

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

Expected Spud Date 6-12-89
month day year

110' S of
N/2 N/2 NW Sec .16. Twp .9. S, Rg .27. East
 West

..... 4840 feet from South line of Section
..... 3960 feet from East line of Section

(Note: Locate well on Section Plat Below)

OPERATOR: License # 5011
Name: Viking Resources
Address: 120 S. Market, Suite 518
City/State/Zip: Wichita, KS .. 67202-3819
Contact Person: Jim Devlin
Phone: (316) 262-2502

County: Sheridan
Lease Name: Popp Well #: 1

Field Name:
Is this a Prorated Field? yes no

CONTRACTOR: License #: 4958
Name: Mallard JV, Inc.

Target Formation(s): LKC

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

Nearest lease or unit boundary: 440
Ground Surface Elevation: 2734 feet MSL

Domestic well within 330 feet: yes no
Municipal well within one mile: yes no

Depth to bottom of fresh water: 200-180
Depth to bottom of usable water: 1500

Surface Pipe by Alternate: 1 2
Length of Surface Pipe Planned to be set: 200-200'

Length of Conductor pipe required: None
Projected Total Depth: 4100

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

Formation at Total Depth: BKC
Water Source for Drilling Operations:
... well farm pond other

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

DWR Permit #:
Will Cores Be Taken?: yes no

If yes, proposed zone:

AFFIDAVIT

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.

Date: 24 May 1989 Signature of Operator or Agent: *[Signature]* Title: Operator

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

RECEIVED
STATE CORPORATION COMMISSION
MAY 25 1989
05-25-1989
CONSERVATION DIVISION
Wichita, Kansas

FOR KCC USE:

API # 15- 179-20944-00-00 ✓ DA

Conductor pipe required none feet

Minimum surface pipe required 200' feet per Alt. X

Approved by: DPW 05-25-89

EFFECTIVE DATE: 05-30-89

This authorization expires: 11-25-89

(This authorization void if drilling not started within 6 months of effective date.)

Spud date: _____ Agent: _____

16
9
27m

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.