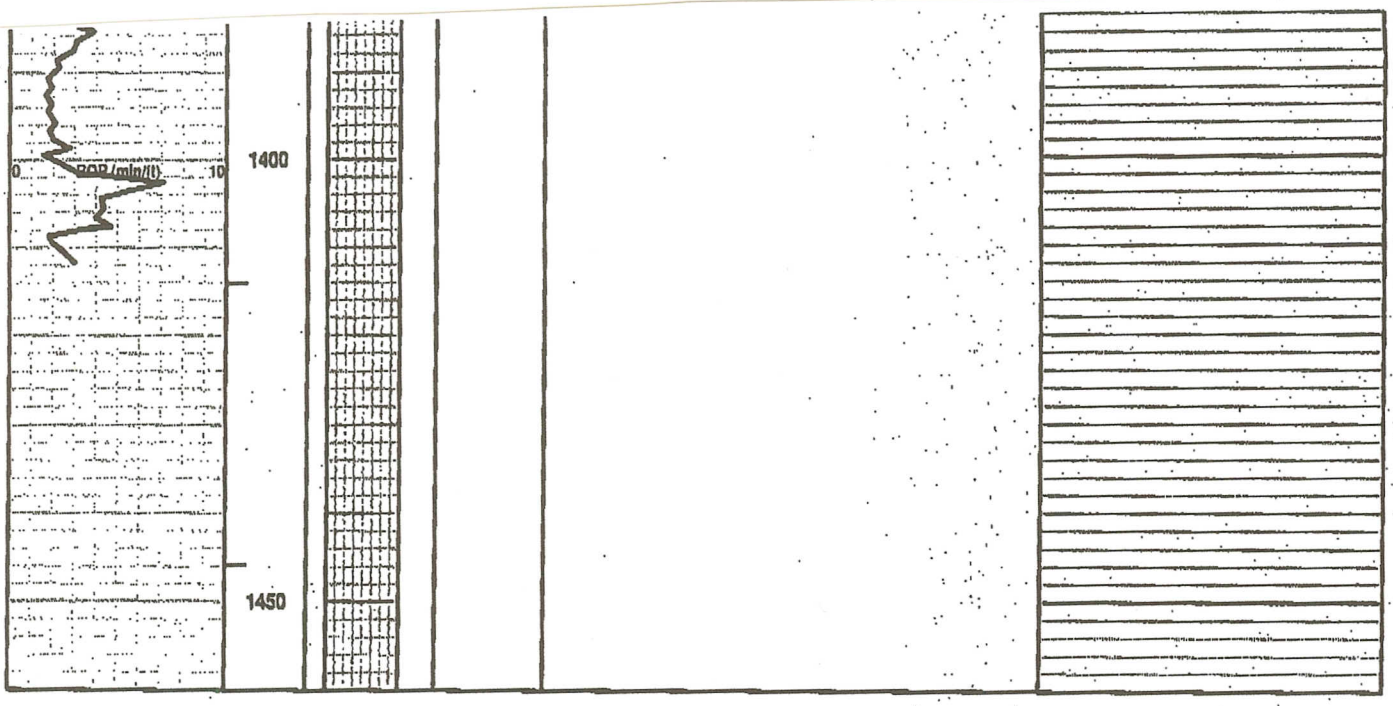
EVENT
- Connection
- Rft

- Sidewall


ROP (min/ft)
Depth
Porosity Type
Porosity
24%
18%
12%
6%
Shows
Lithology
Geological Descriptions
INFORMATON
0 ROP (min/ft) 10
800
850
900
TVD
904.9'
Incl
1.3
Azi
198.8
This geolog uses plotted drilling time, available rotary drilling samples to produce this work product.
Non-representative drilling time, rotary rock samples and/or drilling practices does effect the accuracy of any geolog.
BHA Trip @ 935'


