

Computer Inventoried

CIMARRON DRILLERS, INC.

1-17-14W

LEWIS O. CHUBB
Phone 793-6749

Geologist - Petroleum - Geophysicist
P. O. Box 854
GREAT BEND, KANSAS 67530

October 21, 1985

Pan Western Energy Corp.
324 S. Main Suite 711
Tulsa, Oklahoma 74103

Re: Pan Western Energy
Everest Trust DJR 1-1
SE NW NE
Sec. 1-17s-14w
Barton County Kansas

Gentlemen:

The following is the geological report for the above captioned well:

API NUMBER:	15-009-24, 044
CONTRACTOR:	Mohawk Drilling Rig #7
DATE COMMENCED:	October 2, 1985
DATE COMPLETED:	October 9, 1985
ROTARY TOTAL DEPTH:	3530'
SURFACE CASING:	Set 8 5/8 @ 265'
PRODUCTION CASING:	Set by Brougher Oil Co.?
ELEVATIONS:	2001 KB; 1991 GL
DEPTH MEASURED FROM:	2001 KB
DRILLING TIME PLOTTED:	2800' to 3530' RTD
SAMPLES EXAMINED:	2900' to 3530' RTD
DST: (Halliburton)	1 - Arbuckle
LOG: (Schlumberger)	EPT, DLL, MSFL, GR, CDL, CNS
COMPLETION:	Brougher Oil Company set casing to further test the Arbuckle

Pan Western Energy, Everest Trust DJR 1-1

<u>FORMATION DATA</u>		
<u>FORMATION</u>	<u>DEPTH (Log)</u>	<u>SUBSEA</u>
Anhydrite	958'	1043'
Base	986'	1015'
Topeka	2924'	-923'
Heebner	3158'	-1157'
Toronto	3174'	-1173'
Douglas	3188'	-1187'
Brown Lime	3233'	-1232'
Lansing	3243'	-1242'
Base Kansas City	3448'	-1447'
Arbuckle (RW)	3478'	-1477'
Arbuckle (Solid)	3483'	-1482'
LTD	3533'	-1532'

STRUCTURAL POSITION IN RELATION TO NEARBY TESTS

	<u>Pan Western Everest Trust 1-1 SE NW NE 1</u>	<u>Stanolind Putman No. 1 SE NE NE 1</u>	<u>PVC Carter No. 1 S/2 SW SW 31</u>
Anhydrite	1043'	1046'	
Topeka	-923'	-914'	-919'
Heebner	-1157'		-1152'
Brown Lime	-1232'	-1229'	-1229'
Lansing	-1242'	-1239'	-1437
Base Kansas City	-1447'		-1427?
Arbuckle	-1477'	-1485'	-1451'
Total Depth	-1532'	-1505'	-1462'

Pan Western Energy, Everest Trust DJR 1-1

ZONES OF INTEREST

<u>FORMATION</u>	<u>DEPTH</u>	<u>DESCRIPTION</u>
Shawnee PlattsMouth	3122'-3126'	Limestone, tan, fossiliferous, dense chalky trace fossiliferous porosity. No show - Log: 7% porosity, high water.
Lansing	3246'-3249'	Limestone, white, crean oolitic and dense trace oolitic porosity, slight show free oil, good scattered saturation, judged very thin. Log: 10% porosity; 56% salt water.
	3268'-3272'	Limestone, tan, fine medium crystalline matrix, oolitic-oolicastic, good porosity. No show. Log: 12% porosity; 35% salt water.
	3324'-3344'	Limestone, tan, cream, fine medium crystalline matrix oolicastic, slightly oolitic. No show. Log: 18% porosity; 70-80% salt water.
Arbuckle	3476'-3480'	Dolomite, gray, fine crystalline, cherty, crystalline porosity, partly dense, slight show free oil, dead oil. No odor. Log: 9% porosity; 50-100% salt water.
	3482'-3490'	Dolomite, tan, brown, fine-medium crystalline, good crystalline porosity, partly dense, show free oil, odor. TEST. Log: 8% porosity; 50% salt water.
DST No. 1	3452'-3490'	Fair blow. Rec. 248' HOCM IHP 1800# IFP 36-91# (30) ICIP 1016# (30) FFP 91-127# (30) FCIP 998# (30) FHP 1782# Temp 100° Clorides 47.500 PPM
	3490'-3514	Dolomite, tan, brown, fine medium crystalline, partly dense. No free oil, faint odor, no stain.

Pan Western Energy, Everest Trust DJR 1-1

ZONES OF INTEREST

<u>FORMATION</u>	<u>DEPTH</u>	<u>DESCRIPTION</u>
Dst No. 1	3514'-3520'	Chert, white, dense boney.
	3520'-3530'	Dolomite, tan, brown, crystalline, good crystalline and vugluar porosity. No show.
DST No. 2	3441'-3530'	Strong blow. Rec: 2540' salt water IHP 1824# IFP 260-614# (10) ICIP 1139# (30) FFP 614-1017# (60) FLIP 1139# (60) FHP 1824# Temp. 99°

SUMMARY

The subject well was under geological supervision from 3000' to 3530' RTD.

Structurally the well ran slightly lower in the Lansing and 25' low on the Arbuckle to nearby production.

The only shows of oil noted was the top of the Lansing 3245-3248' and the top of the Arbuckle 3483-3487'.

The Lansing show consisted fo poorly developed oolitic porosity with a slight show free oil, residual oil and saturation in the dry samples. This zone was judged to be thin with poor porosity and residual oil.

The Arbuckle was considered to be weathered or reworked from 3477-3483', crystalline porosity, slight show free oil, no odor. From 3483-3487' the Arbuckle was fine to medium crystalline dolomite with a good show of free oil and saturation. DST No. 1 covered this zone. No other shows were noted.


Schlumberger logged the well and calculated 8% porosity and 50% water from a zone 3 feet thick. The chlorides ran 47500 ppm. and the drilling mud was 61000 ppm. Therefore some formation water was recovered in the test.

RECOMMENDATION

It is recommended that the well be plugged and abandoned on economic basis even though some oil was recovered on test. The calculations of recoverable oil on an 80% lease was 3200 barrels. I believe that the development, operations and loss of equipment would be considered greater and therefore be a financial loss.

Respectfully submitted,

Cimarron Drillers, Inc.


L.O. Chubb, geologist