

22-15-110W
PJ

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.

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 # Pending EXPIRATION DATE Pending

OPERATOR Bergman Oil Company API NO. 15-167-21664

ADDRESS 520 Union Center COUNTY Russell

Wichita, Kansas 67202 FIELD Coal Creek

** CONTACT PERSON Harold I. Bergman PROD. FORMATION Cong Ss
PHONE 316-267-5291

PURCHASER Permian Corporation LEASE Nuss

ADDRESS P.O. Box 1183 WELL NO. # 4

Houston, Texas 77001 WELL LOCATION 100' N of SW SW NW

DRILLING Contractor Bergman Drilling, Inc. 430 Ft. from S Line and

ADDRESS 520 Union Center 330 Ft. from W Line of

Wichita, Kansas 67202 the NW (Qtr.) SEC 22 TWP 15 RGE 11W

PLUGGING Contractor NA

ADDRESS State Geological Survey
WICHITA, BRANCH

WELL PLAT

(Office Use Only)

KCC
KGS
SWD/REP
PLG.

TOTAL DEPTH 3214 PBTD 3199

SPUD DATE 3-18-81 DATE COMPLETED 6-26-81

ELEV: GR 1694 DF 1697 KB 1699

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 256 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

Harold I. Bergman, 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.

[Signature]
(Name)

SUBSCRIBED AND SWORN TO BEFORE ME this 16 th day of July



SIDE TWO

ACO-1 WELL HISTORY

OPERATOR Bergman Oil Company LEASE Nuss # 4 SEC. 22 TWP. 15 RGE. 11W

FILL IN WELL LOG AS REQUIRED:

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
			NAME	DEPTH
<p>DRILLERS LOG PREVIOUSLY SUBMITTED</p> <p>DST # 1 2857-2946 (LKC) 30-15-15-15 Rec. 15' M BHP 108-91 FP 65-65/65-65</p> <p>DST # 2 3185-3214 (Cong Sd.) 60-30-60-45 Rec. 454' Muddy Oil BHP 861-871 FP 119-131/183-194</p>			Heebner	2759-10
			B Lansing	2851-1152
			Lansing	2865-1166
			Arbuckle	Not reached

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used		Depth interval treated
Versa Frac 50 sx 20/40 sand		3190-94
Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
6-26-81	Pump	
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas
	2 1/2 bbls.	MCF 67 % bbls.
Disposition of gas (vented, used on lease or sold)		CFPE
		Perforations
		3190-94

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	12 1/4	8 5/8		256	60/40	165	3% CaCl 2% gel
Production	7 7/7	4 1/2	9.5	3213		125	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
					3201-3204
TUBING RECORD			2/ft		3190-94
Size	Setting depth	Packer set at			

22-15-11W

BERGMAN DRILLING, INC.

State Geological Survey
WICHITA BRANCH

DRILLERS LOG

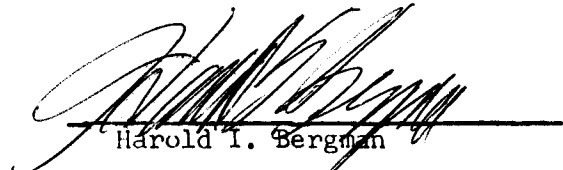
Re: Nuss # 4
NW/4 330' from WL
430'N of SL
Section 22-15S-11W
Russell County, Kansas

OPERATOR: Bergman Oil Company
CONTRACTOR: Bergman Drilling, Inc.
COMMENCED: March 18, 1981
COMPLETED: March 25, 1981
TOTAL DEPTH: 3214' Set 255.79' 8 5/8" w/165 sacks

0	145	Sand - Shale
145	260	Shale
245	260	Cement plug
260	375	Shells - Shale
375	568	Shale & Red Bed
568	592	Anhydrite
592	1400	Shale & Shells
1400	1690	Shale - Broken lime
1690	2008	Lime & Shale
2008	2340	Lime 7 Shale
2340	2570	Shale - Lime
2570	2654	Shale & Lime
2654	2780	Shale & Lime
2780	2925	Lime - Shale
2925	2946	Lime & Shale
2946	2985	Lime & Shale
2985	3060	Lime
3060	3120	Shale & Lime
3120	3206	Lime & Shale
3206	3214	Lime & Shale
	3214	Total Depth

Set 4 1/2" @ 3213 w/125 sacks

We certify that the above and foregoing to be true and correct copy of the Drillers log on the # 4 Nuss, located in Russell County, Kansas as revealed by the records of Bergman Drilling, Inc.


Harold I. Bergman