

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form AGO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 30535
Name: HARTMAN OIL CO., INC.
Address: P. O. Box 54
City/State/Zip: Wichita, KS. 67201
Purchaser: Cooperative Refining L.L.C.
Operator Contact Person: Stan Mitchell
Phone: (316) 272-3988
Contractor: Name: GONZALEZ WELL SERVICE
License: 31985
Wellsite Geologist: NONE
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: HARTMAN OIL CO., INC.
Well Name: Pritchett #1
Original Comp. Date: 02/22/73 Original Total Depth: 4,840'
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
02/18/00 02/21/00 02/23/00
START Date Reached TD Completion Date of
OF WORKOVER WORKOVER

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MAR 8 - 2000

API No. 15 - 055-20066-0001
County: Finney
C SW NW Sec. 04 Twp. 22 S. R. 33 East West
660 feet from (S) N (circle one) Line of Section
660 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Pritchett Well #: 1
Field Name: Damme
Producing Formation: St. Louis - Pawnee - Marmaton
Elevation: Ground: 2,892' Kelly Bushing: 2,896'
Total Depth: 4,840' Plug Back Total Depth: 4,782'
Amount of Surface Pipe Set and Cemented at 422 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 4,833' - DV @ 2,706' Feet
If Alternate II completion, cement circulated from DV @ 2,706'
feet depth to Surface w/ 740 sx cmt.
w/ 12% GEL, 7% salt
Drilling Fluid Management Plan REWORK JFR 11/19/02
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report 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.

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: S.T. Mitchell
Title: Production Supervisor Date: 03/01/00
Subscribed and sworn to before me this 6th day of March, 2000
~~Notary Public~~
Notary Public: [Signature]
Date Commission Expires: 01/19/03

KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

JACQUIE D SANDERS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 11-19-03

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X

Operator Name: HARTMAN OIL CO., INC. Lease Name: Pritchett Well #: 1
 Sec. 04 Twp. 22 S. R. 33 East West County: Finney

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 copy of all Electric Wireline 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
 (Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 ** SEE ATTACHED

* List All E. Logs Run:

* SEE ATTACHED
 OLD { Dual Induction - Laterplog (Enclosed)
 { Gamma Ray Neutron (Enclosed)

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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	# Sacs Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	32#	422'	Common	250	2% Gel, 3% cc
Production	7 7/8"	5 1/2"	14#	4,816'	60/40 Common	1,110	12% Gel 7% Salt

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
2	4,710-15'	2,000 Gal DSFE 15%	4,710-15
2	4,390-96'	600 Gal DSFE 15%	4,390-96
2	4,354-60'	600 Gal DSFE 15%	4,354-60
2	4,320-27'	2,000 Gal DSFE 15%	4,320-27
2	4,042-48'	600 Gal DSFE 15%	4,042-48

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	4,765'	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
02/23/00		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25	-0-	80		

Disposition of Gas: Vented Sold Used on Lease (if vented, Sumit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____
 Production Interval: 4,042-48'
4,354-60'
4,390-96'
4,710-15'

PRITCHETT NO. 1

- 1-31-73 MARMATON 4314 -1418
Running DST #1, 4316-60, on bottom, good blow, don't know if it is water, oil or mud but will test. This is the upper part of the Marmaton, above where we have been testing, but had a little show and thought we should test.
- 2-1-73 ~~DST #1, 4316-60~~, open 1 hour, weak blow increased to strong blow, recovered 1137' fluid; 807' clean oil, 60' frothy muddy oil, 70' oil cut muddy water, 200' muddy water. Oil gravity 34. 2423' gas in pipe. IFP 75, FFP 481, IBHP 1206/30 minutes. FBHP 1130/30 minutes. HH 2285. Temp. 116 degrees.
- 2-2-73 Running DST #2, 4380-4430 now. ~~DST #2, 4380-4430~~, open 1 hour, weak blow increasing to fair blow throughout test. Recovered 240' fluid; 60' heavy oil cut mud, 60' slightly heavy oil cut mud and 120' muddy water. IFP 60, FFP 165, IFBHP 1130/30 minutes. FBHP 1040/30 minutes. HH 2270. Temp. 116°.
- CHEROKEE 4420 -1524
Drilling at 4535. Expect Mississippi around 4610.
- 2-3-73 ~~DST #3, 4592-4620~~, open 1 hour, weak blow, died in 27 minutes, recovered 20' oil specked mud. IFP 45, FFP 45. No IBHP taken. FBHP 60/30 minutes. HH 2316. Temp. 117 degrees.

