

EXHIBIT

CASE NO.

Spud 4/30/97
Comp 10/8/97
IPF: 507 MCFG, 2980PD
20/64 FTP 340

Perf 11992-12006

NE SW 14 T16S R35E

CASE NO. _____

Dresser Atlas		Pidewall Neutron Gamma Ray	
FILE NO.	COMPANY MESA PETROLEUM CO		
	WELL MONSANTO STATE NO. 1		
	FIELD NORTH SHOE BAR		
	COUNTY LEA	STATE NEW MEXICO	
LOCATION: 1980' FSL & 1980' FWL			
SEC 14	TWP 16-S	RGE 35-E	
Permanent Datum GROUND LEVEL Elev. 3980		DIFL PROX -1/L	
Log Measured from K. B. 13 Ft. Above Permanent Datum			
Drilling Measured from K. B. 13			
Date 12-28-74	Run No. ONE		
Depth-Driller 12312	Depth-Logger 12007		
Bottom Logged Interval 12005	Top Logged Interval SURFACE		
Casing-Driller 9 5/8 4168	Casing-Logger 4150		
Bit Size 8 1/2"	Type Fluid in Hole CHEM GEL		
Density and Viscosity 9.0 38	pH and Fluid Loss 10 6.2 cc		
Source of Sample CIRCULATED	Rm @ Meas. Temp. 1.64 @ 68 °F		
Rm @ Meas. Temp. 1.52 @ 68 °F	Rmc @ Meas. Temp. 1.70 @ 68 °F		
Source of Rm and Rmc MEAS. MEAS.	Rm @ BHT 1.63 @ 183 °F		
Time Since Circ. 6 HOURS	Max Rec. Temp. Deg. F. 183 °F		
Equip. No. and Location 6028 HJBBB	Recorded By HOWARD-HOWE		
Witnessed By MR. PRESTON			

Atoka Lime

Atoka Clastics

Spud: 11/10/74
Comp: 1/21/75

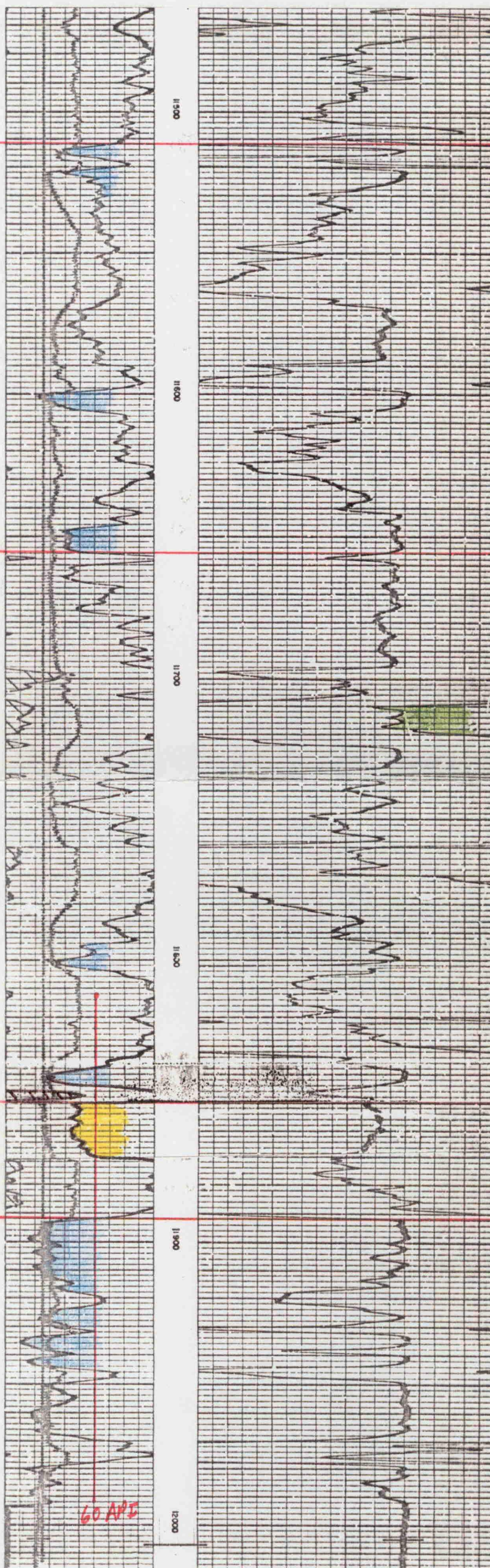
Wolfcamp 10416-426 F343 BOPD
Atoka (Morrow) 11849-869 1PF: 2.4 MMCFPD

