

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- 163-23,113-60-00
County Rooks ✓
E/2 SW SE Sec. 11 Twp. 10S Rge. 19W East
 West

Operator: License # 5652

660 ✓ Ft. North from Southeast Corner of Section

Name: Mustang Oil & Gas Corporation

1650 ✓ Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Address P.O. Box 1609

Great Bend, Kansas 67530

Lease Name Pirotte ✓ Well # 7

City/State/Zip _____

Field Name Vohs

Purchaser: Koch Oil Co.

Producing Formation Arbuckle

Operator Contact Person: J.P. Meroney

Elevation: Ground 2065 KB 2073

Phone (316) 792-7323

Total Depth 3565 PBTD 3565

Contractor: Name: Mallard JV

License: 4958

Wellsite Geologist: Arden Ratzlaff

Designate Type of Completion

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

If OWM: old well info as follows:

Operator: _____

Well Name: _____

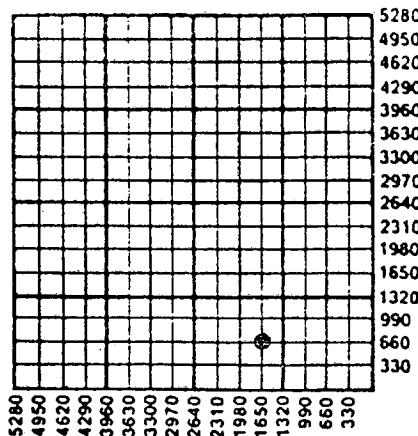
Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

9-13-90 9-19-90 10-1-90

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 261 Feet:

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1422 Feet

If Alternate II completion, cement circulated from 1422

feet depth to Surface w/ 300 sx cmr.

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-1 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.

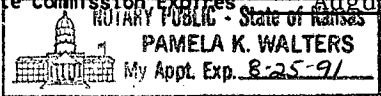
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature J.P. Meroney 11-05-1990
Title Senior Vice President Date 10/25/90
Wichita, Kansas

Subscribed and sworn to before me this 25th day of October, 19 90.

Notary Public Pamela K. Walters
Pamela K. Walters

Date Commission Expires August 25, 1991



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)

ORIGINAL

SIDE TWO

Operator Name Mustang Oil & Gas Corporation Lease Name Pirotte Well # 7
Sec. 11 Twp. 10S Rge. 19W
County Rooks
East West

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 [X] Yes [] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No
Electric Log Run [X] Yes [] No

Formation Description table with columns: Name, Top, Bottom. Rows include Anhydrite, Topeka, Heebner, Toronto, Lansing, Simpson, Arbuckle.

CASING RECORD [X] New [X] Used
Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: Purpose of String, Size Hole Drilled, Size Casing Set, Weight Lbs./Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives. Rows for Surface and Production.

PERFORATION RECORD and Acid, Fracture, Shot, Cement Squeeze Record. Includes Shots Per Foot and Specify Footage of Each Interval Perforated.

TUBING RECORD Size 2 7/8" Set At 3580' Packer At Liner Run [] Yes [X] No

Date of First Production 10-6-90 Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (Explain)

Table with 7 columns: Estimated Production Per 24 Hours, Oil Bbls., Gas Mcf, Water Bbls., Gas-Oil Ratio, Gravity. Values: 30, 0, 75, 25.8°

Disposition of Gas: [] Vented [] Sold [] Used on Lease
METHOD OF COMPLETION: [X] Open Hole [] Perforation [] Dually Completed [] Commingled
Production Interval: 3563'-3565'

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

15-163-23113-00-00

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

GENERAL TERMS AND CONDITIONS

New

ALLIED CEMENTING CO., INC. No. 9015

Contract, "merchandise" refers to the front of this contract... Home Office P. O. Box 31 Russell, Kansas 67665

Contract details including Date (9-14-90), Lease (Piroette), Contractor (Mallard Joint Ventures Reg), Type Job (Set Surface Pipe), Hole Size (12 1/4"), Depth (261), Cement Left (15'), and Meas Line (Displace X).

Contract details including Job Start (6:45 A.M.), Location (Rooks, KS), and terms regarding equipment and labor.

Table with columns: No., Cementer, Helper, Driver. Includes names Gary H. Wayne, Wayne Mc., and Glen C.

Table with columns: Consisting of, Common, Poz. Mix, Gel., Chloride, Quickset, Handling, Mileage, Sub Total, Total.

Table with columns: Reference #, Description, Amount. Includes Pumptruck surface (360.00), 1-8 7/8" surface plug (40.00), mileage (14.00).

Table with columns: Floating Equipment, Remarks (Thanks), RECEIVED, NOV 5 1990.

Remarks: Cement Circulated

MALLARD JV, INC.
P.O. BOX 1009
McPHERSON, KS 67460

ORIGINAL

DRILLERS' LOG

15-163-23113-00-00

OPERATOR: MUSTANG COMPANIES, INC.
P.O. DRAWER 1609
GREAT BEND, KS 67530

WELL: PIROTTE #7

API#: 15-163-23,113

COMMENCED: SEPTEMBER 13, 1990

LOCATION: E/2 SW SE

COMPLETED: SEPTEMBER 20, 1990

660 Ft. FSL, 1650 Ft. FEL

TOTAL DEPTH: 3565 Ft.