PRITCHETT NO. 1

- 2-3-73 This is a Morrow Sand Test. (cont) Possible Mississippi or Conglomerate Mississippi top 4616-4720. At 4620 getting ready to drill ahead. Expect to test around 4710.
- 2-5-73 ~~DST #4, 4670-4720~~, open 1 hour, recovered 650' fluid: 30' oil cut mud and 620' frothy heavy oil cut mud, 400' gas in pipe. FP 75-270. IBHP 632/30 minutes. FBHP 602/30 minutes. HH 2408. Temp. 117 degrees. Running DST #5 - 4724-4756 now. Will Total Depth tonight, run log and run pipe in the morning.
- 2-6-73 ~~DST #5, 4724-4756~~, open 1 hour, weak blow, died in 29 minutes. Recovered 15' mud. IFP 60, FFP 60. No. IBHP taken. FBHP 75#/30 minutes. HH 2454. Temp. 117 degrees. Total Depth 4840.
- | | |
|--|---------|
| Ran Schlumberger Electric Log. | |
| Drilling Time Total Depth | 4840 |
| Schlumberger Total Depth | 4840 |
| Drill pipe tally | 4841.80 |
| Casing | 4833. |
| Ran 5½" casing, set down at | 4829, |
| worked to 4836, felt sticky, set casing at 4833. Cemented - | |
| first stage - 120 sacks common cement with 12% gel, 7% salt added (Slurry 240 cu. ft.) followed by | |
| 250 sacks 60-40 pozmix, salt saturated with 25% Gilsonite. | |

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CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

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* *

PRITCHETT NO. 1

WATER SAMPLE DST. #1 ANALYSIS

C1 - 61,000 PPM
Ca - Heavy
Alk - None
ph - 6.0

MUD FILTRATE ANALYSIS

C1 - 16,000 PPM
ph - 6.4

ROTARY BUSHING DATA

	<u>Drilling Time</u>	<u>Electric Log</u>
ELEVATION	2896	2896
HEEBNER	3774 -878	3776 -880
LANS.-K.C.	3820 -924	3820 -924
BKC	4277 -1381	4278 -1382
MARMATON	4303 -1407	4303 -1407
CHEROKEE	4420 -1524	4420 -1524
BASE CHER.	4593 -1697	4595 -1699
MISSISSIPPI	4618 -1722	4619 -1723
ST. LOUIS	4681 -1785	4682 -1786
PAY ZONE	4708 -1812	4710 -1814
RTD	4840 -1944	4840 -1944

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15-055-20066-0000

ORIGINAL
Schlumberger

**COMPENSATED
FORMATION DENSITY LOG**
Gamma-Gamma

COUNTY **FINNEY**
FIELD or **DAMME**
LOCATION SEC. **4-22S-33W**
WELL **PRITCHETT NO. 1**
COMPANY **W.L. HARTMAN**

COMPANY **W.L. HARTMAN** **ORIGINAL RECEIVED**
STATE CORPORATION COMMISSION

WELL **PRITCHETT NO. 1** **MAR 8 - 2000**
FIELD **DAMME** CONSERVATION DIVISION
Wichita, Kansas
COUNTY **FINNEY** STATE **KANSAS**

Location: **C-SW-NW** Other Services:
DIL
Sec. **4** Twp. **22S** Rge. **33W**

Permanent Datum: **GROUND LEVEL**; Elev.: **2892**
Log Measured From **K.B.**, **4** Ft. Above Perm. Datum
Drilling Measured From **K.B.** Elev.: **K.B. 2896**
D.F. 2894
G.L. 2892

Date **2-6-73**
Run No. **ONE**
Depth-Driller **4840**
Depth-Logger **4840**
Btm. log interval **4839**
Top log interval **2400**
Type fluid in hole **2439**
Salinity, PPM Cl. **21,000**
Dens. Visc. **9.4 42**
pH Fluid loss **6.8 6.4**
Level **FULL**
Time since circ. **4 HOURS**
Max rec. temp. **109**
Recorded by **PATTERSON**
Witnessed by **SCHMIDLAPP**

CONFIDENTIAL

RUN		BORE-HOLE RECORD				CASING RECORD		
No.	Bit	From	To	Size	Wgt.	From	To	
1	7 7/8	422	T.D.	8 5/8	---	G.L.	422	



Cemoton

FILE NO.	COMPANY	W. L. HARTMAN	RECEIVED
	WELL	PRITCHETT NO. 1	STATE CORPORATION COMMISSION
	FIELD	DAMME	MAR 8 - 2000
	COUNTY	FINNEY STATE	CONSERVATION DIVISION Wichita, Kansas
LOCATION:		C - SW - NW	Other Services
SEC 4 TWP 22S RGE 33W			G/R-N/N

Permanent Datum	BRADEN HEAD	Elev.	- - -	Elevations:
Log Measured from	6.8' A.B.H.	6.8	Ft. Above Permanent Datum	KB 2896
Drilling Measured from	KELLY BUSHING			DF 2894
				GL 2892

Date	2-20-73
Run No.	ONE (NW)
Type Log	CEMOTON
Depth-Driller	4815
Depth-Logger	4816
Bottom Logged Interval	4815
Top Logged Interval	SURF
Type Fluid in Hole	WATER
Salinity Ppm Cl.	-
Density Lb./Gal.	-
Level	4136
Max. Rec. Temp. Deg. F	-
Opr. Rig Time	2 HRS.
Recorded By	J. NOLTE
Witnessed By	MR. SCHMIDLAPP

Run No.	Bore Hole Record			Casing Record			
	Bit	From	To	Size	Wgt.	From	To
1	-	SURF	422	8-5/8	32	SURF	422
2	7-7/8	422	4840	5-1/2	-	SURF	4833

NO COPIES OF THIS LOG AVAILABLE

ORIGINAL

15-055-20066-0001

DATE
2/25/00

ZERO - 2896' KB

HARTMAN OIL CO., INC.

