

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

Pi

API No. 15 LABETTE 0099-21580  
County Number

11 35 18 E  
S. T. R. W

SE SE NW

County LABETTE

Operator 710 OIL COMPANY

Address 1800 W. SUNSET, SPRINGDALE, AR. 72764

Well No. -1- Lease Name NEIDIGH (NORTH)

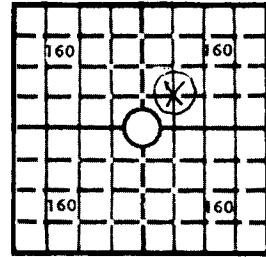
Footage Location 1200 feet from (N) (S) line 200 feet from (E) (W) line

Principal Contractor WINTER DRILLING CO. Geologist R. W. DRISKELL

Spud Date 4/28 Date Completed 4/28 Total Depth 1200 P.B.T.D.

Directional Deviation NONE Oil and/or Gas Purchaser H.E. WACKERLEE CO., INC.

640 Acres N



Elev.: Gr.

DF KB

CASING RECORD

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

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
SURFACE	7-1/2	7"		60'	STANDARD	3	1/2 SACK-CAL. CHLO RIDE
PRODUCTION	6 1/4	4 1/4	6000 PSI TST	930'	PORTLAND A	115	6 SACKS - GEL

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			3	0	860' - 864'

Size	Setting depth	Packer set at
2 3/8	900'	850'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
600 GALLONS 15% HCL -1 GAL AK14 - 3 GAL. AR27	860' - 864'
1 GAL AY21	

INITIAL PRODUCTION

Date of first production 5/15/81	Producing method (flowing, pumping, gas lift, etc.) FLOWING
RATE OF PRODUCTION PER 24 HOURS	Oil NONE bbls. Gas 421 MCF Water 2 bbls. Gas-oil ratio NONE CFPB
Disposition of gas (vented, used on lease or sold) SOLD	Producing interval (s) 860-864'

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator  
710 OIL COMPANY, INC.

DESIGNATE TYPE OF COMP.: OIL, GAS,  
DRY HOLE, SWDW, ETC.:

Well No. Lease Name  
NEIDIGH(NORTH)

GAS

S 11 T 35 R 18 <sup>E</sup>/<sub>W</sub>

**WELL LOG**

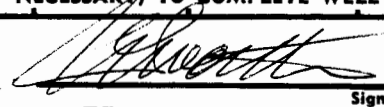
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN,  
OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
SEE ATTACHMENT				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received



Signature

PRESIDENT

Title

7/27/81

Date

## State Geological Survey

## WICHITA BRANCH

Interval: 250-260  
 Lithology: silty shale  
 Matrix: 70% silty shale, 30% black shale  
 Color: dark gray  
 Texture: smooth  
 Composition: silty and calcareous  
 Visible Porosity: poor  
 Type Porosity:  
 Hardness: v. soft  
 Stain: no stain; dull fluorescence  
 Shape:  
 Fracture: splintery  
 Cut: poor-fair  
 Cut Color: whitish green  
 Cut Type: cloud  
 Comments: fair odor; no tint; probably non-commercial

Interval: 300-310  
 Lithology: lime  
 Matrix: 100% lime  
 Color: light gray  
 Texture: nearly dense  
 Composition: argillaceous and silty  
 Visible Porosity: poor  
 Type Porosity: fracture and intergranular  
 Hardness: hard  
 Stain: no stain; dull white fluorescence  
 Shape:  
 Fracture:  
 Cut: poor-fair  
 Cut Color: white  
 Cut Type: cloud  
 Comments: poor odor; noncommercial

## Jswego

Interval: 260-290  
 Lithology: sandy lime  
 Matrix: 100% sandy lime  
 Color: brownish gray  
 Texture: finely crystalline  
 Composition: sandy, silty and argillaceous  
 Visible Porosity: fair  
 Type Porosity: intergranular  
 Hardness: hard and soft  
 Stain: no stain; dull fluorescence  
 Shape:  
 Fracture:  
 Cut: fair  
 Cut Color: white  
 Cut Type: cloud  
 Comments: good odor; no tint; probably non-commercial

## Squirrel or Prue

Interval: 320-330  
 Lithology: sandy shale  
 Matrix: 90% sandy shale, 10% lime  
 Color: brown and gray  
 Texture: coarse  
 Composition: sandy, silty and dolomitic  
 Visible Porosity: fair  
 Type Porosity:  
 Hardness: soft  
 Stain: no stain; 40% dull fluorescence  
 Shape: subrounded  
 Fracture: tabular  
 Cut: poor  
 Cut Color: white  
 Cut Type: cloud  
 Comments: poor odor; noncommercial, laminated and ferrous

RECEIVED  
 STATE CORPORATION COMMISSION

SEP 28 1981

CONSERVATION DIVISION  
 Wichita, Kansas

Mississippian

Interval: 865-870  
 Lithology: silty lime  
 Matrix: 100% silty lime  
 Color: brown  
 Texture: finely crystalline  
 Composition: silty  
 Visible Porosity: good  
 Type Porosity: intergranular  
 Hardness: soft  
 Stain: fair stain; 100% fluorescence  
 Shape:  
 Fracture:  
 Cut: good  
 Cut Color: green  
 Cut Type: cloud  
 Comments: v. strong odor; dark tint to cutting solution; commercial gas and oil

