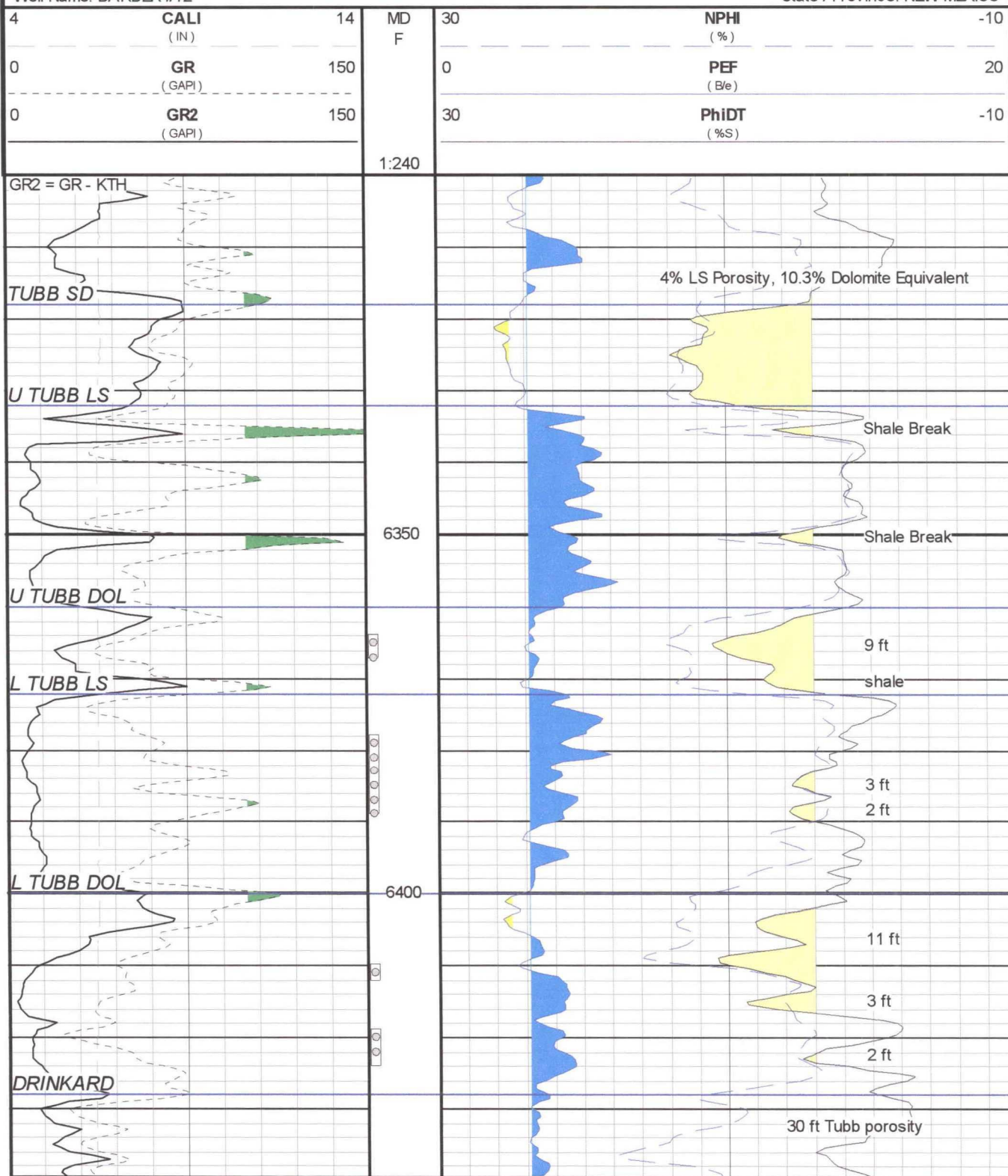


Operator: Sapient Energy
Well Name: BARBER #12

County / Parish: LEA
State / Province: NEW MEXICO

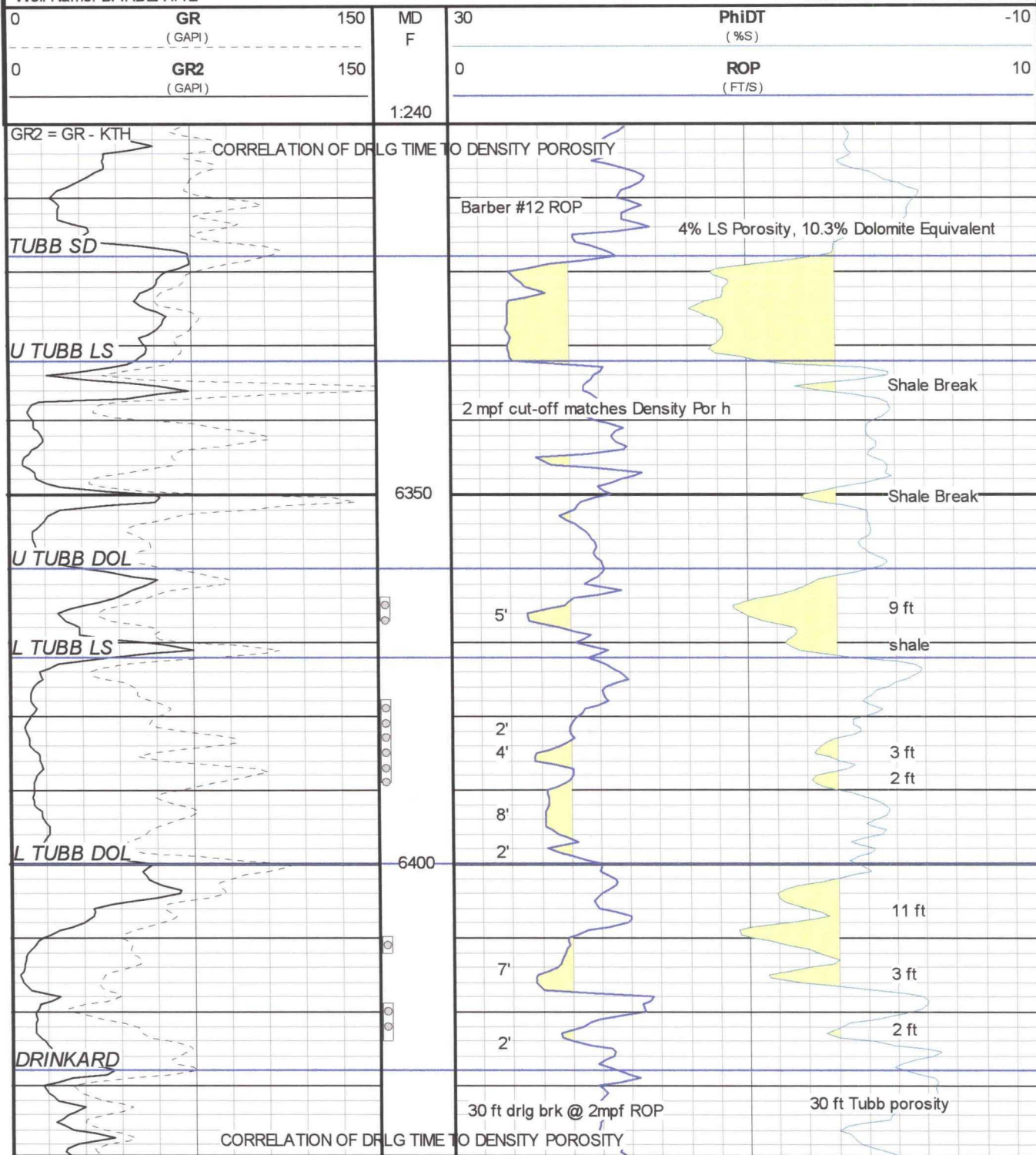


BEFORE THE
OIL CONSERVATION COMMISSION
Case No. 12605 Denovo Exhibit No.
Submitted By: **Sapient Energy Corp.**
Hearing Date: November 6, 2001

