



### DRILL STEM TESTS

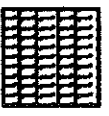
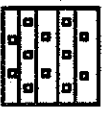

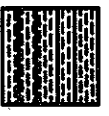
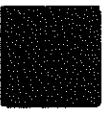
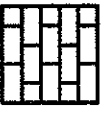
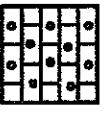
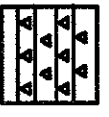

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHM-FHM	RECOVERY

REMARKS AND RECOMMENDATIONS *Due to structural position, DST recovery & log evaluation, it was decided to set 5 1/2" production casing for completion in the Reagan, LKC, & Plattsmouth.*

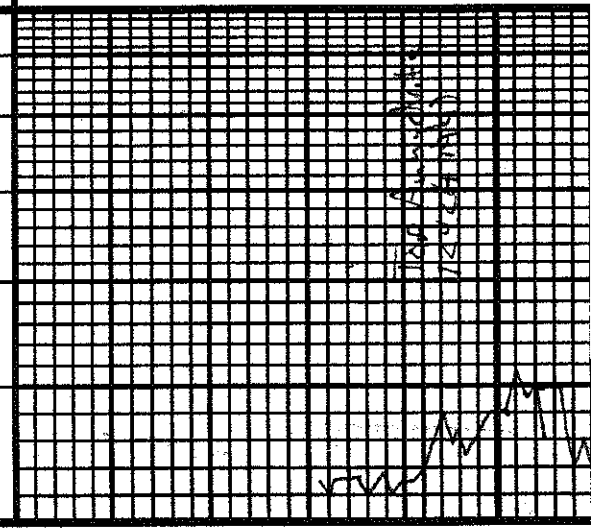
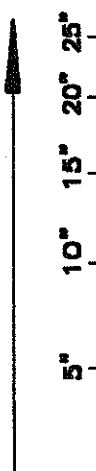
*Perforate Plattsmouth, LKC "C", "F", "I", "J", "K".*

*Wanderer*

### LEGEND

-  Anhydrite
-  Salt
-  Sandstone
-  Shale
-  Carb sh
-  Limestone
-  Ool.Lime
-  Chert
-  Dolomite

DRILLING TIME IN MINUTES  
PER FOOT  
Rate of Penetration Decreases



LITHOLOGY



DEPTH

1250

SAMPLE DESCRIPTIONS

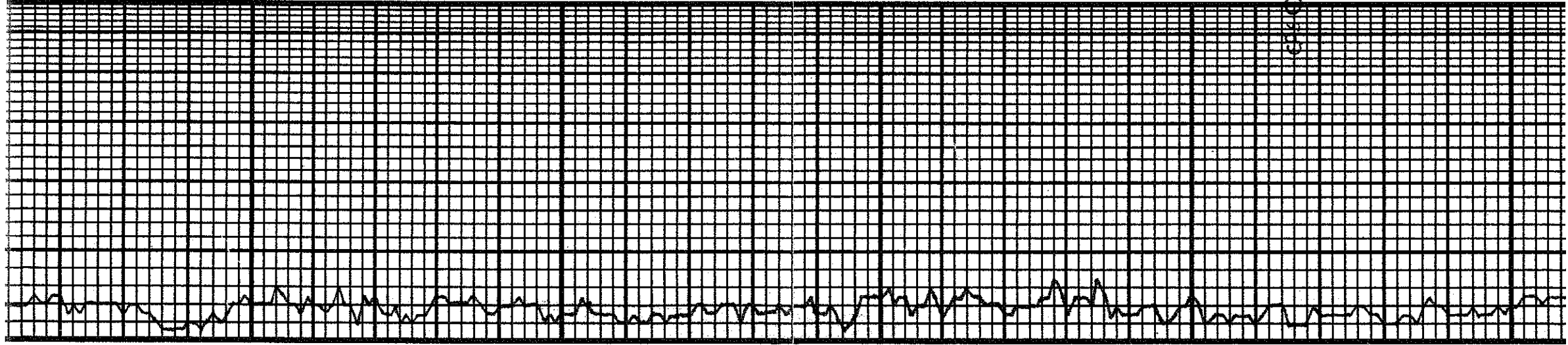

OIL SHOWS

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REMARKS

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50

3100

50

3200

50

DST # 1

LS: tom, smol ool, fr oocg, sltly tilt, fr cement sub xln ex. All NS, No od.

Sh: gy-dark gy  
Sh: dk gy

LS: tom-brn med xln, tung v mtld w/ depth f mcmg Fass, scat Fass chnta. Bx subxln in fut. All NS.

LS: tom, tung fr-med xln, sudy in prt, v chiky. Still fr cement Fass, All NS.

Sh: Black Carb

Sh: gy

LS: ant-tom, fr xln, prd, v chnt.

Sh: gy

LS: Whit v fr-mis xln chiky, tung v chms No appx Fass

Sh: gy

LS: AIA, scat Fass.

Sh: gy

LS: AIA

Sh: Black Carb

LS: tom-brn, fr-med xln, ddk, scat Fass. Fr-gd intxln, chiky imprt. scat gd sol, fr SFO, fr od.

