

HALLIDAY
SPECTRAL DENSITY
DUAL SPACED NEUTRON

COMPANY: ...
WELL: ...
FIELD: ...
COUNTY: ...
STATE: ...
DATE: ...
TIME: ...
LOG NO.: ...
LOG TYPE: ...
LOG BY: ...
LOG CHECKED BY: ...
LOG APPROVED BY: ...

Reeves
COMPENSATED NEUTRON
PHOTO DENSITY
LOG

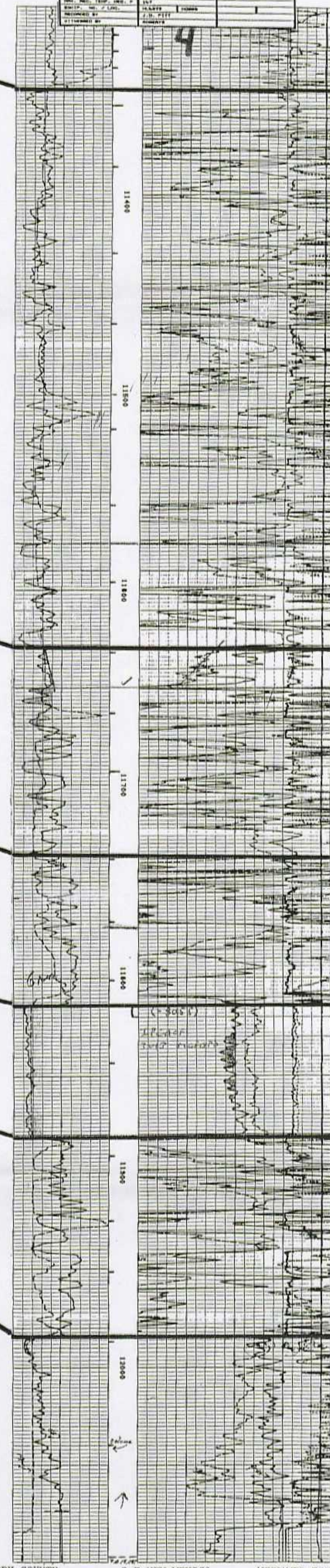
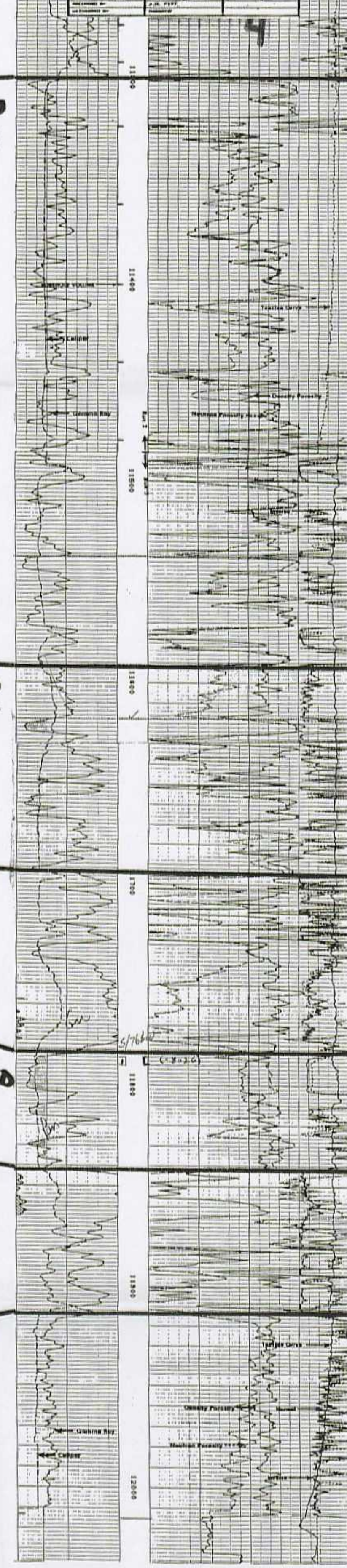
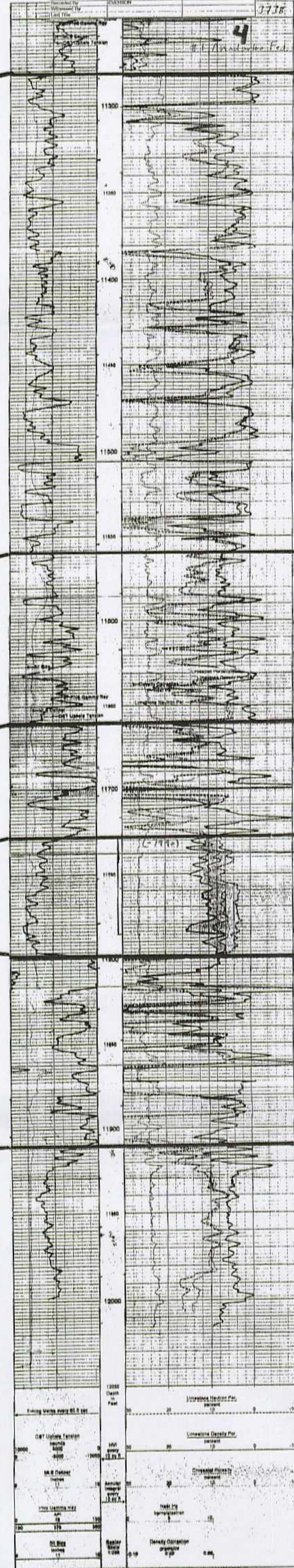
