

STATE OF KANSAS  
STATE CORPORATION COMMISSION  
200 Colorado Derby Building  
Wichita, Kansas 67202

WELL PLUGGING RECORD  
K.A.R.-82-3-117

15-065-02989-00-00

API NUMBER \_\_\_\_\_

LEASE NAME Gustafson

WELL NUMBER #1 (501)

SPOT LOCATION NW NW NW

SEC. 25 TWP. 9S RGE. 22 ~~XXX~~ or (W)

COUNTY Graham

Date Well Completed 10-18-54

Plugging Commenced 4-19-84

Plugging Completed 4-19-84

LEASE OPERATOR Collins & Collins Oil Company

ADDRESS 1007 Cody - Suite A, Hays, Kansas 67601

PHONE # (913) 628-1046 OPERATORS LICENSE NO. 8722

Character of Well D & A  
(Oil, Gas, D&A, SWD, Input, Water Supply Well)

Did you notify the KCC/KDHE Joint District Office prior to plugging this well? Yes

Which KCC/KDHE Joint Office did you notify? Hays, Kansas

Is ACO-1 filed? Yes If not, is well log attached? Yes

Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ bottom \_\_\_\_\_ T.D. 3912'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put in	Pulled out
				9 5/8"	254'	-0-
				5 1/2"	3910'	

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used state, the character of same and depth placed, from \_\_\_\_\_ feet to \_\_\_\_\_ feet each set.

filled hole with cement as per attached Allied invoice

(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor John B. Collins License No. 5465  
Address 1007 Cody - Suite A, Hays, Kansas

STATE OF Kansas COUNTY OF Ellis, ss.

John B. Collins

(XXXXXXXXXXXXXXXXXXXX) or

(operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the above-described well as filed that the same are true and correct before me God.

RECEIVED  
STATE CORPORATION COMMISSION

(Signature) John B. Collins

(Address) 1007 Cody - Suite A, Hays, KS

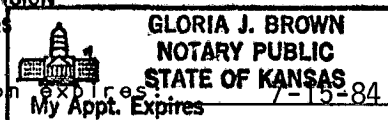
MAY 15 1984 5-15-84

CONSERVATION DIVISION  
Wichita, Kansas

SUBSCRIBED AND SWORN TO before me this 7th day of May, 19 84

Gloria J. Brown  
Notary Public

My Commission expires 7-15-84  
My Appt. Expires \_\_\_\_\_



# WELL RECORD

## SECTION NO. 2 - FORMATION SUMMARY: Data taken from X-1892 & Sv Co Reports

FORMATION	FROM	TO	D.S.T.	ELEC LOG	GR-N	REMARKS
Top Soil & Sand	0	40'				
Shale & Shells	40	255				
Shale	255	840				
Sand	840	1055				
Shale	1055	1190				
Shale & Sand	1190	1650				
Sand & Shale	1650	1850				
Anhydrite	1850	1890				
Shale	1890	1945				
Sand Bed, Shale & Shells	1945	2265				
Shale & Lime	2265	2620				
Lime & Shale	2620	2920				
Shale & Lime	2920	3055				
Lime & Shale	3055	3160				
Shale & Lime	3160	3285				
Lime	3285	3475				
Lime & Shale	3475	3550	#1			
Lime	3550	3616				
Lime & Shale	3616	3643	#2			
Lime	3643	3800	#3			
Lime & Shale	3800	3895				
Lime	3895	3912		EL, ML	GR-N	Schl. Electric Log 252-390 " Microlog 3300-3905 McCullough GR-N Log 0-3894
TOTAL DEPTH	3912					
WELP STRING SET @	3910					
WELP BACK DEPTH	3592					

15-065-02989-00-00

## SECTION NO. 3 - DEPTH MEASUREMENTS:

	DRILLERS DEPTH	STEEL LINE	#GR-N LOG #ELEC LOG	KELLY BUSHING TO FLANGE 7' 6"	SURFACE FLANGE DEPTH (*)
Drilling Depth	3912'	3912'			3904' 6"
Casing Seat (Surf)	254'	254'			246' 6"
Casing Seat (Oil)	3910'	3910'			3902' 6"
Total Depth	3912'	3912'			3904' 6"
Welp Back Depth	3592'	3592'			3584' 6"
Perforations	3766-75'	3766-75'			3758' 6" - 3767' 6"
(All Schlum. meas.)	3716-21'	3716-21'			3708' 6" - 3713' 6"
	3656-63'	3656-63'			3648' 6" - 3655' 6"
	3656-61'	3656-61'			3648' 6" - 3653' 6"
	3629-34'	3629-34'			3621' 6" - 3626' 6"
	3612-16'	3612-16'			3604' 6" - 3608' 6"
	3574-82'	3574-82'			3566' 6" - 3574' 6"

Collars or Radium Markers as shown on McCullough Tool Co. GR-N Log

(\*) Indicate correct measurements from Surface Casing Flange as permanent datum.