No DST

Perf 11,849-869
A/3000
F 2.4 MMCFPD

Atoka "Brunson" Sand

Morrow Lime



NE SE 14 T16S R35E

Schlumberger		SIDEWALL NEUTRON POROSITY LOG	
COMPANY: PUBCO PETROLEUM CORPORATION			
WELL: SKELLY STATE #1			
FIELD: WILDCAT			
COUNTY: LEA		STATE: NEW MEXICO	
Location: 1980' FSL & 660' FEL		Other Services:	
Sec. 14 Twp. 16-S. Rge. 35-E		DIL, MI:	
Permanent Datum: G.L.		Elev. 3970	
Log Measured From: K.B.		Elev. K.B. 3970	
Drilling Measured From: K.B.		D.F. 3970	
Date: 1-25-73			
Run No: ONE			
Depth-Driller: 13200			
Depth-Logger: 13189			
Bit Log Interval: 13188			
Top Log Interval: 0			
Casing-Driller: 9 5/8" 4810			
Casing-Logger: 4804			
Bit Size: 8 3/4"			
Type Fluid in Hole: OIL			
Fluid Level: FULL			
Dens. Vis. 2.2 74			
pH: 4			
Source of Sample: PIT			
Fm. to Meas. Temp: 1.82 62			
Fm. to Meas. Temp: 1.27 66			
Fm. to Meas. Temp: 2.53 66			
Source Ref: H			
Run to Bit: 62 181			
Time Since Crt: 10 HOURS			
Min. Bar Temp: 181			
Equip. Location: 3241 THOSDS			
Recorded By: WALLS JEMPER			
Witnessed By: JOHNSON CAR SEY			

NEW MEXICO
OIL CONSERVATION DIVISION

EXHIBIT C

CASE NO.

Spud: 11/17/72

Comp: 3/24/73

Wolfcamp 10,456-474 F 336 BOPD

Atoka (Morrow) 11864-884 F CAOF 1.9 MM CFFPD

DST 11,750-900

GTS 2 hr 420 MCF/GPD

rec 480' YHG# SC CM

485' SE# MCW8

3 hr 34' ISIP 4849

3 hr FSIP 4756

Atoka "Brunson" Sand

Morrow Lime

Perf 11,864-884

A/3250

F 557 MCF/GPD, 17 Bc/12 hr.

