

WELL COMPLETION OR RECOMPLETION FORM

ACO-1 WELL HISTORY

Operator: license # 9755
name Advanced Recovery Services Co.
address P. O. Box 5351
Englewood, CO 80155
City/State/Zip

Operator Contact Person Fred Haddenhorst
Phone 303-790-0252

Contractor: license # 5137
name J. W. Drilling Co., Inc.

Wellsite Geologist Dwight J. Williams
Phone 316-263-5705

PURCHASER

Designate Type of Completion
☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☒ Dry ☐ Other (Core, Water Supply etc.)

1. **IWO:** old well info as follows:

Operator

Well Name

Comp. Date Old Total Depth

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable

Sr Date Date Reached TD Completion Date

9-14-84 9-22-84 9-22-84

.....

Total Depth PBTD

TD - 4650' 8-5/8" @ 301 feet

Ar nt of Surface Pipe Set and Cemented at

.....

Multiple Stage Cementing Collar Used? ☐ Yes ☐ No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

API NO. 15 - 083-21,161

County Hodgeman

C NW SW Sec 36 Twp 21S Rge 25W East
(location) XX West

1980..... Ft North from Southeast Corner of Section
4620..... Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

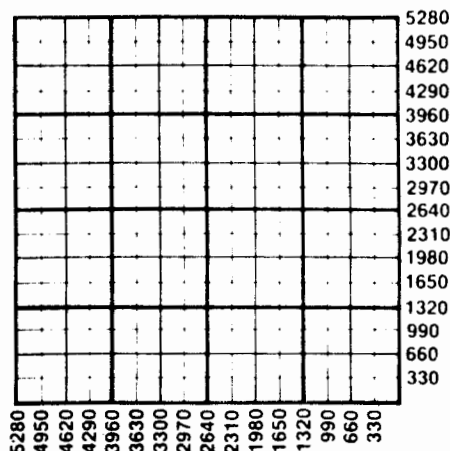
Lease Name Fehrenback Well# 2

Field Name Hummel

Producing Formation

Elevation: Ground 2434 KB 2439

Section Plat



~~4~~ WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

☐ Groundwater. Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of

Sec Twp Rge East West

☐ Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner

Sec Twp Rge East West

~~xxx~~Other (explain) purchased water & hauled in
(purchased from city, R.W.D.#)

Disposition of Produced Water: ☐ Disposal
☐ Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 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 22-3-107 for confidentiality in excess of 12 months.

One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

RECEIVED
 Division, 200 Colorado Derby Building
 STATE DEPARTMENT OF COMMISSION
 SEP 26 1964
 tted with the form See rule 82-3-107

SIDE TWO

Operator Name Advanced Recovery Serv. Lease Name Fehrenback Well# 2 SEC 36 TWP. 21S RGE. 25W ☐ East ☒ West

WELL LOG

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

Samples Sent to Geological Survey

☒ Yes☐ No

Cores Taken

☐ Yes☒ No

Formation Description

☒ Log☐ Sample

DRILLERS LOG

Sand and shale..... 0 - 134
 Shale..... 134 - 304
 Grey shale & Red Bed..... 304 - 460
 Shales..... 460 - 1150
 Sand..... 1150 - 1340
 Shales..... 1340 - 1440
 Shales & Red Beds..... 1440 - 1656
 Anhydrite..... 1656 - 1689
 Shale & Shells..... 1689 - 2395
 Shales..... 2395 - 2655
 Shales & Lime..... 2655 - 3875
 Lime..... 3875 - 4040
 Shale & lime..... 4040 - 4290
 Lime..... 4290 - 4435
 Lime & Shale..... 4435 - 4505
 Lime..... 4505 - 4540
 Lime & Shale..... 4540 - 4635
 Lime..... 4635 - 4650

Name	Top	Bottom
Heebner.....	3870	-1431
Lansing.....	3921	-1482
Base Kansas City..	4300	-1861
Fort Scott.....	4406	-1967
Cherokee Shale....	4442	-2000
Basal Penn. Cong..	4500	-2061
Miss.....	4548	-2109
Miss. Dolomite		
Warsaw.....	4548	-2100
LTD.....	4648	-2200
RTD.....	4650	-2211

DST#1 Straddle 4564-76, 30-45-30-45, 1st opening good blow 12" in 11 min.
 2nd opening good blow 12" in 17 min., rec. 620' gassy muddy water with
 few spots of oil, IBHP 971, IFP 131-151, FFP 254-278, FBHP 938.

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#	301	60/40pos	225	2%gel, 3%cc

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth