

ANSAS

IMPORTANT

Kans. Geo. Survey request  
samples on this well.

# WELL COMPLETION REPORT AND DRILLER'S LOG

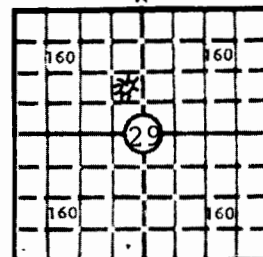
API No. 15 — 007 — 21,090  
County Number

S. 29 T. 31 R. 15 <sup>R</sup><sub>W</sub>

Loc. NE SE NW

County Barber

640 Acres  
N



Locate well correctly  
1997

Elev.: Gr.

DF KB 2009

Operator

Murfo Oil & Royalty Co.

Address

Box 12666 Ft. Worth, Texas 76116

Well No.

# 1

Lease Name

Ralph Rusk "B"

Footage Location

1650 feet from (N) line 2310 feet from (W) line

Principal Contractor

H-30, Inc.

Geologist

Kent Deutsch

Spud Date

1/23/81

Date Completed

2/4/81

Total Depth

5320

P.B.T.D.

4936

Directional Deviation

Oil and/or Gas Purchaser

None as yet

## 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	12 $\frac{1}{4}$	8-5/8	24	283	Regular	200	2%Gel&3%CaCl.
Production	7-7/8	5 $\frac{1}{2}$	14	4977	Regular	300	15%Salt&1%CFR-2

## LINER RECORD

## PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	$\frac{1}{2}$ " Jet	4821-29
Size	Setting depth	Packer set at	4	$\frac{1}{2}$ " Jet	4834-40
2	4854	4792			

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1500 Gals. 15% Demud Acid	4821-4840

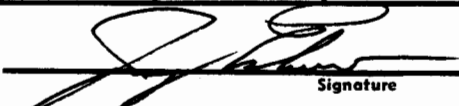
## INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
4-20-81		Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	None	1,612	None		
	bbls.	MCF	bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
Waiting on gas line.			4821-29, 4834-40		

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.

ator  
MURJO OIL & ROYALTY COMPANY

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

Well No. 1	Lease Name Ralph Rusk "B"	Gas		
S _ T _ R _ E W				
<b>WELL LOG</b> 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
DST: Cherokee Sand 30-60-30-60 GTS in 2 minutes. Stabilized at 2530 MCFPD. Recovered 120' GCM. IFP = 349-444      ISIP = 1678 FFP = 434-487      FSIP = 1678 HP = 2415-2394      BHT = 130°F	4800	4840	Winfield	2460
			Council Grove	2707
			Heebner	4096
			Lansing	4276
			Base/Ka.City	4710
DST = Arbuckle 30-60-5-Out Recovered 180' Watery Mud. IFP = 41-41      ISIP = 1779 FFP = ---      FSIP = --- HP = 2701-2680      BHT = 135°F	5276	5290	Massey	4744
			Cherokee	4817
			Mississippi	4856
			Kinderhook	4871
			Viola	4993
			Simpson	5191
			Arbuckle	5276
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	 Jerry Eskew Signature Vice President - Operations Title April 23, 1981 Date			

166621

SIDE ONE

## AFFIDAVIT OF COMPLETION FORM

(REV) ACO-1

This form shall be filed in duplicate with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ten days after the completion of the well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on side one will be of public record and side two will then be held confidential.

Circle one: Oil, Gas, Dry, SWD, OWWO, Injection. Type and complete ALL sections. Applications must be filed for dual completion, commingling, SWD and injection, T.A.

Attach wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.).  
KCC # (316) 263-3238. (Rules 82-2-105 & 82-2-125)

OPERATOR MURJO OIL & ROYALTY COMPANYAPI NO. 15-007-21,090ADDRESS P. O. Box 12666COUNTY BarberFort Worth, Texas 76116

FIELD \_\_\_\_\_

\*\*CONTACT PERSON Jerry Eskew

PROD. FORMATION \_\_\_\_\_

PHONE 817/737-4088LEASE Rusk "B"

PURCHASER \_\_\_\_\_

WELL NO. 1

ADDRESS \_\_\_\_\_

WELL LOCATION NE/SE/NW

DRILLING \_\_\_\_\_

1650 Ft. from North Line and

CONTRACTOR \_\_\_\_\_

2070 Ft. from West Line of

ADDRESS \_\_\_\_\_

the SEC. 29 TWP. 31S RGE. 15WPLUGGING Kelso Casing Pulling

CONTRACTOR \_\_\_\_\_

ADDRESS Box 176Chase, Kansas 67524TOTAL DEPTH 5320 PBTB 4736SPUD DATE 1/23/81 DATE COMPLETED 8/27/82ELEV: GR 1997 DF \_\_\_\_\_ KB 2009