SEC. 11 TWP. 10 S RGE. 19 W

ELEVATION: 2065 Ft. G.L.

COUNTY: ROOKS

2073 Ft. K.B.

STATUS: Ran Casing - Arbuckle Formation

REMARKS:

Cut 12 1/4" hole to 261' and ran 6 joints 8-5/8" x 24# x 251.42'. Set at 261' and cemented with 160 sacks 60/40 pozmix, 2% gel, 3% cc. Cement did circulate. P.D. at 7:00 a.m. 9-14-90.

Ran 2 DSTs and electric log.

R.T.D. 7-7/8" hole at 3565' and ran 88 joints 5 1/2" x 15.5# x 3586' production casing. Set at 3563' and cemented 1st stage with 225 sacks 60/40 pozmix; 2nd stage with 300 sacks Econolite. P.D. at 5:10 a.m. 9-20-90. Released and held.

STATE OF KANSAS)
COUNTY OF MCPHERSON) SS:

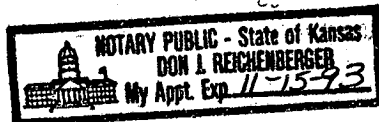
I, Bryan Hess, of MALLARD JV, INC. hereby certify that this is a true and correct copy of the log of the Pirotte #7 well as reflected by the files of Mallard JV, Inc.

RECEIVED
STATE CORPORATION COMMISSION

11-05-1990
NOV 5 1990

Bryan Hess
✓

Subscribed and sworn to before me this 27th day of September, 1990.



Don J. Reichenberger
NOTARY PUBLIC

WELL NO. 7 LEASE Pirate SEC 11 TWP. 10^s RANGE 19^w
 DATE 9-20-90

TO: **HALLIBURTON SERVICES** YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Mustang Dr 19 (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 7 LEASE Pirate SEC 11 TWP. 10^s RANGE 19^w
 FIELD _____ COUNTY Rooks STATE Ks OWNED BY Some

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
 THICKNESS _____ FROM _____ TO _____
 PACKER: TYPE DUB SET AT 1422'
 TOTAL DEPTH 3565 MUD WEIGHT _____
 BORE-HOLE Per shoe 3563
 INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
 PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAX. ALLOW. P.S.I. |
|--------------|----------|--------|--------------|-------------|-------------|--------------------|
| CASING | <u>u</u> | | <u>5 1/2</u> | <u>6L</u> | <u>3565</u> | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | | <u>3563</u> | <u>65</u> | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
COMP 2 Stage Long String w/ Per shoe DUB 1422'

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

- That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

NOV 5 1990

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER
 DATE 9-19-90
 TIME 2245 A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been compiled with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

HARIBURTON SERVICES
JOB LOG

WELL NO. 71516 LEASE # 2311300000 TICKET NO. 005977
 CUSTOMER MONTGOMERY DATE 9-20-70
 JOB TYPE 3 Stage Long String

FORM 2013R-2

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|---|
| | | | | T | C | IN | CASING | |
| 919 | 2000 | | | | | | | called out recent long string 2 stage w/ PKR shoe & cont 2 baskets, cont pipe w/ 275 SKs total 402 200 gal 100 salt systems & 4 Fracole TOP stage w/ 300 NLC, 1/2 fracole 2/30 2305 ST. casing w/ PKR shoe latched down baskets on 41 shoe at cont, on 15456 9 51 53rd collars baskets on 6 and 8 54 was 1 down Top of 52 ft @ 1420 |
| 920 | 0053 | | | | | | | Casing 71 to @ 8665, 30' up from RD Hook up 4 cir to TD |
| | 0103 | | | | | | | (6m) |
| | 0110 | | | | | | | Drop small ball, take out filter tube |
| | 0120 | | | | | | | Drop large ball, to 50' PKR shoe |
| | 0130 | | | | | 1200 | | Rig pass up on large ball set PKR shoe accidentally, small ball didn't set |
| | | | 18 | | | 500 | | Hook up to pump 11K, pump 18661 salt Slush, 45% mixent 275, 6040 |
| | | | 65 | | | 200 | | cmr mixed, wash pump & line, drop Latched down plug ST. Displ. |
| | 0208 | | | | | 1450 | | Ldg plug @ 1450' KB, hold press |
| | 0209 | | | | | | | Rel press to tri, plug latched down |
| | 0210 | | | | | | | Drop free fall plug |
| | 0230 | | | | | 1250 | | press up on DV opened, pump 20 but mud still tri |
| | 0241 | | | | | | | cir for 2 hrs w/ rig |
| | 0415 | | | | | 50 | | plug rot hole w/ 15 sks & mouse hole w/ 10 sks |
| | 0430 | NOV | 5,1990 | | | 200 | | Hook 45% mixing 300 sks 11K, for 2nd stage |
| | 0448 | | | | | 200 | | cmr mixed, rel plug 45% displ |
| | 0505 | | | | | 1800 | | Ldg plug @ 1450' KB (cir 65 sks cmr) |
| | 0507 | | | | | | | Rel to tri (ok) (TOP IT) |

C. P. ... # 41474
 X Richmond # 43734
 A. W. ... # 47610
 R. ... # 49720
 M. ... # 41382

Job complete
 Cleanup

CUSTOMER