1.0
Azi
211.4
TVD
968.9'
Incl
2.1
Azi
316.2
TVD
999.8'
Incl
6.3
Azi
330.2
0
ROP (min/ft)
10
TVD
1,031.6'
Incl
8.5
Azi
333.0
1050
TVD
1,063'
Incl
11.6
Azi
334.5
TVD
1,093.3'
Incl
14.5
Azi
334.5
1100
TVD
1,123.1'
Incl
17.4
Azi
331.8
1150
Friable. No/ tr vis por.
SH - Med Gray. Sing. Massive. Calc/ Limy in part. partly soft.
SH - Med Gray. Sing. Massive. soft.
LS - Pale Grayish Tan. Sing. Micro-xln. xln por. argil/ shaly in part. partly Firm. No/ tr vis por.
LS - Lt/ Med Tan. tr Off White. Sing/ tr Mot. XF-/ Micro-xln. No/ tr fossil frags. mostly No./ rare subchalky in part. No/ tr vis por.
LS - Pale Lt Tan/ Off White Micro-Oolites. Clear/ semi-transparent Tan Matrix. part por. partly Friable. No/ tr vis por. few pcs: same lith — rare spotted Lt/Med Brown stain. Nothing else.
LS - Tans/ tr Off White. Sing/ mostly Mot, tr Mixed. XF-/ Micro-xln. xln por. tr Re-xln. tr fossil frag. No/ tr vis por.
LS - Tan/ some Off White. Micro-xln. xln por. Subchalky/ Chalky in part. Friable. No/ tr vis por.
LS - Tans. Sing/ mostly Mot, tr Mixed. XF-/ Micro-xln. xln por. tr Re-xln. No/ tr vis por.
SH - Black. Sing. carb. soft.
LS - Lt/ Med Tan, some Off White. Sing./ tr Mot. XF-/ Micro-xln. xln & tr part por. tr Re-xln. No/ tr fossil frags. partly Firm. No/ tr vis por.
SH - Black. Sing. carb. soft.
LS (1)- Tan/ some Off White. Micro-xln. xln por. Subchalky in part. Friable. No/ tr vis por.
Interbedded SH - Med Gray. Sing. tr calc / Black. Sing. carb.
SH - Black. Sing. carb. soft.
LS - similar to (1) above.
SH - tr Lt/ mostly Med Gray, rare Dark Green Gray. Sing.
Driller forgot to Flip Footage Switch on.
Vis: 38
Wt: 9.2
STARK SH
1,058' MD /
TVD 1,058' (+123')
B / KC
1,114' MD /
TVD 1,114' (+67')


20.2
Azi
327.8
TVD
1,182.2'
Incl
22.4
Azi
324.8
1200
0 ROP (min/ft) 10
TVD
1,211.6'
Incl
24.4
Azi
320.6
TVD
1,239.7'
Incl
25.7
Azi
318.0
TVD
1,268.5'
Incl
16.1
Azi
317.8
1300
1350
SH - tr Lt/ mostly Med Gray, rare Dark Green Gray. Sing. No/ rare interbedded LS stringers - Tan. Sing. Micro-xln. xln por. No/ tr vis por.
SH - tr Lt/ mostly Med Gray, rare Dark Green Gray; tr Dark Gray mixed in. Sing/ tr Mixed.
LS - Lt Tan. Sing. Micro-xln. xln por. No/ tr Re-xln; partly Firm. No/ tr vis por.
SH - Med/ some Dark Gray. Add: Black. Sing. carb in part. Massive.
LS - Dark Tan / Pale Lt Brown. Sing. XF-/Micro-xln. No/ tr Re-xln. No/ rare fossil frag. No/ tr vis pos.
SH - Med/ Dark Gray. Sing/ Mixed. Missive.
LS - Lt & Med Tan / No to rare Off White. Sing. XF-/Micro-xln. No/ tr Re-xln. No/ rare fossil frag. No/ tr vis pos.
<-- R/R Mud Pump Clutch @ 1,248'
ALTAMONT
1,274' MD/ TVD 1,260' (- 79')


0
10
1400
1450

J and J Lateral Corp.

Company: J and J Lateral Corp.
Site: Thomsen
Well: 1B
Project: Coffey County, Kansas (NAD 83)
Rig Name: Can Drill #1