31-A

Operator: Sapient Energy
Well Name: BARBER #12

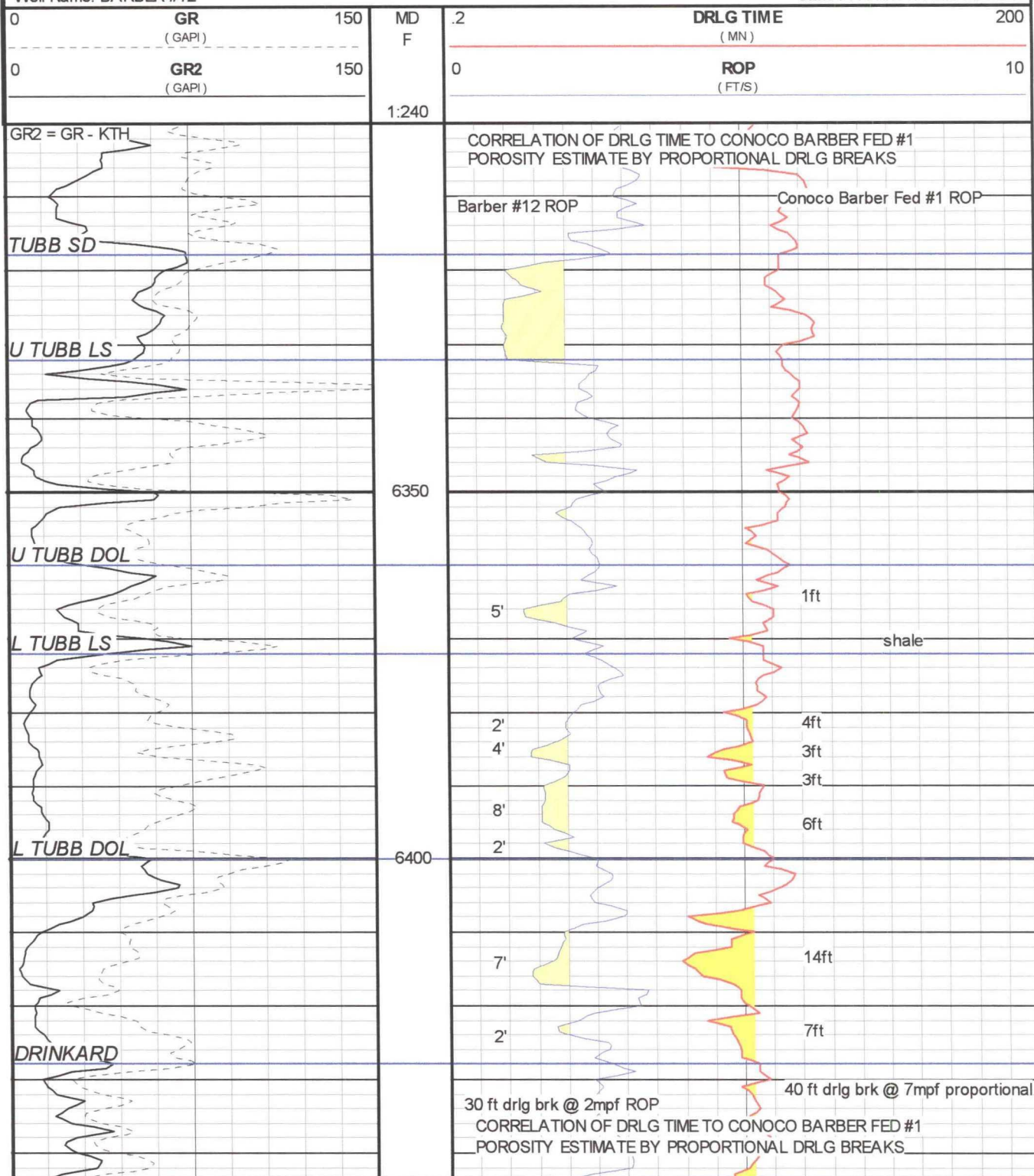
County / Parish: LEA
State / Province: NEW MEXICO



BEFORE THE
OIL CONSERVATION COMMISSION
Case No. 12605 Denovo Exhibit No.
Submitted By: **31-B**
Sapient Energy Corp.
Hearing Date: November 6, 2001

Operator: Sapient Energy
Well Name: BARBER #12

County / Parish: LEA
State / Province: NEW MEXICO



BEFORE THE
OIL CONSERVATION COMMISSION
Case No. 12605 Denovo Exhibit No. _____
Submitted By: Sapient Energy Corp. 31-C
Hearing Date: November 6, 2001

Exhibit 31: Supporting Data

(a) Barber #12 Density Log: Digital presentation of Density log with cut-offs and net porosity shaded and tabulated. The presentation shows the PE curve establishing the sand, dolomite, limestone lithology. The curve is shaded to the right of 3.14 (dolomite) value to indicate limestone. Perforated intervals are shown. I have also presented the spectral Gamma Ray curve shown as GR-KTH. This curve removes the Uranium effects that make the rocks look artificially shaley.

(b) Barber #12 ROP and Density Log: This presentation shows the drilling time log ROP correlated to the Density porosity log. The purpose is to demonstrate that a cut-off of 2 minutes per foot drilling time yields the same net porosity value as the density log. The proportional drilling break so defined will be applied to the Conoco Barber Federal #1 drilling time log.

(c) Conoco Barber-Fed #1 Net Porosity Estimate: The drilling time curve of the Conoco well is presented correlated to the gamma ray and drilling time log for the Sapient Barber #12. By applying the Sapient Barber #12 proportional drilling time cut-off (developed in exhibit 29b above), I estimate net porosity of 40 feet for the Conoco well.

(d) Barber #12 Mudlog: Copy of the mudlog across the Tubb interval. Shows the mixed lithology and the source of the ROP curve. The lithology is laterally variable and beds become more or less dolomitic and more or less limey. I also used two core descriptions and other mudlogs from the Monument Tubb Pool to establish my interpretation of Tubb lithology.

(e) Conoco Barber-Federal #1 Mudlog: A copy of the mudlog we were able to get from Conoco's March 2001 Cross-section exhibit. These data were digitized to use in exhibit 9 above. This is included to show the source document.

(f) Barber #12 Log Analysis: The complete log analysis based on the digital data set is presented. The analysis is restricted to the net porosity delineated in exhibit 29a. The proportional response of the PE curve is used to calculate a matrix density for each interval based on a two-mineral model shown by the shading in columns. The resulting density porosity is entered into a normal carbonate Archie Equation solution of water saturation (Sw) using the formation water resistivity supplied to us by the Midland office of Baker-Hughes (vendor of our logs).

The spreadsheet shows the resulting total of Phi-h (calculated per 0.5 ft and summed), and average values of Porosity and Water Saturation Sw. Porosity, Sw, and Phi-h are utilized in Sapient's engineering calculations.

(g) DST Data for Initial BHP Estimate: Sapient did an exhaustive search of all its well records for any measured initial pressure. Apparently Cross Timbers put this well down the pipeline without any sort of initial measured SIBHP or even an initial SITP. Therefore we have estimated one from these data. The exhibit is a collection of 6 pages. Page one is a tabulation of the wells and the data used to estimate an average initial BHP of 2597 psi that Sapient used in its calculation. Page two is a plat showing the spatial distribution of the data. It is correlative and proximal. The last four pages are copies of the source-scout tickets reporting the DST's and pressures.

(915) 687-3148, FAX:(915) 687-3157

Hydrocarbon Mud Logging Geological Consulting

BETHEA IHE
OIL CONSERVATION COMMISSION
Case No. 12605 Denovo Exhibit No. **31-A**
Submitted By: **Sapiient Energy Corp.**
Hearing Date: November 6, 2001

First Footage With Cut For Faxed/Printed Interval: 6322

Log Scale: 5"

SUTTLES LOGGING, INC.



