FORM MUST BE TYPED
STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
AG-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # _________________ 30282
Name: Lobo Production, Inc.
Address: P.O. Drawer J
City/State/Zip: Cortez, Colo 81321

Purchaser: None to Date
Operator Contact Person: John P. Sanders
Phone: 203-565-7186
Contractor: Name: Lobo Rig
License: 30282
Wellsite Geologist: 

Designate Type of Completion
X New Well __ Re-Entry ____ Workover

Oil ___ SWD ___ SAGV ___ Temp. Abnd.
X Gas ___ ENHR ___ SAGV ___
Dry ___ Other (Core, USW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:
Operator: ____________________________
Well Name: ____________________________
Comp. Date _______ Old Total Depth ________
Deepeining ________ Re-perf. ________ Conv. to inj/SWD
Plug Back ________ PBD
Commingled _______ Docket No.
Dual Completion _______ Docket No.
Other (Swd or inj) _______ Docket No.

11/06/92 11/13/92 11/13/92
Spud Date ______ Date Reached TD ______ Completion Date ______

API No. 15- 181-20293 -00-00
County: Sherman
SE, SE, SE Sec.31 Twp.7 Rge 99 x W
550 Feet from NW (circle one) Line of Section
330 Feet from SW (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, SW or NW (circle one)

Lease Name: Oscar Thrig Well # 1-31
Field Name: Goodland Gas Field
Producing Formation: Niobrara
Elevation: __________ Ground ____________ KB __________
Total Depth ______ PBD
Amount of Surface Pipe Set and Cemented at ______ 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/ ________ ex Cont.
Brining Fluid Management Plan ______ 7-14-97
(Date must be collected from the Reserve Pit)
Chloride content ________ ppm Fluid volume 100 _bbis
Dewatering method used __________ Settling Pit
Location of fluid disposal if hauled offsite:

Operator Name: ____________________________
Lease Name: ____________________________
License No. ____________________________
Quarter Sec. ______ Twp. ______ S Rng. ______ E/W
County __________

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

E/K.C. RECEIVED
E/K.C. RECEIVED
E/K.C. RECEIVED

Distribution

SUBJECT: AG-1

Date Commission Expires _______ OF 28-94

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 82-3-139, 82-3-106 and 82-3-117 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: ____________________________
Title: Pres. ____________________________
Date: 2-16-93 ____________________________

Subscribed and sworn to before me this 16th day of Feb 1993.
Notary Public ____________________________
Date Commission Expires _______ OF 28-94

Form AGO-1 (7-91)
Operator Name: Lobo Production, Inc.
Lease Name: Oscar Thrig
Well #: 1-31
Sec: 31  Twp: 7  Acre: 39  X West
County: Sherman

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
(Attach Additional Sheets.)

Samples Sent to Geological Survey: Yes  No

Cores Taken: Yes  No

Electric Log Run: Yes  No
(Submit Copy.)

List All Logs Run:

- Dual Induction
- Netron Density

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### CASING RECORD

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (In O.D.)</th>
<th>Weight Lbs./Ft.</th>
<th>Setting Depth</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>9 1/2</td>
<td>7</td>
<td>23.0</td>
<td>350'</td>
<td>Class A</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>Production</td>
<td>6 1/2</td>
<td>4 1/2</td>
<td>11.6</td>
<td>1120'</td>
<td>Class A</td>
<td>35</td>
<td></td>
</tr>
</tbody>
</table>

### ADDITIONAL CEMENTING/SQUEEZE RECORD

- Perforate
- Protect Casing
- Plug Back To
- Plug Off Zone

### PERFORATION RECORD - Bridge Plugs Set/Type

- Specify footage of each interval perforated

- Acid, Fracture, Shet, Cement Squeeze Record

- Has not been perforated for production as of this date.

