

Max R. Lovely

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GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Trans Pacific Oil Corp.**
 LEASE **Evans 'D' 1-19**
 FIELD **Wildcat**
 LOCATION **1320' FNL, 1650' FWL**
 SEC **19** TWP **14** RGE **27W**
 COUNTY **Ness** STATE **KS**

ELEVATIONS
 KB **2491**
 DF _____
 GL **2482**
 Measurements Are All
 From **KB**

CONTRACTOR **Duke #4**
 SPUD **10-12-2012** COMP **10-24-2012**
 RTD **4350** TO **4349**
 MUD WP **3286** TYPE MUD **Chem**

CASING
 SURFACE **8 5/8" @ 228'**
 PRODUCTION _____
 ELECTRICAL SURVEYS
 DUAL IND
 COMP N/D

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION		
				A	B	C
Anhydrite	1950	1950	541	565	542	
Base Anhydrite	1988	1988	503	528	508	
Hoebner	3662	3662	-1171	-1158	-1183	
Lansing	3700	3700	-1200	-1194	-1221	
Stark SH	3943	3942	-1451	-1440	-1463	
Pleasanton	4009	4011	-1520		-1530	
Marmaton	4031	4028	-1537	-1536	-1549	
Labette SH	4197	4190	-1699	-1693	-1712	
Cherokee SH	4229	4224	-1733	-1724	-1742	
Miss Dolo	4296	4288	-1795	-1794	-1809	

REFERENCE WELLS FOR STRUCTURE

- A **Rino Explor. 1-18 Evans SE NW SW 18-14-27W**
- S **Trans Pac Briggs 'C' 1-18 1650' FSL, 1320' FEL 18-14-27W**
- C _____

REMARKS **NEGATIVE DST AND STRUCTURAL POSITION CAUSE THE EVANS 'D' 1-19 TO BE DEEMED NON-PRODUCTIVE.**

RESPECTFULLY SUBMITTED

M R Lovely

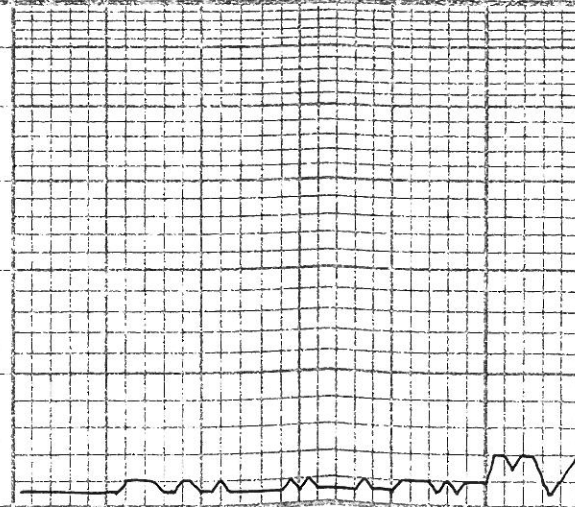
LEGEND

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

DRILLING TIME IN MINUTES
 PER FOOT

Rate of Penetration Decreases

5" 10" 15" 20" 25"