HYDROCARBON WELL LOGGING
GEOLOGICAL CONSULTING

(915) 437-3148

CO - Circulate Out
CON - Connections Made
DC - Depth Correction
DDC - Driller Depth Correc.
DS - Directional Survey
DSI - Drill Stem Test

LC - Lost Circulation
NB - New Bit
NR - No Return
PG - Plugged Back
TD - Not Wireal Depth
WOB - Weight On Bit

Depths: (START) 6300 (TD) 6440, Dates: 12/3/98 TO 12/10/1998

NO SAMPLE-
DOLOMITE-
SAND-
SHALE-

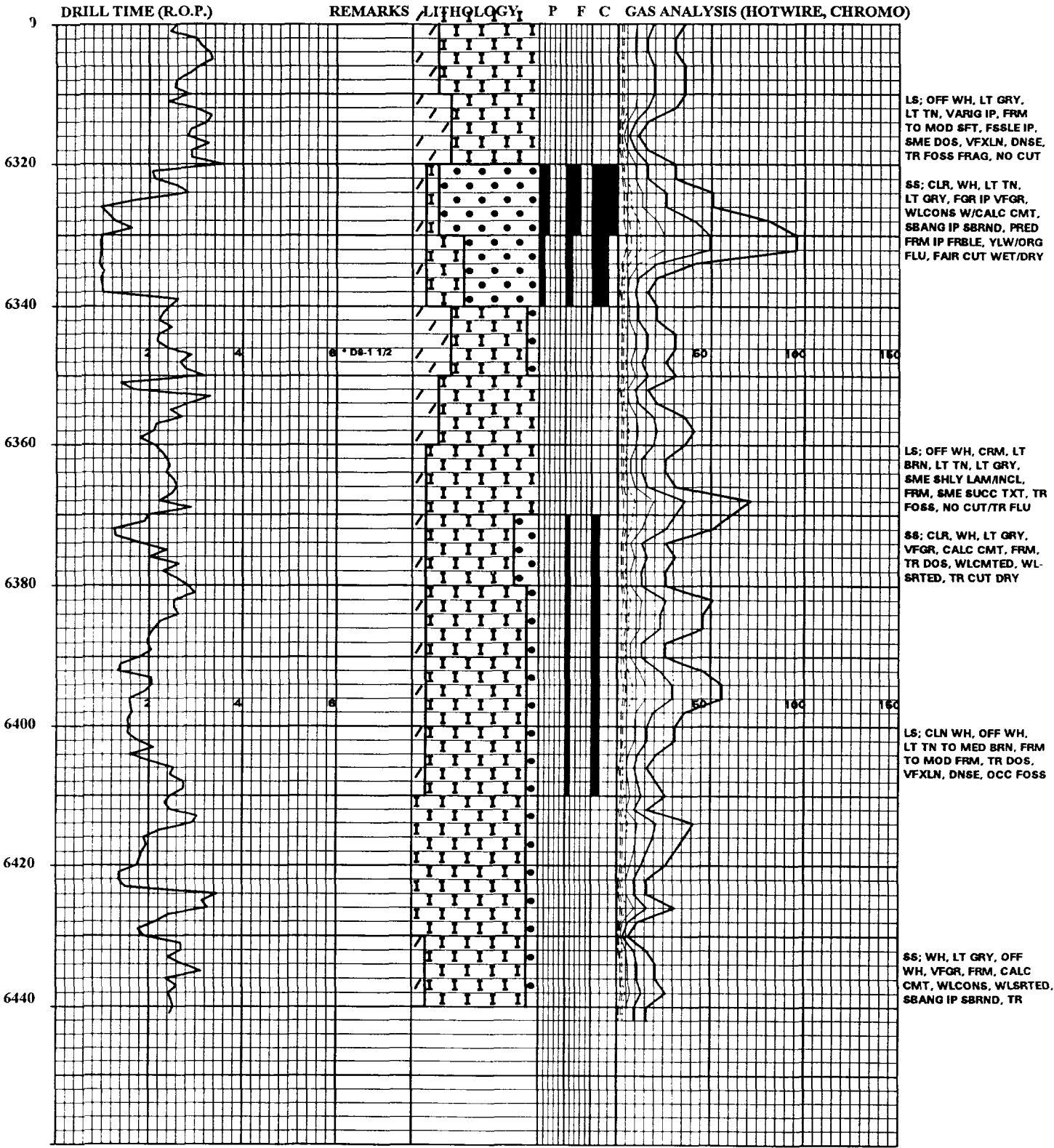
LIMESTONE-
ANHYDRITE-
SILT-
CHERT-

XXXX
JJJJ
KKKK
TTTT

Total 505 =

C1 CAS - _____
C2 CAS - _____
C3 CAS - _____
C4 CAS - _____
C5 CAS - _____

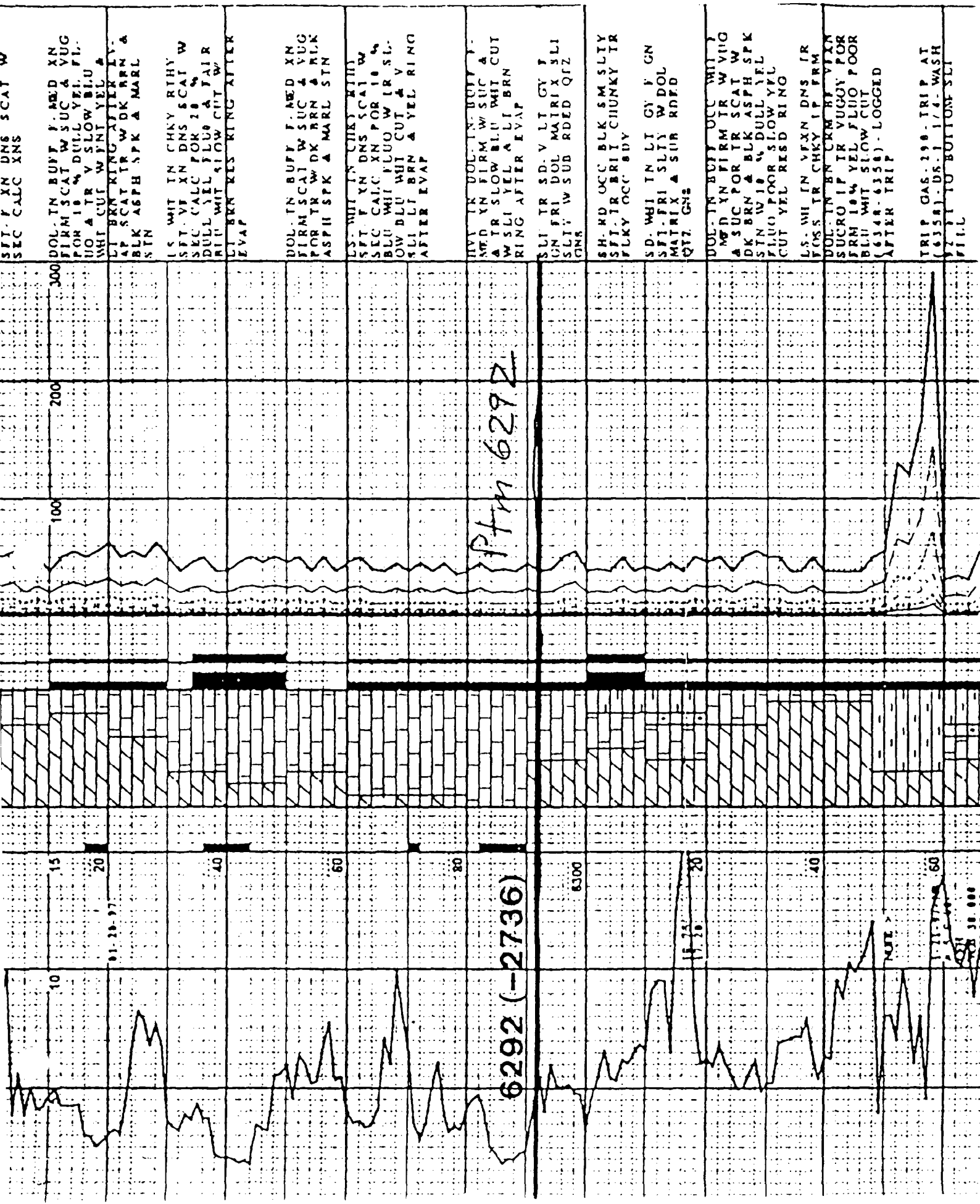
DEPTH	DRILL TIME (R.O.P.)	COMMENTS	LITHOLOGY	PORF	FLR CUT	GAS ANALYSIS	HOTWIRE	DESCRIPT & REMARKS
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BEFORE THE
OIL CONSERVATION COMMISSION
Case No. 12605 Denovo Exhibit No.
Submitted By: **31-6**
Sapient Energy Corp.
Hearing Date: November 6, 2001

