

14-9-17W *led*

TYPE

AFFIDAVIT OF COMPLETION FORM

ACO-1 WELL HISTORY

Compt. _____

SIDE ONE

(Rules 82-3-130 and 82-3-107)

DOCKET NO. NP _____

This form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ninety (90) days after the completion of a well, regardless of how the well was completed.

FOR INFORMATION REGARDING THE NUMBER OF COPIES TO BE FILED AND APPLICATIONS REQUIRING COPIES OF ACO-1 FORMS SEE PAGE TWO (2), SIDE TWO (2) OF THIS FORM.

F _____ Letter requesting confidentiality attached.

C Attach ONE COPY of EACH wireline log run (i.e. electrical log, sonic log, gamma ray neutron log etc.)***Check here if NO logs were run _____.

PLEASE FILL IN ALL INFORMATION. IF NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

LICENSE # 8925 EXPIRATION DATE 8-84

OPERATOR Liberty Operations /Axem API NO. 15-163-22,329

ADDRESS 308 West Mill COUNTY Rooks

Plainville, Kansas 67663 FIELD _____

** CONTACT PERSON Charles G. Comeau PROD. FORMATION Simpson
PHONE 913-434-4686 _____ Indicate if new pay.

PURCHASER Farmland Industries, Inc. LEASE Howat "A"

ADDRESS P.O. Box 7305 WELL NO. #1

Kansas City, Missouri 64116 WELL LOCATION NE NE SW

DRILLING Pioneer Drilling Company 2310 Ft. from S Line and

CONTRACTOR 308 West Mill 2310 Ft. from W Line of

ADDRESS Plainville, Kansas 67663 the (Qtr.) SEC 14 TWP 9S RGE 17 (W)

PLUGGING _____ WELL PLAT _____ (Office Use Only)

CONTRACTOR _____

ADDRESS _____

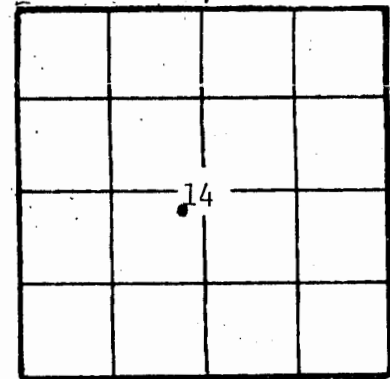
TOTAL DEPTH 3590' PBTD 3541'

SPUD DATE 4-05-84 DATE COMPLETED 5-18-84

ELEV: GR 2103' DF 2106' KB 2108'

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

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



KCC _____
KGS _____
SWD/REP _____
PLG. _____
NGPA _____

Amount of surface pipe set and cemented 8 5/8" @ 217' DV Tool Used? No

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD	
Amount and kind of material used	Depth interval treated
250 gallons 15% mud acid, retreat with 750 gallons 15% I.N.S.	3509-3512
250 gallons 15% mud acid	3492-3494
500 gallons 15% I.N.S., 500 gallons 15% I.N.S., retreat with 2000 gallons 15% C.K.A.	all above zones
Date of first production <u>5-18-84</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pumping</u>
Estimated Production-I.P. <u>15 BOPD</u>	Gravity <u>5 BWPB bbls.</u>
Disposition of gas (vented, used on lease or sold)	Perforations

59647

ACO-1 Well History

XXXX

Side TWO
 OPERATOR Liberty Operations/Axem LEASE NAME Howat "A" SEC 14 TWP 9s RGE 17
 WELL NO # 1

FILL IN WELL INFORMATION 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
Check if no Drill Stem Tests Run.			LOG TOPS	
Check if samples sent Geological Survey.			ANHYDRITE	1355 (+753)
			TOPEKA	2990 (-882)
			HEEBNER	3206 (-1098)
			TORONTO	3226 (-1118)
			LANSING/KC	3248 (-1140)
			BASE/KC	3486 (-1178)
			ARBUCKLE	3544 (-1436)
sand post rock	0'	218'		
shale and sand	218'	885'		
shales, sand, anhy.	885'	1710'		
shale and sand	1710'	1837'		
shale and limes	1837'	2001'		
shales	2001'	2388'		
shales and lime	2388'	2706'		
shale and lime	2706'	2928'		
shale and lime	2928'	3074'		
shale and lime	3074'	3179'		
shale and lime	3179'	3269'		
lime and shale	3269'	3339'		
shale and lime	3339'	3364'		
lime and shale	3364'	3416'		
shale and lime	3416'	3477'		
shales	3477'	3517'		
lime and shale	3517'	3590'		
	3590'	R.T.D.		
DST #1 3314-3364, 30-60-30-30, Recovered 90' watery mud Initial BHP 770#, Final BHP 746#, Initial FP 40-48, Final FP 57-81				
DST #2 3485-3517, 30-60-30-30, Recovered 250' mud cut oil, 60' gas above fluid Initial BHP 1021, Final BHP 964, Initial FP 48-73, Final FP 89-130				
If additional space is needed use Page 2				

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 Casing	12 1/4"	8 5/8"	20#	217'	60-40pos	145	3%cc 2%gel
Production	7 7/8"	4 1/2"	9.5#	3557'	A.S.C.	125	

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4 per 1'		3509-3512
TUBING RECORD			4 per 1'		3492-3494
Size	Setting depth	Pecker set at			
2 3/8"	3330'				