

Order Number

470

API Number

30-025-40100

Operator

Apache Corporation

County

Lea

Order Date

7-6-11

Well Name

William Turner

Number

13

Location

J

UL

29

Sec

21S

T (+Dir)

37E

R (+Dir)

Pool 1

10660

Blinebry Oil + Gas

Oil %

77

Gas %

48

Pool 2

60240

Tobb Oil + Gas

23

52

Pool 3

Pool 4

Comments:

Posted in RBDMS 7-6-2011 COH

30-025-40100
DHC-HOB-470

DOWNHOLE COMMINGLE CALCULATIONS:

OPERATOR: Apache Corporation

PROPERTY NAME: William Turner

WNULSTR: 13-J-29-215-37E

SECTION I:		ALLOWABLE AMOUNT	
POOL NO. 1	<u>Blinebry Oil + Gas</u>	<u>107</u>	<u>428</u> MCF
POOL NO. 2	<u>Tubb Oil + Gas</u>	<u>142</u>	<u>284</u> MCF
POOL NO. 3	_____	_____	_____ MCF
POOL NO. 4	_____	_____	_____ MCF
POOL TOTALS		<u>249</u>	<u>712</u>

SECTION II:		<u>Oil</u>	<u>Gas</u>
POOL NO. 1	<u>Blinebry Oil + Gas</u>	<u>77%</u>	<u>48%</u>
POOL NO. 2	<u>Tubb Oil + Gas</u>	<u>23% x 249 = 57.27</u>	<u>52%</u>
POOL NO. 3	_____	<u><57></u>	
POOL NO. 4	_____		

	<u>OIL</u>	<u>GAS</u>
SECTION III:	<u>23% ÷ 142 = 617.39</u>	<u><617></u>
SECTION IV:	<u>77% x 617 = 475.09</u>	<u><475></u>
	<u>23% x 617 = 141.91</u>	<u><142></u>
	_____	_____
	_____	_____

Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 1301 W. Grand Ave., Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 June 19, 2008

HOBBS OCD
 JUL 01 2011
 RECEIVED

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-40100 ✓
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name William Turner ✓
8. Well Number 013 ✓
9. OGRID Number 873 ✓
10. Pool name or Wildcat Blinebry O&G(Oil)6660/Tubb O&G(Oil)60240

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well Gas Well Other:

2. Name of Operator
Apache Corporation

3. Address of Operator
303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705

4. Well Location
 Unit Letter J : 1380 feet from the South line and 1332 feet from the East line
 Section 29 Township 21S Range 37E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3469' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input checked="" type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache would like to DHC the following pools: **Per R-11363**

Pool Names:	Proposed Perforations:
Blinebry Oil & Gas (Oil) 6660	Blinebry 5493'-5757'
Tubb Oil & Gas (Oil) 60240	Tubb 6043'-6266'

The allocation method will be as follows based on offset production. (See attached application for exception to Rule 303-C.)

	OIL	GAS	WATER
Blinebry	77%	48%	84%
Tubb	23%	52%	16%

Downhole commingling will not reduce the value of these pools. Ownership is the same for each of these pools.

Spud Date: Rig Release Date:

DHC-HOB-470

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Reesa Holland TITLE Sr. Engr Tech DATE 06/30/2011

Type or print name Reesa Holland E-mail address: Reesa.Holland@apachecorp.com PHONE: 432/818-1062

For State Use Only

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE JUL 06 2011

Conditions of Approval (if any):

HOBBS OCD

Handwritten initials

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II
1701 W. GRAND AVENUE, ARTESIA, NM 88210

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 RIO BRAZOS RD., AZUL, NM 87410

OIL CONSERVATION DIVISION

11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-025 40100	Pool Code 66660	Pool Name Blinebry Oil & Gas (Oil)
Property Code 306629	Property Name WILLIAM TURNER	
OGRID No. 873	Operator Name APACHE CORPORATION	Well Number 13
		Elevation 3469'

Surface Location

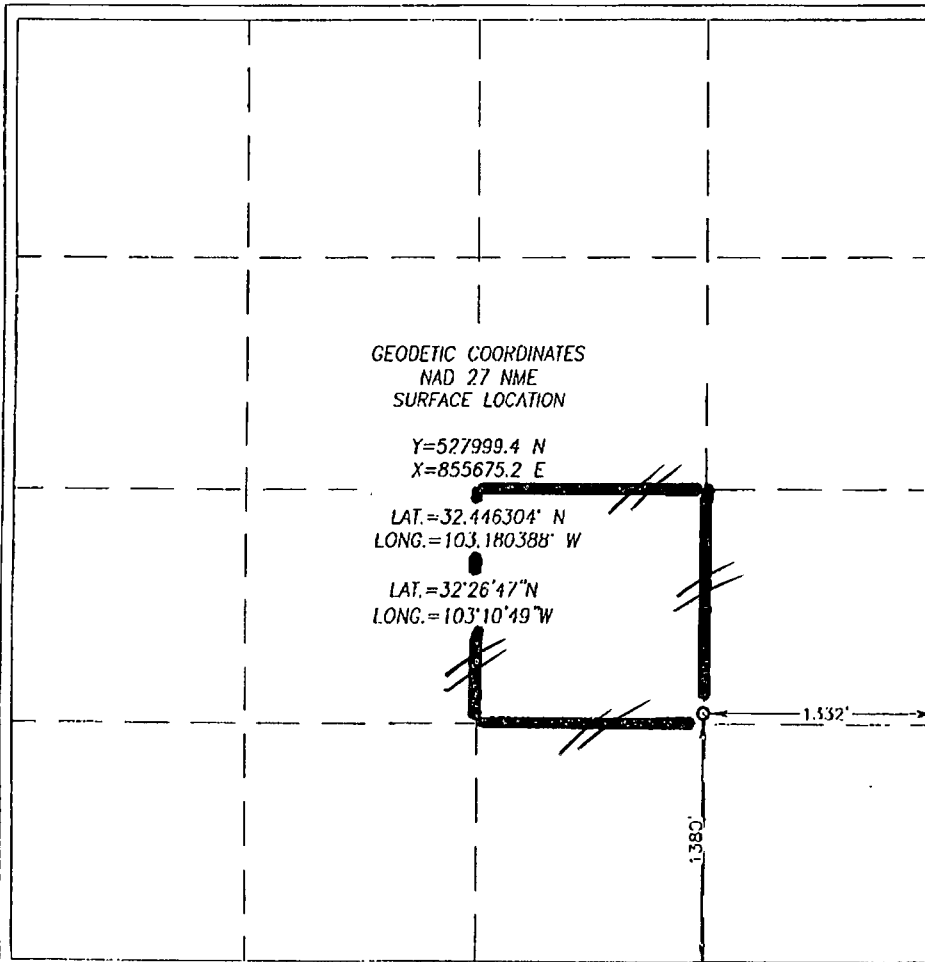
UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	29	21-S	37-E		1380	SOUTH	1332	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres: **40** Joint or Jafill: Consolidation Code: Order No.: **NSL-6351**

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Vicki Brown 3/3/11
Signature Date
Vicki Brown
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

DECEMBER 22, 2010

Date Surveyed: _____ DSS
Signature & Seal of Professional Surveyor: *Gary C. Eidson*
Certificate No.: GARY C. EIDSON 12041
RONALD E. EIDSON 3239

HOBBS OCD

Handwritten initials

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
1301 W. GRAND AVENUE, ARRESIA, NM 88210

RECEIVED OIL CONSERVATION DIVISION
11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-025 40100	Pool Code 60240	Pool Name Tubb Oil & Gas (oil)
Property Code 306629	Property Name WILLIAM TURNER	
OGRID No. 873	Operator Name APACHE CORPORATION	Well Number 13
		Elevation 3469'

