

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 179-21,000-00-00
County Sheridan
E¹/₂ SWSWSE Sec. 16 Twp. 6S Rge. 29 East West
330 Ft. North from Southeast Corner of Section
2190 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Brantley Well # 7
Field Name Wessel
Producing Formation Lansing-Kansas City
Elevation: Ground 2819 KB 2826
Total Depth 4165 PBTD _____

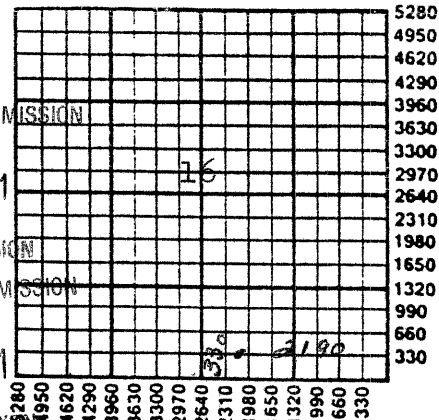
Operator: License # 8847
Name: Elmer Hoff
Address Box 59 49
Selden, Kansas 67757
City/State/Zip _____
Purchaser: Clear Creek
Operator Contact Person: Elmer Hoff
Phone (913) 386-4429
Contractor: Name: Golden Eagle Drilling,
License: 8882
Wellsite Geologist: Alan Lange

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OMO: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
3-22-91 3-27-91 4-10-91
Spud Date Date Reached TD Completion Date

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59-01
MAY 09 1991
CONSERVATION DIVISION
Wichita, Kansas
MAY 21 1991
CONSERVATION DIVISION
Wichita, Kansas

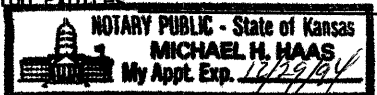


Amount of Surface Pipe Set and Cemented at 309 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set F-0 Tool 2576 Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

Signature X Elmer Hoff
Title operator Date 5/7/91
Subscribed and sworn to before me this 7th day of may,
19 91.
Notary Public Michael H. Haas
Date Commission Expires 12/29/94



K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name Elmer Hoff Lease Name Brantley Well # 7
 Sec. 16 Twp. 6S Rge. 29 East West
 County Sheridan

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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
 (Submit Copy.)
 Drill Stem Test #1
 4074' to 4120'
 IFP-Weak blow 1" in water
 FFP-Weak blow 1/2" in water

Formation Description
 Log Sample
 Name Top Bottom
SEE ATTACHED

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 1/4"	8 5/8"	24#	309	Common	232	3% cc
Production	7 7/8"	5 1/2"	15#	4755	60/40	125	2% gel.
						8301B	salt
						1101B	CFR-2
						441B	D-Air powder

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 shots	4090 to 4094	1,000 gals. 15% Reg. Acid	4090 to 4094
		1,000 gals. N.E. Additive	
		2 gals. AK-50 Silt. Suspender	
	2-Acid jobs.	5 gals. Clay Stabilizer	
		5000 gal-15% SGA Retarded Acid	
		SGA-1 150 gal / Clay-Fix-10gals.	
		HAI-65-5 gals. CLA STALL-20 gals.	
		15N-30 gals. WG-6-180 lb	

TUBING RECORD

Size	Set At	Packer At	Liner Run
2 7/8	4090	none	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

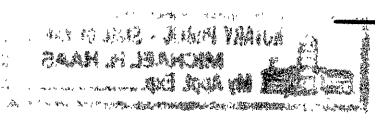
Date of First Production 4-10-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	X	25						37

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify)

Production Interval



ORIGINAL

#7 Brantley E2SWSWSE 16 6S-19W Sheridan Co. Kansas

MUD:

Date	Depth	Mud Weight	Vis	Yield Point	Gel Strength	pH	Water Loss
3-23	3300'	Water					
3-24	3488'	8.9	38	8	7/18	11.5	8.6
3-25	3743	9.1	42	12	10/26	10.5	6.4
3-26	4110'	9.3	44	13	13/30	11.0	5.2
3-27	4127'	9.2	52	19	18/46	10.0	5.0