LS: Much AIA, less chalk. Fr-gd intxln w/ coal vdg. gd, bat w/ fr-gd SFO, Fr-gd od.

Sh: gy

LS: Whit, fr-med xln, sub xln, fr intxln, rare etc.

LS: Whit, mostly subxln-chiky. scat, tom-brn ex, v Fass. Fr vdg w/ fr stn, spottd SFO, fr od. Fass chnt

LS: AIA, mostly subxln, 2-3 prs fr delon ex w/ gd intxln, gd sol, fr SFO, fr od. Fass chnt

LS: tung tom, v Fass, mtld in prt. prd, v chms, All NS

Vis: 54 Wt: 8.9

Ost #1

3177-3216

30-45-30-45

I.F.-B08 2 1/2 min

I.S.-B08 10 min

F.F.-B08 2 min. GST 16min TSTW

F.S.-B08 8 1/2 min

I.F.P.-39-154

F.F.P.-176-246

S.I.P.-1074-1065

HP: 1570-1504

Rec:

62' GOM 20%g, 20%o

420' 50 40%o

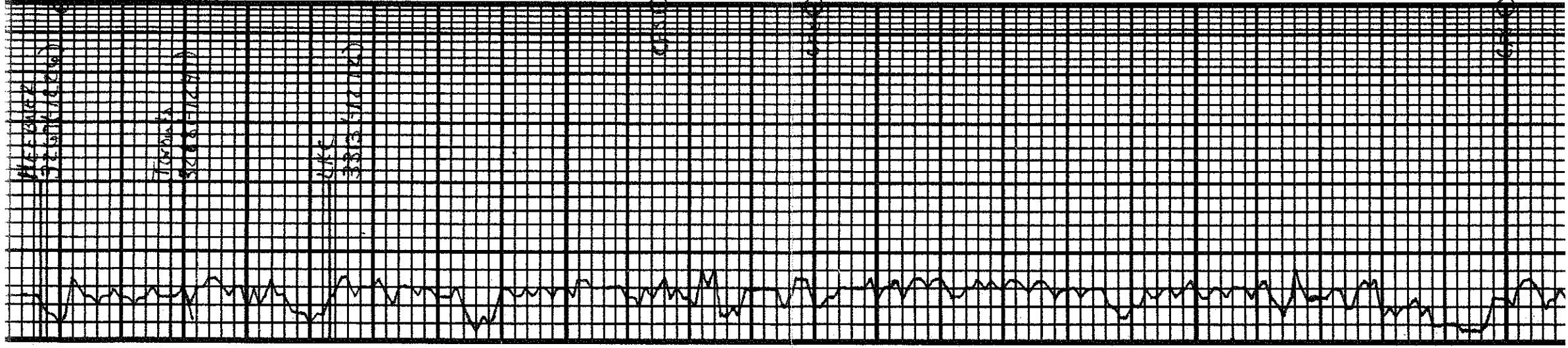
124' M60 50%g, 40%o

62' GUCO 40%g, 55%o

62' GOWA 10%o, 15%w

G=31 Chlor: 36K

BHT: 110



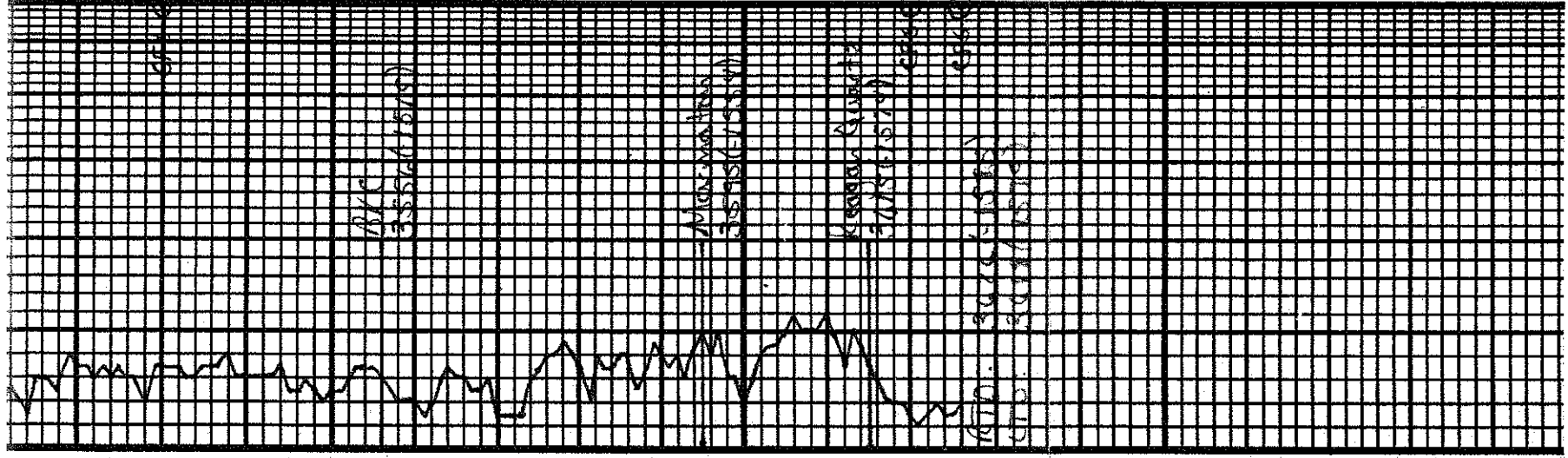
45'	Sh: Black Cors	LS: cont, fu xln, few sml foss. pr intxng, fite. 11 ben sh, n.sfo, No Od. Re subxln in pot. Seat erg chto.
3300	Sh: ben-red	LS: tom-ben, mid xln, foss, slhty dolon. pr intxng, fite. Fr stn ul sptd sfo, Fu + Od. Seat fr vngs in 40 smp.
50	Sh: grey	LS: tom, ool. sd. v. gd ool. sd. v. gd seat ul gd grey sfo tom bakam. gd Od.
3400	Sh: grey	LS: tom-ben, mid xln, v. dolon. pr fr intxng, Fr sat stn, Fr sfo, Fr Od.
50	Sh: grey	LS: tom-ben v. Foss. pr - Fr int foss, seat gd vngs. gd seat ul Fr sfo, Fr. gd Od. Re fite.
3500	Sh: grey	LS: tom-ben, ool. Fr int ool. s, Few vngs. Fr sat ul slt sfo, fr. fr Od.
	Sh: grey	LS: wht, fu v. h xln, v. dolon ul No vis sl.
	Sh: grey	LS: tom-ben, mid xln, pr fr int xln, sml vngs. Fr sat, rose sfo, Fu + Od. Re frng snt xln.
	Sh: grey	LS: tom-ult. fu xln, snt. fr intxng + pr, fr-gd sat ul sptd sfo, Fr Od.
	Sh: grey	LS: wht. tom, int ool. sd - v. gd ool. sd, seat fr-gd sat ul Fr sfo, goss in pri. Fr am + bakam. sd. gd Od.