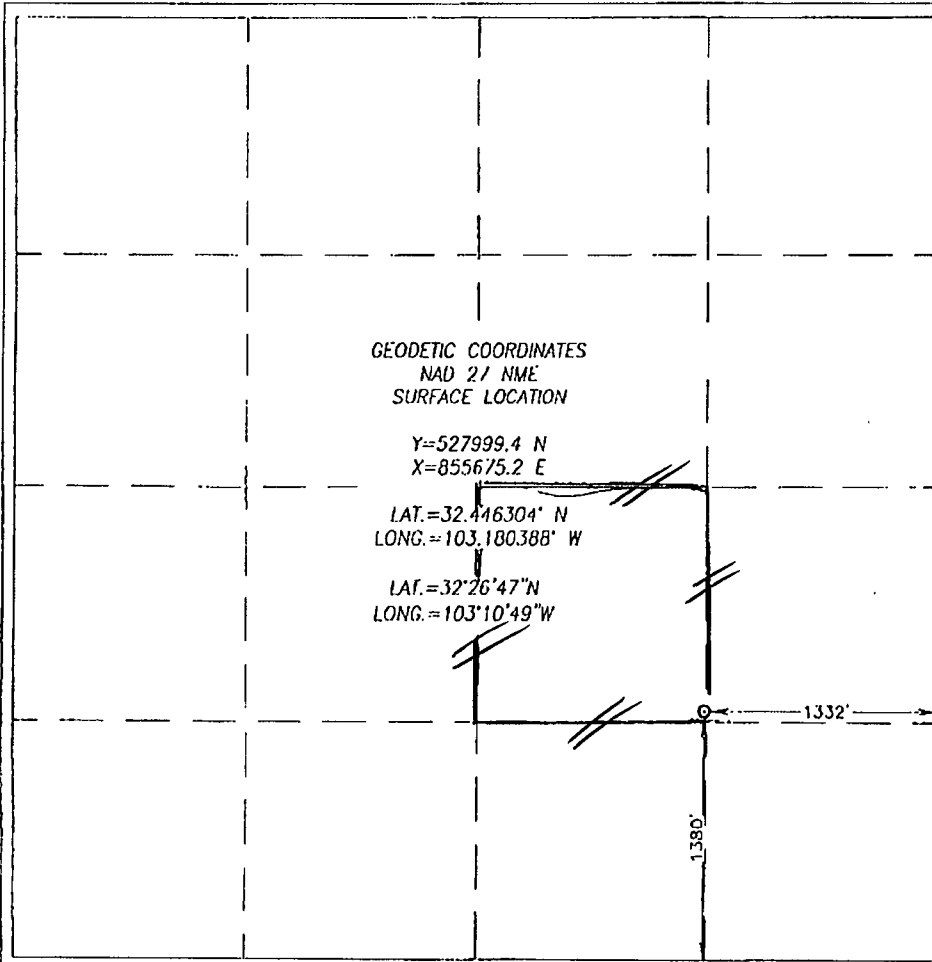
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	29	21-S	37-E		1380	SOUTH	1332	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No. NSL-6351						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Vicki Brown 3/31/11
Signature Date
Vicki Brown
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

DECEMBER 22, 2010
Date Surveyed DSS

Signature & Seal of Professional Surveyor
Cary G. Eidson 12/22/2010
10.11.1841

Certificate No. CARY G. EIDSON 12641
RONALD L. BIDSON 3239



HOBBS OCD

JUL 01 2011

RECEIVED

June 30, 2011

Mr. Paul Kautz
New Mexico Oil Conservation Division
1625 N French Drive
Hobbs, New Mexico 88240

RE: Application for Exception to Rule 303-C – Downhole Commingling
William Turner #13 API 30-025-40100
Unit J, Section 29, T21S, R37E
Blinebry Oil & Gas (Oil) 6660 & Tubb Oil & Gas (Oil) 60240
Lea County, New Mexico

Dear Mr. Kautz,

Enclosed please find form C-103 and attachments for downhole commingling the captioned well. The ownerships (WI, NRI and ORRI) of these pools are identical in this wellbore. The fluids from each of these pools are compatible as seen in other similar commingles in the area. Combining these fluids will not result in any damage to these pools. Commingling will improve the efficiency of present and future recovery operations. Cross flow will not be a problem due to having a production lift system capable of keeping the well pumped off thereby maximizing production. This commingling will not reduce the value of the total remaining production.

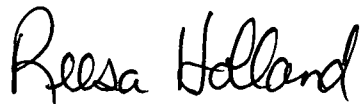
The allocation method used for this well was determined by analyzing the cumulative oil, gas and water production in a nine section area of review surrounding this well. Supporting documentation is shown on the attached spreadsheet. Production for active and inactive wells was grouped by pool in the area of review. The totals for each phase were then divided by the number of wells associated with this pool yielding an average. This average was used to determine the percentage allocation.

The main reason for using this method is based on economics and minimizing reservoir damage. Past completion practices had all three zones perforated and fracture stimulated during one full week. Each zone was isolated by a retrievable bridge plug to allow for production testing of each zone for allocation purposes. This testing period lasted as long as one month before a stabilized rate was observed thus allowing the next zone to be brought on and tested. During this time period the completion fluids used were still confined to the other reservoirs causing gel damage. It is a common practice to get these fluids out of the wellbore as soon as possible to help maximize productivity. On a cost basis it is more expensive to have a completion rig move in and out multiple times to bring on each new zone. Several other factors such as weather, other new completions and regulatory well work may interfere with these new wells.

The area of review used encompasses what has been accepted as a good statistical representation for allocation purposes. By using this allocation method all zones will be brought online in a more effective and efficient manner. This will in turn generate a higher productive rate and quicker revenue streams not only for the operator but for the State of New Mexico too.

If you need additional information or have any questions, please give me a call at (432) 818-1062.

Sincerely,

A handwritten signature in black ink that reads "Reesa Holland". The signature is written in a cursive, flowing style.

**Reesa Holland
Sr. Engineering Technician**

William Turner #13
 30-025-40100
 Apache Corp.