MS Energy Services.
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T G M

Azimuths to Grid North
True North: -1.59°
Magnetic North: 1.44°

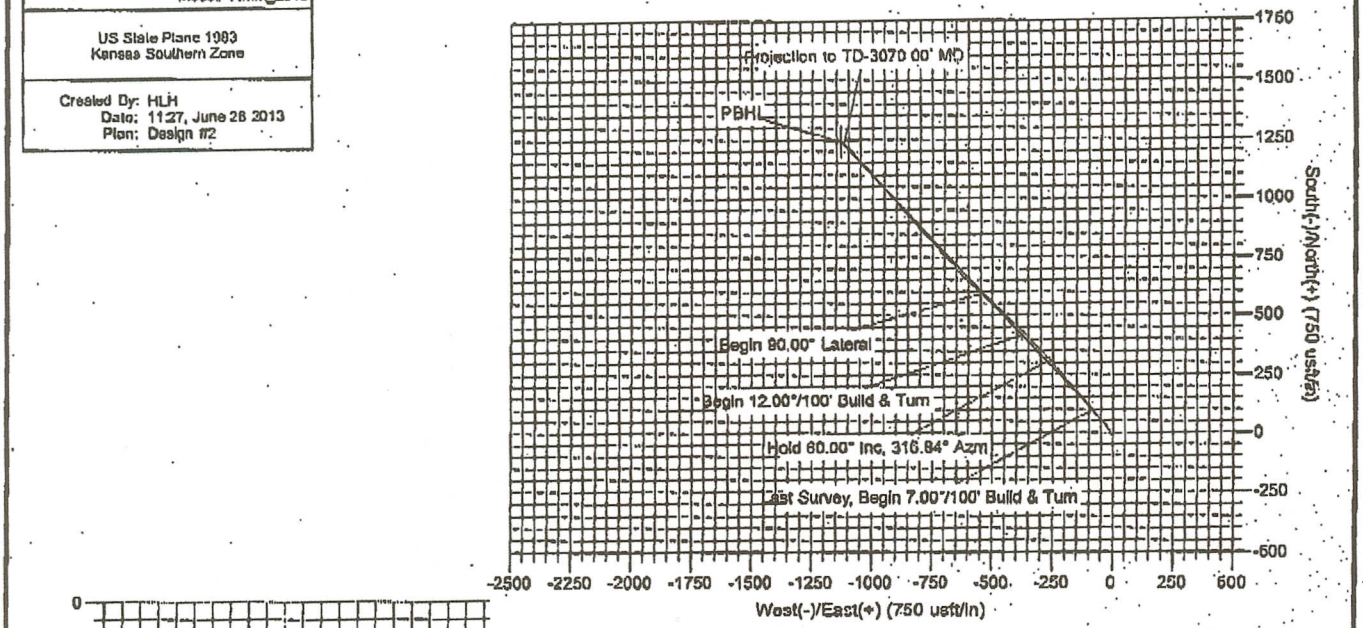
Magnetic Field
Strength: 52389.8nT
Dip Angle: 66.24°
Date: 2013/06/11
Model: WMM_2010

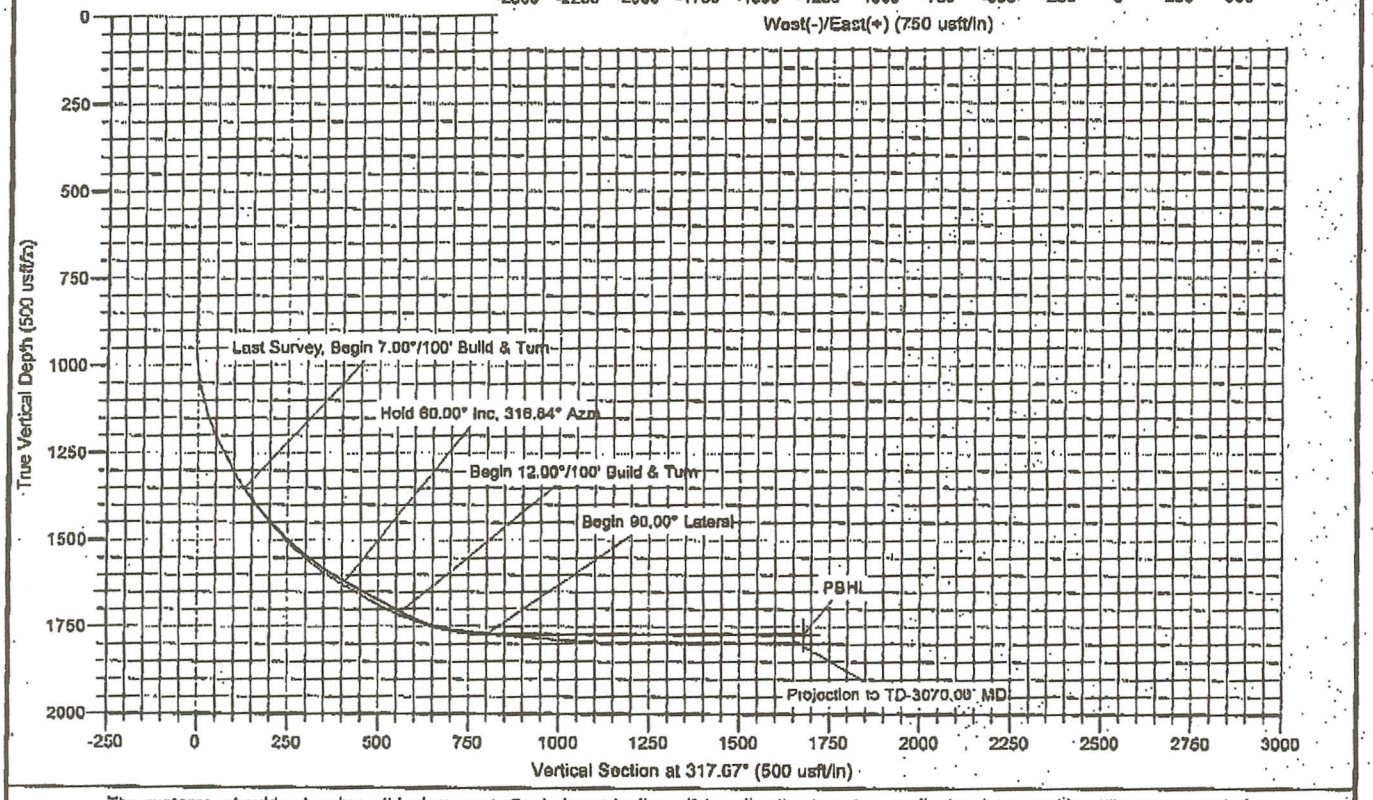
US State Plane 1983
Kansas Southern Zone

