

1138266

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 ☐ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No

Electric Log Run ☐ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

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

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

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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. (Submit ACO-5) ☐ Commingled (Submit ACO-4) ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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ALLIED OIL & GAS SERVICES, LLC 056567

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell KS

DATE <u>10-30-12</u>	SEC. <u>1</u>	TWP. <u>15</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30 AM</u>	JOB FINISH <u>9:00 AM</u>
DEPARTMENT <u>Production</u>	WELL # <u>1</u>	LOCATION <u>Hays 8S 2E 1/4 N E into</u>			COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Shields
TYPE OF JOB PTA
HOLE SIZE 7 7/8 T.D. 3687
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 1200
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 245 60/40 470 gal
1/4 # f/o

COMMON 147 @
POZMIX 98 @
GEL 8 @
CHLORIDE @
ASC @
f/o 2 @

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y v
417 HELPER Woody O v
BULK TRUCK
481 DRIVER Walter K 3
BULK TRUCK
DRIVER

HANDLING 261.67 ft @
MILEAGE 109.6 1/m

REMARKS:

p1 25sk @ 1200
p2 100sk @ 800
p3 40sk @ 275
p4 10sk @ 40
30sk @ Rat hole
15sk @ Mouse hole

SERVICE

DEPTH OF JOB
PUMP TRUCK CHARGE
EXTRA FOOTAGE @
MILEAGE 10 HVMI @
MANIFOLD @
10-LVMI @

CHARGE TO: Habit Petroleum
STREET
CITY STATE ZIP

PLUG & FLOAT EQ

FFM Work Plug @
@
@
@
@

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.

PRINTED NAME Thomas J Engel

SIGNATURE Thomas J Engel

DUANE STECKLEIN

PETROLEUM GEOLOGIST

579 280TH AVE.

HAYS, KANSAS 67601

785-432-2477

GEOLOGICAL REPORT

Habit Petroleum, LLC

Pfannensteil #1

1905' FSL + 755' FWL

NW-SE-NW-SW

SEC. 1 TWP 15s RGE 18w

Ellis County, Kansas

COMMENCED: 10/22/12

COMPLETED: 10/29/12

CONTRACTOR: Shields Drilling

SURFACE PIPE: 8 5/8" at 223'

PRODUCTION PIPE: None-D+A

Nov. 27, 2012

Formation Data

Elevation: (2009 K.B.) – (2004 G.L.)

All top formations measured from 2009K.B..

<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>SEA-LEVEL DATUM</u>
Anhydrite	1177	+832
Base Anhydrite	1218	+791
Topeka	3004	-995
Heebner	3261	-1252
Toronto	3087	-1278
Lansing-K.C.	3312	-1303
Base-K.C.	3554	-1545
Cherty Conglomerate	3578	-1569
Sandy Conglomerate	3611	-1602
R.T.D.	3686	-1677

All samples were examined and described by me on actual location and did not start until a depth of 2950' was reached. All zones and sample tops examined are all true and accurate according to drillers depth.

One foot drilling time was logged from a depth of 2950' to 3686', and all zones were examined by ten foot samples at a rotary depth of 2950' to 3300'. Five foot samples were examined from a rotary depth of 3305' to 3686'.

Sample Description

Following are the pertinent geological formations and all zones of subject well Pfannensteil #1.

THE FOLLOWING ZONES WERE NOTED:

TOPEKA	3004-3018	Limestone – tan to gray, very fine crystalline, no inter crystalline porosity, no show of oil or odor.
	3022-3032	Limestone – same as above, chalky in part..
	3038-3050	Limestone – same as above..
DEER CREEK	3060-3068	Limestone – tan, gray, fine crystalline, no inter porosity, white chalk, no show of oil or odor.
	3072-3115	Limestone – cream, brownish and gray, fine crystalline, no inter crystalline porosity, no show of oil or odor, chalky in part.
LECOMPTON	3133-3140	Limestone – tan to grayish, fine crystalline soft and chalky, no inter porosity, no show of oil or odor.
	3146-3165	Limestone- cream to gray, fine crystalline, soft lime to very dense hard lime, no inter porosity, no show of oil or odor.
OREAD LIME	3200-3213	Limestone – cream, fine crystalline, no inter porosity, chalky in part, no show of oil or odor.
	3230-3240	Limestone – cream, fine crystalline, chalky, no inter porosity, no show of oil or odor..
	3242-3260	Limestone – same an above.
TORONTO	3288-3296	Limestone – cream to brownish,, fine crystalline, very dense lime to chalky, no inter porosity, no show of oil or odor.

LANSING - K.C.