CONOCO NO. 1 BARBER FED.
7-20S-37E KB 3556 TD 7330 ABO - TWISTED OFF DRILL PIPE.
PBTD 5705 BLINEBRY
PADDOCK PRODUCER (4-97 TO 7-00)

Advance Consultants Corp. Well Consultants • Geological Services Complete Hydrocarbon Well Logging P.O. Box 5274, Midland Tx. 79704 Interval Logged: 4000 to 7338 ft 5 inch Log		Company: CONOCO INC. Well: BARBER FEDERAL NO. 1 Location: SEC 7 T-20-S R-37-E Survey: 1773 FSL - 2017 FWL County and State: LEA CO. NEW MEXICO Geologists: J. CASIMIR and J. BOWIE Elevation: G.L. 3545 RKB 3555 Dates Logged: 1/2/1997 to 1/27/1997		Pa 26705 TD 7330 - Twist off PBTD 5705 BL Tstd 6111 ft DBP 5-13-7 Stud 12-27-96	
ABBREVIATIONS NR: No Returns CO: Conn Gas CO: Circ Out TG: Trip Gas DST: Drill Stem Test		LITHOLOGY SYMBOLS Sand: . . . Lime: / / / Dolo: / / / Anhy: / / / Chert: . . . Cong: x x x Shale: - - - Salt: + + +		GAS CHROMATOGRAPH Total Gas: --- C1: --- C2: --- C3: --- C4: --- C5: ---	
DRILLING RATE min./ft		LITHOLOGY PORO n: 24%		ANALYSIS LUX3 Total Gas and Chromatograph	
		CUT FLUR 11% n.100		REMARKS W. VTS - WT. - C. PH - CHL	



SFT. F. XN DNS SCAT W
SEC CALC XNS

DOL. TN BUFF. F. MED XN
FIRM SCAT W SUC A VUG
POR 18% DULL YEL. FL.
NO A TR V SLOW BLU
WHI CUT W FNT YEL A
LT BRN KING AFTER LV-
AP SCAT TR W DK BRN A
BLK ASPH SPK A MARL
STN

LS WHI TN CHKY RTHY
SFT. V. XN DNS SCAT W
SEC CALC POR 28%
DULL YEL FLUO A FAIR
RIP WHI SLOW CUT W
LT BRN KLS KING AFTER
EVAP

DOL. TN BUFF. F. MED XN
FIRM SCAT W SUC A VUG
POR TR W DK BRN A RILK
ASPH SPK A MARL STN

LS WHI TN CHKY RTHY
SFT. F. XN DNS SCAT W
SEC CALC XN POR 18%
BLU WHI FLUO W TR SL-
OW BLU WHI CUT A V
SLI LT BRN A YEL RING
AFTER EVAP

DOL. TN BUFF. F. MED XN
FIRM SCAT W SUC A
A TR SLOW BLU WHI CUT
W SCL YEL A LT BRN
RING AFTER EVAP

SFT. TR SD. V. LT GY F
GN FRI DOL MATRIX SLI
SLTY W SUD RDED QZ
GNS

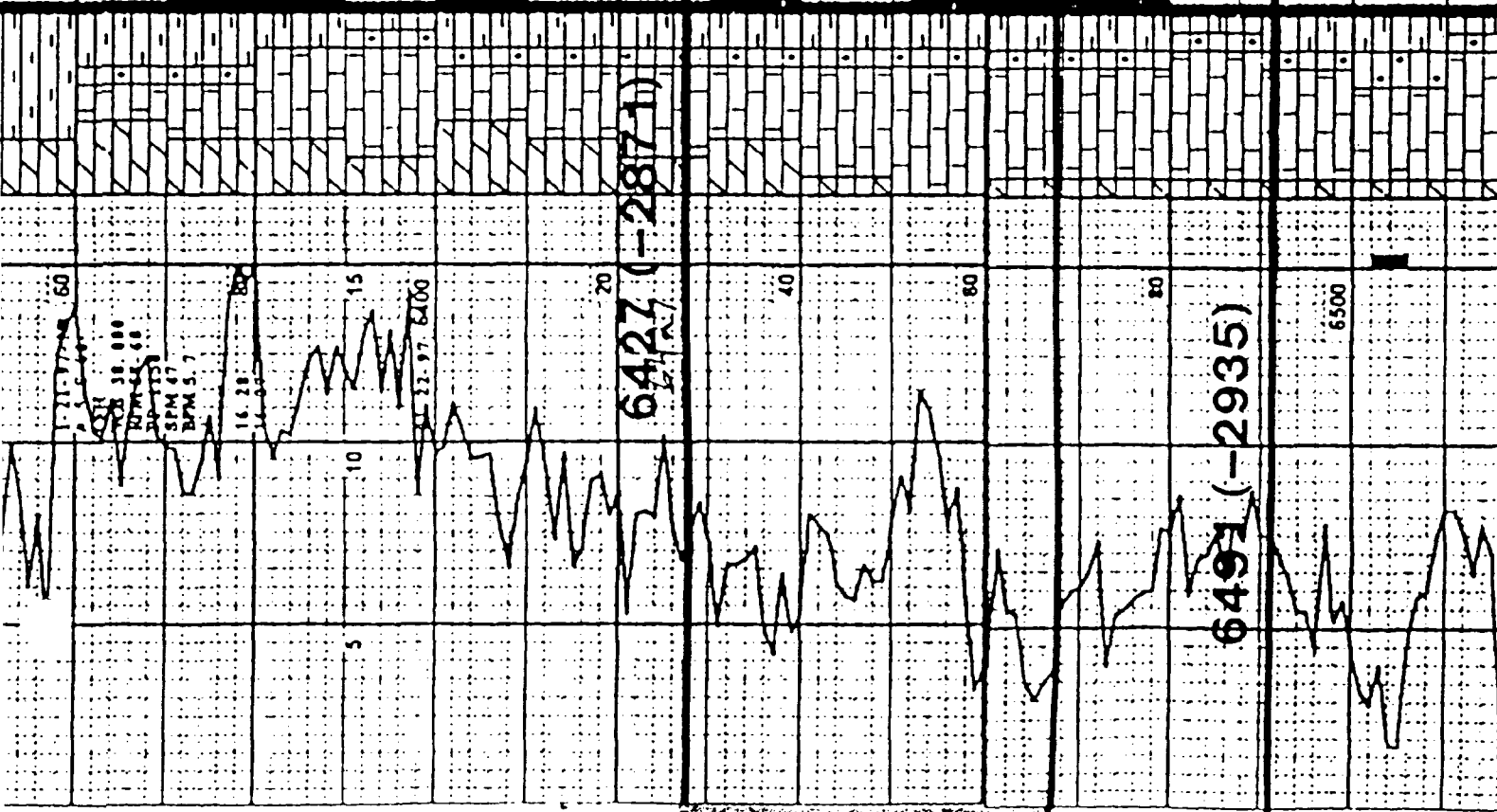
SH. RD OCC BLK SM SLTY
SFT. TR BRIT CHUNKY TR
FLKY OCC BDU

SD. WHI TN LT GY F GN
SFT. FRI SLTY W DOL
MATRIX A SUD RDED
QZ GNS

DOL. TN BUFF. OCC WHI F
MED XN FIRM TR W VUG
A SUC POR TR SCAT W
DK BRN A BLK ASPH SPK
STN W 18% DULL YEL
FLUO POOR SLOW YEL
CUT YEL RDED RING

LS. WHI TN VFXN DNS TR
FOS TR CHKY IP FIRM
DOL. TN BRN CRN RTH VFXN
SUCRO IP TR VUGGY POR
FIRM 18% YEL FLUO POOR
BLU WHI SLOW CUT
(6348-6358) - LOGGED
AFTER TRIP

TRIP GAS-298-TRIP AT
(6358)-DS-1 1/4 WASH
12 FT TO BOTTOM OF SCL
FILL



TRIP GAS-290-TRI
(635A)-DE-1 1/4 WASH
FILL

9.7-36-20-PH-8.0

SD-V LT GY OCC CRME F
GN SFT-FRI DOL MATRIX
W QIZ-SUB MDED GRNS
TRW ASPH BLK MARL
STN A 4 DULL YEL FLUO
W FNT LT BRN STN
VEL RING AFTER EVAP

SH-KD SM SLTY SFT
GUMMY CHUNKY SLI TR
ADY ACAT BLK SM SLTY
BRIT FLKY

DOL-TN BUFF OCC WHI
VF-F XN FIRM SCAT TR
W DK BRN A BLK ASPH
SPK A MARL STN 10-18
4 DULL YEL FLUO W TR
SLOW BLU WHI CUT A
FNT YEL A LT BRN RING
AFTER EVAP

LS-WHT TN CHKY RICH
SFT-SCAT VF XN DMS
TR WDK BRN ASPH MARL
STN 1A 3A 4A DULL YEL

FLU W TR-FAIR SLOW
BLU WHI CUT A FNT LT
BRN A FNT YEL RING AF
TER FVAP TR ACAT W
SEC CALC XNS

SD-V LT GY OCC TN VF
(IN SFT-FRI SLTY W DOL
MATRIX QIZ SUB RDED
UNK

SH-RD MLK SM SLTY SFT
BRIT CHUNKY A FLKY
OCC SDY

9.9 31 4.8-1/12-7.4
12.7-12.8-1.3-4

DOL-TN BUFF VF XN
FIRM

LS-WHT TN CHKY RICH
SFT-F XN DMS TR W SEC
CALC A SLI TR WDK
BRN ASPH MARL STN 20
4 DULL YEL FLUO W

FOOK SLOW FAINT YEL
CUT FAINT YEL BN RESD
EVP. RING

AD-LIQU CLR ENSLED VE
GN CONS FRIA CALC TR
QIZIC SUB-RND WELL
SORTED

LS-WHT TN BRN CRN DF VF
XN CHKY TR FOSK TR DK
BN STN TR IXN FOR 20W
VEL FLUO FOOK SLOW
VEL CUT YEL RESD RING
SH-GY SILTY SFT

6491 (-2935)

6422 (-2871)

6491 (-2935)

6500

Depth	GRAPI	LLD	RHOB	PE	MODEL			CALC GRAIN DENSITY		RW	Sw CALC RHOMA POR	PHI-hw CALC RHOMA	DEL h	TOTAL ZONE h	BWV
					SD/DOL	LS/DOL	DOL/LS	RHOMA SD/DOL LOG PE	RHOMA LS/DOL CALCULATED						
6361.5	90	34.2	2.62	3.28					2.86	12.8%	28.3%	0.064	0.5		0.036
6362	87	29.4	2.61	3.34					2.85	13.2%	29.5%	0.066	0.5		0.039
6362.5	76	26.4	2.60	3.33					2.85	13.7%	30.2%	0.068	0.5		0.041
6363	65	25.1	2.59	3.16					2.87	14.7%	28.7%	0.074	0.5		0.042
6363.5	59	24.9	2.57	3.14					2.87	15.8%	26.9%	0.079	0.5		0.043
6364	56	25.3	2.55	3.25					2.86	16.7%	25.2%	0.084	0.5		0.042
6364.5	52	26.2	2.53	3.32					2.86	17.5%	23.7%	0.087	0.5		0.041
6365	45	27.4	2.52	3.14					2.87	18.7%	21.7%	0.093	0.5		0.041
6365.5	40	28.3	2.52	3.14					2.87	18.5%	21.6%	0.093	0.5		0.040
6366	36	28.7	2.53	3.14					2.87	18.0%	22.0%	0.090	0.5		0.040
6366.5	37	28.1	2.54	3.33					2.85	17.0%	23.6%	0.085	0.5		0.040
6367	41	26.9	2.56	3.46					2.84	15.5%	26.3%	0.078	0.5		0.041
6367.5	51	25.8	2.58	3.46					2.84	14.5%	28.8%	0.073	0.5		0.042
6368	58	24.7	2.59	3.36					2.85	14.0%	30.6%	0.070	0.5		0.043
6368.5	61	23.8	2.60	3.28					2.86	14.1%	30.8%	0.071	0.5		0.044
6369	59	24.7	2.59	3.30					2.86	14.2%	30.0%	0.071	0.5		0.043
6369.5	61	26.7	2.59	3.22					2.86	14.9%	27.6%	0.074	0.5		0.041
6370	72	30.3	2.58	3.14					2.87	15.4%	25.0%	0.077	0.5	9	0.039
6370.5	95	35.4	2.59	2.81			SH					1.397			
6383	91	431.3	2.64	4.20					2.78	8.0%	12.8%	0.040	0.5		0.010
6383.5	93	424.0	2.63	4.28					2.78	8.3%	12.4%	0.042	0.5		0.010
6384	85	411.9	2.62	4.13					2.79	9.3%	11.2%	0.047	0.5		0.010
6384.5	66	400.2	2.62	3.81					2.81	10.8%	9.8%	0.054	0.5		0.011
6385	57	393.2	2.62	3.57					2.83	11.9%	9.0%	0.060	0.5		0.011
6385.5	53	375.8	2.63	3.77					2.82	10.3%	10.6%	0.051	0.5	3	0.011
6386	63	362.5	2.65	4.38					2.77			0.293			
6388.5	91	260.6	2.61	4.28					2.78	9.2%	14.2%	0.046	0.5		0.013
6389	83	243.9	2.62	4.30					2.77	8.9%	15.2%	0.045	0.5		0.014
6389.5	75	229.4	2.63	4.31					2.77	8.4%	16.7%	0.042	0.5		0.014

BEFORE THE
OIL CONSERVATION COMMISSION
Case No.12605 Denovo Exhibit No. _____
Submitted By: **Sapient Energy Corp. 31-f**
Hearing Date: November 6, 2001

Depth	GRAPI	LLD	RHOB	PE	MODEL			CALC GRAIN DENSITY		RW	Sw CALC RHOMA POR	PHI-hw CALC RHOMA	DEL h	TOTAL ZONE h	BWV
					SD/DOL	LS/DOL	DOL/LS	RHOMA SD/DOL LOG PE	RHOMA LS/DOL CALCULATED						
6390	69	217.4	2.64	4.04					2.80	8.7%	16.6%	0.043	0.5	2	0.014
6390.5	62	210.4	2.66	3.55					2.84			0.176			
6402	90	14.1	2.64	2.77				2.81		9.4%	60.4%	0.047	0.5		0.057
6402.5	85	13.5	2.62	2.74				2.80		10.2%	56.7%	0.051	0.5		0.058
6403	84	13.2	2.60	2.43				2.75		8.9%	65.6%	0.044	0.5		0.058
6403.5	87	13.2	2.58	2.21				2.72		8.1%	72.2%	0.040	0.5		0.058
6404	88	13.7	2.57	2.27				2.73		9.0%	63.5%	0.045	0.5		0.057
6404.5	80	14.0	2.57	2.37				2.74		9.8%	58.2%	0.049	0.5		0.057
6405	71	15.2	2.58	2.58				2.78		11.2%	48.4%	0.056	0.5		0.054
6405.5	64	16.6	2.59	2.91				2.83		13.5%	38.6%	0.067	0.5		0.052
6406	62	18.2	2.61	3.25					2.86	13.8%	36.1%	0.069	0.5		0.050
6406.5	65	20.2	2.62	3.45					2.84	12.2%	38.8%	0.061	0.5		0.047
6407	67	23.8	2.63	3.47					2.84	11.4%	38.0%	0.057	0.5		0.044
6407.5	66	28.0	2.61	3.53					2.84	12.4%	32.4%	0.062	0.5		0.040
6408	61	33.0	2.59	3.61					2.83	13.5%	27.4%	0.067	0.5		0.037
6408.5	55	38.9	2.54	3.54					2.84	16.0%	21.3%	0.080	0.5		0.034
6409	50	45.8	2.53	3.25					2.86	18.0%	17.4%	0.090	0.5		0.031
6409.5	46	56.7	2.53	3.14					2.87	18.3%	15.4%	0.091	0.5		0.028
6410	45	72.1	2.54	3.14					2.87	17.5%	14.2%	0.088	0.5		0.025
6410.5	48	91.8	2.56	3.14					2.87	16.4%	13.5%	0.082	0.5		0.022
6411	49	118.5	2.59	3.49					2.84	13.9%	14.0%	0.070	0.5		0.019
6411.5	49	143.7	2.61	4.06					2.79	10.5%	16.8%	0.053	0.5		0.018
6412	49	160.9	2.62	4.24					2.78	9.0%	18.6%	0.045	0.5		0.017
6412.5	51	176.7	2.63	4.35					2.77	7.8%	20.5%	0.039	0.5	11	0.016
6413	53	183.0	2.64	4.37					2.77			1.354			
6414	48	186.0	2.61	4.48					2.76	8.5%	18.2%	0.043	0.5		0.016
6414.5	41	183.2	2.58	4.37					2.77	10.6%	14.7%	0.053	0.5		0.016
6415	38	180.2	2.56	4.29					2.78	12.2%	13.0%	0.061	0.5		0.016
6415.5	37	170.4	2.56	4.32					2.77	11.9%	13.7%	0.059	0.5		0.016

