

(8-54) 15-065-01874-0000
MAGNOLIA PETROLEUM COMPANY
WELL RECORD

X-13

Total Depth Drilled 3910' RID Permit No. _____ Lease Name Hilander STEWART
 Oil String Set @ 3909' (5 1/2") Serial No. _____ Well No. 2
 Plug Back Depth 3889' Completed as Single Oil Well Field Hoop
 Vertical or Directional Hole Vertical (TYPE OF WELL) District Chase
 Parish County Graham State Kansas State Reg. District Great Bend, Kansas
 Block Section 16 Lot Township 106 Unit Range 23W Distance From Nearest Town 3 mi west & 11 mi south of Hill City, Kansas
 Location of Well: SW 1/4 NW 1/4 330' FWL & 990' FWL of NW 1/4

DATE SUMMARY	Date	Work Performed By	Remarks
Location Staked	6-27-55	L. C. Case & W. B. Sizsons, MFCo Civil Engr	
Level Loc	6-29-55	Graham-Messner-Rinehart Oil Co, Wichita, Ks.	
Commenced Erecting Derrick	6-30-55	"	
Completed Erecting Derrick	6-30-55	"	
Commenced Rigging Up	6-30-55	"	
Initial Rigging Up Completed	6-30-55	"	
Commenced Drilling (Spud Date)	7-1-55	"	
Completed Drilling (Total Depth) <u>3910'</u>	7-10-55	"	9:00 AM
Moved In Cable Tools	7-11-55	Tompkins Drig Co., Great Bend, Ks.	
Oil String Casing Set @ <u>3909'</u> <u>(5 1/2")</u>	7-20-55	Graham-Messner-Rinehart Oil Co, Wichita, Ks.	
Plug Back (Final) <u>3889'</u>	7-17-55	Tompkins Drig Co., Great Bend, Ks.	
Perforations (Final) <u>3819-25'</u>	7-15-55	McCullough Tool Co	w/2h 5/8" Jets
Completed Subsurface Installations (Final)	7-16-55	Under the supervision of T. E.	Run 2" tub
Completed Well Head Installations (Final)	7-19-55	Westbrook, MFCo Iron Foreman	9 5/8 x 5 1/2 Don K.
Commenced Bringing in (Final)	7-16-55	"	Hinderliter Coghd
Well Cleaned (Final)	7-17-55	"	w/2 7" side outlets
Commenced Abandonment			2000' working press
Completed Abandonment		Co Compl Date: 7-15-55	4000' test

* Insert the first work started, as; Build Road, Build Board Road and Turn around, Dig Canal, Clear and/or Grade Location, Lay fuel and Water Lines, Dig Slush Pit, Build Rig Foundation, or, Install Drilling Foundation.

NO. DAYS WATER USED Furn by Contr SOURCE Hauled
 NO. DAYS FUEL USED Furn by Contr KIND Butane SOURCE Hauled
 Measuring Point Will Be BP 2361' Ground Kelly Bushing Kelly Bushing to Surface Csg.
 Kelly Drive Bushing. 2383' Elevation 2379' To Gr. Elev. 4' Surface Csg. Flg. 6.5' Flange Elev. 2376.5'

Transfer No. In: 2830-2857 CASING, TUBING, & * CEMENTING RECORD Transfer No. Out:

Size	Weight	Collars & Threads	Kind	Rge	Jts.	Total Feet Less Threads			Total No. Scratchers and Where Placed	Total No. Centralizers and Where Placed	
						Put In	Pulled	Left In			
9 5/8"	25.47	.250" WT Slip Jt	WT	Armed	3	7	280		280	None	None
5 1/2"	11.09	8-RT SREG	J-55		2	9	272				
5 1/2"	11.09	8-RT SREG	J-55		2	115	3637		3909	None	5 - 3874 - 3880 3881 - 3888 3810
2"	4.77	8-RT SREG	H-10		2	127	3816		3816	None	None
9 5/8" csg set @	280'	w/200	ax	cont	cire.			7-1-55			
5 1/2" csg set @	3909'	w/200	ax	cont				7-10-55			