Created By: HLH
Date: 11:27, June 28 2013
Plan: Design #2

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1379.00	32.70	320.10	1351.49	95.89	-84.97	128.11	0.00	Last Survey, Begin 7.00°/100' Build & Turn
1770.36	60.00	316.84	1619.11	304.60	-272.29	408.54	280.47	Hold 60.00° Inc, 316.84° Azm
1948.17	60.00	316.84	1700.01	416.92	-377.83	562.81	434.46	Begin 12.00°/100' Build & Turn
2190.25	90.00	317.67	1772.00	592.38	-539.62	801.31	673.27	Begin 90.00° Lateral
3076.40	90.00	317.67	1772.00	1241.57	-1130.97	1679.46	1551.42	PBHL





The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by MS Energy are at the sole risk and responsibility of the customer. MS Energy is not responsible for the accuracy of this schematic or the information contained herein.

J and J Lateral Corp.

Coffey County, Kansas (NAD 83)
Thomsen
1B

Wellbore #1

Survey: MS MWD

Standard Survey Report

28 June, 2013

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Survey Report

MS Energy Services
WWW.MSENERGYSERVICES.COM

Company:	J and J Lateral Corp.	**Local Co-ordinate Reference:**	Well 1B
Project:	Coffey County, Kansas (NAD 83)	**TVD Reference:**	WELL @ 1164.00usft (Can Drill #1)
Site:	Thomsen	**MD Reference:**	WELL @ 1164.00usft (Can Drill #1)
Well:	1B	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys	**Database:**	Well Planning Conroe

Project Coffey County, Kansas (NAD 83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Kansas Southern Zone		

Well 1B

Well Position	**+N/-S**	0.00 usft	**Northing:**	1,845,103.36 usft	**Latitude:**	38° 6' 4.9379 N
	+E/-W	0.00 usft	**Easting:**	2,057,789.33 usft	**Longitude:**	95° 54' 32.490 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	1,157.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	WMM_2010	2013/06/11	3.03	66.24	52,390