LITHOLOGY

DEPTH

ANHYDRITE
1950
 1950 + 541

OIL SHOWS

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE
1950
1950 + 541

ANHYDRITE
1988 + 503

2000

3500

3600

LS, CRM, TAN, EXTLM, M → V HRD,
P XTLM ♂, NS

LS, WHT, V EXTLM, DNS, V FOSS,
NO VIS ♂, NS

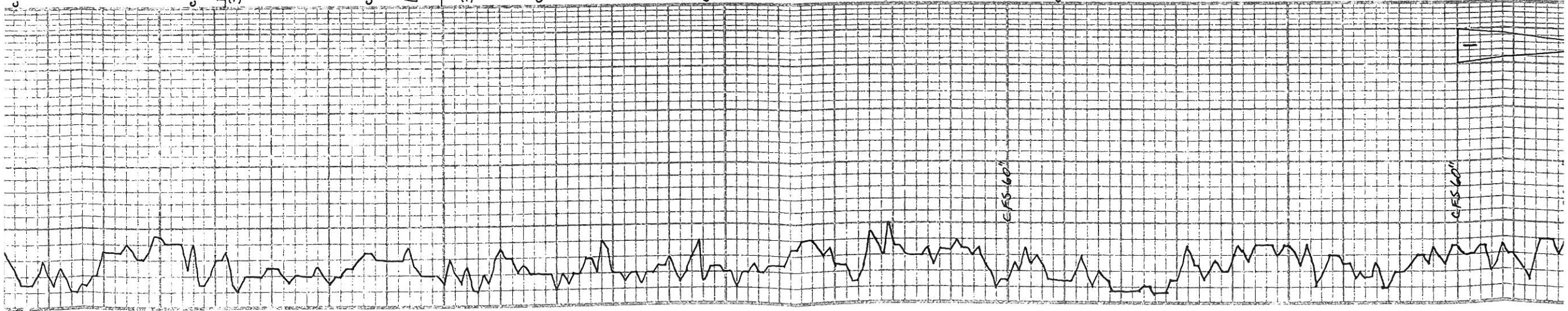
LS, TAN, CRM, EXTLM, CRUMBLY,
M HRD, MIC RO FOSS, NO APP ♂,
NS

CHT, TAN, V FOSS, TITE, NS

△
△
△

STRAP 3470.1
BOARD 3468.1
long 1.7

SCOTT DATES DEAN
ON LOC 2



HEEBNER
3662-1171

LANSING
3700
3700-1209

3800

1000

LS, TAN, CRM, EXTLN, CRUMBLY, M HRD, MICRO FOSS, NO APP ^Ø NS	LS, TAN, F → M XTLN, M HRD, SL ALGAL, E → P ^Ø , NS	SH, BLK SH, GRN, GRY	LS, LT GRY, TAN, EXTLN, SOFT, SCT FOSS, F XTLN ^Ø , FRACID, NS	CHT, WHT, V FOSS, TITE, NS	SH, GRY, GRN	LS, WHT, CRM, F XTLN, V FOSS, SOFT → M HRD, P ^Ø , NS	SH, BLK, CARB SH, GRN / GRY	LS, BRN, GRY, EXTLN, HRD, FOSS, P → TITE ^Ø , NS	LS, CRM, TAN, F XTLN, SOFT, BRILL, F CMT, V FOSS + SL ^{ØØ} L, G FOSS ^Ø , NS	LS, TAN, BUFF, EXTLN, CMT, V ^{ØØ} L, M ^{ØØ} LS, V G ^{ØØ} L ^Ø , NS	SH, DK GRY	LS, TAN, VF XTLN, V HRD, V DMS, SCT FOSS, TITE, NS	LS, TAN, V EXTLN, CMT, HRD, V W CMT'D ^{ØØ} LS, ABUN ^{ØØ} LS, TITE, NS	LS, A.A. IMCR ^{ØØ} ^Ø , NS	LS, WHT, LT GRAY, VF XTLN, V DMS, V HRD, TITE, NS	LS, A.A.	LS, WHT / GRY, F XTLN, BRILL, SL CHLKY, F INT XTLN ^Ø , NS	SH, DK GRY	LS, TAN, GRY, F → M XTLN, P → F INT XTLN ^Ø , FSFO, G ODOR
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MUD CHECK
VIS 44 WT 8
CHLOR 900 LC
FILT 7.6

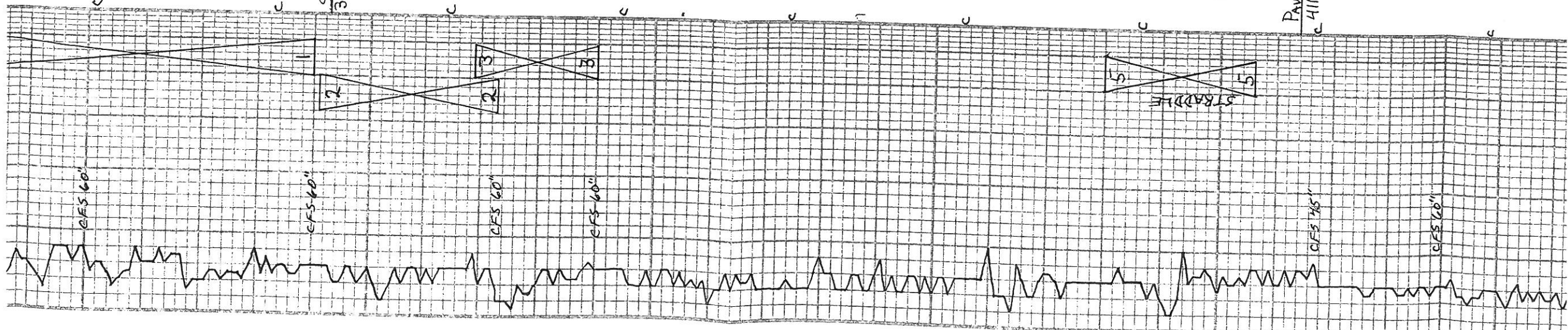
DST #1 3880-3
30.30.30.
IF: SURFBLO, DIED I
FF: DEAD FS
REC: 2' DM
TOOL: M W/O SP
FP: 6-7, 7-9
SR: 126-99
HP: 1838-1838