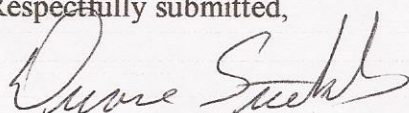
(A-Zone)	3312-3318	Limestone - cream, fine crystalline, very dense lime, no inter porosity, no show of oil or odor.
(B-Zone)	3337-3340	Limestone - cream, fine crystalline, dense lime to chalky, no inter porosity, no show of oil or odor.
(C-Zone)	3352-3355	Limestone - cream, fine crystalline, poor to no inter porosity, no show of oil or odor.
(D-Zone)	3361-3368	Limestone - cream to white, fine to medium crystalline in part, poor inter porosity, chalky in part, no show of oil or odor..
(E-Zone)	3382-3390	Limestone - tan, fine crystalline, no show of oil or odor.
(F-Zone)	3400-3408	Limestone - cream, very dense lime, cherty, no inter porosity, no show of oil or odor.
(G-Zone)	3412-3430	Limestone - cream, fine crystalline, dense lime and chalky, no inter porosity, no show of oil or odor.
(H-Zone)	3440-3450	Limestone - cream to white and tan, dense lime and chalky, no show of oil or odor.
(I-Zone)	3467-3472	Limestone - cream to tan and gray, dense and chalky, no show of oil or odor.
(J-Zone)	3485-3495	Limestone - same as above.
(K-Zone)	3502-3508	Limestone - cream to glassy, no visible porosity, no show of oil or odor.
Base K.C.		
(L-Zone)	3550-3554	Limestone - same as above.

Conglomerate Chert	3578-3598	Chert – multi colored white, yellow and orange..
Sandy Conglomerate	3611-3650	Sand – translucent, sub-rounded, scattered shows of black residual stain, shale- red, gray, and green.
	3650-3686	Sand- same as above with no show of black residual stain, no show of oil or odor.

Remarks and Conclusion

During the drilling of the Pfannensteil #1, the Lansing K.C. ran structurally low and the fact that there was no Arbuckle dolomite with no show of oil in the subject well, operator of Habit Petroleum decided to plug and abandon Pfannensteil #1, as a dry hole.

Respectfully submitted,



Duane Stecklein, Geologist

QUALITY WELL SERVICE, INC.

5738

Federal Tax I.D. # 481187368

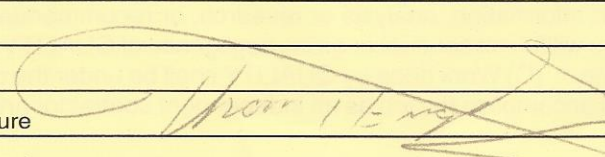
Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410

Office / Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date <i>10-25-12</i>	Sec. <i>1</i>	Twp. <i>15</i>	Range <i>16</i>	County <i>Ellis</i>	State <i>KS</i>	On Location	Finish <i>6:00-6:30am</i>
Lease <i>PFannenstiel</i>	Well No. <i>1</i>	Location <i>Hay's, KS 4S 2E 1/2 N E into</i>					
Contractor <i>Sheilds #2</i>				Owner			
Type Job <i>Surface</i>				To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Hole Size <i>12 1/4</i>	T.D. <i>233</i>			Charge To <i>Habbit</i>			
Csg. <i>8 5/8</i>	Depth <i>233</i>			To			
Tbg. Size	Depth			Street			
Tool	Depth			City State			
Cement Left in Csg. <i>15 ft</i>	Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line	Displace <i>13 3/4</i>			Cement Amount Ordered <i>175sx com 3% cc 2% gel</i>			
EQUIPMENT							
Pumptrk No. <i>8</i>	<i>Cody</i>			Common <i>175</i>			
Bulktrk No. <i>4</i>	<i>Nicole</i>			Poz. Mix			
Bulktrk No.				Gel. <i>3</i>			
Pickup No.				Calcium <i>6</i>			
JOB SERVICES & REMARKS							
Rat Hole				Hulls			
Mouse Hole				Salt			
Centralizers				Flowseal			
Baskets				Kol-Seal			
D/V or Port Collar				Mud CLR 48			
<i>Ran 5 HS of 8 5/8 casing and landing st</i>				CFL-117 or CD110 CAF 38			
				Sand			
<i>Est Circulation with mud pump</i>				Handling <i>184</i>			
				Mileage <i>8</i>			
FLOAT EQUIPMENT							
<i>Hook up and mix 175sx - shut down</i>				Guide Shoe			
<i>release plug and disp 13 3/4 bbl of H2O</i>				Centralizer			
<i>shut in @ 300 psi</i>				Baskets			
				AFU Inserts			
				Float Shoe			
<i>Cement Did Circulate to Surface</i>				Latch Down			
				<i>8 5/8 wood plug</i>			
				Pumptrk Charge <i>Surface</i>			
<i>Thank You!!</i>				Mileage <i>8</i>			
				Tax			
				Discount			
				Total Charge			

X Signature

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET

312539

DATE SHIPPED

10-23-12

F.O.B.

