TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

SIDE ONE

Two (2) copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within thirty (30) days after the completion of a 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.

Applications must be made on dual completion, commingling, salt water disposal, injection and temporarily abandoned wells.

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

LICENSE # 5562 EXPIRATION DATE 6-30-83

OPERATOR Liberty Enterprises, Inc. API NO. 15-163-21,551 -00-00

ADDRESS 308 West Mill COUNTY Rooks

Plainville, Kansas 67663 FIELD RIFFE

** CONTACT PERSON Charles G. Comeau PROD. FORMATION KC & Topeka

PHONE 913-434-4686

PURCHASER CRA, Inc. LEASE Bittel

ADDRESS P.O. Box 7305 WELL NO. 1

Kansas City, Missouri WELL LOCATION SW SW NW

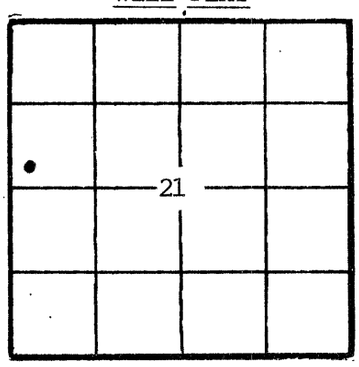
DRILLING CONTRACTOR Pioneer Drilling Company, Inc. 2310 Ft. from North Line and

ADDRESS 308 West Mill 330 Ft. from West Line of

Plainville, Kansas 67663 the NW/4 (Qtr.) SEC 21 TWP 7S RGE 17W.

PLUGGING CONTRACTOR ADDRESS

WELL PLAT



(Office Use Only)
KCC ✓
KGS ✓
SWD/REP
PLG.

TOTAL DEPTH 3490' PBTD 3380'

SPUD DATE 2-11-82 DATE COMPLETED 3-3-83

ELEV: GR 1744' DF 1747' KB 1749'

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

DOCKET NO. OF DISPOSAL OR REPRESSURING WELL BEING USED TO DISPOSE OF WATER FROM THIS LEASE .

Amount of surface pipe set and cemented ~~13 3/8"@128'~~ ~~8 5/8"@1198'~~ DV Tool Used? No.

THIS AFFIDAVIT APPLIES TO: (Circle ONE) - (Oil), Gas, Shut-in Gas, Dry, Disposal, Injection, Temporarily Abandoned, OWWO. Other .

ALL REQUIREMENTS OF THE STATUTES, RULES AND REGULATIONS PROMULGATED TO REGULATE THE OIL AND GAS INDUSTRY HAVE BEEN FULLY COMPLIED WITH.

A F F I D A V I T

Charles G. Comeau, being of lawful age, hereby certifies that:

I am the Affiant, and I am familiar with the contents of the foregoing Affidavit. The statements and allegations contained therein are true and correct.

(Name) Charles G. Comeau

SUBSCRIBED AND SWORN TO BEFORE ME this 18th day of April, 19 83.

SHARON WILLIAMS
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 10-24-84

Sharon Williams
(NOTARY PUBLIC)
Sharon Williams

MY COMMISSION EXPIRES:

RECEIVED
STATE CORPORATION COMMISSION
APR 19 1983
CONSERVATION DIVISION
Wichita, Kansas
4-19-83

** The person who can be reached by phone regarding any questions concerning this information.

SIDE TWO

ACO-1 WELL HISTORY

OPERATOR Liberty Enterprises, Inc. LEASE Bittel #1 SEC. 21 TWP. 7S RGE. 17W

FILL IN WELL LOG AS REQUIRED:

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 and shale	0'	130'		
shale and sands	130'	250'		
sand and shale	250'	730'		
shale and sand	730'	1184'		
anhydrite	1184'	1191'		
anhydrite	1191'	1199'		
anhydrite	1199'	1215'		
shales	1215'	1621'		
shale and sands	1621'	1956'		
shales and limes	1956'	2021'		
shale and lime	2021'	2232'		
shale and lime	2232'	2407'		
shale and lime	2407'	2699'		
shale and lime	2699'	2842'	Topeka	2691 (-942)
lime and shale	2842'	2981'	Heebner	2904 (-1155)
lime and shale	2981'	3060'	Toronto	2927 (-1178)
lime and shale	3060'	3072'	Lansing	2947 (-1198)
limes and shales	3072'	3140'	Base	3181 (-1432)
lime and shales	3140'	3190'	Arbuckle	3324 (-1575)
lime and shale	3190'	3255'		
lime and shale	3255'	3336'		
lime and shale	3336'	3380'		
lime and shale	3380'	3490'		
	3490'	R.T.D.		

DST #1
Interval: 3018-3060, 30-60-30-30,
Recovered 20' HOCM, 200' WOCM
Initial BHP 1090
Final BHP 1040
Initial FP 41-83
Final FP 100-142

DST #2
Interval: 3096-3140, 30-60-30-30
Recovered 80' Slightly watery drilling mud w/few specks of oil.
Initial BHP 916
Final BHP 775
Initial FP 50-66
Final FP 75-91

DST #3
Interval: 3136-3190, 30-60-30-30, Recovered 45' drilling mud.
Initial BHP 950 Initial FP 50-50
Final BHP 734 Final FP 58-58

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
Conductor String	17 1/4"	13 3/8"	42#	128'	common	140	3%cc,2%gel
Surface String	8 5/8"	8 5/8"	23#	1198'	common 60/40 poz	75 275	3%cc,2%gel 3%cc,2%gel
Production	7 7/8"	4 1/2"	10.5#	3416'	A.S.C.	100	

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2"	2930'	

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
1 per 1'		3179 4 per 1'
~~1 per 1'~~		~~3150-51~~ @ 2780-81
1 per 1'		3123-24
~~1 per 1'~~		~~3109~~ 4 per 1'
4 per 1'		3044-46 @ 2720-24
~~4 per 1'~~		~~2948-50~~

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
750 gallon acid	I,J,K,L Zones
750 gallon acid	G Zone
2500 gallons mud acid	2720-24
2500 gallon retarded acid	A Zone

Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
3-3-83	Pumping	38°

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	5 bbls.	MCF	% 55 bbls.	CFPB

Disposition of gas (vented, used on lease or sold): Perforations