Woodford

Interval: 1200-1224  
 Lithology: shale  
 Matrix: 100% shale  
 Color: black  
 Texture: smooth  
 Composition: carbonaceous  
 Visible Porosity: poor  
 Type Porosity:  
 Hardness: soft  
 Stain: no stain; dull fluorescence  
 Shape:  
 Fracture: tabular  
 Cut: no show  
 Cut Color:  
 Cut Type:  
 Comments: v. strong odor

Interval: 870-875  
 Lithology: lime  
 Matrix: 100% lime  
 Color: brown  
 Texture: nearly dense  
 Composition: argillaceous and silty  
 Visible Porosity: poor  
 Type Porosity: fracture  
 Hardness: hard  
 Stain: no stain; dull fluorescence  
 Shape:  
 Fracture:  
 Cut: fair  
 Cut Color: green  
 Cut Type: cloud  
 Comments: good odor; dark tint to cutting solution

Arbuckle/Wilcox

Interval: 1224-1226  
 Lithology: shale  
 Matrix: 75% shale, 25% dolomite  
 Color: black  
 Texture: smooth  
 Composition: carbonaceous  
 Visible Porosity: poor  
 Type Porosity:  
 Hardness: soft  
 Stain: no stain; dolomite fluorescence  
 Shape:  
 Fracture: tabular  
 Cut: v. poor  
 Cut Color: green  
 Cut Type: cloud  
 Comments: v. strong odor; poor dolomite development; noncommercial

**Interval:** 1226-1234  
**Lithology:** dolomite  
**Matrix:** 100% dolomite  
**Color:** brown  
**Texture:** dense  
**Composition:** argillaceous  
**Visible Porosity:** poor-none  
**Type Porosity:** fracture (?)  
**Hardness:** hard  
**Stain:** no stain; yellow fluorescence  
**Shape:**  
**Fracture:**  
**Cut:** no show  
**Cut Color:**  
**Cut Type:**  
**Comments:** odor; poor development

**Interval:** 1244-1248  
**Lithology:** chert and dolomite  
**Matrix:** 100% chert and dolomite  
**Color:** v. light gray  
**Texture:** dense  
**Composition:** siliceous  
**Visible Porosity:** none  
**Type Porosity:** none  
**Hardness:** v. hard  
**Stain:** no stain; 100% fluorescence  
**Shape:**  
**Fracture:**  
**Cut:** no show  
**Cut Color:**  
**Cut Type:**  
**Comments:**

**Interval:** 1234-1244  
**Lithology:** sandy dolomite  
**Matrix:** 100% dolomite  
**Color:** gray  
**Texture:** finely crystalline  
**Composition:** sandy  
**Visible Porosity:** good  
**Type Porosity:** intergranular  
**Hardness:** soft  
**Stain:** no stain; 100% fluorescence  
**Shape:**  
**Fracture:**  
**Cut:** no show  
**Cut Color:**  
**Cut Type:**  
**Comments:** odor; no cut

**Interval:** 1248-1250  
**Lithology:** sandy dolomite  
**Matrix:** 100% sandy dolomite  
**Color:** brownish gray  
**Texture:** finely crystalline  
**Composition:** sandy  
**Visible Porosity:** good  
**Type Porosity:** intergranular  
**Hardness:** soft  
**Stain:** no stain; 100% fluorescence  
**Shape:**  
**Fracture:**  
**Cut:** no show  
**Cut Color:**  
**Cut Type:**  
**Comments:** odor; no cut

Interval: 1250-1252  
Lithology: dolomite and chert  
Matrix: 100% dolomite and chert  
Color: light gray  
Texture: dense  
Composition: siliceous  
Visible Porosity: none  
Type Porosity: none  
Hardness: hard  
Stain: no stain; 100% fluorescence  
Shape:  
Fracture:  
Cut: no show  
Cut Color:  
Cut Type:  
Comments: odor

Interval:  
Lithology:  
Matrix:  
Color:  
Texture:  
Composition:  
Visible Porosity:  
Type Porosity:  
Hardness:  
Stain:  
Shape:  
Fracture:  
Cut:  
Cut Color:  
Cut Type:  
Comments:

Interval: 1252-T.D.  
Lithology: dolomite  
Matrix: 90% dolomite, 10% chert and shale  
Color: light gray  
Texture: v. finely crystalline  
Composition: silty  
Visible Porosity: fair  
Type Porosity: intergranular  
Hardness: soft  
Stain: no stain; 95% fluorescence  
Shape:  
Fracture:  
Cut: no show  
Cut Color:  
Cut Type:  
Comments: odor; gas zone

Interval:  
Lithology:  
Matrix:  
Color:  
Texture:  
Composition:  
Visible Porosity:  
Type Porosity:  
Hardness:  
Stain:  
Shape:  
Fracture:  
Cut:  
Cut Color:  
Cut Type:  
Comments:

T.D. 1259'