DST # 2

DST # 3

DST # 4

45'	Vis: 54 wt: 1.8	DST # 2	3320-3365
			45-45-45-45
			I.F.-808 12 min / 6" SID
			F.F.-808 1 1/2 min / 808 38 min SID
			I.F.A. 36-162
			F.F.P.: 191-268
			S.I.P.: 690-665
			H.P.: 1739-1590
		Rec:	
			2592' GIP
			72' GMD 20%, 40%
			496' GO 40% 0
			124' GOM 30%, 30% 0
			G=31 BHT: 111'
		DST # 3	3365-3390
			30-45-30-45
			I.F.-808 2 min
			I.S.-808 80 min
			F.F.-808 2 min
			F.I.-808 24 min
			I.F.P.: 81-110
			F.F.P.: 114-176
			S.I.P.: 590-558
			H.A.: 1577-1595
		Rec:	
			1730' GIP
			68' GO
			62' GMD 10%, 60%
			248' OMD 20%, 70%
			G=33 Chlor=175K
			BHT: 111'
		DST # 4	3456-3500
			15-30-30-45
			I.F.-808 1 min
			I.S.-808 2 1/2 min. GTS 25 min
			F.F.-808 45 sec. GTS TSTMA
			F.I.-808 1 1/2 min
			I.F.P.: 98-293
			F.F.P.: 317-499
			S.I.P.: 879-727
			H.P.: 1789-1658
		Rec:	
			GTS-TSTMA
			1364' GO - Reversed out
			62' GO 35% 0
			62' GMD 40%, 20%
			G=34 BHT: 114'



2-3 pcs w/ Fr. int. xlb, fringed seat, spotted SFD, front Od.	LS: Lght, Fr. mid xlb, fring dms w/ No vis, NR	SW: grg	LS: tan, mtld, md xlb.	SW: 11 g	LS: tan mtld, md xlb, ppr, v dms. All NS. Seat org chtd.	SW: 11 g	LS: tan, fr xlb, pr-fr pp, lite, fr sat sty, spotted SFD, fr Od. Seat org chtd, fr ant sub xlb rx	SW: 11 g	LS: tan, fr xlb, blk, y lg. clt 4 colorless, some tan, fr xlb. 4 in top. Tan-bag fr. imp. sty xlb, also w/ depth. Fr int. xlb, fr SFD, Od. Fr. oil on exp. Fr. ing. Fr. hwr.
	Ad.								

9 37 # 5

Vis: 49	Wt: 8.9	DST # 5	
		3606-3626	
		15-20-15-30	
		I.F. 808 35 SRE / 8" SIB	
		F.F. 808 25 SRE / 7" SIB	
		I.F.F. 342-700	
		F.F.F. 735-922	
		S.I.F. 1183-1183	
		H.P. 1851-1731	
		Rec:	
		124' GIP	
		2418' G0 50% 0	
		62' SUCMGO 20%, 65%	
		52%	
		62' SUCMGO 15%, 40% 0,	
		92%	
		G-34 BHT: 119'	

M. J. [Signature]