Design Surveys

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	317.67

Survey Program **Date** 2013/06/28

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
878.00	3,070.00	MS MWD (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
878.00	1.50	202.40	877.90	-10.63	-4.38	-4.91	0.17	0.17	0.00
905.00	1.30	198.80	904.89	-11.24	-4.61	-5.20	0.81	-0.74	-13.33
937.00	1.00	211.40	936.89	-11.82	-4.88	-5.46	1.22	-0.94	39.38
969.00	2.10	316.20	968.88	-11.64	-5.43	-4.95	7.96	3.44	327.50
1,000.00	5.30	330.20	999.81	-9.99	-6.53	-2.98	10.65	10.32	45.16
1,032.00	8.50	333.00	1,031.57	-6.60	-8.34	0.74	10.05	10.00	8.75
1,063.00	11.60	334.50	1,062.09	-1.74	-10.72	5.93	10.03	10.00	4.84
1,095.00	14.50	334.40	1,093.26	4.78	-13.84	12.85	9.06	9.06	-0.31
1,126.00	17.40	331.90	1,123.07	12.37	-17.70	21.06	9.61	9.35	-8.06
1,157.00	20.20	327.80	1,152.41	20.99	-22.74	30.83	9.98	9.03	-13.23
1,189.00	22.40	324.80	1,182.23	30.65	-29.20	42.32	7.67	6.88	-9.38
1,221.00	24.40	320.60	1,211.59	40.74	-36.91	54.97	8.13	6.25	-13.13
1,252.00	25.70	318.00	1,239.68	50.68	-45.47	68.09	5.49	4.19	-8.39
1,284.00	26.10	317.80	1,268.46	61.05	-54.84	82.07	1.28	1.25	-0.63

Company:	J and J Lateral Corp.	**Local Co-ordinate Reference:**	Well 1B
Project:	Coffey County, Kansas (NAD 83)	**TVD Reference:**	WELL @ 1164.00usft (Can Drill #1)
Site:	Thomsen	**MD Reference:**	WELL @ 1164.00usft (Can Drill #1)
Well:	1B	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys	**Database:**	Well Planning Conroe

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,315.00	27.60	318.80	1,296.12	71.51	-64.15	96.07	5.05	4.84	3.23
1,347.00	30.00	319.50	1,324.16	83.17	-74.23	111.47	7.57	7.50	2.19
1,379.00	32.70	320.10	1,351.49	95.89	-84.97	128.11	8.49	8.44	1.88
1,410.00	35.20	320.60	1,377.20	109.22	-96.02	145.40	8.11	8.06	1.61
1,442.00	35.90	321.20	1,403.24	123.66	-107.75	163.98	2.44	2.19	1.88
1,474.00	37.50	321.40	1,428.89	138.58	-119.71	183.06	5.01	5.00	0.63
1,506.00	39.90	322.00	1,453.86	154.28	-132.11	203.02	7.59	7.50	1.88
1,538.00	41.80	322.00	1,478.07	170.78	-144.99	223.89	5.94	5.94	0.00
1,569.00	43.90	321.70	1,500.79	187.35	-158.01	244.91	6.81	6.77	-0.97
1,601.00	45.90	321.40	1,523.46	205.04	-172.06	267.45	6.28	6.25	-0.94
1,632.00	48.00	320.90	1,544.62	222.68	-186.27	290.06	6.88	6.77	-1.61
1,664.00	50.50	321.20	1,565.51	241.53	-201.51	314.26	7.84	7.81	0.94
1,695.00	52.70	320.00	1,584.76	260.30	-216.93	338.52	7.72	7.10	-3.87
1,727.00	55.20	319.20	1,603.59	280.00	-233.70	364.37	8.07	7.81	-2.50
1,759.00	57.00	317.80	1,621.44	299.89	-251.30	390.93	6.70	5.63	-4.38
1,790.00	59.10	317.20	1,637.84	319.28	-269.07	417.23	6.97	6.77	-1.94
1,822.00	59.40	317.60	1,654.21	339.53	-287.68	444.73	1.43	0.94	1.25
1,854.00	59.30	317.50	1,670.52	359.84	-306.27	472.26	0.41	-0.31	-0.31
1,886.00	59.40	317.40	1,686.83	380.12	-324.88	499.79	0.41	0.31	-0.31
1,929.00	64.00	317.40	1,707.21	407.98	-350.50	537.64	10.70	10.70	0.00
1,960.00	67.70	315.00	1,719.90	428.39	-370.08	565.91	13.87	11.94	-7.74
1,991.00	70.80	313.10	1,730.88	448.53	-390.92	594.83	11.53	10.00	-6.13
2,023.00	74.40	312.10	1,740.45	469.20	-413.39	625.25	11.64	11.25	-3.13
2,054.00	76.90	311.10	1,748.13	489.13	-435.85	655.11	8.65	8.06	-3.23
2,085.00	81.10	313.10	1,754.04	509.53	-458.42	685.39	14.95	13.55	6.45
2,116.00	82.10	313.60	1,758.57	530.58	-480.72	715.97	3.60	3.23	1.61
2,147.00	82.30	313.50	1,762.78	551.75	-502.98	746.60	0.72	0.65	-0.32
2,178.00	82.20	312.50	1,766.96	572.69	-525.44	777.21	3.21	-0.32	-3.23
2,209.00	83.20	313.70	1,770.90	593.70	-547.89	807.86	5.01	3.23	3.87
2,241.00	84.70	315.00	1,774.27	615.95	-570.65	839.63	6.19	4.69	4.06
2,272.00	84.70	314.60	1,777.13	637.70	-592.55	870.46	1.28	0.00	-1.29
2,304.00	84.00	315.50	1,780.28	660.23	-615.05	902.27	3.55	-2.19	2.81
2,335.00	84.10	318.30	1,783.50	682.74	-636.11	933.10	8.99	0.32	9.03
2,367.00	86.00	319.40	1,786.26	706.75	-657.09	964.97	6.85	5.94	3.44
2,397.00	86.00	320.00	1,788.35	729.57	-676.45	994.88	2.00	0.00	2.00
2,429.00	86.60	319.70	1,790.42	753.98	-697.04	1,026.79	2.10	1.88	-0.94
2,459.00	87.60	318.50	1,791.94	776.63	-716.65	1,056.74	5.20	3.33	-4.00
2,490.00	86.40	318.30	1,793.56	799.78	-737.21	1,087.69	3.92	-3.87	-0.65
2,522.00	86.20	317.80	1,795.62	823.53	-758.55	1,119.63	1.68	-0.63	-1.56
2,553.00	87.00	318.40	1,797.46	846.56	-779.22	1,150.57	3.22	2.58	1.94
2,584.00	88.10	318.50	1,798.79	869.74	-799.76	1,181.54	3.56	3.55	0.32
2,615.00	91.40	317.80	1,798.92	892.83	-820.44	1,212.53	10.88	10.65	-2.26
2,647.00	92.20	318.10	1,797.92	916.58	-841.86	1,244.52	2.67	2.50	0.94
2,674.00	92.40	318.30	1,796.83	936.69	-859.84	1,271.49	1.05	0.74	0.74