Lease Name	Well Number	10 Digit API	Location	Cum Oil (BBL)		Cum Gas (MCF)		Cum Water (BBL)	
				Blnebry Oil	ubb Oil	bry Gas	b Gas	ebry Water	bb Water
STATE DC	1	3002506663	19F 21S 37E	19110		443906		6726	
L G WARLICK A	1	3002506664	19I 21S 37E	57859		1406533		4627	
L G WARLICK	1	3002506665	19H 21S 37E	38616		160835		77411	
L G WARLICK A	2	3002506666	19J 21S 37E	12602		1680817		2284	
GRAHAM STATE NCT I	1	3002506668	19 21S 37E	11212		164308		102	
L G WARLICK	1	3002506669	19A 21S 37E	103044		1355617		284047	
STATE CK	2	3002506673	19K 21S 37E	231601		496831		261272	
HARDY	2	3002506674	19P 21S 37E	150908		2597958		3952	
HARDY	5	3002506677	19O 21S 37E	171286		3249432		22032	
J G RANDLE	1	3002506680	20G 21S 37E	19831		997603		33263	
J G RANDLE A	1	3002506681	20F 21S 37E	7713		772233		34	
C L HARDY	2	3002506685	20N 21S 37E SE SE SW	13667		256571		3752	
C L HARDY	3	3002506686	20K 21S 37E	40446		849029		115810	
C L HARDY	5	3002506687	20L 21S 37E C NW SW	127303		3642897		16105	
DAYTON HARDY	2	3002506688	20I 21S 37E	14660	4354	211089	60038	13046	9852
DAYTON HARDY	3	3002506689	20J 21S 37E C NW SE	14341		213482		7721	
D C HARDY	4	3002506691	20O 21S 37E S2 SW SE		19536		9227		30539
ELLIOTT B	1	3002506692	20D 21S 37E	18070		142127		8830	
J G RANDLE	1	3002506693	20E 21S 37E	27238		709893		8291	
D C HARDY	5	3002506694	20P 21S 37E NW SE SE	71277		5906079		12717	
ANDERSON	1	3002506695	21I 21S 37E	20525	11180	666487	1716739	325	789
ANDERSON	1	3002506696	21I 21S 37E C NE SE		11087		1515872		780
M E WANTZ	8	3002506697	21O 21S 37E	75344		4636146		68815	
M E WANTZ	4	3002506698	21J 21S 37E	20076	35400	283007	3660587	1193	1183
M E WANTZ	11	3002506702	21L 21S 37E	20672		3332945		1936	
M E WANTZ	9	3002506703	21J 21S 37E NW SE	554	33802	1459	3571340	912	1265
M E WANTZ	10	3002506704	21K 21S 37E	16059	24029	210036	1050685	28312	
C L HARDY	4	3002506705	20M 21S 37E C SW SW	57267		782080		36084	
M E WANTZ	1	3002506706	21N 21S 37E	50771		1579300		14321	
M E WANTZ	3	3002506707	21P 21S 37E	32314		113381		5781	
M E WANTZ	6	3002506709	21M 21S 37E	23116		105488		1660	
ELLIOTT A	1	3002506716	21A 21S 37E C NE NE	17587	5448	234367	85696	29498	15894
ELLIOTT A	2	3002506717	21H 21S 37E C SE NE	38466	33724	830859	2512828	51113	946
ELLIOTT A	3	3002506718	21A 21S 37E	145850		484116		21395	
ELLIOTT A	4	3002506719	21H 21S 37E	41040		89276		13215	
WEATHERLY	2	3002506720	21D 21S 37E	24298		691682		27280	
WEATHERLY	3	3002506721	21C 21S 37E	81945		4580430		44120	
WEATHERLY	4	3002506722	21B 21S 37E	117450		1332984		50704	
WEATHERLY	5	3002506723	21E 21S 37E	41285		722824		68348	
WEATHERLY	6	3002506724	21F 21S 37E	120456		1071207		70456	
WEATHERLY	7	3002506725	21G 21S 37E		1315		144933		2563
WEATHERLY E	1	3002506726	21G 21S 37E	145850	58350	4119972	7653840	2212	
UNIT	125	3002506813	28O 21S 37E	17127		1405139		59	
J N CARSON NCT A	10	3002506816	28J 21S 37E NW SE	29817		906636		8213	
UNIT	126	3002506831	28P 21S 37E		41810		4674523		1486
J N CARSON NCT C	6	3002506833	28P 21S 37E SW SE SE	23453		7417712		1027	
J N CARSON NCT C	9	3002506836	28I 21S 37E	32244		963577		19050	
UNIT	110	3002506841	28F 21S 37E	10693		2563254			
EUNICE KING	8	3002506844	28H 21S 37E C SE NE	66076	4156	1105326	35817	50154	2389
UNIT	111	3002506845	28G 21S 37E	80251		4678308		2654	
EUNICE KING	10	3002506846	28B 21S 37E C NW NE	51655		759740		15271	
EUNICE KING	13	3002506849	28A 21S 37E	97896	15927	2724094	5431132	41488	332
J N CARSON NCT A	9	3002506850	28K 21S 37E	12156	4750	6377905	3153602	1444	9211
EUNICE KING	14	3002506851	28G 21S 37E NW SW NE	18357	3820	263475	486470	12593	23814
EUNICE KING	15	3002506852	28F 21S 37E SE SE NW	45058		2739350		15538	
EUNICE KING	18	3002506855	28E 21S 37E		6239		942488		658
EUNICE KING	19	3002506856	28C 21S 37E C NE NW	141196		3473879		27964	
LINAM HARDY GAS COM	1	3002506859	29A 21S 37E SE NE NE	27106	15727	1712042	3288195	13791	831
UNIT	114	3002506861	28J 21S 37E		26982		1696615		254
UNIT	103	3002506862	28C 21S 37E		28458		4952056		
EUNICE KING	24	3002506864	28E 21S 37E	43032		1692461		9164	
EUNICE KING	104	3002506865	28D 21S 37E SE NW NW	126139	5670	1334760	350702	74309	11116
E O CARSON	17	3002506871	28N 21S 37E SE SW	4059	9403	1389473	1306555	4683	6554
E O CARSON	19	3002506873	28L 21S 37E	32744	18581	5090429	3600039	45568	7212
UNIT	117	3002506877	29I 21S 37E		20694		1954603		531
WM TURNER	3	3002506879	29I 21S 37E SE NE SE	40051	20554	3428395	1867881	6043	346
UNIT	122	3002506880	29P 21S 37E C SE SE		27491		2431548		1177
TURNER	3	3002506882	29P 21S 37E		9222	1955104	2161687	2251	321
UNIT	165	3002506885	29A 21S 37E C SE SW	14246		459862			

William Turner #13
 30-025-40100
 Apache Corp.

Lease Name	Well Number	10DIGITAL	Location	Cum Oil (BBL)		Cum Gas (MCF)		Cum Water (BBL)	
				Blnebr	Tubb	Blnebr	Tubb	Blnebr	Tubb
UNIT	164	3002506886	29M 21S 37E	22117		309129		5326	
UNIT	162	3002506888	29K 21S 37E		12191	1185513			
UNIT	158	3002506891	29E 21S 37E C NE NW	45719	309	2144399	5590	1222	
UNIT	159	3002506894	29D 21S 37E	31564		401612		167068	
D HARDY	3	3002506897	29H 21S 37E	61429		1417805		24936	
UNIT	119	3002506904	30I 21S 37E	28123		208191		228695	
V M HENDERSON	2	3002506908	30A 21S 37E C NE NE	148952		1878869		19174	
V M HENDERSON	3	3002506909	30H 21S 37E SE NE	10663		278295		16292	
V M HENDERSON	5	3002506911	30B 21S 37E C NW NE	7631		234616		5290	
V M HENDERSON	6	3002506912	30C 21S 37E	59299		3600790		18119	
V M HENDERSON	9	3002506915	30G 21S 37E		5064		12285		1864
UNIT	149	3002506936	32I 21S 37E		19503	1805259			
UNIT	153	3002506938	32P 21S 37E SE SE SE	11705		1512102		110	
UNIT	140	3002506939	32H 21S 37E SE SE NE			365433			
W T MCCOMACK	11	3002506940	32A 21S 37E NE NE	18872		182374		357521	
UNIT	132	3002506941	32D 21S 37E NE NW NE	15671		103123		3755	
UNIT	131	3002506942	32A 21S 37E		15962		3352335		4452
UNIT	150	3002506944	32E 21S 37E NW NW SE	19746		314189		6892	
UNIT	133	3002506948	32C 21S 37E		7012	539611			
DOWNES D	1	3002506954	32K 21S 37E	18757		580501		25911	
DOWNES D	2	3002506955	32L 21S 37E	25117	13768	298459	117591	426287	134234
DOWNES D	3	3002506956	32N 21S 37E	18419	5422	173611	1512822	91597	
STATE DB	1	3002506957	32F 21S 37E		12547		954332		3
J G HARE	1	3002506961	33N 21S 37E	681	2706	4891	105774	341	16507
J G HARE	4	3002506964	33N 21S 37E	60974		734826		19382	
J G HARE	5	3002506965	33K 21S 37E	15181		910762		170	
J G HARE	6	3002506966	33L 21S 37E	14917		171210		21716	
J G HARE	7	3002506967	33M 21S 37E	53559	26982	454052	3287668	46406	
UNIT	127	3002506970	33A 21S 37E	2361		1031509		2419	
J N CARSON NCT A	7	3002506973	33B 21S 37E	2564		415328		2580	
CARSON WATSON COM	2	3002506974	33H 21S 37E		7529		1909285		2113
CARSON WATSON COM	2	3002506975	33H 21S 37E	30705	7300	3356056	1596042	11278	1181
E O CARSON	5	3002506977	33G 21S 37E	9116		682978		44815	
UNIT	129	3002506979	33C 21S 37E		4409		311091		2071
UNIT	142	3002506980	33F 21S 37E	20131	30294	3337790	2669051		
E O CARSON	9	3002506981	33E 21S 37E	23360	10895	1326090	2044775	19971	4565
E O CARSON	10	3002506982	33F 21S 37E	17473		757648		15124	
CARSON WATSON COM	13	3002506984	33G 21S 37E SE SW NE		187		137850		287
E O CARSON	14	3002506985	33C 21S 37E	36644	329	2466800		21794	
E O CARSON	16	3002506987	33D 21S 37E	22836	25	803655	8106	31293	1500
H CORRIGAN	5	3002506992	33J 21S 37E	8366		293445		8215	
UNIT	156	3002506993	33O 21S 37E		5528		189384		8310
CORRIGAN GAS COM	7	3002506994	33P 21S 37E	22355	14443	2373502	3433748	8868	1331
W E LEE	5	3002509920	20B 21S 37E	89711		3420531		6542	
W E LEE	3	3002509922	20C 21S 37E		10052		98471		7520
A M YORK	2	3002509924	20A 21S 37E C NE NE	22661	30845	492460	200056	11617	17429
A M YORK	1	3002509925	20H 21S 37E SE NE	4776	2378	223148	616172		13031
UNIT	163	3002509935	29L 21S 37E NW NW SW	60392		1478184		4081	
W E LEE	2	3002511520	20B 21S 37E		34613		353992		7092
GULF MATTERN	1	3002520004	30J 21S 37E	44268	495	799280	6306	37834	1216
L G WARLICK B	2	3002520368	19G 21S 37E	36258		892406		27233	
STATE CK	3	3002520540	19N 21S 37E	36129		2373522		36075	
STATE DC	2	3002520583	19 21S 37E	23526		529399		29933	
SUNSHINE STATE	1	3002520776	19C 21S 37E	17312		366962		8571	
L G WARLICK	2	3002520777	19B 21S 37E	50508		942123		89260	
W T MCCOMACK	17	3002523117	32I 21S 37E SW NE SE	22087	6624	215861	593771	75535	3170
MATTERN	1	3002523494	30 21S 37E S2 NW SW	117311		757018		1154560	
MATTERN	2	3002523535	30K 21S 37E	79753		408419		256584	
H T MATTERN NCT B	14	3002524022	30M 21S 37E C SW SW	34695		375994		148276	
H T MATTERN NCT B	15	3002524084	30N 21S 37E	78262		673003		1226454	
H T MATTERN NCT B	16	3002524120	31D 21S 37E	44430		366331		160024	
H T MATTERN NCT B	17	3002524156	31C 21S 37E	22334		539069		5225	
H T MATTERN NCT B	18	3002524187	30O 21S 37E	59226		335004		32238	
UNIT	161	3002524415	29F 21S 37E SE NW	27964	808	538045	76080	202335	3771
DOWNES D	4	3002524568	32M 21S 37E E2 SW SW	23617	9796	180063	78148	157809	31935
JOYCE PRUITT	2	3002524753	31J 21S 37E	59589	3775	479585	10698	69669	8134
H T MATTERN NCT B	19	3002524968	31 21S 37E N2 SW NW		8147		34248		18037
GILL DEEP	1	3002525030	31 21S 37E	61968	384	410302	1478	286620	998
GILL DEEP	2	3002525118	31 21S 37E	32029		542433		176185	
GILL DEEP	3	3002525119	31N 21S 37E	22366		200100		229874	