STRAP: 3963.72
BOARD: 3964.72

SHORT 1.0C

DST #2 3941-
30.30.
IF: SURFBLO, DIED I
FF: DEAD FS
REC: 10' SOSM, 1/0
TOOL: 3/0, 9/11
FP: 7-11, 11-14
SR: 1019-973
HP: 1877-1874

G ODOR
FSFO



REC: 10505M, 1%
 TOOL: 3/0, 97,
 FP: 7-11, 11-14
 SIP: 1019-973
 HP: 1877-1874

MUD CHECK
 VIS 54
 CHLOR 1,200
 FILT 7.6
 MAX LOVELY ON

7:AM 10-22-12
 CIRC @ 3990
 MUD CHECK
 VIS 48 WT 9.
 CHLOR 2,600 LCH
 FILT 7.8
 DST #3 3969-3
 30.30:
 IF: 1/2" dried 2" IS
 FF: dead FS
 REC: 5'505M 1%O,
 TOOL: 1%OIL, 99;
 FP: 6-8, 7-8
 SIP: 694-538
 HP: 1890-1889

(STRADDL
 DST #5 4080-4
 30.30.30
 IF: BUILT TO 3/4", I
 ISI: NR
 FF: DEAD
 FSI: NR
 REC: 20'm
 TOOL 100% M W/
 FP: 10-12, 13-13
 SIP: 797-660
 HP: 1965-1965

SH, DK GRN
 60 MIN / LS-TAN, GRN, F → M XTLN,
 P → F INT XTLN, F, SFO, G, ODOR
 LS, TAN, F → M XTLN, SL HRD, SCT
 OOC, SL DOL, FEW FOSS, NS
 LS, WHIT, CRM, F XTLN, V HRD, VW OMTD
 FOSS, ABUN FOSS, VP INT XTLN, NS
 LS, A.A., SCT BRN FOSS CHT
 SH, GRN
 30 MIN LS, TAN, GRN, F → CRS XTLN
 FOSS, F → G, IMCR, FOSS + INT XTLN
 F, F, F, FR ODOR
 SH, DK GRY, BLK
 LS, WHI/TAN, F, XTLN, M HRD, G, ODOR
 G SEMI EVEN FLUR STMG, F FLUR
 FO ON BRK, SCT P 5 HD GAS BBLS,
 V FEW PLS SAT STMG, PLS w/ MICRO
 DOLS w/ G DIL SAT, PLS, CHLKY w/
 FLUR DD OIL, LIGHTER FLUR ODOR
 SH, BLK, LT GRN
 LS, TAN, M → CRS XTLN, BRTL, FOSS
 FRAGS, SL FLUR STMG, MICRO
 FLUR D SPTS ON BRK, P XTLN
 LS, TAN, CRM, F → M XTLN, SOFT, G, EVEN
 FLUR STMG, G FOY ODOR ON BRK,
 F → G XTLN, TAN ZONE, NO VLS
 ENERGY
 SH, DK GRY, BLE
 SH, GRY, SANDY
 SLT STN, GRY
 A.A.
 LS, BRN, VF XTLN, V HRD, DMS,
 V FEW FOSS, TITE, NS
 LS, LT + DK GRY, F XTLN, SOFT, DMS,
 XTLN, V FEW FOSS, NO APP, NS
 SH, GRY, PLS SLTY
 LS, BRN, VF XTLN, DMS, HRD, SL
 CRYST, TITE, NS
 LS, GRY/WHY, VF XTLN, V DMS,
 V HRD TITE, NS
 LS, CRM/TAN, F XTLN, LG LS FRAGS
 REWORKED, WEATHERED, FILMY OIL,
 V SLTR GAS w/ OIL, V HRD,
 NO VLS ENERGY
 LS, TAN, VF XTLN, V DMS, V HRD,
 TITE, NS
 SH, GRY
 LS, CRM, BUFE, VF XTLN, HRD,
 DMS, NO P, NS
 CHLF, CRM
 A.A.
 LS, CRM, TAN, BRN, V XTLN, V DMS,
 V HRD, TITE, NS
 LS, A.A. SCT RE XTLN FRACS
 LS, BRN, F → M → CRS XTLN, CONGL.

