

Must be approved by the K.C.C. five (5) days prior to commencing well

Expected Spud Date 4 1 89
month day year

*NE NE NE Sec 11: Twp 18 S, Rg 31 East
West

OPERATOR: License # 7185
Name: Luff Exploration Company
Address: 1580 Lincoln Street, Suite 850
City/State/Zip: Denver, Colorado 80203
Contact Person: Richard A. Ferris
Phone: (303) 861-2468

4950
*330 feet from South line of Section
feet from East line of Section
(Note: Locate well on Section Plat Below)

CONTRACTOR: License #: 5422
Name: Abercrombie Drilling, Inc.

County: Scott
Lease Name: Malone Well #: A-11
Field Name: Wildcat

Well Drilled For: Well Class: Type Equipment:
 Oil ... Inj ... Infield Mud Rotary
... Gas ... Storage ... Pool Ext. ... Air Rotary
... OAWO ... Disposal Wildcat ... Cable
... Seismic; ... # of Holes

Is this a Prorated Field? ... yes no
Target Formation(s): Mississippian
Nearest lease or unit boundary: 330'
Ground Surface Elevation: *2912 feet MSL
Domestic well within 330 feet: ... yes no
Municipal well within one mile: ... yes no
Depth to bottom of fresh water: 200'
Depth to bottom of usable water: 1300'
Surface Pipe by Alternate: ... 1 2
Length of Surface Pipe Planned to be set: 300'
Length of Conductor pipe required: None
Projected Total Depth: 4650'
Formation at Total Depth: Mississippian
Water Source for Drilling Operations:
... well ... farm pond ... other
DWR Permit #: ...
Will Cores Be Taken?: ... yes no
If yes, proposed zone: ...

If OAWO: old well information as follows:
Operator: ...
Well Name: ...
Comp. Date: ... Old Total Depth ...

Directional, Deviated or Horizontal wellbore? ... yes no
If yes, total depth location: ...

AFFIDAVIT

*WAS: NW-NE-NE, 990' FEL, 2914' GL.

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55-101, et. seq.

It is agreed that the following minimum requirements will be met:

1. The appropriate district office shall be notified before setting surface pipe;
2. The minimum amount of surface pipe as specified above shall be set by circulating cement to the top; in all cases surface pipe shall be set through all unconsolidated materials plus a minimum of 20 feet into the underlying formation;
3. If the well is dry, a plugging proposal shall be submitted to the district office. An agreement between the operator and the district office on plug length and placement is necessary prior to plugging;
4. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
5. If an Alternate II completion, production pipe shall be cemented from below any usable water to surface within 120 days of spud date. In all cases, notify district office prior to any cementing.

I hereby certify that the statements made herein are true and to the best of my knowledge and belief. Operations
Date: 4/21/89 Signature of Operator or Agent: Richard A. Ferris Title: Engr. Supervisor

5280	
4950	
4620	
4290	
3960	
3630	
3300	
2970	
2640	
2310	
1980	
1650	
1320	
990	
660	
330	

RECEIVED
STATE CORPORATION COMMISSION
APR 24 1989
4-24-89
CONSERVATION DIVISION
WICHITA, KANSAS

FOR KCC USE: FD
Commission # 15-171-20,381-0000
Conductor pipe required NONE feet
Minimum surface pipe required 200' feet per Alt. X (2)
Approved by: L.M. A-26-89 ORIG. RCVD: 3-21-89
EFFECTIVE DATE: 3-26-89
This authorization expires: 9-21-89
(This authorization void if drilling not started within 6 months of effective date.)
Spud date: _____ Agent: _____

REMEMBER TO:

- File Drill Pit Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed;
- Obtain written approval before disposing or injecting salt water.