ELECTRIC LOGS: Petro Jet

R.A. Guard Log-Neutron

2" from surface to 4154' and 5" from 2500' to 2630' and from 3650' to 4154'

INTERPRETATION:

Formation Tops:

Formation	Sample	Log	Structure
Loess	Surface	---	2819'
Stone Coral	2568'	2554'	272'
Topeka	3721'	3712'	- 886'
Oread	3845'	3830'	- 1004'
Heebner	3908'	3896'	- 1070'
Toronto	3939'	3923'	- 1097'
Lansing	3951'	3938'	- 1112'
Producing Zone	4104'	4090'	- 1264'
Total Depth	4165'	4155'	- 1329'

The producing zone is four feet thick(4090-94'), has neutron porosity of 13% and resistivity varying from 18 ohms near the base to 50 ohms at the top. Using a R_w of .07 at Fm. Temp (119 deg F), the average water saturation is low at 37%. The porosity noted in the samples is of the vugy type with the vugs being filled with both dead and live oil. As noted above, the producing interval is at a structural elevation of -1264'. This is six feet high to the nearest well, the #6 Brantley; the later well is located 658' east and slightly north of the #7 Brantley(this well).

RECEIVED
STATE COMMISSION

MAY 21 1991

CONSERVATION DIVISION
Wichita, Kansas



WESTERN TESTING CO., INC.
FORMATION TESTING

ORIGINAL

TICKET No 17231

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 2819 GS Formation B - KC Eff. Pay. Ft.

new H130

District Colby

Date 3-26-91

Customer Order No.

COMPANY NAME Elmer Hoff
ADDRESS Box 59 Selden KS 67757

LEASE AND WELL NO. Brantley #7 COUNTY Sheridan STATE KS. Sec. 16 Twp. 6 Rge. 29

Mail Invoice To Co. Name Same Address No. Copies Requested Reg

Mail Charts To Co. Name Same Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 4074 ft. to 4120 ft. Total Depth 4120 ft.
Packer Depth 4069 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4074 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set
Top Recorder Depth (Inside) 4102 ft. Recorder Number 6233 Cap. 4.000
Bottom Recorder Depth (Outside) 4105 ft. Recorder Number 13400 Cap. 3.950
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Belden Eagle Rig #3 Drill Collar Length 374 I. D. 2.2 in.
Mud Type Chemical Viscosity 44 Weight Pipe Length - I. D. - in.
Weight 9.3 Water Loss 5.2 cc. Drill Pipe Length 3668 I. D. 3.8 in.
Chlorides 100 P.P.M. Test Tool Length 32 ft. Tool Size 5/2 OD in.
Jars: Make Western Serial Number 415 Anchor Length 46 ft. Size 5/2 OD in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 1 7/8 in. Tool Joint Size 4 1/2 x 4 in.

Blow: IFP - Weak blow - 1" in water
FFP - Weak blow - 1/2" in water

Recovered 15 ft. of oil
Recovered 60 ft. of oil cut mud 10% oil 90% mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Chlorides P.P.M. Sample Jars used Remarks: 21 @ 5.4/w

Time On Location 1 00 A.M. Time Pick Up Tool 5 00 P.M. Time Off Location A.M.
Time Set Packer(s) 7 25 P.M. Time Started Off Bottom 11 25 P.M. Maximum Temperature 119
Initial Hydrostatic Pressure (A) 2057 P.S.I.
Initial Flow Period Minutes 30 (B) 40 P.S.I. to (C) 50 P.S.I.
Initial Closed In Period Minutes 60 (D) 2 03 P.S.I.
Final Flow Period Minutes 60 (E) 71 P.S.I. to (F) 81 P.S.I.
Final Closed In Period Minutes 90 (G) 2 03 P.S.I.
Final Hydrostatic Pressure (H) 2037 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Elmer Hoff
Signature of Customer or his authorized representative

MAY 09 1991

CONSERVATION DIVISION
Wichita, Kansas

Western Representative Mike Shulcutt

FIELD INVOICE

Open Hole Test \$ 550.00
Mistrun \$
Straddle Test \$
Jars \$ 225.00
Selective Zone \$
Safety Joint \$ 25.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$ 200.00

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