Depth	GR API	LLD	RHOB	PE	MODEL			CALC GRAIN DENSITY		RW	0.045	PHI-h w CALC RHOMA	DEL h	TOTAL ZONE h	BWV
					SD/DOL	LS/DOL	DOL/LS	RHOMA SD/DOL LOG PE	RHOMA LS/DOL CALCULATED						
6416	37	159.1	2.60	4.34					2.77	9.7%	17.4%	0.048	0.5		0.017
6416.5	36	149.7	2.64	4.11					2.79	8.6%	20.2%	0.043	0.5	3	0.017
6417	38	143.0	2.68	3.56					2.84			0.308			
6422	51	138.2	2.64	4.30					2.77	7.3%	24.6%	0.037	0.5		0.018
6422.5	53	143.6	2.64	4.54					2.75	6.8%	28.1%	0.034	0.5		0.018
6423	53	145.3	2.63	4.63					2.75	6.9%	25.6%	0.034	0.5		0.018
6423.5	56	143.0	2.64	4.70					2.74	5.7%	31.1%	0.029	0.5	2	0.018
6424	64	126.8	2.68	4.67					2.74			0.133			
								AVERAGE or TOTAL VALUES		12.2%	26.7%	3.660		30	0.032

Raise very low
pressure
from just
Monument Area
Lea Co., NM
UBB Formation DST Data
Considers
quite a
low shut in
(very
rare)

Sapient Energy Corp

Operator	Well Name	DATE	DST Interval	SC CM	TS S	RO CM	IFP-FFP	BHSIP	TIME	TYPE	DESCRIPTION
AMERADA	STATE F #5	11/04/48	6480-6559	36	19S	36E	720-90	2570	15"	SIP	Op 240", GTS 35", Flow for 225", R/270' SLI OGCM, 1110' Sul Wtr.
SINCLAIR	LEA '373' UT #1	03/16/66	6500-6600	34	19S	37E	164-239	2548	120"	FSIP	Op 120", GTS 7", TSTM; R/90' FO, Gty 39.2, 450' HOGCM, 120' DM
ASHMUN & HILLIARD	COOPER #1	12/13/63	6542-6606	3	20S	37E	192-255	2664	30"	FSIP	Op 60", GTS 3", FARGO 140mcf, R/362' HOGCM
SKELLY OIL	VAN ETTEN #12	06/07/66	6375-6600	9	20S	37E	165-200	2621	30"	ISIP	Op 120", GTS 8", R/370' GCM.
CONOCO	BRITT B #24	06/20/65	6468-6520	11	20S	37E	337-1840	2483	30"	ISIP	Op 270", R/7 BO
CONOCO	BRITT B-15 #9	03/11/57	6447-6544	15	20S	37E	1325-1365	2695	15"	SIP	Op 105", GTS 2.5", OTS 15', Fw 13 BO/60", no wtr, Gas ARO 2158 mcf
								2597	AVG	SIBHP	

another BHP - a bit above

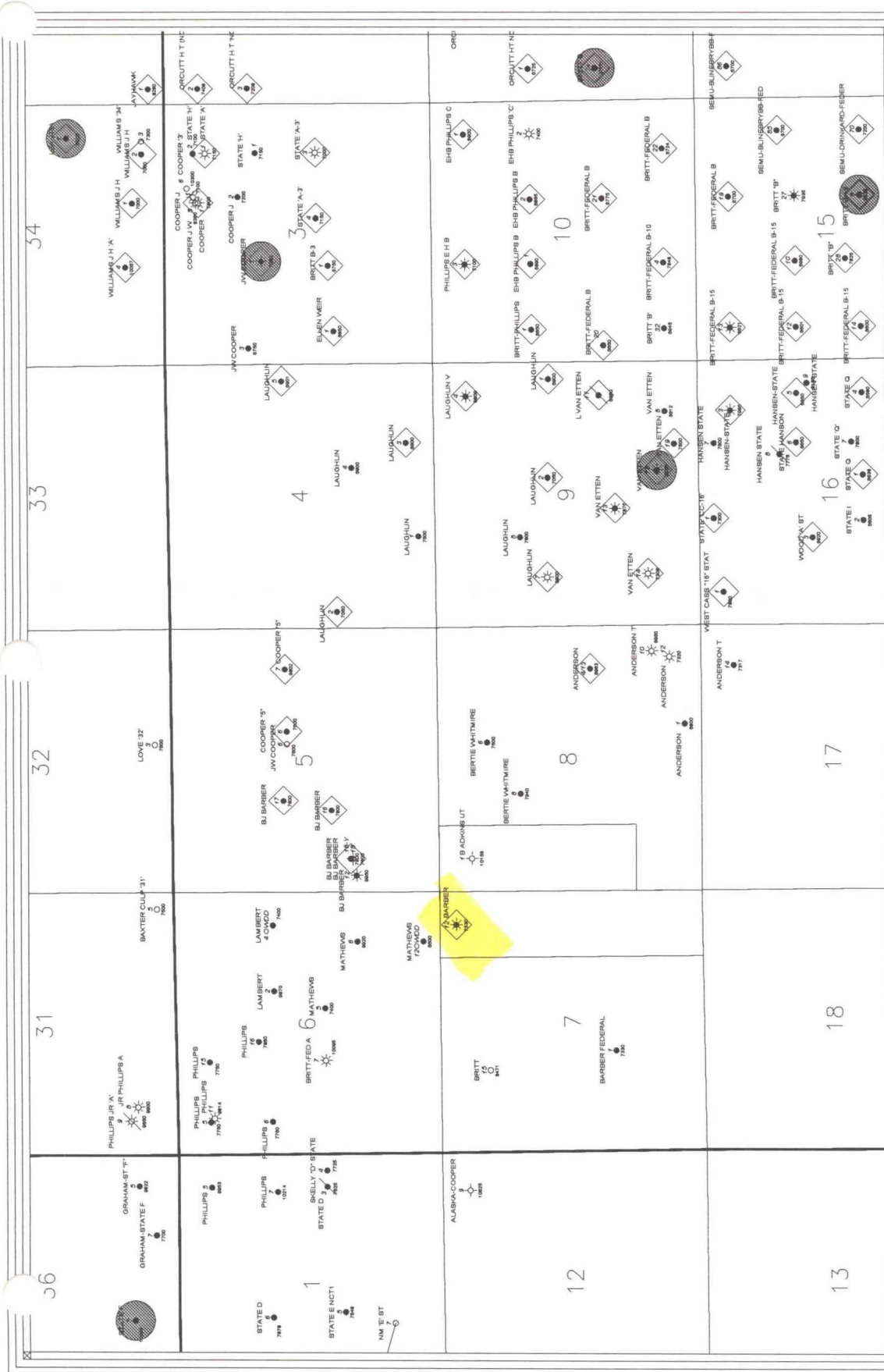
2546 lbs. midpoint
by using average
rather than

isn't
a
function

2390

this would
lower bubble psi
by 75 lbs
(370)

BEFORE THE
OIL CONSERVATION COMMISSION
Case No.12605 Denovo Exhibit No. 31-9
Submitted By: Sapient Energy Corp.
Hearing Date: November 6, 2001



LEGEND

◊

IP FM = TUBB

Tubb DST for BHP Estimate

Sapient Energy Corp.

