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

**API No.:** 15-065-22-468  
**County:** Graham  
**SW, NW, Sec. 8, Twp. 66, Rge. 21, A., W.**  
**4200** Ft North from Southeast Corner of Section 4200  
**4200** Ft West from Southeast Corner of Section 4200  
**(Note: Locate well in section plot below)**  
**Lease Name:** Harvey  
**Field Name:** Boys West (Cont.)  
**Producing Formations:** Lansing/Kansas City  
**Elevation:** 2190  
**Section Plot:**  

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**WATER SUPPLY INFORMATION**

**Disposal of Produced Water:**  
- **Disposal**  
- **Repressuring**

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3711  
Source of Water: Water well  
Division of Water Resources Permit #:  
- **Groundwater:** Ft North from Southeast Corner (Well)  
- **Surface Water:** Ft North from Southeast Corner (Stream, pond etc.)  
- **Other (explain):**  
  (purchased from city, R.K. Co. #)  

**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 wildline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-11 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:**  
**Title:**  
**Date:**  
**Subscribed and sworn to before me this day of , 19...  
**Notary Public:**  
**Date Commission Expires:**

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**Julie K. Stout**

**K.C.C. OFFICE USE ONLY**

- **Letter of Confidentiality Attached**
- **Wireline Log Received**
- **Drillers Time Log Received**

**Distribution:**
- **KCC**
- **SMC/Rep**
- **KGS**
- **Other** (Specify)

**Form ACO-1 (3-86)**
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.

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Drill Stem Tests Taken

Yes ☒ No ☐

Samples Sent to Geological Survey

Yes ☐ No ☒

Cores Taken

Yes ☒ No ☐

Formation Description

Name | Top | Bottom
--- | --- | ---
Anhydrite | 1844 | +351
B/Anhydrite | 1876 | +319
Topeka | 3202 | -1007
Oread Lst. | 3361 | -1166
Heebner | 3403 | -1208
.Toronto | 3429 | -1234
Lansing/Kansas City | 3448 | -1253
Stark Shale | 3610 | -1415
B/Kansas City | 3635 | -1440
Arbuckle | 3698 | -1503
LTD | 3725 | -1530

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DST No. 1 3391-3465
30° 45' 30° 45'
Strong blow on both openings
Rec: 210' Gas in pipe
210' Oil cut mud (50% oil, 50% mud)
IFP 76-105#
ISIP 788#

DST No. 2 3468-3505
30° 45' 35° 45'
Both openings had weak increasing to fair blow
Rec: 5' Oil
90' Oil cut mud (15% oil, 80% mud, 5% water)
120' Saltwater
IFP 67-96#
ISIP 269#

DST No. 3 3510-3549
30° 45' 15° 15'
1st open: Weak blow
2nd open: No blow, flushed tool, no help. (cont. on attached sheet)

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Casing Record

New ☐ Used ☒

Report all strings set-conductor, surface, intermediate, production, etc.

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Purpose of String | Size Hole Drilled | Size Casing Set (in O.D.) | Weight Lbs./Ft. | Setting | Type of Cement | # Sacks Used | Type and Percent Additives
--- | --- | --- | --- | --- | --- | --- | ---
Surface | 12 1/16 | 8 5/8 | .25 | .60/40 | 1.65 | 2% caio
see attached sheet for production casing information...

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Perforation Record

Shots Per Foot | Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth
--- | --- | --- | ---
1 | 3289 to 3322 | 750 gallons 15% MCA | Depth
1 | 3329 to 3460 | 750 gallons 20% SGA | Depth
1 | 3450 to 3480 | 100 gallons 15% MCA | Depth
1 | 3488 to 3498 | 750 gallons 15% MCA | Depth
1 | 3498 to 3433 | 1500 gallons 20% SGA | Depth

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Tubing Record

Size | Set At | Packer at | Liner Run
--- | --- | --- | ---
2 3/8 | 3055.71 | 3055.71 | Yes ☐ No ☐

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Date of First Production 7-29-88
Producing Method
Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain)....

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Oil | Gas | Water | Gas-Oil Ratio | Gravity
--- | --- | --- | --- | ---
50 Bbls | | | |

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Estimated Production Per 24 Hours

50 Bbls

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Method of Completion

Production Interval

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Disposition of gas: Vented ☐ Sold ☐ Used on Lease ☐ Open Hole ☒ Perforation ☐ Other (Specify)......

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Dually Completed ☐ Completed ☐
Attachment sheet for ACO-1
#4 Harvey
Vincent Oil Corporation

DST No. 3 (continued)
Rec: 50' Mud
IFP 57-57#  FFP 57-67#
ISIP 894#  FSIP no final pressure, recorder stuck

DST No. 4 3545-3614
45” 45” 45” 60”
1st open: Fair increasing to strong blow
2nd open: Strong blow
Rec: 360’ Gas in pipe
  420’ Mud cut oil (70% oil, 30% mud)
IFP 96-163#  FFP 192-221#
ISIP 288#  FSIP 307#

DST No. 5 3611-3646
Misrun, packer failure

Production Casing Information

Lower stage: 3723’ of 4 1/2” 10.5# production casing, 115 sx EA-2 Cement, with 10% salt and 3/4 of 1% Halad 322.

Upper stage: From 1869’ to surface, 320 sx Halliburton Lite Cement with 1/4# Floccile/sack.