Company:	J and J Lateral Corp.	**Local Co-ordinate Reference:**	Well 1B
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Site:	Thomsen	**MD Reference:**	WELL @ 1164.00usft (Can Drill #1)
Well:	1B	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys	**Database:**	Well Planning Conroe

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,705.00	91.10	319.10	1,795.89	959.97	-880.29	1,302.47	4.92	-4.19	2.58
2,736.00	88.50	320.00	1,795.99	983.55	-900.40	1,333.45	8.88	-8.39	2.90
2,768.00	88.70	319.80	1,796.78	1,008.02	-921.01	1,365.42	0.88	0.63	-0.63
2,799.00	88.80	319.70	1,797.45	1,031.68	-941.04	1,396.39	0.46	0.32	-0.32
2,831.00	89.20	319.90	1,798.01	1,056.12	-961.69	1,428.36	1.40	1.25	0.63
2,862.00	89.60	319.60	1,798.34	1,079.77	-981.72	1,459.34	1.61	1.29	-0.97
2,894.00	89.80	319.30	1,798.50	1,104.09	-1,002.52	1,491.33	1.13	0.63	-0.94
2,925.00	90.10	319.40	1,798.53	1,127.61	-1,022.71	1,522.31	1.02	0.97	0.32
2,956.00	90.10	319.30	1,798.48	1,151.13	-1,042.91	1,553.30	0.32	0.00	-0.32
2,988.00	90.10	318.60	1,798.42	1,175.26	-1,063.92	1,585.29	2.19	0.00	-2.19
3,004.00	90.20	319.00	1,798.38	1,187.30	-1,074.46	1,601.29	2.58	0.63	2.50
3,070.00	90.20	319.00	1,798.15	1,237.11	-1,117.76	1,667.27	0.00	0.00	0.00
Projection to TD-3070.00' MD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
3,070.00	1,798.15	1,237.11	-1,117.76	Projection to TD-3070.00' MD

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
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Shari Feist Albrecht, Chair
Thomas E. Wright, Commissioner
Jay Scott Emler, Commissioner

Sam Brownback, Governor

February 07, 2014

Steve Jones
Jones, Stephen C.
12 N ARMSTRONG ST
BIXBY, OK 74008-4446

Re: ACO-1
API 15-031-23496-01-00
Thomsen 1B
SE/4 Sec.30-22S-14E
Coffey County, Kansas

Dear Steve Jones:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 06/12/2013 and the ACO-1 was received on January 29, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department