Monument (Tubb) Field Area

Location of TUBB DSTs

RW Von Rhee	Scale 1:36000	10/30/01
dst_map.gpf		1"=3000'

Sapient Energy Corp.
Monument Field Area
Lea County, NM
TUBB FORMATION DST'S

Co. IEA POOL MONUMENT STATE N.M. KROENLEIN 1540
PAIDOCK
COMPANY Amerada - #5-F - State ELEV. 3590
LOC. 785' P&L & 1980' P&L
Sec. 36, T-19-S, R-36-E

ACID OR SHOT	CASING RECORD	TOPS
Perf. 20/9915-20 Perf. 68/9890-9907 250 gals.	13-3/8 - 187 - 200 8-5/8 - 2400 - 1300 5-1/2 - 9978 - 1200	A. 980 B. 1070 B.S. 2250 Yates 2430 San. And. 5135 Tubb 6295 Wich. 6905 (Tops Con't)
BPD. 5-2-48 COMP. 11-4-48		TP 9890 TD 10,255 RED 9930 1. 8386;
I. P. F. 197 BOPD; 1/4" ch; 2" @ 9905		
GR. 47 BDR 3020 TP 2000 CP Pier. 9835		
REMARKS Con't. Page #2		
Other TOPS record: W.C. 7904; Perm. - Sil. 8827; Mont. 9257; Simp. 9562; Ellen. 10090; Granite 10157.		

PAGE 2 OMITTED

IEA, NEW MEXICO
Amerada - #5-F - State

36-19-36

K-1540
Page #3

Core 5716-28, rec. 12' dol. pin point tron. good por. frac in lower part SI to good st & seat bldg.
DST 5716-28, op. 4 hrs. SBA rec. 80 M. strong sul odor FBHP 35-40, 15" SI 85#
Core 5726-36, rec. 10' dol. seat frac. & bldg. 0 in upper part good stn in lower part
Core 5736-46, rec. 10' dol. seat frac al por. seat bldg. 0.
DST 145' M. last 20' al 0 w/sul. W FBHP 0
TUBB - DST 6480-6559, op. 4 hrs. gas/35", LB for 3' 45", rec. 270 al G&CH, 1110' sul. w. FBHP 720-90, 15" SI 2570
DST 6809-55, op. 4 hrs. SBA, rec. 277 M. Strong sul odor in btm. FBHP 0-150, 15" SI 380
DST 6969-7109, op. 4 hrs. gas/3", 99% 217 MCFFD rec. 32' GCH FBHP 200-300 19" SI 1270
DST 7170-7206, op. 4 hrs. BA 1' 10" C/1' 10" to small to 99%
Con't. Page #4 - REMAINDER PAGES OMITTED.

Sapient Energy Corp.
Monument Field Area
Lea County, NM
TUBB FORMATION DST'S

LEA COUNTY NEW MEXICO WILDCAT
Well: SINCLAIR OIL & GAS CO. #1 Lea "373" Unit Result: NEW OIL DISC
Loc'n: SE/part of cnty; 3 mi SW of 9126' failure, 1 mi SE/Monument; Sec 34-19S-37E, 1980'
FSL 660' FEL Sec; surrounded by prodn in Weir & Monument Fields, 3 mi N of Penn producer.

Spud: 12-31-65; Comp: 3-16-66; Elev: 3593' Grd; TD: 8000'; PBTD 6640'
Casing: 13-3/8" 245'/225 sx, 9-5/8" 3883'/1900 sx, 4 1/2" liner 7049'/7850 sx
Prod Zone: (Tubb) T/Pay 6505', Prod thru Perfs 6505-6625'
IPP: 25 BOPD plus 4 BLW/24 hrs, Grav 37.5, GOR 125-1
Comp Info: DST 5315-81', op 2 hrs, rec 60' free oil, Grav 43.4, 180' DM & 90' GCM,
FP 44-149#, ISIP 1951#/1 hr, FSIP 1800#/2 hrs, DST 6185-6290', op 2 hrs, rec 180'
DM & 570' SWCM, FP 104-299#, ISIP 244#/1 hr, FSIP 2287#/2 hrs, DST 6500-6600',
TUBB || op 2 hrs, GTS 7 mins, TSTM, rec 90' free oil, Grav 39.2, 450' HOEGCM & 120' DM,
|| FP 164-239#, ISIP 2502#/1 hr, FSIP 2548#/2 hrs, DST 6600-6700', op 2 hrs, GTS 6 min,
TSTM, rec 270' gas & sli OCM, FP 119-119#, ISIP 1108#/1 hr, FSIP 1183#/2 hrs, DST
6915-46', op 2 hrs, rec 450' gas in DP, 190' sli OEGCM, FP 59-75#, ISIP 1490#/1 hr,
FSIP 1424#/2 hrs, DST 7885-8000', op 1 hr, rec 90' DM, FP 164-164#, ISIP 299#/1 hr,
FSIP 164#/2 hrs, Perf 6680, 6185', set ret @ 6120', sqzd perfs w/600 sx, DO to 6640',
Perf 6505, 6520, 6524, 6527, 6549, 6558, 6566, 6577, 6592, 6597, 6607, 6611, 6613,
6621, 6625, A/1400 gals, Frac w/20,000 gals & 20,000# sd.
Tops: (EL) Rustler 1360', Yates 2695', Grayb 3765', San And 4094', Glor 5304', Blineb
5885', Tubb 6420', Drink 6790', Abo 7085', Strawn 7950'

Sea Ranch
OIL REPORTS

Date: 4-27-66

Card No.: 13 NM kh

LEA COUNTY NEW MEXICO MONUMENT FLD
Well: ASHMUN & HILLIARD #1 J. W. Cooper Result: OIL
Loc'n: 2 mi SE/Monument; Sec 3-20S-37E, 1916' FNL 2077' FWL Sec

Spud: 10-17-63, Comp: 12-13-63, Elev: 3565' DF, TD: 7959'
Casing: 13 3/8" 253/300 sx, 9 5/8" 4000/500 sx, 7" 6820/400 sx
Prod Zone: T/Pay 6595, Prod thru perfs 6595-6613 TUBB
IPP: 160 BOPD + 4 1/2 BWPD thru 18/64" ch, Grav 36.8, TP 700#, CP plr
Comp Info: DST 5218-48, op 1 hr, no rec, FP 14-43#, SIP 1649#/30 mins, DST 5218-
78, op 1 hr, rec 180' mud, FP 40-116#, SIP 1737#/30 mins, DST 5278-5318, op 1
hr, rec 90' gas in DP & 10' oil plus 210' OEGCM, FP 39-119#, SIP 1635#/30 mins, DST
5735-5840, op 1 hr, rec 90' mud, FP 79-93#, SIP 226#/90 mins, DST 6445-6545, op 1
hr, rec 90' mud, FP 79-93#, SIP 226#/90 mins, DST 6445-6545, op 1 hr, GTS 2 mins,
est 30,000 CFGPD, rec 240' GCM, FP 148-156#, SIP 1345#/30 mins, DST 6542-6602,
TUBB || op 1 hr, GTS 3 mins, est 140,000 CFGPD, rec 362' HOEGCM, FP 192-255#, SIP 2664#/
|| 30 mins, DST 6650-84, op 1 hr, rec 300' gas in DP & 230' sli OEGCM plus 10' SW, FP
133-148#, SIP 1894#/30 mins, DST 6723-94, op 1 hr, rec 60' sli OEGCM, FP 74#, SIP
147#/30 mins, Perf 6733-86, A/1,000 gals, flwd SW, sqzd, Perf 6595-6613, A/500
gals, re-A/2,000 gals, flwd 109 BO/24 hrs, thru 18/64" ch, Perf 5287-92, A/500 gals
sqzd, Perf 4200-15, swbd wtr, sqzd. C/Forest Blackstock.
Tops: (EL) Yates 2620, Queen 3410, San And. 3905, Glor. 5210, Tubb 6355, Abo 7010,
Penn. 7880'.