William Turner #13
 30-025-40100
 Apache Corp.

Lease Name	Well Number	10DIGITAPI	Location	Cum Oil (BBL)		Cum Gas (MCF)		Cum Water (BBL)	
				Blinebry	Tubb	Blinebry	Tubb	Blinebry	Tubb
H T MATTERN NCT B	20	3002525129	31F 21S 37E W2 SE NW	36086		275055		276541	
GILL DEEP	4	3002525208	31K 21S 37E	23800		144474		184832	
H T MATTERN NCT B	22	3002525246	31B 21S 37E	162971		857797		1803905	
JOYCE PRUITT	3	3002525353	31P 21S 37E SE SE	37884	12018	408511	75767	52752	36577
W T MCCOMACK	18	3002526447	32B 21S 37E		9153		225621		99065
WILLIAM TURNER	4	3002527261	29J 21S 37E	19581		190351		13090	
CORDELIA HARDY	8	3002528900	29C 21S 37E	26164		1106418		56119	
H T MATTERN NCT B	25	3002530047	31G 21S 37E NW SW NE	5858		71551		89125	
V M HENDERSON	15	3002533328	30G 21S 37E NE SW NE	8685		322065		6375	
MATTERN	4	3002533544	30J 21S 37E	3789		20504		124049	
JOYCE PRUITT	4	3002534074	31O 21S 37E	55284		288348		72886	
JOYCE PRUITT	5	3002534078	31I 21S 37E NE NE SE	48855	3576	282059	39610	65028	7300
E O CARSON	24	3002534353	28M 21S 37E SW SW	19474		536785		29705	
LINAM HARDY GAS COM	2	3002534355	29H 21S 37E SE NE	7603		158092		16622	
STATE DC	3	3002534401	19F 21S 37E NE SE NW	4152		56562		30785	
STATE DC	4	3002534510	19 21S 37E	2134		733		28842	
W T MCCOMACK	19	3002534669	32P 21S 37E SE SE		2012		908694		5801
STATE CK	4	3002534776	19K 21S 37E SW NE SW	45323		345350		203744	
STATE DB	3	3002535522	32E 21S 37E NW SW NW	19864	1673	140968	7348	405064	48392
W H TURNER	3	3002537161	29K 21S 37E NE NE SW	13321	1834	455634	167239	59602	9665
H S TURNER	8	3002537873	29M 21S 37E NW SW SW		13641		189328		152171
D C HARDY	9	3002538004	20O 21S 37E	2066	2065	43970	7056	1040	
W H TURNER	9	3002538126	29L 21S 37E SE NW SW	9462	8614	388187	86209	101342	118409
H S TURNER	10	3002538296	29N 21S 37E NE SE SW	6297	6523	67969	72583	58506	60770
GILL DEEP	6	3002538684	31K 21S 37E SE NW SW	5364	3331	43453	7673	41330	3364
E O CARSON	27	3002539024	33F 21S 37E SW SE NW		2848		196282		47088
D C HARDY	10	3002539342	20P 21S 37E SE SE SE		205		14798		375
D C HARDY	11	3002539637	20P 21S 37E		143		7145		581
J G HARE	18	3002539688	33N 21S 37E	3928	1174	27102	29361	6194	1008
TURNER	7	3002539691	29O 21S 37E	1316	312	58693	34281		
TOTALS				5,689,727	894,958	160,520,120	89,632,225	11,583,545	1,011,360
AVERAGES				40,641	11,933	1,138,441	1,211,246	85,804	16,312

Proposed Allocations	Oil	Gas	Water
Blinebry	77%	48%	84%
Tubb	23%	52%	16%
TOTAL	100%	100%	100%

AFE No: PA- 11- 0253

William Turner #13
API #: 30-025-40100
1380' FSL & 1332' FEL
Section 29, Township 21S, Range 37E
Lea County, New Mexico

Completion Procedure – Blinebry - Tubb

13 June 2011

Recommended Procedure:

Note: 5-1/2", 17#, J-55 & L-80 csg set @ 6555' w/280 sx cmt. (Circ).
DV tool @ +/-4952' w/1,065 sx cmt. (Circ).
(1,026' of L-80 csg on top)

Tubb:

1. MIRU PU. Install BOP.
2. RIH w/4-3/4" bit & 2-7/8" tbg. Drill out DV tool @ +/-4952'. Clean well out to PBTD @ +/-6510'. Pressure test csg. POOH.
3. MIRU wireline truck. Run GR/CCL/CBL log from PBTD +/- 6510' to surface. Correlate to Weatherford Compensated Neutron/Compensated Photo Density/Spectral Gamma Ray log dated 6/8/11.
4. Perforate the Tubb formation @ 6043', 45', 49', 51', 91', 95', 99', 6103', 11', 15', 19', 23', 27', 37', 39', 41', 43', 49', 55', 61', 63', 69', 71', 76', 85', 87', 95', 97', 99', 6201', 03', 10', 14', 17', 27', 31', 37', 45', 47' & 66' w/1 spf, 120 deg phasing. Total = 40 shots.
5. RIH 2-7/8" tbg and pkr. Set pkr @ +/- 5950'.
6. Acidize Tubb interval with 3,500 gals 15% HCL-NE-FE BX DX acid and ball sealers.
7. Release pkr & run through perfs to knock off balls. POOH.
8. RU frac equipment. Pump 1 drum of corrosion inhibitor followed by 10 bbls of 2% KCL spacer. Pump 2 drums scale inhibitor and flush w/10 bbls of 2% spacer.
9. Frac the Tubb interval w/150,000# 20/40 resin coated sand (SLC or SB Exel) down 5-1/2" csg @ 40 BPM in 25# XL gel as per frac recommendation.
10. Spot 1,000 gals 15% HCL across Blinebry interval 5750' – 4750' during Tubb frac flush.
11. RIH and set composite bridge plug above the Tubb interval @ +/- 5900'.