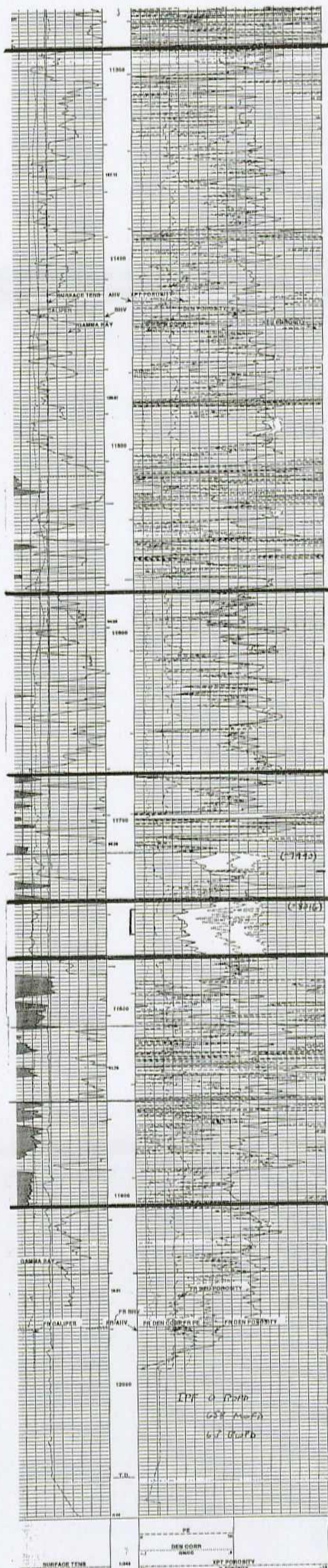
COMPANY: ...
WELL: ...
FIELD: ...
COUNTY: ...
STATE: ...
DATE: ...
TIME: ...
LOG NO.: ...
LOG TYPE: ...
LOG BY: ...
LOG CHECKED BY: ...
LOG APPROVED BY: ...

Densilog
COMPENSATED NEUTRON
GRAVITY RAY
HINTLOG

COMPANY: ...
WELL: ...
FIELD: ...
COUNTY: ...
STATE: ...
DATE: ...
TIME: ...
LOG NO.: ...
LOG TYPE: ...
LOG BY: ...
LOG CHECKED BY: ...
LOG APPROVED BY: ...

