



KANSAS CORPORATION COMMISSION 1048821
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 # 6039
Name: L.D. Drilling, Inc.
Address 1: 7 SW 26TH AVE
Address 2: _____
City: GREAT BEND State: KS Zip: 67530 + 6525
Contact Person: L. D. DAVIS
Phone: (620) 793-3051
CONTRACTOR: License # 33323
Name: Petromark Drilling, LLC
Wellsite Geologist: RANDALL KILIAN
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 #: _____

07/01/2010 07/05/2010 07/06/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-009-25428-00-00
Spot Description: _____
SW SE SW Sec. 2 Twp. 16 S. R. 14 ☐ East ☒ West
330 Feet from ☐ North / ☒ South Line of Section
1,650 Feet from ☐ East / ☒ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☒ SW
County: Barton
Lease Name: DEFENBAUGH Well #: 2-2
Field Name: TRAPP
Producing Formation: NA
Elevation: Ground: 1873 Kelly Bushing: 1878
Total Depth: 3332 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 881 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: 0000 ppm Fluid volume: 80 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: L. D. DRILLING, INC.
Lease Name: DON License #: 6039
Quarter NE Sec. 2 Twp. 16 S. R. 14 ☐ East ☒ West
County: BARTON Permit #: D28411

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 Garrison Date: 01/04/2011



1048821

Operator Name: L.D. Drilling, Inc. Lease Name: DEFENBAUGH Well #: 2-2
 Sec. 2 Twp. 16 S. R. 14 ☐ East ☒ West County: Barton

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 ☐ Yes ☒ No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey ☐ Yes ☒ No Cores Taken ☐ Yes ☒ No Electric Log Run ☐ Yes ☒ No Electric Log Submitted Electronically ☐ Yes ☐ No <i>(If no, Submit Copy)</i> List All E. Logs Run:	☐ Log Formation (Top), Depth and Datum ☒ Sample Name Top Datum Attached Attached Attached
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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	12.25	8.625	24	881	ACON	200	
SURFACE	12.25	8.625	24	881	COMMON	175	2\$CC, 1/4#CF

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 (Amount and Kind of Material Used)	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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L.D. Drilling, Inc.
Well Name	DEFENBAUGH 2-2
Doc ID	1048821

Tops

ANHYDRITE	849	+1029
ANHYDRITE BASE	879	+999
TOPEKA	2784	-906
HEEBNER SHALE	3019	-1141
TORONTO	3036	-1158
BROWN LIME	3088	-1210
BASE KANSAS CITY	3314	-1436
CONGLOMERATE	3314	-1436
RTD	3332	-1454



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 1988 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>7-2-10</u> DISTRICT <u>KANSAS</u>		NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:	
CUSTOMER <u>L.D. Drilling</u>		LEASE <u>DEFENBAUGH</u> 2-2 WELL NO.	
ADDRESS		COUNTY <u>Barton</u> 2-16-14 STATE <u>Kans.</u>	
CITY STATE		SERVICE CREW <u>A. Worth, K. Lecky, Edmundo</u>	
AUTHORIZED BY		JOB TYPE: <u>8 3/8" Surface</u>	
EQUIPMENT#	HRS	EQUIPMENT#	HRS
<u>28443 P.U.</u>	<u>1 1/2</u>		
<u>33708-20920</u>	<u>1 1/2</u>		
<u>19960-19918</u>	<u>1 1/2</u>		
TRUCK CALLED		DATE <u>7-2-10</u> AM <u>7:00</u>	
ARRIVED AT JOB		DATE <u>7-2-10</u> AM <u>10:50</u>	
START OPERATION		DATE <u>7-2-10</u> AM <u>11:30</u>	
FINISH OPERATION		DATE <u>7-2-10</u> AM <u>1:00</u>	
RELEASED		DATE <u>7-2-10</u> AM <u>2:00</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
CP101	A-con Blend		200-sk		\$ 3600.00
CP100	Common		175-sk		\$ 2800.00
CC102	Cell Flake		94-lb		\$ 347.80
CC109	CALCIUM CHLORIDE		894-lb		\$ 938.70
CF105	Top Rubber cnt Plug. 8 3/8"		1-cn		\$ 225.00
E100	Unit mileage Charge Pickup		7.5-mi.		\$ 318.75
E101	Heavy Equip Mileage		150-mi.		\$ 1050.00
E113	Bulk Del. Chg.		13.24-lb		\$ 2118.00
E201	Depth Chg 501-1000'		1-4hrs		\$ 1200.00
CE204	Blending & mixing Service Chg.		375-sk		\$ 525.00
CE504	Plus container Utilization Chg.		1-Tol		\$ 250.00
S003	Service Supervisor first 8hrs on loc.		1-cn		\$ 175.00