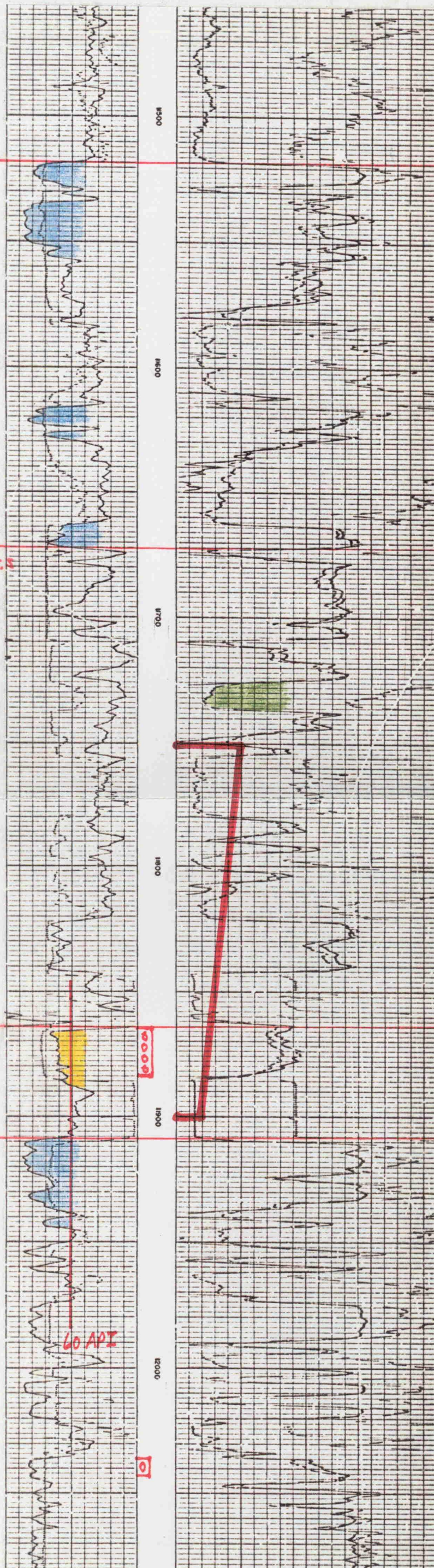
Perf 12036-43 Chester

A/3500

F 30 MCF/GPD

Atoka Lime

Atoka Clastics



NW SW 13 T16S R35E

Schlumberger		SIDEWALL NEUTRON POROSITY LOG	
COMPANY MESA PETROLEUM CO.			
WELL WISER #1			
FIELD NORTH SHOE BAR			
COUNTY LEA STATE NEW MEXICO			
Location 1980' FSL & 660' FWL			
Sec. 13 Twp. 16-S Rge. 35-E			
Permanent Datum G.L.		Elev. 3966	
Log Measured From R.K.B.		13 ft. Above Perm. Datum	
Drilling Measured From R.K.B.		D.F. 3979 G.L. 3966	
Date	6-15-74		
Run No.	ONE		
Depth-Driller	11985		
Depth-Logger	11978		
Run Log Interval	11977		
Top Log Interval	0		
Casing-Driller	9 578 4166		
Casing-Logger	4162		
Bit Size	8 1/2		
Type Fluid in Hole	DEXTRID-CELL-LEX-AQUAGEL		
Dens. / Visc.	8.9 / 40		
pH / Fluid Loss	10.0 / R.Q.M.		
Source of Sample	FLUID LINE		
R _{sh} @ Meas. Temp	975 @ 96 °F		
R _{ad} @ Meas. Temp	820 @ 96 °F		
R _{mc} @ Meas. Temp			
Source R _{ad} / R _{mc}	M		
R _{sh} @ BHT	59 @ 160 °F		
Circulation Stopped	0800 6-15		
Logger on Bottom	1300 6-15		
Max Rec. Temp	160 °F		
Equip. Location	2646 HOBBS		
Recorded By	CREEK		
Witnessed By	PRESTON		