Blinebry:

1. Perforate the Blinebry formation @ 5493', 95', 5501', 10', 14', 18', 29', 35', 37', 44', 57', 59', 61', 67', 74', 78', 87', 91', 93', 5600', 13', 29', 36', 41', 57', 76', 94', 5724', 45' & 57' w/2 spf, 120 deg phasing. Total 60 shots.
2. Acidize the Blinebry interval w/2,500 gals 15% HCL and ball sealers.
3. RIH w/junk basket and gauge ring and run through perfs to knock off balls. POOH.
4. RU frac equipment. Pump 1 drum of corrosion inhibitor followed by 10 bbls of 2% KCL spacer. Pump 2 drums scale inhibitor and flush w/10 bbls 2% KCL spacer.
5. Frac the Blinebry interval w/80,000# 20/40 resin coated sand (SLC or SB Exel) down 5-1/2" csg @ 40 BPM in 25# XL gel as per frac recommendation.

Wm Turner #13

6. RIH w/2-7/8" tbg and bit. Drill out CBP and clean well out to +/- 6510' PBTD.
7. RIH w/2-7/8" production tubing. Land SN @ +/-6300'. RIH w/1-1/2" pump & rods.
8. Install 640 PU.
9. Place well in test.

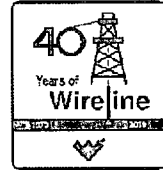
Marked



Weatherford

**COMPENSATED NEUTRON
COMPENSATED PHOTO DENSITY
SPECTRAL GAMMA RAY**

COMPANY **APACHE CORP.**
 WELL **WILLIAM TURNER No. 13 HOBBS OCD**
 FIELD **EUNICE AREA**
 PROVINCE/COUNTY **LEA** JUL 01 2011
 COUNTRY/STATE **U.S.A. / NEW MEXICO**
 LOCATION **1380' FSL & 1332' FEL**
SEC. 29. T-21S, R-37E



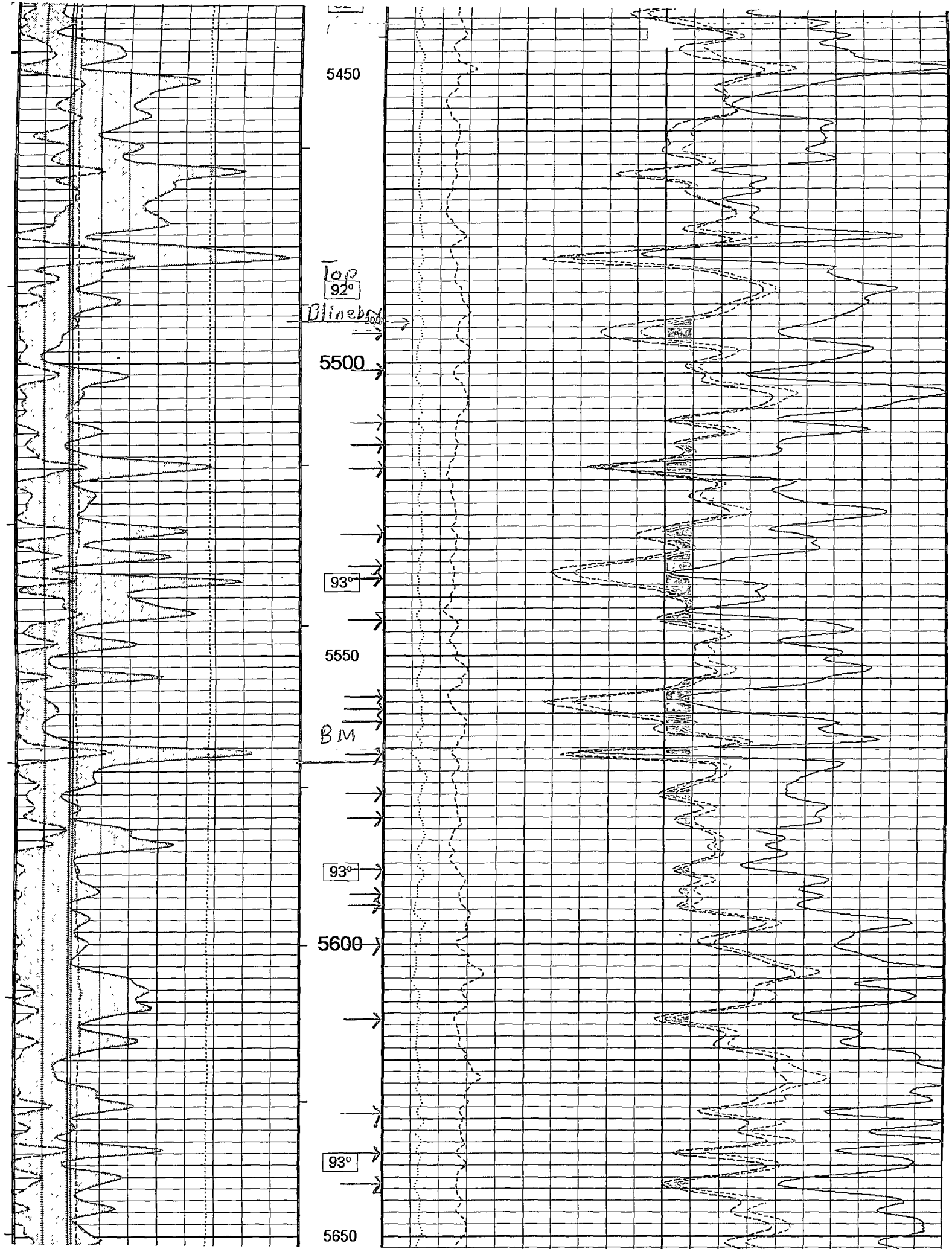
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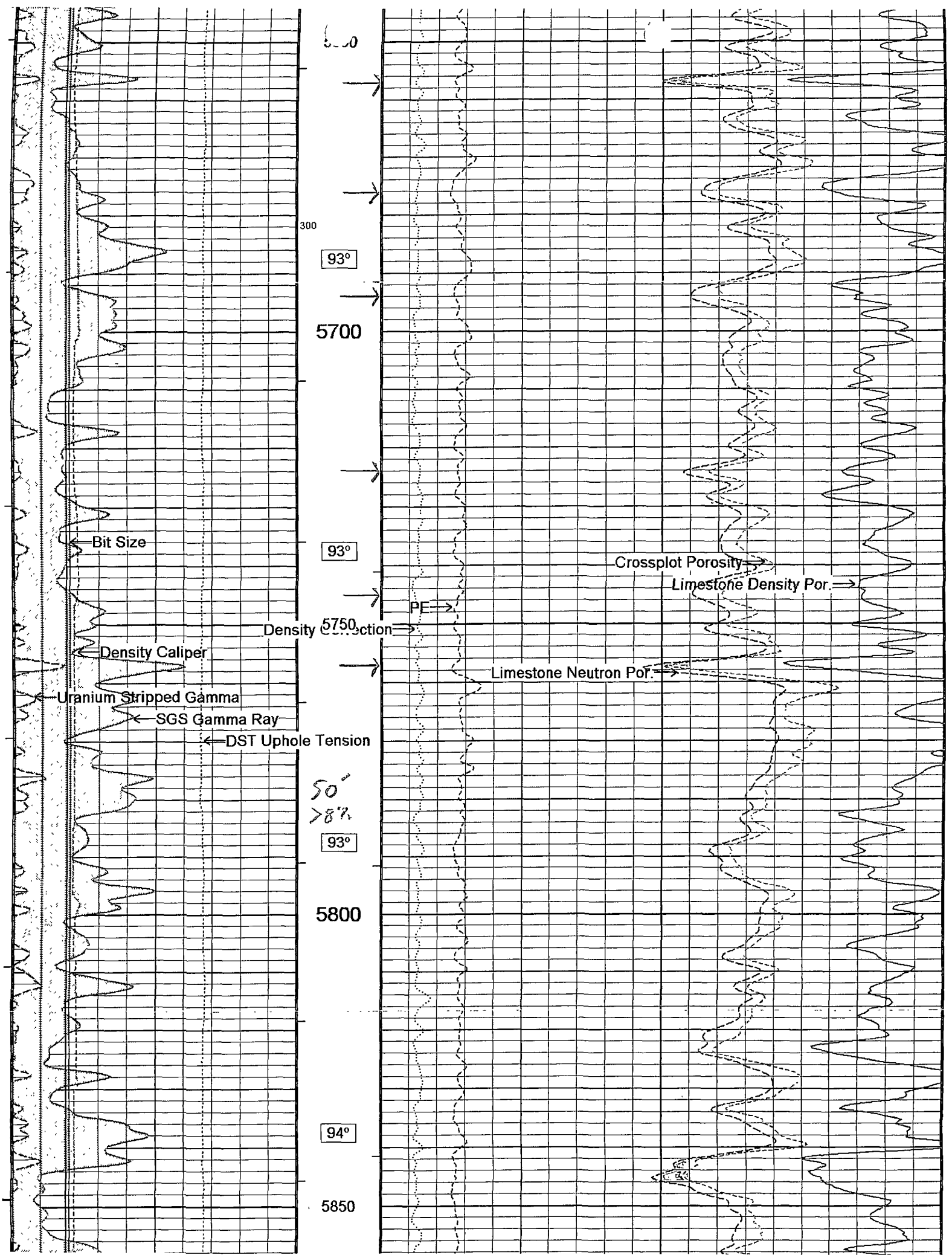
SEC 20	TWP 21S	RGE 37E	Other Services DUAL LATEROLOG	COMPENSATED SONIC
API Number 30-025-40100		MICRO LATEROLOG		
Permit Number		SPECTRAL GAMMA RAY		