### TUBING RECORD

<table>
<thead>
<tr>
<th>Size</th>
<th>Set At</th>
<th>Packer At</th>
<th>Liner Run</th>
<th>Yes  No</th>
</tr>
</thead>
</table>

- Date of First, Resumed Production, SWD or Inject.
- 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

- Method of Completion: Open Hole, Perf., Dually Comp., Commingled, Other (Specify)
Apt No. 15- 15-181-20293

County Sherman

SE, SE Sec. 31 Twp. 7S Rge. 39

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

Lease Name Oscar Ihrig  Well # 1-31
Field Name Goodland Gas Field

Producing Formation Niobrara

Elevation: Above 3635 KB 3638

Total Depth 1128 PTD

Amount of Surface Pipe Set and Cemented at 338 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set

If Alternate II completion, cement circulated at

Drilling Fluid Management Plan PLT 6-17-93

Chloride content Fresh 0 ppm Fluid volume 250 barrels

De-watering method used None

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name

License No.

Quarter Sec. Twp. Rng. E/W

County

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PTD

Casing/Irrigation Deck No.

Dual Completion Deck No.

Other (SWD or Inj) Deck No.

Spud Date 11-09-92 Date Reached TD 11-13-92 Completion Date 11-17-92

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, re-completion, workover or conversion of a well. Rules 82-3-130, 82-3-106 and 82-3-107 apply. Information on sides 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 geological well reports 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 J. Sanders
Title President
Date 6-14-93

Subscribed and sworn to before me this 14th day of June 1993.
Notary Public

Date Commission Expires 12-1-96

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

Distribution

KCG SVD/Rep

KGS Plug

(Specify)

RECEIVED

SHARON K. JENSEN
State of Kansas
My App. Exp. 11-1-94

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE
Operator Name: Lobo Production, Inc  
Lease Name: Oscar Thrig  
Well #: 1-31
Sec. 34  
Twp. 7S  
Rge. 39  
County: Sherman

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time test open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrosstatic 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 Copies.)
- Yes
- No

Samples Sent to Geological Survey
- Yes
- No

Cores Taken
- Yes
- No

Electric Log Run
- Yes
- No

List all E.Logs Run:

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**CASING RECORD**

- New  
- Used

Report all strings set—conductor, surface, intermediate, production, etc.

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (in O.D.)</th>
<th>Weight Lbs./Ft.</th>
<th>Setting Depth</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>9&quot;</td>
<td>7&quot;</td>
<td>29</td>
<td>350</td>
<td>A</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>Production</td>
<td>4½&quot;</td>
<td>11.60</td>
<td>1120</td>
<td>A</td>
<td>35</td>
<td></td>
<td></td>
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</tbody>
</table>

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**ADDITIONAL CEMENTING/SQUEEZE RECORD**

<table>
<thead>
<tr>
<th>Purpose:</th>
<th>Depth</th>
<th>Type of Cement</th>
<th>#Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perforate</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protect Casing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plug Back To</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plug Off Zone</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PERFORATION RECORD**

- Bridge Plugs Set/Type
- Specify Footage of Each Interval Perforated

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>Interval Perf.</th>
<th>Acid, Fracture, Shot, Cement Squeeze Record</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1010 to 1040</td>
<td>1000,000 lbs. sand</td>
<td>1010-40</td>
</tr>
</tbody>
</table>

---

**TUBING RECORD**

- Size
- Set At
- Packer At
- Liner Run
- Yes
- No

Date of First Resumed Production, SGD or Inj.:
May 28, 1993

Producing Method:
- Flowing
- Pumping
- Gas Lift
- Other (Explain)

Estimated Production Per 24 Hours:
- Oil
- Bbls.
- Gas
- MCFD
- Water
- Bbls.
- Gas-Oil Ratio
- Gravity

Disposition of Gas:
- Vented
- Sold
- Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

- Open Hole
- Perf.
- Dually Comp. (Specify)
- Other (Specify)

**Production Interval**

---
Operator Lobo Production, Inc. Well Name Ihrig #1-31
County Sherman, State Kansas
Well Location SE, SE, SE, SEC 31 Date Cemented Nov. 8, 1993
T.7, R 39 W.
Hole Size 9" Csg Size and Weight 7" 23 lbs.
Hole Depth 360' Csg Depth 350' Csg Cap. 1.65 gal./ft.
Sacks of Cement 52 Gel % by wt. 0 Amt. water 315 gal.
Density 15.0 lb/gal. Calculated Ht. of Cmt above Btm of Csg Ground Level