NEW MEXICO
OIL CONSERVATION DIVISION

EXHIBIT D

CASE NO. _____

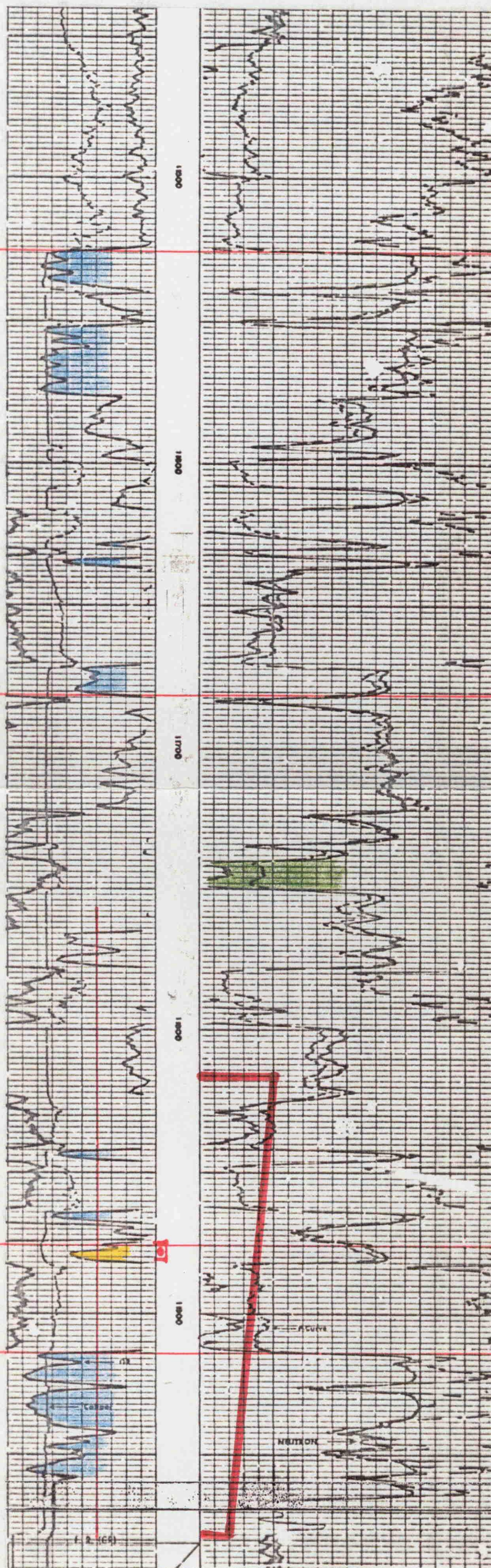
Spud: 5/5/74
Comp: 7/16/74
Strawn: 11294-332 F 170 BOPD

DST 11816-978
op 1 hr
rec 1804' VSGCWB
270' VSGCM
2 hr 151P 2900
2 hr FSIP 3163

Perf 11875-881
GTS 11" TSTM
A/1000
F 70 MCF/GPD
No Production

Atoka "Brunson"
Sand

Morrow Lime



60 API

SE NE 14 T16S R35E

Schlumberger		SIDEWALL NEUTRON POROSITY LOG	
COMPANY MESA PETROLEUM COMPANY			
WELL STATE COMM. #1			
FIELD NORTH SHOE BAR			
COUNTY LEA STATE NEW MEXICO			
Location 2086' FNL, 6 766' FCL		Other Log DIL, PL	
Sec 14 Twp 16-S Rge 35-E			
Permanent Datum G.A.L. Elev. 3964			
Log Measured From K.A.B. 13 ft Above Perm. Datum			
Drilling Measured From K.A.B.			
Date	3-26-75	3-31-75	
Run No.	ONE	TWO	
Depth-Driller	11509	12050	
Depth-Logger	11511	12049	
Bin Log Interval	11510	12048	
Top Log Interval	4102	11300	
Casing-Driller	9 5/8 4100	9 5/8 4100	
Casing-Logger	4102		
Bit Size	8 3/4 TO 4 7/8	6 8 TO 7 TO 10	
Type Fluid in Hole	CELL EX-AQUAGEL		
Dens. Visc.	8.6 54	8.5 38	
pH	N.A. 17	N.A. 10	
Source of Sample	CIRC.	PIT	
Run @ Mass Temp	1.52 @ 63 °F	2.1 @ 70 °F	
Run @ Mass Temp	1.55 @ 61 °F	1.3 @ 70 °F	
Run @ Mass Temp	2.2 @ 63 °F	- @ - °F	
Source Run / Rec	M 10	M -	
Run @ Bit	6.8 @ 150 °F	1.1 @ 150 °F	
Log Measured Stopped	19:00 3-25	1500	
Logger on Bottom	01:15 3-26	2000	
Max Rec Temp	150 °F	158 °F	
Equip. Location	7732 HOBBS 7646 HOBBS		
Recorded By	KEMPER, MYANTHILSON		
Witnessed By	MOORE PRESTON		

OIL CONSERVATION DIVISION

EXHIBIT E

CASE NO.

