FORM MUST BE TYPED

SIDE ONE

COPY

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

API NO. 15- 077-21350

County HARPER

_____ - E/2 - E/2 - SW Sec. 15 Twp. 33 Rge. 6 X E W

1320 Feet from (S)/N (circle one) Line of Section

2970 Feet from (E)/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE), NW or SW (circle one)

Lease Name CAROTHERS E Well # 1

Field Name STOHRVILLE

Producing Formation MISSISSIPPI DOLOMITE

Elevation: Ground 1335 KB 1343

Total Depth 4590' PBTD 4549'

Amount of Surface Pipe Set and Cemented at 257

Multiple Stage Cementing Collar Used? _____ Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Alt. 1, 7-6-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1445 ppm Fluid volume 165 bbls

Dewatering method used: PIT ALLOWED TO DRY, restore

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

Operator: License 8061

Name: OIL PRODUCERS, INC. OF KANSAS

Address P.O. BOX 8647

City/State/Zip WICHITA, KANSAS 67208

Purchaser: WESTERN GAS RESOURCES

Operator Contact Person: DIANA RICHECKY

Phone (316) 681-0231

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: NONE ON SITE

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover

X Oil _____ SWD _____ SIOW _____ Temp. Abd.
X Gas _____ ENHR _____ SIGW
_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD
_____ Plug Back _____ PBTD
_____ Commingled Docket No. _____
_____ Dual Completion Docket No. _____
_____ Other (SWD or Inj?) Docket No. _____

5/98 02/21/98 03/16/98
Spud Date Date Reached TD Completion Date
2-15-98

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 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 John S. Weir

Title President Date 06/19/98

Subscribed and sworn to before me this 19th of June, 1998.

Notary Public Diana L. Richecky

Date Commission Expires Jan 12, 2000

DIANA L. RICHECKY
Notary Public - State of Kansas
My Appt. Expires 1/12/2000

**K.C.C. OFFICE USE ONLY**
F _____ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ✓ Geologist Report Received

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

Form ACO-1 (7-91)

SIDE TWO

Operator Name _ Oil Producers, Inc. of Kansas_____ Lease Name __CAROTHERS E_____ Well # __1_____

Sec. __15_ Twp. 33S__ Rge. _6___ ☐ East ☒ West County ___HARPER_____

COPY

) UCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving 1 val 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 (Attach Additional Sheets.) | ☒ Yes | ☐ No | |
| Samples Sent to Geological Survey | ☐ Yes | ☒ No | |
| Cores Taken | ☐ Yes | ☒ No | |
| Electric Log Run (Submit Copy) | ☒ Yes | ☐ No | |

List All E.Logs Run: COMPENSATED DENSITY NEUTRON LOG, DUAL INDUCATION LOG, SONIC LOG GAMMA RAY CORRELATION CEMENT BOND LOG, GEOLOGICAL LOG

☒ Log **Formation (Top), Depth and Datums** ☐ Sample

| Name | Top | Datum |
|---|---|---|
| Heebner | 3196' | -1853 |
| Iatan | 3564' | -2221 |
| Kansas City | 3818' | -2475 |
| Mississippi | 4428' | -3085 |
| Mississippi dolomite | 4442' | -3099 |
| LTD | 4589' | -3246 |

**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 |
|---|---|---|---|---|---|---|---|
| FACE | 12 ¼" | 8 5/8" | 20# | 257 | 60 40 POZ | 175 | 2%GEL, 3% CC |
| PRODUCTION | 7 7/8 | 4 ½" | 10.5 # | 4589 | EA-2 | 100 | 18% SALT, 5% CAL |
| | | | | | | | SEAL |

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 |
|---|---|---|---|
| 4 | 4430 – 4432' | SEE ATTACHED INITIAL COMPLETION REPORT | same |
| 4 | 4442 – 4450' | | |
| | | | |
| | | | |

| **TING RECORD** | Size | Set At | Packer At | Liner Run |
|---|---|---|---|---|
| | 2 3/8" | 4492.31' | | ☐ Yes ☒ No |

| Date of First, Resumed Production, SWD or Inj. | Producing Method | | | | |
|---|---|---|---|---|---|
| 4/18/98 | x Flowing | Pumping | Gas Lift | Other (Explain) | |
| Estimated Production | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
| | | 300mcfpd | | | |

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled __SEE ATTACHED__

(If vented, submit ACO-18.) ☐ Other (Specify) _____ __SHEET 4430 - 4450'