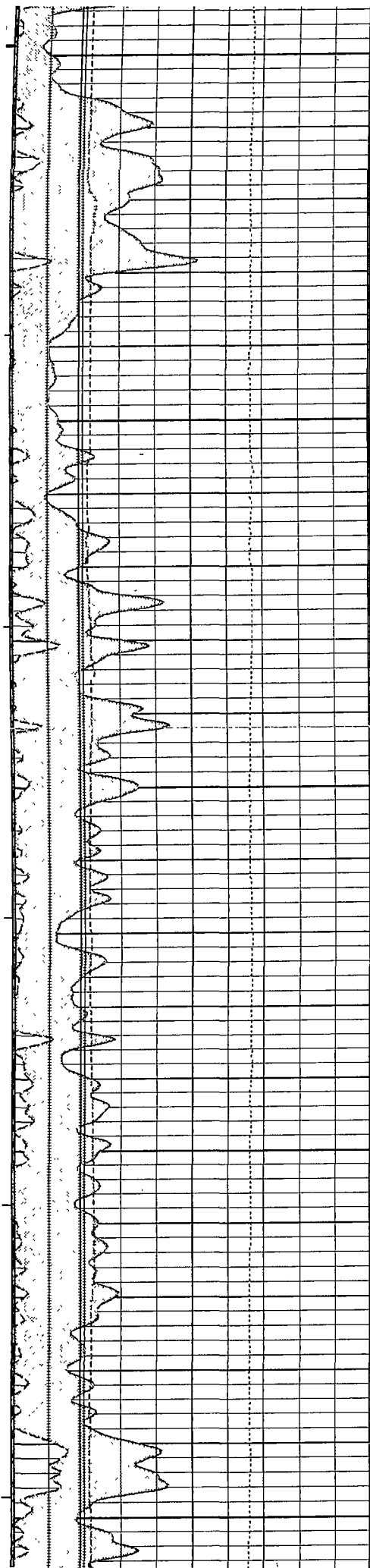
Permanent Datum G.L., Elevation 3469 feet
 Log Measured From K.B. @ 11 FEET above Permanent Datum
 Drilling Measured From K.B.

Elevations:	feet
KB	3480.00
DF	3479.00
GL	3469.00

Date	08-JUN-2011	
Run Number	ONE	
Depth Driller	6555.00	feet
Depth Logger	6534.00	feet
First Reading	6497.00	
Last Reading	150.00	
Casing Driller	1253.00	feet
Casing Logger	1260.00	feet
Bit Size	7.875	inches
Hole Fluid Type	BRINE	
Density / Viscosity	10.00 lb/USg	9.00 sec/qt
PH / Fluid Loss	29.00	100.00 ml/30Min
Sample Source	FLOWLINE	
Rm @ Measured Temp	0.048 @ 75.0	ohm-m
Rmf @ Measured Temp	0.036 @ 75.0	ohm-m
Rmc @ Measured Temp	0.06 @ 75.0	ohm-m
Source Rmf / Rmc	CALC	CALC
Rm @ BHT	0.037 @ 99.0	ohm-m
Time Since Circulation	6 HOURS	
Max Recorded Temp	99.00	deg F
Equipment Name	COMPACT	
Equipment / Base	13270	ODESSA
Recorded By	JAVIER OJEDA	
Witnessed By	LARRY BROOKER	
SO#	3530671	