Spud: 2/7/75

Comp: 4/6/75

Dry Hole

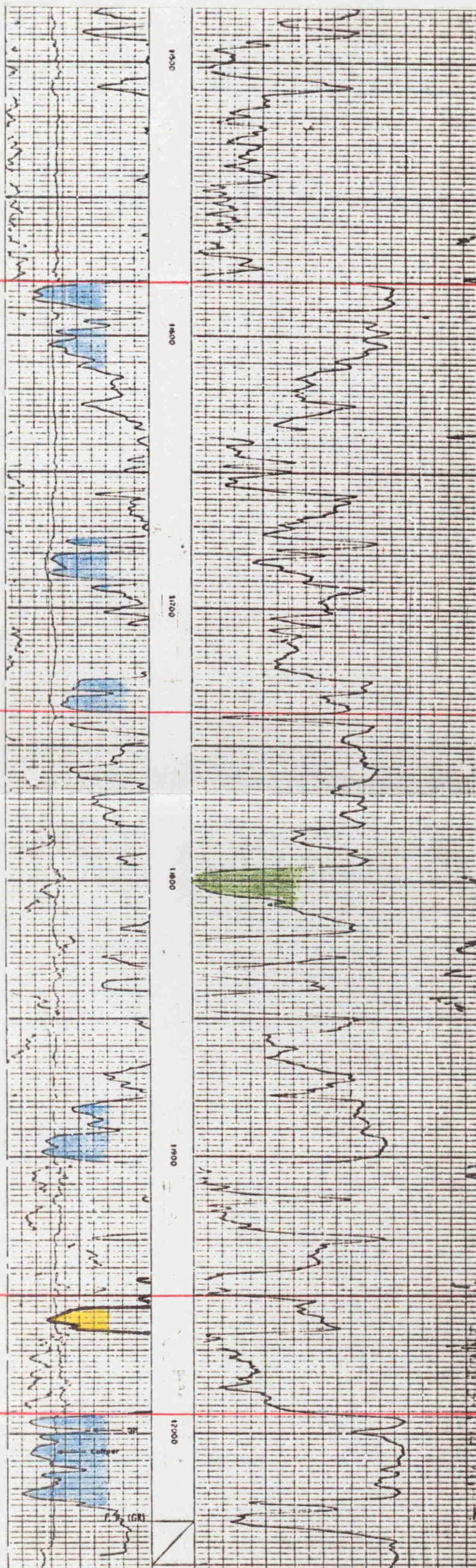
Atoka Lime

Atoka Clastics

No DST or
Perf's

Atoka "Brunson"
Sand

Morrow Lime



SE SE 11 T16S R85E

Schlumberger		SIDEWALL NEUTRON POROSITY LOG	
COMPANY R. L. BURNS CORPORATION			
WELL WITT #1			
FIELD NORTH SHOGAR STRAWN			
COUNTY LEA		STATE NEW MEXICO	
Location 330' FSL, 330' FEL		Other Services	
Seri 11 Top 16-S eye 35-E		DIL	
Date 11/4/73		Rev. 3970	
Measured by 11/5/74		Rev. 3985	
Measured from 11/5/74		Rev. 3984	
Measured from 11/5/74		Rev. 3970	