CHEMICAL / ACID DATA:			

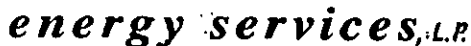
SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	

\$ 7316.04
DLS

SERVICE REPRESENTATIVE Allen F. Worth THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: J. M. Mink

FIELD SERVICE ORDER NO.

(WELL OWNER, OPERATOR CONTRACTOR OR AGENT)



Customer L.O. Drilling Inc		Lease No.		Date	
Lease Deffenbaugh		Well # 2-2		7-2-10	
Field Order # 171X1988A	Station Pratt Ls	Casing 8 5/8	Depth 881'	County Barton	State Ks.
Type Job 8 5/8" Surface			Formation T0 886	Legal Description 2-16-14	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 8 3/4	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 881	Depth	From	To	Pre Pad	Max		5 Min.
Volume 54.7 bbl	Volume	From	To	Pad	Min		10 Min.
Max Press 500 psi	Max Press	From	To	Frac	Avg		15 Min.
Well Connection P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 861	Packer Depth	From	To	Flush H ₂ O	Gas Volume		Total Load

Customer Representative				Station Manager <u>Scotty</u>				Treater <u>Allen F. Wright</u>			
Service Units	<u>28443</u>	<u>33708</u>	<u>20920</u>	<u>19960</u>	<u>19918</u>						
Driver Names	<u>Wright</u>	<u>Kenneth L. L.</u>	<u>Edmundo</u>								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:50 AM					on loc. Discuss Safety, Setup, Plan Job
10:55					Start 8 5/8" Casing in Hole. 24"
11:50					cir @ 881 w/ Rig
			80	5 1/2	Start mix 200SKS A-con @ 12.5"
				5 1/2	Start mix 175SKS com w/ 20% cc
			38		Finish mix
					Release Top Rubber Plug
12:45				6	Start Disp.
			54 1/2		Finish Disp
1:00	500 ⁺			3	Plug down
	0 ⁺				Shut in @ well
					Release PST
2:00					Washup & Rack up Equip.
					Job complete
					cont To P.T.
					Thanks Allen, Keenan
					Edward



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 02207 A

2-165-14W

DATE _____ TICKET NO. _____

DATE OF JOB 7-6-10 DISTRICT Pratt, Kansas		NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:	
CUSTOMER L.D. Drilling, Incorporated		LEASE Defenbaugh WELL NO. 2-2	
ADDRESS		COUNTY Barton STATE Kansas	
CITY STATE		SERVICE CREW C. Messick: M. Mattal: M. McGraw	
AUTHORIZED BY		JOB TYPE: C.N.W. - Plug To Abandon	
EQUIPMENT#	HRS	EQUIPMENT#	HRS
19,866	2.25		
19,903-19,905	2.25		
19,826-19,860	2.25		
TRUCK CALLED 7-5-10 AM 10:30		DATE 7-6-10 AM 1:30	
ARRIVED AT JOB		START OPERATION 5 AM 2:30	
FINISH OPERATION 5 AM 4:45		RELEASED 7-6-10 AM 5:15	
MILES FROM STATION TO WELL 75			