Cement Calculations:
Vol. between csg. and hole 1.306 gal./ft.
Wash out (incl. vol. left in csg.) 10 %.
Density desired 15.0 lbs./gal. Water required 6 gal. / sk.
Vol./mixed sk. 9.574 gal.
Depth 350 ft X Vol. 1.306 gal./ft. X 1.10 % = 502.181 Tot Slurry
Total Slurry 502.81 + vol/ mixed sk. 9.574 = 52 Total sks.
Total sks. 52 x Gal. water required/sk. 6 = 315 gal. Tot. Water

Displacement Calculations:
Total Csg. length 350 ft. Capacity 1.65 gal./ft.
Desired footage of cement to be left in Csg. 20 ft.
Csg. length 350 ft. - cement left in Csg. 20 ft capacity 1.65 =
544.5 Total gal in Csg.
Allowance for capacity of pump, hoses, etc + 20.5 gal.
Total Displacement 565 gal.

3/24/93
RECEIVED
STATE CORPORATION COMMISSION
MAR 24 1993
CONSERVATION DIVISION
Wichita, Kansas
I, John P. Sanders, representative of Lobo Production Inc., located at P.O. Drawer J; Cortez, Colo. 81321 witnessed the cementing of the Ihrig #1-31 well, and it was done in accordance with the attached calculations.

Comments: Cement circulated to the surface. There was about 10' of solid cement in the bottom of the casing when we drilled out.

Signed: John P. Sanders
As Lobo Production

State of Colorado
County of Montezuma

This instrument was acknowledged before me on this 22nd day of March, 1993, by John P. Sanders

Cindy Skinner
Notary Public, State of Colorado

My Commission Expires: 01-28-94
LOBO PRODUCTION
RRT.2, BOX 76-A
GOODLAND, KS 67735
JOB: #. OF LANDFILL

CONCRETE: 1 SK: 82 7% / sk $574.00
FIBERMESH:
ROCK:
MILES: 
FILL:
DEL CHG: 65 mi? TRUCK $0.75
MISC:
MISC1:
MISC2:
MISC3:

SUBTOTAL: $574.00
$48.75
MISC: $0.00
TRUCK $0.75
MISC1: $0.00
MISC2: $0.00
MISC3: $0.00

TOTAL: $622.75
$38.30
$661.05

THANK YOU FOR YOUR BUSINESS

GARY !!!!

WEIRD

SOME TICKET OR 2 WELLS

RECEIVED
STATE CORPORATION COMMISSION
FEB 19 1993

CONSERVATION DIVISION
Wichita, Kansas

2/19/93
CEMENT LOG

CEMENT DATA:
- Spacer Type:
- Amt.: 35 Bbls
- Ska Yield: 1.41
- ft³/sk Density: 14.5
- Tail: 6.63 gals/sk Tail
- Water: 6.63 gals/sk Total
- PPG

LEAD:
- Pump Time: hrs.
- Type: Scurdill
- Amt.: 15 Bbls
- Ska Yield: 1.41
- ft³/sk Density: 14.5
- Excess
- Tail: 6.63 gals/sk Tail
- Water: 6.63 gals/sk Total
- PPG

Pump Trucks Used: 6
Bulk Equip.: 275-540/11

Company: Lobo
Lease: Thig
County: Cherokee
State: KS
Location: Goodwill 5N Min.

Casing Data:
- Size: 4 1/2
- Type: Squeeze
- Liner
- Weight: 26 Collar
- Weight: 26 Liner
- P.B.: ft.

Drill Pipe: Size
Open Hole: Size

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. 0.155 Lin. ft./Bbl.
Open Holes: Bbls/Lin. ft.
Drill Pipe: Bbls/Lin. ft.
Annul: Bbls/Lin. ft.

Perforations:

COMPANY REPRESENTATIVE: John Sander
CEMENTER: Fritz

<table>
<thead>
<tr>
<th>TIME</th>
<th>PRESSURES PSI</th>
<th>FLUID PUMPED DATA</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM/PM</td>
<td>DRILL PIPE</td>
<td>CASING</td>
<td>ANNULUS</td>
</tr>
<tr>
<td>9:00</td>
<td>am</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>11:00</td>
<td>am</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>12:30</td>
<td>pm</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>1:00</td>
<td>pm</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>

FINAL DISP. PRESS: 90 PSI
BUMP PLUG TO: 90 PSI
BLEEDBACK: 90 BBLS.
THANK YOU