3900

STARK
 3943-1452

4000

4100

PAWNEE
 4114-1623

4114 -1623

CFS 60"

LS, CRM, BUFE, V T ALL W, BND,
DMS, NO PINS

CHLF, CRM

A.A.

LS, CRM, TAN, BRN, V F XTLN, V DMS,
V HRD, TITE, NS

LS, A.A. SCT RE XTL'D FRACS

LS, BRN, F.M. → CRS XTLN, CONGL,
FOSS + LS FRACS W/N, F INT Ø, NS

LS, A.A., LT TAN, WHY

SH, GRY

LABETTESH

4200
H197 -1706

CFS 60"

SH, BLK

LS, BRN, TAN, V F XTLN, CMT'D FOSS +
FRACS, POOR PP INT XTLN Ø,
FLUDR, O SPT'D, FAIR OIL ON BRK,
FAIR SHD GAS BBLS ON BRK

NO ODOR
GAS BBLS

LS, CRM, V F XTLN, CHKY TXT,
V FRACD W/ D.D. FILL FRACS,
V SL TR FB ON BRK, SCT GAS
BBLS, NO ENERGY

NO ODOR
GAS BBLS

CHEEROKEESH
4229 -1738

SH, BLK

LS, WHI, CRM, F XTLN, V FOSS,
M HRD, P → F FOSS Ø, NS

LS, CRM, TAN, LT GRY, V F XTLN, HRD,
DMS, V FEW FOSS, TITE, NS

LS, TAN, V F XTLN, VW CMT'D FOSS,
V HRD, V DMS, NO Ø, NS

LS, BRN, V F XTLN, V DMS, V HRD,
V W CMT'D FOSS, NO Ø, NS

LS, CRM, TAN, V F XTLN, SL BRITL,
HRD, V SL FOSS, NO Ø, NS

SH, GRY, GRN

CHT, WHI

LS, CRM, F XTLN, SL CHKY, S → M HRD,
FAIR PP XTLN Ø, SCT WHI/TAN Δ

SS, CLB GRMS, P SORT, W RMB, SOFT
SK BRN CMT, VG Ø, NS

DOLO, GRY, V GRN LR, SL LMY, HRD
DOLO, CRM-BUFF, V F XTLN, SL HRD
G PP + V F ML VUG, MOSTLY VUG
O FILL, P/SOME BRN FO ON BRK

DOLO, GRY, F XTLN, SUCCR, F → G Ø, NS

← 2 pos

DOLO, WHI, F XTLN, CMT'D, CRS FRACS
W/N, F → G Ø, NS

LS, WHI, F XTLN, LG FOSS + LS FRACS
W/N, REWLS, G Ø, NS, SL ATY

DOLO, WHI/GRY, M → CRS XTLN,
HRD, F → G XTLN Ø, NS

DOLO, LT GRNISH/GRY, V F XTLN,
SUCCR W/F XTLN W/N, HRD,
P → F XTLN Ø, NS

DEV Y2

DST #4 4174-42
30.30.30.
IF: SURF BLO, MED 12" 1
FF: DEAD FSI:
REC: 1' DM W/O SPR
TOOL: 100/M W/O S
FP: 7-8, 7-8
SIP: 13-12
HP: 2025-2024

7:AM ID-23-12
CFS @ 4222'
MUD CHECK
VIS SS WT 9.3
CHDR 3,100 LCM
FILT 8.4

7:AM 10-24-12
DRLG @ 4332'

MUD CHECK
VIS SS WT 9.3
CHDR 3,400 LCM
FILT 9.0