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
CP103	60/40 Poz Cement	sk	195		\$ 2,340 00
CC200	Cement Gel	Lb	336		\$ 84 00
E100	Pickup Mileage	mi	75		\$ 318 75
E101	Heavy Equipment Mileage	mi	150		\$ 1,050 00
E113	Bulk Delivery	tm	630		\$ 1,008 00
CE204	Cement Pump: 3,001 Feet To 4,000 Feet	Job	1		\$ 2,160 00
CE240	Blending and Mixing Service	sk	195		\$ 273 00
S003	Service Supervisor	Job	1		\$ 175 00

CHEMICAL / ACID DATA:			

SUB TOTAL \$ 4,667 51

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

TOTAL
KC

SERVICE REPRESENTATIVE Shawn EPP	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Shawn EPP
---	--

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



energy services, L.P.

TREATMENT REPORT

Customer E.D. Drilling, Incorporated	Lease No. 2-2	Date 7-6-10
Lease Defenbaugh	Well # 2-2	
Field Order # 2207	Station Pratt, Kansas	Casing 4 1/2" x-Hole Drill Pipe
Type Job C.N.W. - Plug To Abandon	Formation	County Barton
		State Kansas
		Legal Description 2-165-14W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size	4 1/2" Drill Pipe	Shots		195 sacks	60/40 P. 2 with	ISIP		
Depth	Depth	From	To	48 Gel	Max		5 Min.	
Volume	Volume	From	To	13.79 Lb/Gal	Min	6.90 Gal/st.	10 Min.	1.42 CU.FT./st.
Max Press	Max Press	From	To	30 sacks to Plug Rat Hole	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Drilling mud and Fresh Water	Gas Volume	Total Load	

Customer Representative	E.D. Davis	Station Manager	David Scott	Treater	Clarence R. Messick
Service Units	19,866	19,903	19,905	19,926	19,860
Driver Names	Messick	Mattal	Mc Graw		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:30					Trucks on location and hold safety meeting.
2:27		300		5	1 st Plug 3,310 Feet - 25 sacks cement
		350	20	5	start Fresh water Pre-Flush.
		250	26	5	" mixing cement.
		200	36	6	" Fresh Water Displacement.
2:38	-0-	-0-	66		" Drilling mud Displacement.
					Stop pumping.
3:44		250		5	2 nd Plug 931 Feet - 50 sacks cement
		275	10	5	Start Fresh Water Pre-Flush.
		-0-	22	5	start mixing cement.
3:50		-0-	29		" Fresh Water Displacement.
					Stop pumping.
4:10		200		5	3 rd Plug 373 Feet - 80 sacks Cement
		-0-	20	5	Start mixing cement.
4:15		-0-	21		" Fresh Water Displacement
					Stop pumping.
4:29		-0-		3	4 th Plug 40 Feet - 10 sacks
4:30			2.5		Start mixing cement
		-0-	7.5	3	Cement Circulated to surface. Stop pumping.
					Plug Rat Hole - 30 sacks
					Wash up pump truck.
5:15					Job Complete.

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Thank You Clarence M. M. M.

Taylor Printing, Inc. 620-672-3656

Randall Kilian Corporation
Geologist



**Certified Petroleum
Geologist #3351
License #224**

P.O. Box 26
Hays, Kansas 67601-0026
Phone: 785-628-6061
Cell: 785-635-1349

GEOLOGIST'S WELL REPORT

COMPANY LD DRILLING, INC (6039)
WELL Defenbaugh #2-2
FIELD Trapp
LOCATION (legal) SW SE SW
(1650' FWL & 330' FSL)
Section 2 TWP 16S RGE 14W
(Map) 1 mi S & 1/4 mi E of Russell,
Barton Co. line on 281
COUNTY Barton STATE Kansas
ELEVATION: 1878' K.B., 1873' G.L.
Depths measured from Kelly Bushing
A. P. I. NUMBER 15-009-25428
GEOLOGY BY Randall Kilian