LEASE - PRITCHETT
WELL - PRITCHETT #1

FIELD - DAMME

LOCATION
C-SW-NW
SEC 04-22S-33W
FINNEY CO. KS.

8 1/8 CSG @ 422'
WI 250 COMMON

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DV TOOL @ 2705'
740 SX COMMON 12 % GEL & 7 % SALT

LKC - 4042-48'

MARMANTON - 4320-27'

MARMANTON - 43354-60'

PAWNEE - 4390-96'

ST LOUIS @ 4710-15"

XXXXXXXXXX|
XXXXXXXXXX|

PBTD @ 4782'

120 SX COM+ 12% GEL + 7% SALT

TD @ 4816' (5 1/2 14#)

250 SX 60-40 POZ WI 25 % GILSONITE

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15-055-20066-0001

HARTMAN OIL CO., INC.

MAR 8 - 2000

CONSERVATION DIVISION
Wichita, Kansas

PRITCHETT #1

(WORKOVER)

PRITCHETT #1
C-SW-NW
SEC. 04-22S-33W
FINNEY CO., KS.

2/18/00 - MIRU - GONZALES WELL SERVICE - UNABLE TO UNSEAT PUMP - BACKED OFF RODS - POOH W/ RODS AND PUMP - (PUMP UNSCREWED FROM HOLD DOWN) - SWAB TBG DOWN AND POOH W/ TBG

2/21/00 - RIH - W/ 4-7/8" BIT & 5-1/2" CSG SCRAPER - (HYDRO TEST TBG 6000# PSI BLEW OUT ONE JT) - TAG BOTTOM @ 4782' - POOH W/ BIT & SCRAPER - RIH W/ 4" PERFORATING GUN PERFORATE - (PAWNEE 4390-96') - (LOWER MARMANTON 4354-60') - (LKC 4042-48') @ 2/SPF RIH W/ RBP & PKR TO 4710'

2/22/00 - TREAT - (ST. LOUIS 4710-15') W/ 500 GAL DRIP CONDENSATE, FOLLOWED - W/ 1000 GAL DSFE 15% ACID - @ 6.5 BPM @ 1700# - ISIP VAC - OVER FLUSH W/ 40 BBL 2% KCL WATER - TREAT - (MARMANTON 4320-27') - W/ 500 GAL DRIP CONDENSATE FOLLOWED W/ 1000 GAL DSFE 15% ACID - @ 6.5 BPM @ 600# - ISIP VAC - OVER FLUSH W/ 40 BBL 2% KCL WATER - ISOLATE - (PAWNEE 4390-96') - SPOT 3 BBL ACID ACROSS PERFS - TREAT W/ 600 GAL DSFE 15% ACID - @ 2 BPM @ 200# OVER FLUSH 2 BBL KCL WATER - SHUT IN 1/2 HOUR - RIH W/ SWAB - FLUID LEVEL @ 2800' - MADE 5 RUNS - 4th RUN (GOOD SHOW OIL & GAS) - 5th RUN TEST @ 55% (GOOD LIVE OIL) - ISOLATE - (LOWER MARMANTON 4354-60') - SPOT 3 BBL ACID ACROSS PERFS - TREAT W/ 600 GAL DDFE 15% ACID @ 3-1/2 BPM @ 1000# - OVER FLUSH 2 BBL W/ 2% KCL WATER - ISIP VAC - RIH W/ SWAB - FLUID LEVEL @ 3500' - MADE 4 RUNS - 4th RUN TEST @ 90% (THICK HEAVY OIL) - ISOLATE - (LKC 4042-48') - SPOT 3 BBL ACID ACROSS PERFS - BROKE DOWN @ 500# - TREAT W/ 600 GAL DDFE 15% ACID @ 1.25 BPM @ 250# - OVER FLUSH 2 BBL W/ 2% KCL WATER - ISIP @ 150# - VAC IN 10" - SHUN IN

2/23/00 - TBG PSI @ VAC - RIH W/ SWAB - FLUID LEVEL @ 700' - MADE 4 RUNS - RECOVERED 14.5 BBL - SWAB DRY - (NO SHOW) - 5th RUN - DRY - RELEASED RBP & PKR & POOH - RIH W/ MUD ANCHOR, SEATING NIPPLE & 155 JTS 2-3/8" - TAG BOTTOM & SPACED 3' OFF BOTTOM - RIH W/ 2" X 1-1/2" X 12' RWTC PUMP W/ 8' GAS ANCHOR - CHG. OUT - 1-1/4" X 16' POLISH ROD & 7' POLISH ROD LINER - LOAD TBG - PSI TO 200# - POP TO TEST