11/12/88
KCC

RELEASED
DEC 1 1988
FROM CONFIDENTIAL

SIDE ONE

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

Date: 11/10/87

API NO. 15- 025-20991

County Clark

100' S of C
NW NW NW Sec. 12 Twp. 30S Rge. 25W ~~East~~ X West

4850 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
**(Note: Locate well in section plat below)**

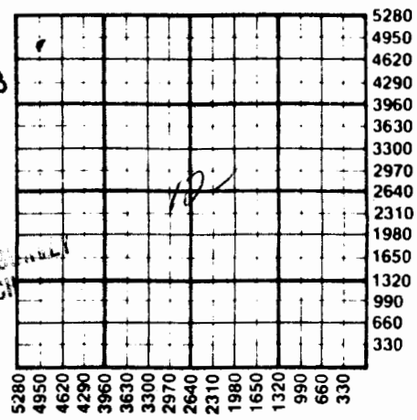
Lease Name Statton Well # 2-12

Field Name Fager South

Producing Formation Morrow

Elevation: Ground 2570' KB 2579'

**Section Plat**




DEC 15 1988

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

**Operator: License #** 6033
Name Murfin Drilling Company
Address 250 N. Water, Suite 300
City/State/Zip Wichita, KS 67202

**Purchaser** Clear Creek, Inc.
McPherson, KS

**Operator Contact Person** Larry M. Jack
Phone 267-3241

**Contractor:** License # 6033
Name Murfin Drilling Company

**Wellsite Geologist** Chuck Schmaltz
Phone 838-1136

Designate **Type of Completion**
X New Well ___ Re-Entry ___ Workover

___ Oil ___ SWD ___ Temp Abd
X Gas ___ Inj ___ Delayed Comp.
___ Dry ___ Other (Core, Water Supply etc.)

If **OWWO:** old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

**WATER SUPPLY INFORMATION**

**Disposition of Produced Water:** ___ **Disposal**
**Docket #** n/a ___ **Repressuring**

**WELL HISTORY**

Drilling Method:
X Mud Rotary ___ Air Rotary ___ Cable

| 9/24/87 | 10/5/87 | 10/29/87 |
|---|---|---|
| Spud Date | Date Reached TD | Completion Date |

| 5435' | 5365' |
|---|---|
| Total Depth | PBTD |

Amount of Surface Pipe Set and Cemented at 1211 feet
Multiple Stage Cementing Collar Used? ___ Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt
Cement Company Name
Invoice #

**Questions on this portion of the ACO-1 call:**
**Water Resources Board (913) 296-3717**
Source of Water:
Division of Water Resources Permit #

___ Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge ___ East ___ West

___ Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge ___ East ___ West

___ Other (explain) Hauled
(purchased from city, R.W.D. #)

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. 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 By: Larry M. Jack
Larry M. Jack
Title Eastern Div., Prod. Manager Date 11/10/87

Subscribed and sworn to before me this 10 day of Nov. 19 87
Notary Public Kerran Redington
Kerran Redington
Date Commission Expires 2/6/90

KERRAN REDINGTON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 2-6-90

NOV 13 1987

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

**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)

Sec. 12 Twp. 30 Rge. 25 W

Form ACO-1 (5-86)

**SIDE TWO**

Operator Name Murfin Drilling Company Lease Name Statton Well # 2-12

Sec. 12 Twp. 30S Rge. 25W ☐ East ☐ West County Clark

**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.**

| | | |
|---|---|---|
| Drill Stem Tests Taken | ☒ Yes | ☐ No |
| Samples Sent to Geological Survey | ☒ Yes | ☐ No |
| Cores Taken | ☒ Yes | ☐ No |

DST #1: 5096-5190', 30-45-30-45, 1st open wk blow to 3", 2nd open wk 1" blow, rec. 120' M + 180' MW - no show. HP: 2554-2554, FP: 94-118/177-201, SIP: 1635-1601, BHT 118°.

DST #2: 5304-28', 30-60-60-120. 1st open strong blow off btm of bucket in 2 min. GTS 23 min. 2nd open GTS immediately. Rec. 180' GCM w/scum oil. HP: 2580-60, SIP: 659-659, FP 81-91/101-121, BHT 130°.

Core #1: 5307-28' cut 21', rec. 19.8'. 5307-08' gray sh, 5309-12' Sh w/streaks SS & Siltstone, 5313-14' Laminated very fn grn SS, Siltstone & Sh, 5315-21' SS grey-tn very fn grn P inter grn ϕ bleeding a little O & G, 5322-26.8' very very fn-grn SS, Siltstone.

**Formation Description**

☒ Log ☐ Sample

| Name | Top | Bottom |
|---|---|---|
| Heebner | 4362' | (-1783) |
| Toronto | 4382' | (-1803) |
| Lansing | 4486' | (-1907) |
| Stark-shale | 4894' | (-2315) |
| BKC | 5008' | (-2429) |
| Marmaton | 5028' | (-2449) |
| Cherokee Shale | 5158' | (-2579) |
| B/Inola | 5276' | (-2697) |
| Morrow Shale | 5304' | (-2725) |
| Miss | 5366' | (-2787) |

**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 | 12¼" | 8 5/8" | 24# | 1211' | 40/60 Poz | 500 | 2% gel, 3% CC |
| | | | | | Class H | 150 | 3% CC |
| Prod. | 7 7/8" | 5½" | 15.5# | 5324' | Class A | 150 | 10% salt, 3/4% CFR-2 Latex in last 50 sx. |

| PERFORATION RECORD | | Acid, Fracture, Shot, Cement Squeeze Record | |
|---|---|---|---|
| Shots Per Foot | Specify Footage of Each Interval Perforated | (Amount and Kind of Material Used) | Depth |
| 4 | 5308-18' | Mighty-Oil III frac: 17000 gal. PAD & 75 sx. 20/40 sand | 5308-18 |

**TUBING RECORD** Size 2 3/8" Set At 5267' Packer at 5267' Liner Run ☐ Yes ☐ No

| Date of First Production | Producing Method |
|---|---|
| 10/30/87 | ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain) |

| | Oil | Gas | Water | Gas-Oil Ratio | Gravity |
|---|---|---|---|---|---|
| Estimated Production Per 24 Hours | 100 | 1000 MCF | -- | -- | -- |
| | Bbls | MCF | Bbls | CFPB | |

**METHOD OF COMPLETION** Production Interval

Disposition of gas: ☐ Vented ☒ Sold ☐ Used on Lease

☐ Open Hole ☒ Perforation
☐ Other (Specify) .....

5308-18'

☐ Dually Completed
☐ Commingled

.....