Sea Ranch
OIL REPORTS

Date: 2-5-64

Card No.: 13 NM gr

Sapient Energy Corp.
Monument Field Area
Lea County, NM
TUBB FORMATION DST'S

LEA COUNTY NEW MEXICO MONUMENT (TUBB & BLINEBRY) FLD
Well: SKELLY OIL CO. #12 L. Van Etten DUAL Result: OIL
Loc'n: 810' FSL 2130' FEL of Sec 9-20S-37E

TUBB
DST

Spud: 4-30-66; Comp: 6-7-66; Elev: 3554' DF; TD: 6700'; PB: 6662'
Casing: 8-5/8" 1260'/920 sx; 5 1/2" 6700'/549 sx
Prod Zone: (Blinebry), T/Pay 5612', Prod thru Perfs 5612-5731'
IPP: 61 BOPD & 53 BW, Grav 41
Prod Zone: (Tubb), T/Pay 6371', Prod thru perfs 6371-6555'
IPF: 5 BOPD, 20/64" ch, Grav 30.2, TP 325#, GV 596,000 CFPD. GOR 119,200
Comp Info: DST 5734-5875', op 1 hr & 45 mins, rec 465' mud cut slty sulf wtr, &
2759' slty sulf wtr, NS, FP 447-1478#, ISIP 2061#/30 mins, FSIP 2037#/1 hr, DST
6375-6600', op 2 hrs, GTS 8 mins, rec 370' CCM, FP 165-200#, ISIP 2621#/30
mins; Perf 6371, 6374, 6385, 6389, 6402, 6405, 6423, 6426, 6428, 6438, 6442,
6445, 6452, 6502, 6505, 6512, 6527, 6529, 6537, 6542, 6544', 6555', A/1500
gals, F/32 BLO/24 hrs, GV 790,000 CFPD, Perf (Blineb) 5612, 5615, 5618, 5623,
5625, 5634, 5647, 5650, 5656, 5659, 5664, 5669, 5672, 5676, 5680, 5687,
5693, 5698, 5704, 5722, 5728, 5731', A/1500 gals, S/53 BLO, 30 BNO, 42 BFW/
14 hrs. C/Moran Drlg. & Prod. Co.
Tops: (EL) Anhy 1146', Slt 1266', B/Salt 2380', Yates 2534', 7-Rivers 2797', Queen
3292', Penrose 3391', Grayb 3595', San And 3926', Glor 5137', Paddock 5222',
Blineb 5673', Tubb 6295', Drink 6608', Tubb 6295'

Sa Rinshetti
OIL REPORTS

Date: 8-10-66

Card No.: 11 NM kh

LEA COUNTY NEW MEXICO MONUMENT-TUBB FIELD ✓
Well: CONTINENTAL OIL CO. #24-B Britt Result: OIL
Loc'n: Sec 11-20S-37E, 1980' FSL 660' FWL Sec

TUBB
DST

Spud: 5-10-65; Comp: 6-20-65; Elev: 3595' Grd; TD: 7000'
Casing: 7-5/8" 1344'/7380 sx, 4-1/2" 7000'/600 sx
Prod Zone: T/Pay 6494, Prod thru Perfs 6494-6692 GOR 3273
IPF: 139 BO + 20 BW/18-1/2 hrs thru 18/64" ch, Gas vol. 455,000 CFCPD
Comp Info: Crd 6483-6520, rec 10' dolo, bldg gas, 8' dolo, fair vuggy poro w/sli show
gas, 1' dolo, bldg O&G, 3' sli vuggy poro dolo, 1' vuggy poro dolo, bldg O&G, 14'
sd, sli bldg O&G; DST 6488-6520, op 3-1/2 hrs, rec 7 BO, ISIP 2483#/30 mins, FP
337-1840#, FSIP 2421#/30 mins; Crd 6520-72, rec 52', no description; Crd 6624-75'
rec 51', no description; Perf 5494, 6496, 6498, 6506, 6570, 6584, 6592, 6596,
6601, 6613, 6686, 6692, A/5000 gals.
Tops: (EL) Rustler 1369, Yates 2704, Seven Rivers 2965, Queen 3513, Glor 5263, Tubb
6379, Drinkard 6711'.

TUBB CORE / DST

Sa Rinshetti
OIL REPORTS

RH-184

Date: 7-20-65

Card No.: 9 NM mko

Monument Field Area
Lea County, NM
TUBB FORMATION DST'S

LEA COUNTY	NEW MEXICO	WILDCAT
Well: CONTINENTAL OIL CO. #9 Britt B-15		Result: NEW
Loc'n: 15-20S-37E; 1980' FS&ELs of Sec; E/central part of county in shallow Eumont Fld Area.		OIL DISC
Spud: 12-4-56; Comp: 3-11-57; Elev: 3563' DF; TD: 8536'; PB: 7752' Casing: 13" 319', 9 5/8" 3999', 7" 7768' Prod Zone: T/Pay 7700'; Prod thru perfs 7700-7724' IPF: 56 BOPD, Grav 39 Comp Info: DST 5175-97' (Glor) op 1 1/2 hrs, rec 180' mud, FP 0%, SIP 1105%; DST 5600-5700' (Blinebry) op 1 hr, rec 270' O&GCM, FP 135%, SIF 195%; DST 6447-6544' (Tubb) op 105 min, gas 2 1/2 min, oil 15 min, fiwd 13 BO/1 hr, no wtr, gas vol 2,158,000 CFGPD, GOR 6917-1, FP 1325-1365%, SIP 2695%/15 min; DST 6600-34' (Tubb) op 1 hr, gas 45 min, steady blow, rec 93' GCM, FP 0%, SIP 0%/15 min; DST 6640-6716', (Drinkard) op 3 hrs, gas 115 min, rec 60' GCM, NS, FP 0%, SIP 1445%; DST 6400-47' (Tubb) op 1 1/2 hrs, gas 3 min, rate 517,000 CFGPD, rec 540' HG&DCM w/some free dist on btm, FP 370-190%, SIP 2390%; DST 6447-6544' (Tubb) op 1-3/4 hrs, gas (Cont'd on card 13-A)		
	Date: 3-27-57	Card No.: 13 NM pf

TUBB
DST

LEA COUNTY	NEW MEXICO	WILDCAT
Well: CONTINENTAL OIL CO. #9 Britt B-15		Result: NEW
Loc'n: REMARKS CONTINUED:		OIL DISC
vol 2,158,000 CFGPD, GOR 6917-1, FP 1325-1365%, SIP 2695%/15 min; DST 6790-6907' (Drinkard) op 2 hrs, gas 19 min a rate 50,000 CFGPD, rec 1085' free oil & 50' GCM, FP 150-470%, SIP 2650%; DST 7700-34' (Penn) op 3 hrs, rec 2491' oil, no wtr, FP 430-980%, SIP 1365%/30 min; DST 7734-64' (Penn) op 2 hrs, rec 4180' salty sul wtr w/SO, FP 601-1890%, SIP 3960%/20 min; Perf 7712-24', swbd 22 BNO/4 hrs, no wtr; A/500 gals; swbd 1/2 BNO/2 hrs sqzd w/100 sx; rec load then swbd, 1/2 BOPH A/1000 gals; rec load then swbd 11 BNO/3 hrs; swbd dry. Tops: B/Salt 2485', Yates 2633', Seven River 2888', Queen 3405', Penrose 3515', Grayb 3698', Glor 5163', Blinebry 5765', Tubb 6300', Drinkard 6618', Abo 6928', Penn 7694'		
	Date: 3-27-57	Card No.: 13-A NM pf