

KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOG

State Geological Survey

API No. 15 — 163 — 21,350
County Number

WICHITA BRANCH

Operator

Liberty Enterprises, Inc.

Address

308 West Mill

Well No.

#1

Lease Name

McKenna

Footage Location

1650

feet from (N) (S) line

2310

feet from (E) (W) line

Principal Contractor

Pioneer Drilling Company, Inc.

Geologist

Greg Issinghoff

Spud Date

8/18/81

Date Completed

8/26/81

Total Depth

3792'

P.B.T.D.

3772'

Directional Deviation

Oil and/or Gas Purchaser

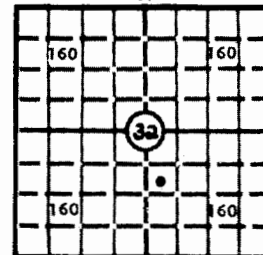
S. 32 T. 10 R. 20 Ex W

Loc. SW NW SE

County Rocks

640 Acres

N



Locate well correctly

Elev.: Gr. 2154'

DF 2157' KB 2159'

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 1/2"	8 5/8"	24#	247'	common	145	2% gel, 3% cc
production	7 7/8"	5 1/2"	14#	3786'	RDC	150	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	3/8" jet SSB	3734-3742

TUBING RECORD

Size	Setting depth	Packer set at
2 1/2"	3769'	

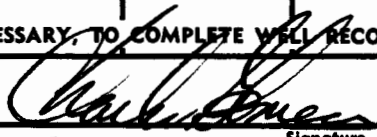
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gallons XXM 38 acid	3734-42
Squeeze cement through braden head	

INITIAL PRODUCTION

Date of first production 10/10/81		Producing method (flowing, pumping, gas lift, etc.) pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 72 BOPD	Gas bbls.	Water MCF	Gas-oil ratio bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s) 3734-42		

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 Liberty Enterprises, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. #1	Lease Name McKenna		OIL
S 32 T 10 R 20 ^{EC} _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
<p>Geological & Completion Reports Enclosed</p>			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	<div style="text-align: right;">  Charles G. Comeau Signature Petroleum Geologist Title October 6, 1981 Date </div>		

hhk79t

W E L L L O G

OPERATOR: Liberty Enterprises, Inc.

WELL NAME: McKenna #1 LOCATION: SW NW SE 32-10s-20W

COUNTY: Rooks STATE: Kansas

WELL COMMENCED: August 18, 1981 WELL COMPLETED: August 26, 1981

ELEVATION: 2159' K.B. TOTAL DEPTH: 3792'

PRODUCTION: Oil RIG NO: #1

CASING - 8 5/8": 6 Jts new 24# set @ 247' cemented with 145 sxs common 2%gel 3%cc
P.D. @ 2:00 A.M. 8-19-81 did circ.
5 1/2": 85 Jts new 14# set @ 3786' landed in cellar cemented with 150 sxs RDC
P.D. @ 6:45 A.M.

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

FROM	TO	FORMATION	DEVIATION FROM VERTICAL	REMARKS:
0'	184'	sand and shale		
184'	254'		254' - 1/2 degree	
254'	352'	sand and shale		
352'	1537'	sand and shale		
1537'	1592'	sand and shale		
1592'	1654'	anhydrite		
1654'	1853'	sand and shale		
1853'	2120'	sand and shale		
2120'	2184'	shale and lime	2127' - 1 degree	
2184'	2538'	shale and lime		
2538'	2795'	lime and shale		
2795'	2964'	lime and shale		
2964'	3123'	shale and lime		
3123'	3262'	lime and shale		
3262'	3377'	lime and shale		
3377'	3463'	shale and lime		
3463'	3530'	lime and shale		
3530'	3592'	lime and shale		
3592'	3614'	shale and lime	3614' - 1 degree	
3614'	3686'	lime and shale		
3686'	3742'	lime and shale	3742' - 1 degree	
3742'	3792'	arabucke		
3792'	R.T.D.			

RECEIVED
STATE COMMISSION

SEP 11 1981

CONFIRMATION
Wichita, Kansas

COMPLETION REPORT

McKenna #1
SW NW SE 32-10S-20W
Rooks County, Kansas

Elevation: 2159 KB

Casing: 8 5/8" at 240', cement circulated
5 1/2" at 3782', cemented with 150 sacks ASC

Logs: Great Guns, GR-N-Guard and Caliper

Rotary Total Depth: 3780'

9-29-81

Rig up, swab down. Run tubing with drill bit to clean out cement.

9-30-81

Drill cement out of 5 1/2" casing to 3772' PBID. 140 sacks cement on surface pipe. Swab down casing, tested dry. Perforate Arbuckle, 16 shots at 3734-42, good show of oil, natural. Set overnight.

10-1-81

Swab down test, 10 barrel muddy oil per hour, declined to 8 barrels of oil per hour. Treated with 250 gallons XXM-38 Acid by Dowell. Displaced acid and set overnight.

10-2-81

Fluid down 700' from surface. Recovered acid load and tested 12.5 barrels per hour (100% oil) from 3600'. Set retrievable bridge plug at 2200'. Pressure casing to 1000#.

10-3-81

Squeeze cement through braden head with 250 sacks 50/50 poz, 6% gel. Pressure to 600#. Rupture fillings on braden head. Shut in back side. Release crew.

10-5-81

Pull retrievable bridge plug, cleaned out hole to 3772'. Run 2 1/2" tubing to 3769', 15' mud anchor, 1' seat nipple. New 2 1/2" tubing, new 3/4" rods, 2 1/2 x 12 x 1 1/2 pump. Release rig.

First production 10-10-81 72 BOPD

32-10-20W
State Geologist
WICHITA BRANCH