PERTINENT WELL DATA

CONTRACTOR Petromark Drilling, LLC (33323)

RIG # 2 HYDRAULICS D-375 6x14x60
(Dave Roach TP)

DRILL PIPE 4 1/2" X-H COLLARS 6 1/2" 12 (363')

CASING: SURFACE 8 5/8" @ 881' w/ 375 sx ACON & Common

PRODUCTION None

DRILLING FLUID: COMPANY Andy's Mud & Chemical Co.
(Dennis Rector)

TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY None

NUMBER OF TESTS

ELECTRIC LOGS: COMPANY None

DETAIL (5")

TYPE

DRILLING TIME FROM 2700' TO RTD

SAMPLE TIME FROM 2700' TO RTD

SUPERVISION FROM 2700' TO RTD

VERTICAL DEVIATION 3/4" @ 886'

PLUGGING REPORT 25 @ 3310', 50 @ 931', 80 @ 373', 10 @ 40',
30 sx Rat, 195 sx 60/40 Poz, 4% gel.

RESERVE PIT 800 bbls., Chl. 64,000

DATE:

7-1-11

7-2-11

7-3-11

7-4-11

7-5-11

7-6-11

PERTINENT WELL DATA

CONTRACTOR Petromark Drilling, LLC (33323)

RIG # 2 HYDRAULICS D-375 6x14x60
(Dave Roach TP)

DRILL PIPE 4½" X-H COLLARS 6½" 12 (363')

CASING: SURFACE 8 5/8" @ 881' w/ 375 sx ACON & Commo

PRODUCTION None

DRILLING FLUID: COMPANY Andy's Mud & Chemical Co.
(Dennis Rector)

TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY None

NUMBER OF TESTS _____

ELECTIC LOGS: COMPANY None

DETAIL (5") _____

TYPE _____

DRILLING TIME FROM 2700' TO RTD

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VERTICAL DEVIATION 3/4" @ 886'

PLUGGING REPORT 25 @ 3310', 50 @ 931', 80 @ 373', 10 @ 40',
30 sx Rat, 195 sx 60/40 Poz, 4% gel.

RESERVE PIT 800 bbls., Chl. 64.000

DAILY REPORT

DATE: 7 a.m. Depth RIG ACTIVITY

7-1-10 770' MIRU. Spud

7-2-10 1184' Drilling surface hole

7-3-10 2250' Drilling under surface

7-4-10 3090' Drilling shale & lime

7-5-10 3332' Drilling lime & shale

7-6-10 TD. Plugged

SUMMARY

The Defenbaugh #2-2 well was drilled with Petromark Drilling, LLC tools beginning 7-1-10 and drilling was completed 7-6-10.

The drillsite was based upon subsurface data. No 3-D seismic survey has been done in this local area.

The well ran flat to the abandoned producer north down through the BKc. The well then encountered chert conglomerate. No Arbuckle was cut at TD. At 3332', no Arbuckle production is present below this depth in the local area.

No quality oil shows were noted in the LKc group.