Depth (ft)	Neutron Porosity (%)	Grain Density (g/cc)	Formation
0	12.1	2.10	Atoka Lime
10	12.1	2.10	Atoka Lime
20	12.1	2.10	Atoka Lime
30	12.1	2.10	Atoka Lime
40	12.1	2.10	Atoka Lime
50	12.1	2.10	Atoka Lime
60	12.1	2.10	Atoka Lime
70	12.1	2.10	Atoka Lime
80	12.1	2.10	Atoka Lime
90	12.1	2.10	Atoka Lime
100	12.1	2.10	Atoka Lime
110	12.1	2.10	Atoka Lime
120	12.1	2.10	Atoka Lime
130	12.1	2.10	Atoka Lime
140	12.1	2.10	Atoka Lime
150	12.1	2.10	Atoka Lime
160	12.1	2.10	Atoka Lime
170	12.1	2.10	Atoka Lime
180	12.1	2.10	Atoka Lime
190	12.1	2.10	Atoka Lime
200	12.1	2.10	Atoka Lime
210	12.1	2.10	Atoka Lime
220	12.1	2.10	Atoka Lime
230	12.1	2.10	Atoka Lime
240	12.1	2.10	Atoka Lime
250	12.1	2.10	Atoka Lime
260	12.1	2.10	Atoka Lime
270	12.1	2.10	Atoka Lime
280	12.1	2.10	Atoka Lime
290	12.1	2.10	Atoka Lime
300	12.1	2.10	Atoka Lime
310	12.1	2.10	Atoka Lime
320	12.1	2.10	Atoka Lime
330	12.1	2.10	Atoka Lime
340	12.1	2.10	Atoka Lime
350	12.1	2.10	Atoka Lime
360	12.1	2.10	Atoka Lime
370	12.1	2.10	Atoka Lime
380	12.1	2.10	Atoka Lime
390	12.1	2.10	Atoka Lime
400	12.1	2.10	Atoka Lime
410	12.1	2.10	Atoka Lime
420	12.1	2.10	Atoka Lime
430	12.1	2.10	Atoka Lime
440	12.1	2.10	Atoka Lime
450	12.1	2.10	Atoka Lime
460	12.1	2.10	Atoka Lime
470	12.1	2.10	Atoka Lime
480	12.1	2.10	Atoka Lime
490	12.1	2.10	Atoka Lime
500	12.1	2.10	Atoka Lime
510	12.1	2.10	Atoka Lime
520	12.1	2.10	Atoka Lime
530	12.1	2.10	Atoka Lime
540	12.1	2.10	Atoka Lime
550	12.1	2.10	Atoka Lime
560	12.1	2.10	Atoka Lime
570	12.1	2.10	Atoka Lime
580	12.1	2.10	Atoka Lime
590	12.1	2.10	Atoka Lime
600	12.1	2.10	Atoka Lime
610	12.1	2.10	Atoka Lime
620	12.1	2.10	Atoka Lime
630	12.1	2.10	Atoka Lime
640	12.1	2.10	Atoka Lime
650	12.1	2.10	Atoka Lime
660	12.1	2.10	Atoka Lime
670	12.1	2.10	Atoka Lime
680	12.1	2.10	Atoka Lime
690	12.1	2.10	Atoka Lime
700	12.1	2.10	Atoka Lime
710	12.1	2.10	Atoka Lime
720	12.1	2.10	Atoka Lime
730	12.1	2.10	Atoka Lime
740	12.1	2.10	Atoka Lime
750	12.1	2.10	Atoka Lime
760	12.1	2.10	Atoka Lime
770	12.1	2.10	Atoka Lime
780	12.1	2.10	Atoka Lime
790	12.1	2.10	Atoka Lime
800	12.1	2.10	Atoka Lime
810	12.1	2.10	Atoka Lime
820	12.1	2.10	Atoka Lime
830	12.1	2.10	Atoka Lime
840	12.1	2.10	Atoka Lime
850	12.1	2.10	Atoka Lime
860	12.1	2.10	Atoka Lime
870	12.1	2.10	Atoka Lime
880	12.1	2.10	Atoka Lime
890	12.1	2.10	Atoka Lime
900	12.1	2.10	Atoka Lime
910	12.1	2.10	Atoka Lime
920	12.1	2.10	Atoka Lime
930	12.1	2.10	Atoka Lime
940	12.1	2.10	Atoka Lime
950	12.1	2.10	Atoka Lime
960	12.1	2.10	Atoka Lime
970	12.1	2.10	Atoka Lime
980	12.1	2.10	Atoka Lime
990	12.1	2.10	Atoka Lime
1000	12.1	2.10	Atoka Lime

