

KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOG

S. 2 T. 9 R. 17 ^R/_W
Loc. 490' FEL & 1650' FNL SE
County Rooks

API No. 15 — 163 — 20,927-02-00
County Number

Operator
Sierra Petroleum Co., Inc.

Address
P. O. Box 247 Wichita, Kansas 67201

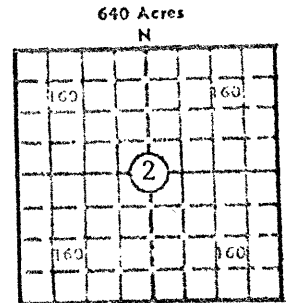
Well No. #3 Lease Name Howat

Footage Location
1650 feet from (N) (S) line 490 feet from (E) (W) line SE 1/4

Principal Contractor Dreiling Oil, Inc. Geologist Francis Whisler

Spud Date June 30, 1979 Date Completed Aug. 21, 1979 Total Depth 3447' P.B.T.D.

Directional Deviation Oil and/or Gas Purchaser Cities Service Oil Co.



Locate well correctly
Elev.: Gr. 2005'
DF 2007 KB 2010'

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
To protect fresh water		8 5/8"		243'	COMMON	175	10 bbls salt flush
Production		4 1/2"	10.5#	3446	common	100	10% salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2		3183-87; 3146-49; 3247-51; 3311-15' 3323-26'

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	3397'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
4,000 gals acid overall	all perforations communi- ted as above.

INITIAL PRODUCTION

Date of first production August 21, 1979 Producing method (flowing, pumping, gas lift, etc.) Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	<u>36</u> bbls.	<u>MCF</u>	<u>bbls.</u>	<u>CFPB</u>

Disposition of gas (vented, used on lease or sold) Producing interval(s)

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 trans-
mitted 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.

15-163-20927-00-00

Operator **Sierra Petroleum Co., Inc.** DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. **3** Lease Name **Howat** OIL

S 2 T 9S R 17 ~~E~~ W

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
Post Rock	0	80	Petro Log	
Blue Shale	80	248	Radiation Guard Log	
Shale	248	1010	Compensated Density Log	
Red Bed	1010	1270		
Anhydrite	1270	1307		
Shale	1307	2115		
Lime & Shale	2115	2365		
Shale	2365	2795		
Shale & Lime	2795	3065		
Lime & Shale	3065	3167		
Lime	3167	3447		
T.D.		3447		

NO DRILL STEM TESTS RUN

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

Date Received _____

Muriel F. C. Jeram
 Signature
 Geological Secretary
 Title
 September 7, 1979
 Date