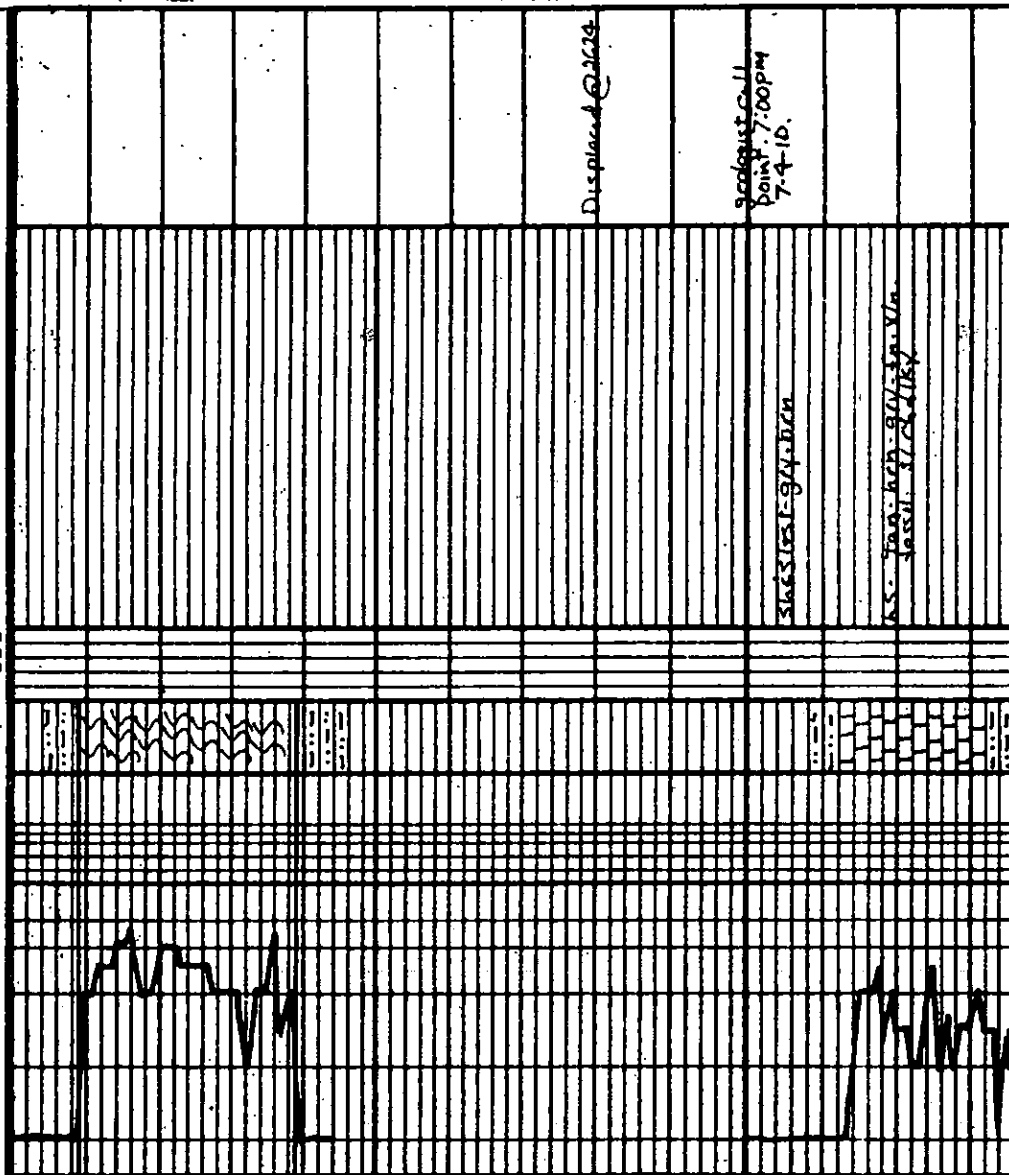
Based upon all data, the decision was made to plug the well at that point.

Respectfully,

Randall Kilian

Randakl Kilian

DRILLING TIME (min/ft)				
1/2	1	2	3	4
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100



	ls- tan- brn- gr- fr- vln fossil, st. chalky	
	sh- slt- gr- brn	
	ls- brn- gr- fr- vln- fossil	Mud Vis-50 WR-8.8
	sh- slt- gr- brn	
	ls- tan- brn- gr- fr- vln fossil, st. chalky	
	ls- a/g	
	ls- tan- gr- fr- vln- fossil	
	ls- a/g	
	ls- brn- gr- fr- vln- fossil	
	sh- blk	
	sh- slt- gr- brn	
	ls- brn- fr- vln	
	sh- slt- gr	
	ls- tan- brn- fr- gr- fr- vln fossil, st. chalky	Mud Vis-50 WR-8.7
	ls- a/g	
	sh- blk carb. fissile	
	ls- tan- gr- fr- vln- fossil	
	ls- a/g	

[illegible]