Densilog
COMPENSATED NEUTRON
GRAVITY RAY
HINTLOG

COMPANY: ...
WELL: ...
FIELD: ...
COUNTY: ...
STATE: ...
DATE: ...
TIME: ...
LOG NO.: ...
LOG TYPE: ...
LOG BY: ...
LOG CHECKED BY: ...
LOG APPROVED BY: ...



TOP MORROW
CARBONATE

TOP MORROW
CLASTICS

MAIN
CHANNEL SAND

MISS.

11/04/04
IPF 0 BOPD
658 MCFD
63 BOPD

OIL CONSERVATION DIVISION
CASE NUMBER
EXHIBIT NUMBER

Pecos Production Company
400 W. HALLIDAY, SUITE 1070 MIDLAND, TEXAS 79701
PHONE: 432.628.8880 FAX: 432.682.2197

NORTH SHUGART FIELD
STRUCTURAL CROSS SECTION
MORROW CLASTICS
SHOWING MORROW
PENETRATIONS IN SECTION 4
T185-R31E
EDDY CO., NEW MEXICO

STATE: NEW MEXICO
COUNTY: EDDY
WELL: ...
LOG NO.: ...
LOG TYPE: ...
LOG BY: ...
LOG CHECKED BY: ...
LOG APPROVED BY: ...

CUM. PROD. 282 MMCFG
AVG. 55 MCFD IN 10/04

EDDY COUNTY S E NEW MEXICO *SHUGART NORTH FLD
Well: YATES HARVEY E 1 Londo "A" Federal
Loc'n: 7 mi SE/Looco Hills; Sec 4, T185, R31E Sur; 1980 FNL, 1980 FNL
of Sec

Spud: 1-4-85; Comp: 4-9-86; Elev: 3733 GR; TD: 12,030 BMT; PB: 8525
Casing: 13 3/8-754-675 ax; 8 5/8-5000-2400 ax; 5 1/2-12,030-330 ax; 2 3/8-7990
Prod Zone: (Bone Spring) Prod thru Perfs 8080-8356
IPF: 211 30 + 223 BOPD; Gty: 35.5; FFP: 100
Comp Info: No Cores, 1 DST; RAN: CGL, CML, DLL, GR; DST: 11
(Bone Spring) 7065-7216, op 15 min, SI 30 min, op 1 hr 30 min, SI 3 hr; Rec: 210 FT SOCH; 8 CFT GAS, 150 CC OIL, 2150 CC WTR, ITP 13, ITP 26, ITP 79, FFP 105, ISIP 2590, FFP 2544, IP 2670, HP 2617, BHT 108; Perf (Morrow) w/4 PF 11785-11790, 11810-11814; A/5000 gals; Rec (Morrow) 11752-11756, Rec (Strawn) 10940-10954, 10959-10963; A/4000 gals; Rec (Bone Spring) w/2 PF: 8558-8564, 8622-8628, 8648-8653; (Cont'd on Card #3-A)

Petroleum Information
Date: 05-28-86 Card No: 3
Comp Info: A/2000 gals; Rec (Bone Spring) 8301-8356 w/1 PF; A/4000 gals; FFP 55,000 gals + 120,000 ad; 5/36 BW; (Bone Spring) 8080-8250 w/1 PF; A/4000 gals; 5/36 BW (13X OIL) w/GSG (Bone Spring) 8080-8250; SGFR/97,000 gals + 226,000 ad; (Bone Spring) 8080-8250, 8301-8356; Perf (Bone Spring) 8080-8250, 8301-8356; C/Petroleum Drilg
TOPS: Rustler 684, Yates 2030, Seven Rivers 2408, Queen 3102, San Andres 3917, Bone Spring 7152, Wolfcamp 9107, Strawn 10,825, Morrow 11,300, Barnett 11,924
API No: 30-015-25146