5000

94°

5900

94°

5950

200

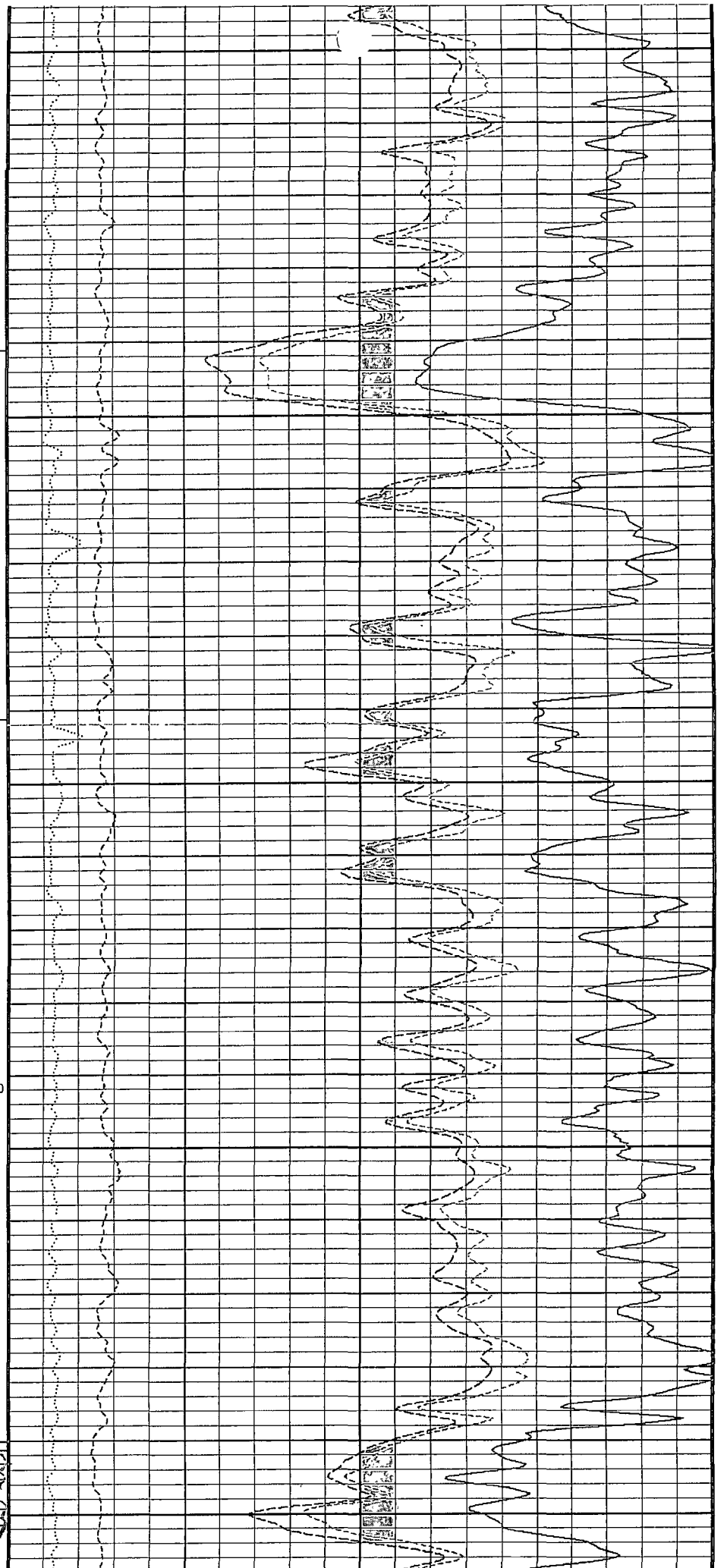
94°

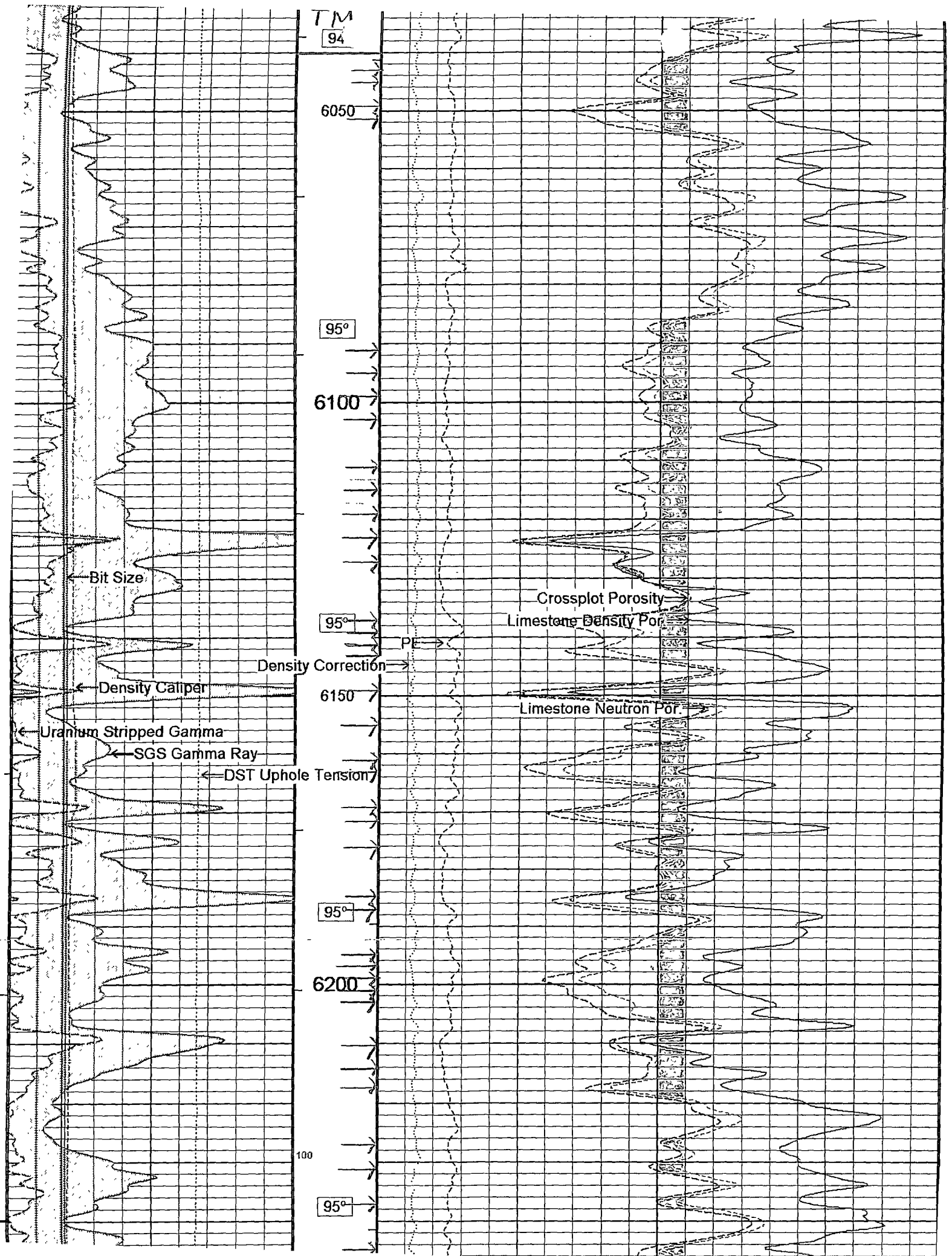
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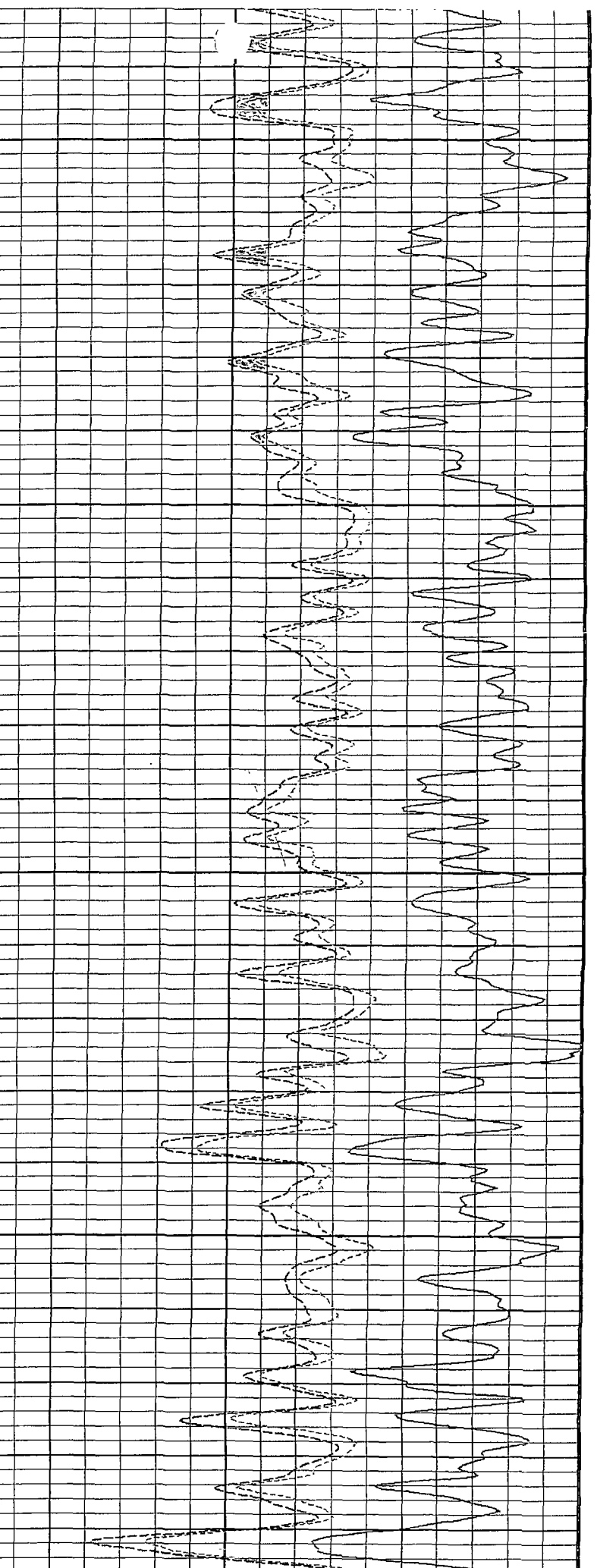
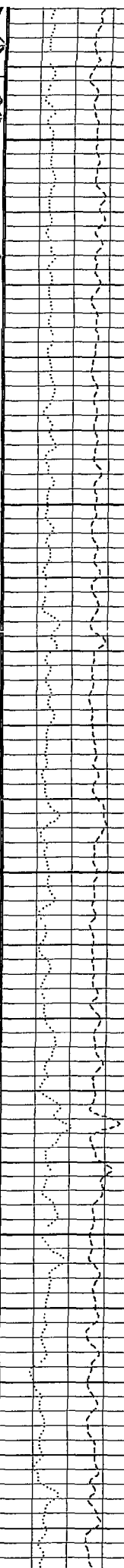
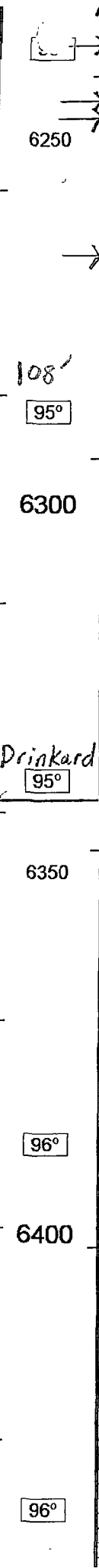
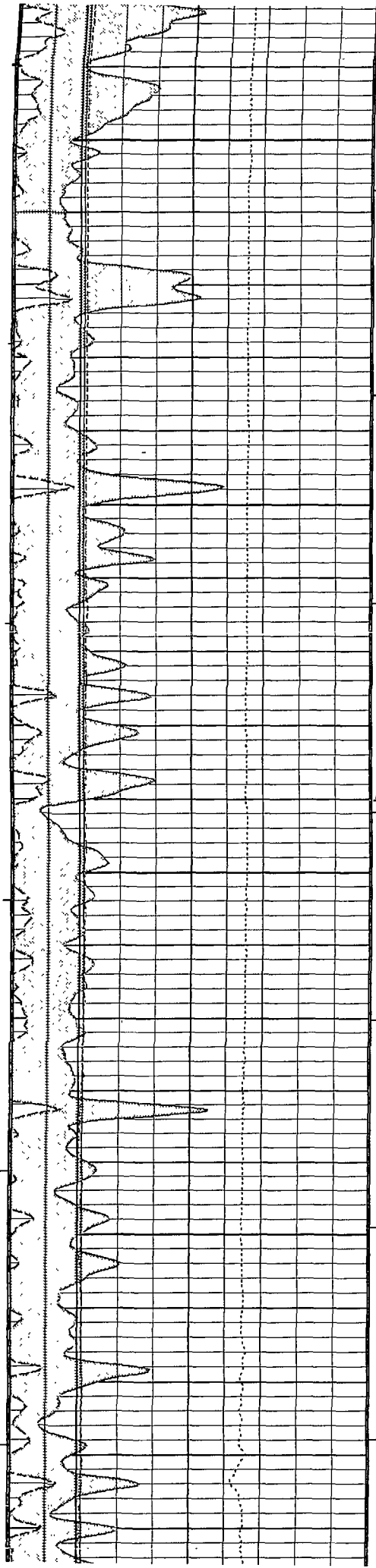
6000