WAREHOUSE ☐

WELL SITE ☐

PREPAID

☐

COLLECT

☐

FINAL WELL

TICKET

SOLD TO

Habit

SHIPPED TO

Shields #1

WELL NAME & NO

Pfannenstiel #1

ADDRESS

SHIPPED VIA

62

COUNTY, STATE

Ellis, KS

CITY, STATE, ZIP

ORDER NO.

21174

SEC

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PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE-SOLID 8 II Emergency Contact: CHEMTREC 1-800-424-9300 Customer Number: CCN657797	50#	19	Bag			
2. Mud-Co Gel	100#	105	Bag			
3. Salt Clay	50#		Bag			
4. Mud-Co Starch	50#		Bag			
5. Lime	50#	6	Bag			
6. Cotton Seed Hulls	50#	150	Bag			
7. Soda Ash	50#	28	Bag			
8. Lignite	50#	15	Bag			
9. Dyna Pac	50#	6	Bag			
10. Desco	25#	2	Bag			
11. Co-Poly L	5gal	2				
12. X-Cide 102W	5gal					
13.						
14. New start 2nd load						
15.						
16.						
17.						
18.						
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20. Trinedy						
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MATERIAL RECEIVED
IN GOOD ORDER

TRANSPORTATION CHARGES

SUB TOTAL

TRUCK #

MILEAGE

FROM

DATE RECEIVED

10-23-12

PURCHASE AUTHORIZED BY

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SALES TAX

TRANSPORTATION

TOTAL TRANSPORTATION
CHARGES

TOTAL

ROUTING: WHITE - CUSTOMER; BLUE - CUSTOMER RIG; GREEN - WICHITA; CANARY - WAREHOUSE

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MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET

312537

DATE SHIPPED

02-12

F.O.B.

WAREHOUSE ☐

WELL SITE ☐

PREPAID ☐

COLLECT ☐

FINAL WELL

TICKET

SOLD TO

ADDRESS

CITY, STATE, ZIP

SHIPPED TO

SHIPPED VIA

ORDER NO.

WELL NAME & NO

COUNTY, STATE

SEC TWN RNG

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MATERIAL RECEIVED
IN GOOD ORDER

DATE RECEIVED

PURCHASE AUTHORIZED BY

TRANSPORTATION CHARGES

TRUCK #

MILEAGE

FROM

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TOTAL TRANSPORTATION
CHARGES

SUB TOTAL

SALES TAX

TRANSPORTATION

TOTAL

ROUTING: WHITE - CUSTOMER; BLUE - CUSTOMER RIG; GREEN - WICHITA; CANARY - WAREHOUSE

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100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET

312617

DATE SHIPPED

10-31-12

F.O.B.

WAREHOUSE ☐

WELL SITE ☐

PREPAID

☐

COLLECT

☐

FINAL WELL

3
TICKET

SOLD TO

Habit

SHIPPED TO

Shields #1

WELL NAME & NO

Pfannenstiel #1

ADDRESS

SHIPPED VIA

62

COUNTY, STATE

Ellis, KS

CITY, STATE, ZIP

ORDER NO.

SEC

TWN

RNG

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15

18

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
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3. Salt Clay	50#		Bag			
4. Mud-Co Starch	50#		Bag			
5. Lime	50#	6	Bag			
6. Cotton Seed Hulls	50#	117	Bag			
7. Soda Ash	50#	12	Bag			
8. Lignite	50#	8	Bag			
9. Dyna Pac	50#	3	Bag			
10. Desco	25#	2	Bag			
11. Co-Poly L	5gal	1				
12. X-Cide 102W	5gal					
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14. Final credit						
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20. Trinedy						
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MATERIAL RECEIVED
IN GOOD ORDER

TRANSPORTATION CHARGES

SUB TOTAL

TRUCK #

MILEAGE

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DATE RECEIVED

10-31-12

PURCHASE AUTHORIZED BY

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SALES TAX

TRANSPORTATION

TOTAL TRANSPORTATION
CHARGES

TOTAL

ROUTING: WHITE - CUSTOMER; BLUE - CUSTOMER RIG; GREEN - WICHITA; CANARY - WAREHOUSE

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