NEW MEXICO
OIL CONSERVATION DIVISION

EXHIBIT F

Spud: 11/4/73
Comp: 1/5/74

Dry Hole

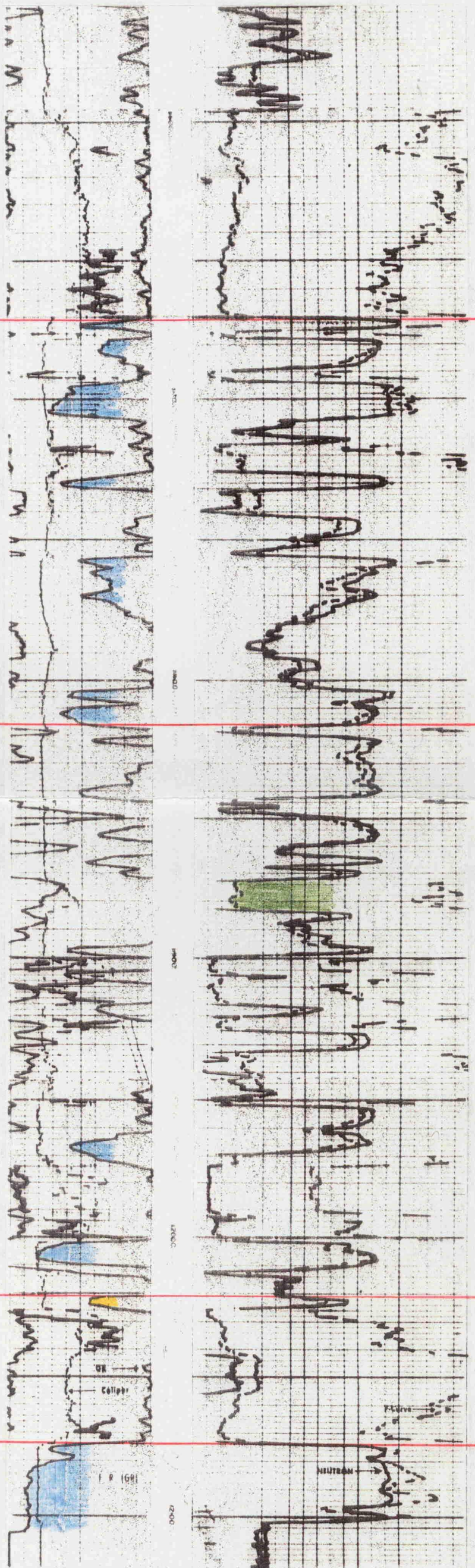
Atoka Lime

Atoka Clastics

No DST or
Perf's

Atoka "Brunson"
Sand

Morrow Lime



SE NE 11 T16S R35E

NEW MEXICO
OIL CONSERVATION DIVISION
EXHIBIT **G**

CASE NO. _____

Schlumberger		BOREHOLE COMPENSATED SONIC LOG GAMMA RAY	
COUNTY	LEA	COMPANY	R. L. BURNS
FIELD	UNDESIGNATED	WELL	LUSK #1
LOCATION	LUSK #1	FIELD	UNDESIGNATED (MORROW)
COUNTY	LEA	STATE	NEW MEXICO
LOCATION	1980' FNL 660' FEL	Other Services	DIL, ML
Sec.	11	Twp.	16-S
Rge.	35-E		
Permanent Datum	G.L.	Elev.	3987
Log Measured From	K.B.	21 Ft. Above Perm. Datum	
Drilling Measured From	K.B.		
Date	7-16-72		
Run No.	ONE		
Depth - Outlier	12209		
Depth - Logger	12207		
Run Log Interval	12205		
Run Log Interval	10705		
Casing - Driller	8 5/8" 4672		
Casing - Logger			
Bit Size	7 7/8"		
Type Fluid in Hole	FRESH MUD		
Dens. - Visc.	5.8 / 85		
pH / Fluid Loss	11.5 / 4.6 ml		
Source of Sample	P11		
Run @ Atmos. Temp.	1.658 71°F		
Run @ Atmos. Temp.	1.238 70°F		
Run @ Atmos. Temp.	2.058 71°F		
Screen Log Run	H		
Run @ 156°F			
Time Since Circ.	6 HOURS		
From Log. Temp.	156		
Depth / Location	7627 / MORROW		
Measured by	J. R. WILSON		
Witnessed by	BURLESON-MULLER		

Deep Part of Hole
OTD 10,717
Spud: 6/28/72
Comp: 7/19/72
Dry Hole

Atoka Lime

DST 11748-848
rec 200' M
FSIP 5066 1 1/2 hr

Atoka Clastics

DST 11750-12,040
pkr failed
rec 680' M
ISIP 5293 / 1 hr

DST 11984-12,209
rec 40' M
ISIP 1427
FSIP 1336

Atoka "Brunson"
Sand

Morrow Lime