TM
94°

6050







6250

6250

108'

95°

6300

Drinkard

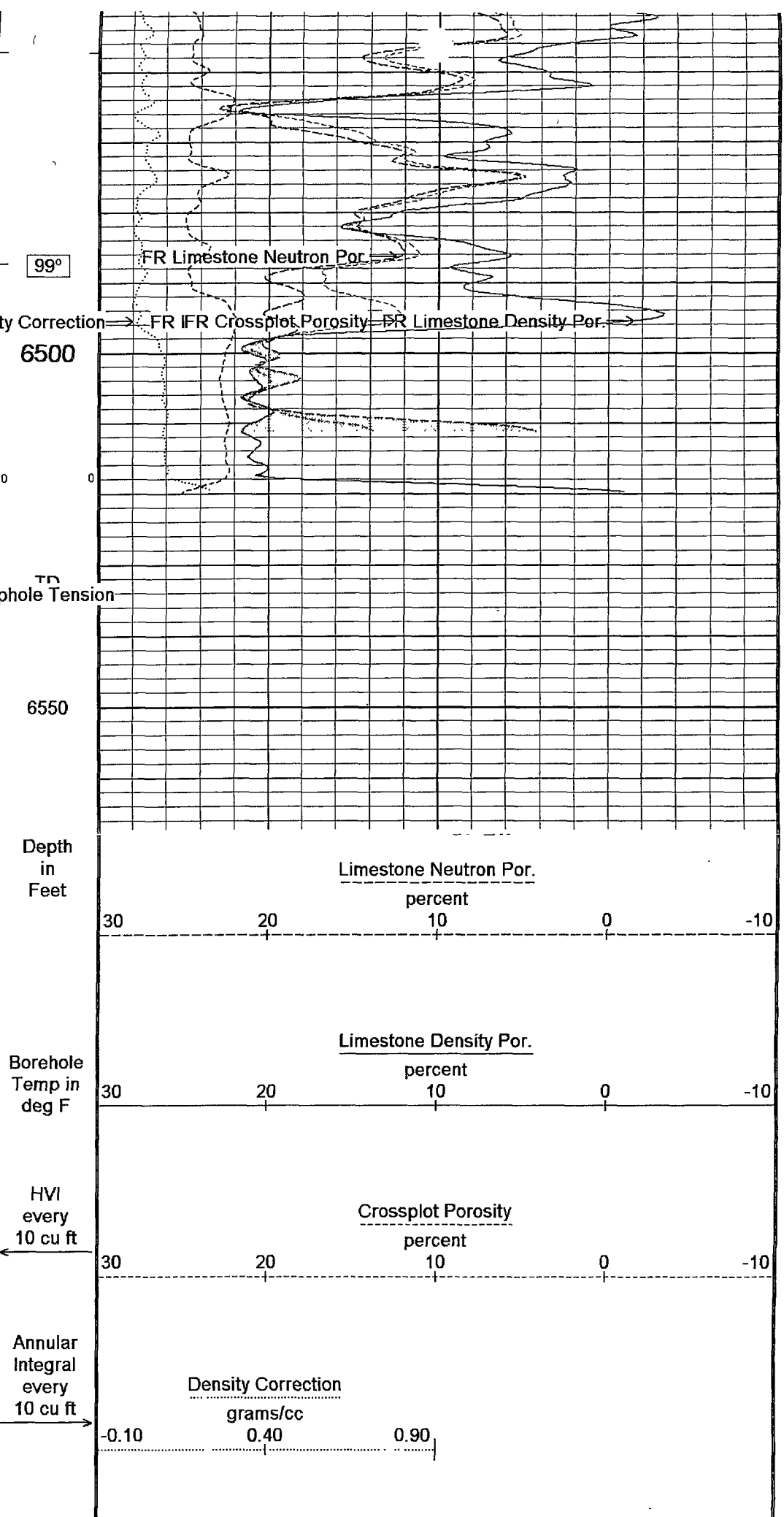
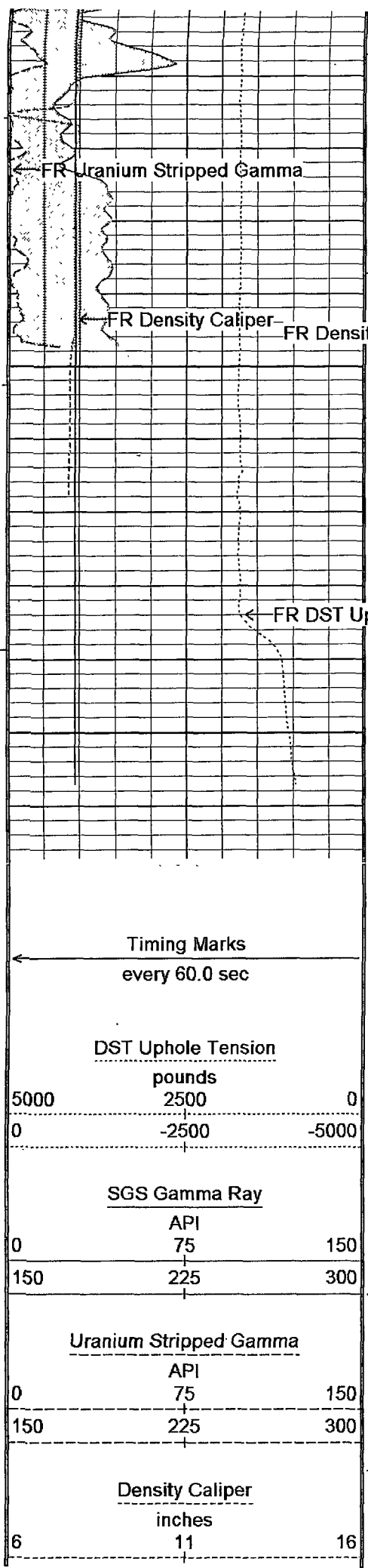
95°

6350

96°

6400

96°



99°

6500

6550

Depth in Feet

Borehole Temp in deg F

HVI every 10 cu ft

Annular Integral every 10 cu ft

6 11 16

30 20 10 0 -10

30 20 10 0 -10

30 20 10 0 -10

-0.10 0.40 0.90