## SECTION NO. 4 - DRILL STEM TESTS: Data taken from Morning Report & Sv Co Reports

No.	date	From	To	Kind of Test	Tool Set	Chokes		Time	Results
						Top	Btm		
1	9/12/54	3503'	3556'	Open Hole	3503'	1/2	1/2	1 hr	Op 1 hr, rec 510' muddy wtr FP 285' BHSIP 1050' in 20 mins
2	9/13/54	3580'	3643'	Open Hole	3580'	1/2	1/2	1 hr	Op 1 hr, rec 255' heavy gas cut sli oil cut mud 60' oil & heavy gas cut mud 140' heavy oil & gas cut mud 40' wtr FP 210' BHSIP 610' in 20 mins
3	9/14/54	3648'	3725'	Open Hole	3648'	-	-	1 hr	Op 1 hr, rec 182' heavy oil & gas cut mud FP 170' BHSIP 1030' in 20 mins

**WELL RECORD**

**5 - PERFORATING AND SQUEEZE RECORD:**

Data taken from Morning Report & Sv Co Reports

X-637 (11-51)

15-065-02989-00-0.0

PERFORATING RECORD:

Perf No.	From	To	No.	Kind	Size	D.S.T.	Date
1	3766	3775	36	Jet	5/8"		
2	3716	3721	20	"	"		9/24/54
3	3656	3663	28	"	"	#3	9/25/54
4	3656	3661	20	"	"		9/26/54
5	3629	3634	20	"	"		9/30/54
6	3612	3616	16	"	"		10/2/54
7	3574	3582	32	"	"	#2	10/4/54 10/8/54

SQUEEZE RECORD:

No.	From	To	Tool #	Cmnt Used	Pressure	Plug #	D.S.T.
3	3656	3663	3650'	200 sx	3000#	3661'	#3
6	3612	3616	3592'	250 sx	3000#	3592'	#2

Final Plug Back Depth 3592'  
Producing Perforation: 3574-82' (#7)

NO. 6 - SURVEYS PERFORMED:

Kind	From	To
Schlumberger Microlog	3300'	3905'
Schlumberger Electric Log	252'	3907'
McCullough Gamma Ray Neutron Log	0'	3894'

RE SHOT DEVIATION SURVEY

Depth	Off Vertical
00	3/4 Degree
00	0 Degree
00	0 Degree
00	1 1/2 Degrees
00	3/4 Degree
00	1 1/2 Degrees
00	1 Degree

NO DIRECTIONAL SURVEY - VERTICAL HOLE

AVERAGE HOLE DIAMETER 7 7/8"

NO. 7 - CORE RECORD:

N O N E

NO. 8 - BIT RECORD: Data taken from X-1892

Used	Size	Kind	From	To
	13 3/4"	Rockbit	0	255
	7 7/8"	"	255	3912

NO. 9 - ACIDIZING OR OTHER COMPLETION OPERATION: Data taken from Morning Report

- #1 Open hole 3910 to 3912' w/500 gal reg thru 5-1/2" csg, 1750#-1000#, 95 BLW; all load back; swbd 10 hrs 1 BOPH no wtr.
- #2 Open hole 3910-3912' w/2000 gal reg acid thru 5-1/2" csg, 950#-650# - zero in 2 mins after pmps shut down; 95 BLW; all load swbd back, 5 hr swb test 80 BW & 1 BOPH.
- #3 Perf 3656-63' w/2000 gal reg thru 5-1/2" csg 1350#-800#, 95 BLW; swbd load back; swbd 10 hrs 3 BO & 35 BWP (Squeezed)

ACIDIZING OR OTHER COMPLETION OPERATION: (Cont'd)

- Perf 3656-61' w/500 gal reg thru 5-1/2" csg; 1000#-1000# after 30 mins; swbd load back, 12 hr swb test 3/4 BO & 2-1/2 BWFH.
- #5 Perf 3629-34' w/1500 gal reg thru 5-1/2" csg, 2000#-300#, zero when pump shut down; 87 BLW; swbd load back, swbd 12 hr 1/2 BO & 5 BWFH.
- #6 Perf 3612-16' w/1000 gal reg thru 5-1/2" csg; 300#-0# 87 BLW; swbd LW back; swbd 6 hrs 600' off bottom 15 bbls wtr Fi w/stain oil. (Squeezed)
- #7 Perf 3574-82' w/500 gal reg thru 5-1/2" csg, 87 BLW, swbd load wtr back; swbd 6 hrs, 8 BOPH w/trace of wtr.