EDDY COUNTY S E NEW MEXICO *MUNNAMED FIELD
Well: YATES HARVEY E 1 Can-Ken "A" Federal
Loc'n: 7 mi SE/Looco Hills; se ne Sec 4, T185, R31E Sur; 1980 FNL, 660 FNL of Sec
Result: GAS WPD
GEOMAP LIBRARY

Spud: 6-22-84; Comp: 9-17-84; Elev: *3760 KB; TD: 12,104 BMT; PB: 12,047
Casing: 13 3/8-762-675 ax; 8 5/8-5004-2500 ax; 5 1/2-12,104-330 ax; 2 3/8-11,737
Prod Zone: (Morrow) Prod thru Perfs 11,814-11,820
IPCAOF: 3013 MCFD; GOR 22,500; Gty 51.3; Gty (Gas) .657, SIWIP 2600, SIWIP 3271
Comp Info: No Cores, 6 DST's; RAN: CGL, CML, DI, FOCL, GRL; DST: (Bone Spring) 7255-7308, op 30 min, SI 1 hr, op 1 hr, SI 2 hr; Rec: 50 CC OIL, 1800 CC WTR, ITP 53, FFP 67 ITP 79, FFP 79, ISIP 158, FFP 184, ITP 3162, FFP 3148, BHT 114, DP REC (NR); SPL REC: .0001458 CFT GAS; DST: (Bone Spring) 7590-7616, op 30 min, SI 2 hr, op 1 hr, SI 2 hr, REC: 200 CC OIL, 1600 CC WTR, 2 CFT GAS, ITP 81, (Cont'd on Card #13-A)

Petroleum Information
Date: 10-22-86 Card No: 13
Comp Info: FFP 243, ITP 270, FFP 297, ISIP 2823, FFP 3252, FFP 3266, BHT 114 DP REC (NR); DST: (Bone Spring) 8670-8724 REC: 362 FT FLUD 250 CC FLUD, SPL REC .381, CFT GAS No other details hole in DP; DST: (Wolfcamp) 8960-9015, op 15 min, SI 30 min, op 2 hr, SI 4 hr, REC: 850 FT OIL, 850 FT FLUD, ITP 138, FFP 183, ITP 183, FFP 321, ISIP 966, FFP 321, ITP 3890, FFP 3890, SPL REC 2.69 CFT GAS; *DST: (Strawn) 10,940-11,004, op 30 min, SI 1 hr, op 2 hrs, SI 4 hr, REC: 500 FT OIL, ITP 91, FFP 136, FFP 159, ISIP 227, FFP 250, ITP 5192, FFP 5192, BHT 150 DP REC OIL No other details; *DST: (Morrow) 11,670-11,700, op 30 min, SI 1 hr, op 2 hr, SI 4 hr, GAS TS 27 min, 500 MCFD, (Cont'd on Card #13-B)

Petroleum Information
Date: 10-22-86 Card No: 13-A
Comp Info: FFP 720, FFP 742, ITP 678, FFP 763, ISIP 4583, FFP 5211, ITP 5672, FFP 5630, REC Invalid; Perf (Morrow) w/4 PF 11,814-11,820; (Morrow) A Per. Gcat: 6/64 chx, 526 MCFD, TP 2028, 1st thru 4th pt test in 60 mins; 9/64 chx, 681 MCFD, TP 1370, 12/64 chx, 985 MCFD, TP 1581, 16/64 chx, 1327 MCFD, TP 1336; Natural; C/Petroleum Drilg
TOPS: Rustler 684, Cowden 1702, Yates 2072, Seven Rivers 2456, Bowers 2905, Queen 3152, Penrose 3358, Grayburg 3573, San Andres 4234, Bone Spring 7224, Wolfcamp 8874, Pennsylvanian 10,078, Strawn 10,852, Atoka 11,024, Morrow 11,342, Barnett 12,002

NO RECORD OF PROD. FROM MORROW

NO RECORD OF PROD. FROM MORROW