

ORIGINAL

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SIDE ONE

RECEIVED MAY 02 1991

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

Operator: License # 3372

Name: Morrison-Dixon Oil Operations, Inc.

Address 100 N. Main

Suite 801

City/State/Zip Wichita, KS 67202

Purchaser: _____

Operator Contact Person: Michael W. Dixon

Phone (316) 264-9632

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

Wellsite Geologist: Micheal W. Dixon

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

04-08-91 04-15-91 04-16-91

Spud Date Date Reached TD Completion Date

API NO. 15- 193-20, 551-00-00

County Thomas

SE SW NE Sec. 31 Twp. 9S Rge. 31W East West

2970 Ft. North from Southeast Corner of Section

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

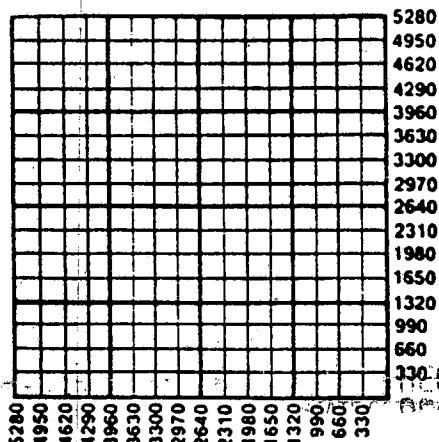
Lease Name Engelhardt Well # 1

Field Name W.C.

Producing Formation None

Elevation: Ground 3034 KB 3041

Total Depth 4700 PBDT _____



Amount of Surface Pipe Set and Cemented at 261 Feet

Multiple Stage Cementing Collar Used? Yes 07-02-1991 No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

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-4 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 [Signature]

Title Jack E. Goss, Drilling Manager Date 05-01-91

Subscribed and sworn to before me this 1st day of May, 19 91.

Notary Public Melanie Rau

Melanie Rau

Date Commission Expires 4-18-93

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)

MELANIE RAU
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 4-18-93

SIDE TWO

ORIGINAL

Operator Name Morrison-Dixon Oil Operations, Lease Name Engelhardt Well # 1

Sec. 31 Twp. 9S Rge. 31W
[] East
[X] West

County Thomas

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
DST #1 4188-4317; 30-45-60-60
Rec. 310' MW., 835' Wtr.,
IFP 117-181# FFP 227-394#
ISIP 1262# FSIP 1198#

Formation Description
[X] Log [] Sample
Name Top Bottom
Anhydrite 2606 +433
B/An 2636 +403
Hb 4027 --988
Lans 4068 -1029
Stark 4281 -1242
Ft. Scott 4532 -1493
Chero. 4562 -1523
Miss. 4656 -1617

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

Table with 8 columns: 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. Row 1: Surface, 12 1/4", 8-5/8", 261, 60/40 Poz, 180, 2% gel, 3% cc

PERFORATION RECORD
Shots Per Foot | Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth

TUBING RECORD
Size Set At Packer At Liner Run [] Yes [] No

Date of First Production Producing Method [] Flowing [] Pumping [] Gas Lift [] Other (Explain)
Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: [] Vented [] Sold [] Used on Lease. (If vented, submit ACO-18.)
METHOD OF COMPLETION: [] Open Hole [] Perforation [] Dually Completed [] Commingled [] Other (Specify)
Production Interval