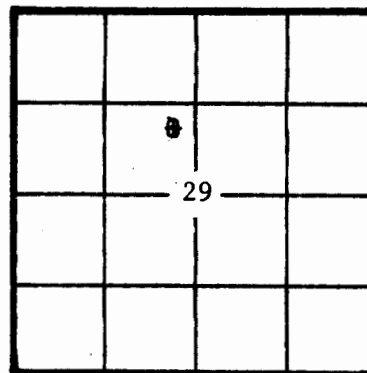
DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS

Amount of surface pipe set and cemented 283 DV Tool Used? No

## AFFIDAVIT

STATE OF Texas, COUNTY OF Tarrant SS, I, \_\_\_\_\_Jerry Eskew OF LAWFUL AGE, BEING FIRST DULY SWORN UPON HIS OATH,DEPOSES THAT HE IS Vice President-Operations (FOR)(OF) MURJO OIL & ROYALTY COMPANYOPERATOR OF THE Rusk "B" LEASE, AND IS DULY AUTHORIZED TO MAKETHIS AFFIDAVIT FOR AND ON THE BEHALF OF SAID OPERATOR, THAT WELL NO. 1 ONPluggedState Geological Survey  
WICHITA, BRANCH

## WELL PLAT

KCC  
KGS ☒  
(Office  
Use)

W21-1E-92

SIDE TWO

## 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
<p><u>P&amp;A Procedure:</u></p> <p>Set 5½" wooden plug at 2800'</p> <p>Dump 55 Gal. sand on top. Set 5 sack cement plug at 2750'. Shot-off 5½" casing at 2340' and pulled 58 joints. Pumped top plug as follows:</p> <ul style="list-style-type: none"> <li>4 - sacks cotton seed hulls</li> <li>25 - sacks Poz w/4% Gel &amp; 3% CaCl.</li> <li>25 - sacks Gel</li> <li>1 - sack cotton seed hulls</li> <li>1 - 8-5/8" wooden plug</li> <li>125 - sacks 50/50 Poz w/4% Gel &amp; 3% CaCl.</li> </ul> <p>Plug down at 9:25 a.m. 8/27/82</p>				29-31-15w

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used				Depth interval treated
1500 Gals. 15% Demud Acid				4821-4840
500 Gals. 15% MCA				4746-54
500 Gals. 15% MCA				2776-83
Date of first production		Producing method (flowing, pumping, gas lift, etc.)		Gravity
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water %	Gas-oil ratio
	bbls.	bbls.	bbls.	CFPS
Disposition of gas (vented, used on lease or sold)			Perforations	

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or (Used)

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	12-1/4	8-5/8	24	283	Reg.	200	2%Gel & 3%CaCl.
Production	7-7/8	5-1/2	14	4977	Reg.	300	15% Salt & 1% CFR-2

## LINER RECORD

## PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	1/2" Jet	4821-29, 4834-40
TUBING RECORD			2	1/2" Jet	4746-54
Size	Setting depth	Packer set at	2	1/2" Jet	2776-83

# KANSAS DRILLERS LOG

COMPANY Murjo Oil & Royalty Company  
 STATE Geological Survey 29 ° 31S ° 15W  
 FARM Ralph Rusk "B" NO. 1 WICHITA, BRANCH  
 LOC. 1650' FNL & 2310' FW

COUNTY Barber  
 ROTARY TOTAL DEPTH 5,320'  
 COMM. January 23, 1981 COMP. February 4, 1981  
 CONTRACTOR H-30, INC. (Rig #77)  
 ISSUED February 17, 1981

## CASING

10 3/4"  
 8 5/8" Set at 283' cemented w/200 sxs cement  
 5 1/2" Set at 4,978' cemented w/300 sxs cement  
 4 1/2"

ELEVATION 2,009' K.B.

FIGURES INDICATE BOTTOM OF FORMATIONS

Red Bed	1,586'
Lime and Shale	1,970'
Shale and Shells	2,147'
Lime and Shale	4,564'
Lime	4,760'
Lime and Shale	4,851'
Lime	5,082'
Lime and Shale	5,200'
Lime	5,290'
Lime and Shale	5,320'
Rotary Total Depth	5,320'

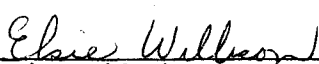
I hereby certify the above and foregoing to be  
 a true and correct log of the above described  
 well as shown by the drilling reports.

H-30, INC.

  
 Gary Younger

State of Kansas )  
 ) SS:  
 County of Sedgwick )

Subscribed and Sworn to before me a Notary Public  
 in and for said county and state this 17th day of  
 February, 1981.

  
 Elsie Willison - Notary Public