SECTION NO. 10 - SUMMARY OF OPERATIONS: Data taken from Morning Report(1) Drilling and Exploratory Operations Performed:

9/5/54 Spudded & set 9 5/8" csng @ 254' w/150 sx cmnt circ.  
 9/12/54 D.S.T. #1  
 9/13/54 D.S.T. #2  
 9/14/54 D.S.T. #3  
 9/16/54 Run Schlumberger Microlog & Electric Log  
 9/17/54 Set 5 1/2" csng @ 3910' w/200 sx cmnt W.O.C.

(2) Completion Operations Performed:

9/22/54 Acid Job #1  
 9/23/54 Acid Job #2 & squeeze open hole 3910-12' w/60 sx cmnt, 50 sx in formation  
 9/24/54 Perf 3766-75', run McCullough GR-N log  
 9/25/54 Perf 3716-21'  
 9/26/54 Perf 3656-63'  
 9/27/54 Acid Job #3  
 9/28/54 Squeeze perf 3656-63' w/200 sx cmnt, 3000#, 190 sx cmnt in formation  
 9/30/54 Perf 3656-61'  
 10/1/54 Acid Job #4  
 10/2/54 Perf 3629-34'  
 10/3/54 Acid Job #5  
 10/4/54 Perf 3612-16'  
 10/5/54 Acid Job #6, squeeze perf 3612-16' w/250 sx cmnt, 3000#, 242 sx in formation  
 10/6/54 Pull 2" tub & bail  
 10/7/54 Bail hole dry, prepare to perf  
 10/8/54 Perf 3574-82', Acid Job #7  
 10/9/54 Ran 2" tub & rods  
 10/10/54 Pump 9 hrs, 89 BO & No Wtr, 14-14" SPM  
 10/11/54 Pump 24 hrs, 105 BO & No Wtr  
 10/12/54 Pump 15 hrs, 52 BO & No Wtr, well off, pull rods  
 10/13/54 Pump 12 hrs, 57 BO & No Wtr  
 10/15/54 Fish w/bbl & anchor, run 2" tub, 1100 oil in hole  
 10/16/54 Run 2" tub & rods & POP - no gauge  
 10/17/54 Pump 24 hrs, 142 BO & No Wtr  
 10/18/54 Down for tank room  
 10/19/54 Shut down for State Potential Test  
 10/20/54 Prepare to take State Potential  
 10/21/54 Take State Potential - 177 BO & No Wtr in 24 hrs, allow 25 BOPD, corr grav 34.3°

SECTION NO. 11 - FORMATION RECORD: Data taken from Geological Letter

<u>FORMATION</u>	<u>DEPTH</u>	<u>SUB-SEA</u>	<u>SOURCE</u>
Heebner	3540	-1166	Samples MAF
Lansing-Kansas City	3577	-1203	"
Arbuckle	3908	-1534	"
RID	3912		
Plug Back Depth	3592		
Topeka	3326	- 952	Schlum.
Heebner	3536	-1162	"
Lansing-Kansas City	3574	-1200	"
Arbuckle	3905	-1531	"
Total Depth	3908		

SECTION NO. 12 - PLUGGING AND ABANDONMENT RECORD:

MAGNOLIA PETROLEUM COMPANY  
WELL RECORD

X-677 (2-14)

3574-82 227  
1 1/2  
5065-02989-00-00

TREATMENT: 4-16-56 Acidise perf 3581-85' & 3617-21' thru 5 1/2" csg w/2000 gal 15% JB acid under press 500#-0#, 90 BLO & 48 BAW.

Prod Before: 20 BOPD & NW  
Prod After : 21 BOPD & NW

JID TREATMENT - 8-20-59: Treat pf 3574-82' w/1000 gal 15% Gel W acid thru tbg-csg annulus, max press 700# min 600#, vac in 2 min after pump S/D, rate 3.6 BPM, overflush w/51 BO (used 119 BLO + 24 BAW); SI 24 hrs; all LO recov in 66 hrs.  
PROD BEFORE: Pump 9 BO + 2 BW 24 hrs  
PROD AFTER : Pump 22 BO + Trace wtr 24 hrs.