

ORIGINAL

SIDE ONE

12/22/90

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

Operator: License # 06113
Name: Landmark Oil Exploration, Inc.
Address: 250 N. Water, Suite 308

City/State/Zip Wichita, Kansas 67202

Purchaser: N/A

Operator Contact Person: Jeff Wood

Phone (316) 265-8181

Contractor: Name: Warrior Drilling Company

License: 05883

Wellsite Geologist: Craig Caulk

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

11-24-89 12-02-89 12-02-89
Spud Date Date Reached TD Completion Date

API NO. 15- 109-20,480-0000

County Logan

SE SW SW Sec. 4 Twp. 11-S Rge. 33-W XX East West

330 Ft. North from Southeast Corner of Section

4290 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

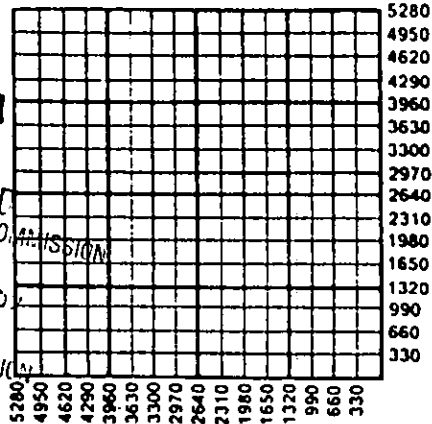
Lease Name Nollette Well # #1-4

Field Name N/A

Producing Formation N/A

Elevation: Ground 3123 KB 3130

Total Depth 4732' PBD _____



12-22-89

RECEIVED
STATE CORPORATION COMMISSION

DEC 22 1990

CONSERVATION DIVISION
Wichita, Kansas

Amount of Surface Pipe Set and Cemented at 359 Feet

Multiple Stage Cementing Collar Used? Yes 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 _____

Title President, Jeffrey R. Wood Date 12-14-89

Subscribed and sworn to before me this 14th day of December, 19 89.

Notary Public Karri Wolken

Date Commission Expires December 21, 1991

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached
 Wireline Log Received
 Drillers TimeLog Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

SIDE TWO

Operator Name Landmark Oil Exploration, Inc. Lease Name Nollette Well # 1-4
 Sec. 4 Twp. 11-SRge. 33-W East West County Logan

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. **RELEASED**

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Formation Description 1 6 1991
 Log Sample **FROM CONFIDENTIAL**

| Name | Top | Bottom |
|-------------|-------|--------|
| Anhydrite | 2619' | +511 |
| B.Anhydrite | 2646' | +484 |
| Heebner | 4037' | -907 |
| Lansing | 4081' | -951 |
| Stark | 4304' | -1174 |
| Pawnee | 4504' | -1374 |
| Ft. Scott | 4558' | -1428 |
| Cherokee | 4586' | -1456 |
| Johnson | 4635' | -1505 |
| Mississippi | 4702' | -1572 |

DST #1 4300-4380, Rec. 1' oil; 90' slocm, less than 1% oil; and 749' wtr. FP 40-121/162-335#. SIP 1382-1323#.

DST #2 4570-4650, Rec. 90' thin mud with few spots of oil; 450' wtr. FP 40-101/132-274#. SIP 1095-1085#.

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 | 10-1/4 | 8-5/8" | 20# | 359' | 60/40 poz | 200 | 3% CC, 2% gel |
| | | | | | | | |
| | | | | | | | |

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used) Depth

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

Size Set At Packer At

Liner Run Yes No

Date of First Production N/A 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