RECEIVED
 STATE CORPORATION COMMISSION
 SEP 7 1960
 CONSERVATION DIVISION
 Wichita, Kansas

SECTION NO. 1 - PRODUCTION TESTS AND POTENTIAL TEST DATA:

Completed as Single Oil Well - Pumping: State Potential dated 7-20-55. Well pumped 21.3 BO & no wtr in 2h hrs thru 2" tub on 21-31" SRS, 1 3/4" pump, producing fr perf 3819-25 & 3830-31' Lansing-Kansas City Formation, grav corr 40". This well was acidized prior to above test. Allowable 25 BO/D.

* Following each string of casing, and using the full width of the sheet, give complete cementing record as follows: Where landed, Amount and kind of cement, Amount and kind of Additives, Stages of Cementing, Cement Tops, Slurry weight per Gal, and WOC Hours.

Give the balance of Well Record by Sections, in the order listed below, carefully following instructions in the Field Manual for each section. Use the reverse side of this sheet and subsequent sheets on Form X-6727 As needed.

- Section 1- Production Tests and Potential Test Data
- Section 2- Formation Summary
- Section 3- Depth Measurements
- Section 4- Drill Stem Tests
- Section 5- Perforating and Squeeze Record
- Section 6- Surveys Performed
- Section 7- Core Record
- Section 8- Bit Record
- Section 9- Acidizing or Other Completion Operation
- Section 10- Summary of Operations
- Section 11- Formation Record
- Section 12- Plugging & Abandonment Record

Original Signed By **R. C. BRANNIN**
 Lease Name **Hilander STEWART** Well No. **2** Sheet No. **3** of **4** Sheets

SECTION No. 6 - SURVEYS PERFORMED:

No.	Kind	From	To
1	Halliburton Gamma Ray Log	20	3888
1	Halliburton Gamma Ray Neutron Log	30	3898
1	Halliburton Guard Log	3500	3893
1	McCullough Gamma Ray Log	3500	3887

SURE SHOT DEVIATION SURVEY

DEPTH	OFF VERTICAL
1877	1/2 Degree
2508	1 Degree
2803	1 Degree
3095	1 Degree
3516	1 Degree

NO DIRECTIONAL SURVEY - VERTICAL HOLE

AVERAGE HOLE DIAMETER 7 7/8"SECTION NO. 7 - CORE RECORD:

NONE

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

No. Used	Size	Kind	From	To
1	13 3/4"	Rockbit	0	280
8	7 7/8"	Rockbit	280	3910

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

- 7-14-55 #1 Acidized perf #1 (3830-34') thru 5 1/2" csg w/500 gal 15% reg vac all the way, 95 BLW; swb lead back in 5 hrs; 11 hr swb test 42 BO & no wtr; last hr 3 1/2 BO & no wtr
- 7-16-55 #2 Acidized perf #2 (3819-25') thru 5 1/2" csg w/2000 gal 15% reg 250#-0#, 95 BLW, swb LW back in 4 hrs; 12 hr swb test 3-3/4 BOPH & no wtr (Temp PB 3829)

SECTION NO. 10 - SUMMARY OF OPERATIONS: Data taken from Morning Report

- (1) 7-1-55 Spudded, 9:00 AM; set 9 5/8" csg @ 280' w/200 sx cmnt circ.
 7-6-55 Top Heebner 3628'; Top Lans-KC 3662'
 7-7-55 D.S.T. #1; D.S.T. #2
 7-8-55 D.S.T. #3
 7-9-55 Run Halliburton Elec Log; D.S.T. #4
 7-10-55 TD 3910'; set 5 1/2" csg @ 3909' w/200 sx cmnt

(2) Completion Operations Performed:

