

KANSAS

8-35-37W

WELL COMPLETION REPORT AND DRILLER'S LOG

State Geological Survey  
WICHITA BRANCH

S. 8 T. 35S R. 37 W

API No. 15 — 189 — 20,540  
County Number

Loc. NW/4

County Stevens

Operator Mobil Oil Corporation

Address P.O. Box 5444 Denver, CO 80217

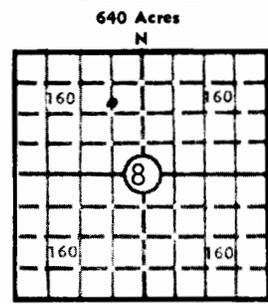
Well No. 2 Lease Name Bolton No. 1

Footage Location 1250 feet from (N) line 1250 feet from (W) line

Principal Contractor Wakefield Drilling Co. Geologist V. C. Andresen

Spud Date 6-2-81 Date Completed 7-7-81 Total Depth 3230 P.B.T.D. 3215

Directional Deviation 1°@720'; 10°@1785'; 10°@2467 Oil and/or Gas Purchaser Northern Natural Gas



Elev.: Gr. 3164

DF KB 3172

3/4" @ 3230' 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 Casing	12-1/4"	8-5/8	24#	720'	Class H Class H	150 150	12% gel + 3% CaCl <sub>2</sub> 3% CaCl <sub>2</sub>
Production Casing	7-7/8"	5-1/2"	14#	3230'	Howco Lite Class H	500 150	1/4#/sk Floce 1e 18% NaCl + .75% CFR-2

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			3		3028-3033
TUBING RECORD			3		3050-3058
Size	Setting depth	Packer set at	3		3071-3073
2-3/8"	3093'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
3000 gals MOD 202 acid + additives & 75 ball sealers	3028-3073
60,000 gals fresh gelled water + 90,000 #20/40 sand + additives	

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
awaiting connections	pumping
RATE OF PRODUCTION PER 24 HOURS	Gas-Oil ratio
Oil bbls.	Gas bbls.
N/A 7/15/81 MCF	
Water	CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval (s)
awaiting connections	3028-3073

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 Mobil Oil Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas
Well No. 2	Lease Name Bolton No. 1	
S <u>8</u> T <u>35</u> R <u>37</u> E <sup>A</sup> 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
Sand & Clay	0	635	Stone Corral	1685
Red Bed <sub>d</sub>	635	720	Chase	2661
Red Bed <sub>d</sub> & Gyp	720	1238	Council Grove	3017
Sand	1238	1390		
Shale & Gyp	1390	1725		
Anhydrite & shale	1725	1930		
Shale & Anhydrite	1930	2220		
Shale & Lime	2220	2615		
Lime & Shale	2615	2960		
Lime	2960	3090		
Lime & Shale	3090	3230		
R.T.D.		3230		

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

Date Received	 C. J. PARK <small>Signature</small>
	PRODUCING ACCOUNTING SUPERVISOR <small>Title</small>
	7-15-81 <small>Date</small>

8. 35-37W

State Geological Survey  
WICHITA BRANCH

KANSAS DRILLER'S LOG

LEASE: BOLTON NO. 1 UNIT NO. 2  
OWNER: MOBIL OIL CORPORATION  
SPUD: 6-02-81  
COMP: 6-07-81

LOCATION: NW/4  
SECTION 8-35S-37W  
STEVENS COUNTY, KANSAS  
CASING: 8 5/8" SET @ 720'  
5 1/2" SET @ 3230'

Sand & Clay	635
Red Bed	720
Red Bed & Gyp	1238
Sand	1390
Shale & Gyp	1725
Anhydrite & Shale	1930
Shale & Anhydrite	2220
Shale & Lime	2615
Lime & Shale	2960
Lime	3090
Lime & Shale	3230
R.T.D.	3230

RECEIVED  
STATE CORPORATION COMMISSION

JUL - 6 1981

CONSERVATION DIVISION  
Wichita, Kansas

STATE OF KANSAS     )  
                          )     ss.  
COUNTY OF SEDGWICK )

I, William C. Wakefield, do hereby certify that this is a true and correct Driller's Log on the BOLTON NO. 1 UNIT NO. 2, located NW/4 SECTION 8-35S-37W, STEVENS COUNTY, KANSAS, as shown by the daily drilling reports.