- 7-11-55 Move in Cable Tools
 7-12-55 Bail @ 2600'
 7-13-55 Run McCullough GR; perf #1 (3830-34'); 7 hr bail test 1/2 GWPH w/stain oil; PB 3889'
 7-14-55 PB 3889'; acidize perf #1 (3830-34')
 7-15-55 Temp plug @ 3829, dump 2 gal Hydromite to 3828'; perf #2 (3819-25'); 7 hr swb test 3 1/2 BOPH & no wtr
 7-16-55 Temp PB 3829'; acidize perf #2 (3819-25')
 7-17-55 Drill plug 3829' to 3899' PB; 8 hr swb test 3 1/2 BOPH no wtr (28 BHO) prep to POP
 7-18-55 Run tub & rods, prepare to set temp pump unit
 7-19-55 Set temp unit, pumped up fill lead line, no tank room
 7-20-55 Pump on State Potential: pump 2 1/3 BO & no wtr in 2 1/2 hrs thru 2" tub, 1 3/4" pump, 21-3/4" SPM grav corr 40', allowable 25 BO-D

FEB 25 1971

CONSERVATION DIVISION
Wichita, Kansas

CITIES SERVICE OIL CO. HOOP LLC UNIT # 502 W

Operator MOBIL Lease PHILANDER STEWART Well No. 2

Location (Survey Ties) SW NW NW 16-10S-23W Elev: KB _____ DF _____ GL _____
(*Indicates Datum)

Total Depth 3910 PBDT 3889 Completion Date 7-16-55

DST Data:

No.	Interval	Flow Time	S.I. Time (Min)	Choke Size	Press., PSI			Recovery
					IF	FF	SI	
1	3659-88	1 hr	20		30-50	1340	56' 5" OCM	
2	3709-22	1 hr	20		75-180	1055	400' 954 SW + 540 oil	
3	3813-33	1 hr	30		130	400	300' 924 oil + 60' 1144 oil	
4	3852-70	1 hr					4' mud	

Casing Data:

Size	Grade	Setting Depth	Sacks Cement	Cement Top	Type	Date Set	Depth
9 5/8		280	200	CIRC			
5 1/2		3909	200	NA	PB @ 3889'		

Permanent Plug or Packer Data:

Perforation or Open Hole Intervals: Perfs from 6 1/2' above Cg. Flo Injection

Interval	Perf. or O.H.	Shots Per Ft.	Type	Prod. test Results	Produced (Yes/No)	Producing (Yes/No)
3830-34	perf	4	Jet		Yes	Yes
3819-25	perf	4	Jets	P/1243-0/14	Yes	
<u>Temp PB W/ Baker PKR @ 3783 on Recomp 9/59</u>						
3750-60	perf	4	Jet		Yes	
3746-50	perf	4	Jet		Yes	
3738-42	perf	4	Jet		Yes	
<u>Converted to SWD 3738-60(OA) 9/9/60</u>						
3664-68	perf	4	Jet	15 BO + 15 BW initially gradually declined to 2 BO + 8 BW after 30 days	Yes	
<u>3664-3834 Pulled PKR & converted to SWD in all zones 12/61</u>						

Stimulation Treatments:

Date	Total Interval	Type	Amounts	Production, BO + Wtr/Day	
				Before	After
7-14-55	3830-34	Acid	500 gal 15% Reg		SWB/3 1/2 to 4/hr
7-16-55	3819-25	Acid	2000 gal 15% Reg		SWB/3 3/4 to 4/hr
9-59	3738-60(OA)	Acid	1000 gal gelled acid	3 BOPD	P/10 + 64/24

Productivity or Potential Tests:

	Date	Total Interval	Hours	BO	BW	MCF	GOR	Prod. Method
Initial Compl.	7-20-55	3819-3834(OA)	24	243	0			Pump
Recompletion	9-29-59	3738-60(OA)	24	10	64			Pump
Present	12-10-61	3664-68	24	15	15			Pump
		3664-3834(OA)						Injection

Other Information Available: (Check)

- Well Logs: Elect. Sonic Micro Radiation Other
- Hole Deviation: Vertical Directional
- Core Analysis BHP GOR

NO CORES TAKEN
(Use additional pages for extra space)

(Abbrev.)
Operator, Well Name & No. _____
Sec, Twp, Rge & Spot Location _____