A SOUTH — **A'** NORTH

55	59	—	41	53	50	45	40	39	46	47	33	61	21	9
KASH OIL & GAS *HARTWELL No. 1* SEC. 5, T 12 S - R 2 W SN: 218226	MAGNOLIA PETR. CO. *HARTWELL No. 2* SEC. 5, T 12 S - R 2 W SN: 28886	MAGNOLIA PETR. CO. *MANCEAUX No. 1* SEC. 8, T 12 S - R 2 W SN: 30602	MAGNOLIA PETR. CO. *CORMIER No. 3* SEC. 5, T 12 S - R 2 W SN: 29979	PURE OIL CO. *FERGUSON BENOIT UNIT No. 2* SEC. 5, T 12 S - R 2 W SN: 29888	MOBIL OIL CORP. *HARTWELL No. 3 & 3-D* SEC. 5, T 12 S - R 2 W SN: 143565 (#3) 144515 (#3-D)	MOBIL OIL CORP. *FERGUSON No. 10 (8)* SEC. 5, T 12 S - R 2 W SN: 215091 (159108)	MAGNOLIA PETR. CO. *FERGUSON No. 6* SEC. 5, T 12 S - R 2 W SN: 28161	GREAT SOUTHERN *FERGUSON No. 1* SEC. 5, T 12 S - R 2 W SN: 172686	MOBIL OIL CO. *FERGUSON No. 9* SEC. 5, T 12 S - R 2 W SN: 202978	MAGNOLIA PETR. CO. *REESE No. B-2* SEC. 5, T 12 S - R 2 W SN: 21522	MAGNOLIA PETR. CO. *REESE No. B-1* SEC. 5, T 12 S - R 2 W SN: 27803	MAGNOLIA PETR. CO. *REESE C No. 5 & 5-D* SEC. 4, T 12 S - R 2 W SN: 68208 (#5), 69440 (#5-D)	PURE OIL CO. *VERMILION IRR. No. 2 & 2-D* SEC. 41, T 12 S - R 2 W SN: 27180 (#2), 80220 (#2-D)	GREAT SOUTHERN *VERMILION IRR. No. 6* SEC. 32, T 12 S - R 2 W SN: 183617

DATUM

TOP OF ZONE

6530' SD.

6980' SD.
Order 52-T
Top 6980'
Base 7050'

Active Prod.
6700' Sand
Perfs. 6694-6700'
Lease Basis Prod.

TD 7,231'

7850' SAND

8500' SAND

9100' SD.
Order 52-O Top 9100'
Base 9120'

9600' SD. RB
Order 52-X-1 Top 9600'
Base 9640'

9700' SD.
Order 52-K Top 9762'
Base 9782'

HOUSSIERE SAND

9600' SAND

9700' SAND

9800' SAND

9900' SAND

MANCEAUX SAND (UNIT TERM.)

MANCEAUX SD.
Fault Block: Hwy
Top: 10019'
Base: 10059'
Order: 52-B
Eff. 2/1/60

SUB-ALL SD. RA
Top: 11100'
Order: 52-F
Base: 11130'

SUB-ALL SD. RB
Order 52-F-1 Top: 10940'
Base: 10960'

ALLIANCE SD.

SUB-ALLIANCE SD.

BASE SUB-ALLIANCE SD.

Active Prod.
9800' Sand
Perfs. 9860-9870'
Lease Basis Prod.

9800' SD.
Order 52-Q-1
Base 9930'

8500' SD.
Order 52-Y Top 8474'
Base 8490'

Circa Late 1990's
Unsucc. Recomp.
Possible Sand
Obstruction in Tubing
Details to Follow
Subject to Change

9650' SD.
Order 52-E Top 9534'
Base 9548'

10000' SD.
Order 52-C Top 10042'
Base 10063'

6530' SD.
Order 52-S Top 6530'
Base 6577'

SUB ALL 2 SD.
Order 52-AA

TD 11,330'

TD 10,838'

TD 10772'

TD 12,767'

TD 17,400'/11,150'

TD 10,902'

TD 10,580'

TD 10,866'

TD 10,804'

TD 11,000'

TD 10,800'

TD 15,442'

TD 11,530'

TD 11,860'

Estimated Date	Perforations		Sand
September 20, 1995	10,510	10,530	L Mulvey
September 25, 1995	9,758	9,762	9,800'
June 18, 1996	5,518	5,525	Hartwell B
August 29, 1996	9,479	9,488	9,550'
November 24, 1996	9,482	9,488	9,550'
September 11, 1997	9,440	9,460	L Houssiere
October 3, 1997	9,440	9,460	9,500'
December 1, 1997	5,532	5,775	Hartwell B
January 5, 1998	9,217	9,225	9,200'
January 29, 1998	8,423	8,425	
	8,570	8,572	
January 26, 1998	8,398	8,405	8'400'
September 17, 1999	8,514	8,578	L 8,500'

Estimated Date	Perforations		Sand
February 19, 1944	9,825	9,827	
March 3, 1944	9,691	9,805	9,000'
May 29, 1973	8,325	8,331	8,300'
October 11, 1973	9,251	9,258	9,200'
June 1, 1982	8,290	8,300	8,300'
June 15, 1995	9,460	9,466	9,600' T
July 1, 1982	8,253	8,257	8,250'
October 28, 1916	9,202	9,212	9,200'
August 3, 1978	5,068	5,088	5,100'
February 16, 1944	9,598	9,602	9,600'
February 23, 1944	9,588	9,590	
March 9, 1944	9,605	9,633	9,600'
March 13, 1944	9,616	9,633	9,600'
April 1, 1944	9,624	9,627	9,600'
May 28, 1973	8,255	8,333	
May 29, 1973	8,208	8,210	
May 29, 1973	8,295	8,388	
August 29, 1975	9,272	9,290	9'9,300'
August 29, 1975	9,291	9,298	9,300'

Estimated Date	Perforations		Sand
September 13, 1945	10,776	10,780	Alliance
September 13, 1945	10,785	10,792	
January 8, 1946	10,449	10,453	Mulvey
January 8, 1946	10,785	10,789	Alliance
February 28, 1949	10,050	10,051	10,000'
	10,051	10,053	10,000'
March 29, 1960	9,944	9,950	9,900'

Estimated Date	Perforations		Sand
March 15, 1945	10,757	10,796	Alliance
March 15, 1945	10,861	10,908	
	10,768	10,774	Alliance
June 12, 1950	10,526	33,535	Sub-Alliance
June 14, 1950	11,676	11,682	Zwan
June 15, 1950	11,676	11,682	Zwan
June 16, 1950	11,496	11,452	Sub Perf.
June 18, 1950	11,509	11,520	Sub-Alliance
June 18, 1950	11,514	11,526	Sub-Alliance

Estimated Date	Perforations		Sand
January 6, 1945	10,060	10,070	10,000'
January 6, 1945	10,062	10,068	
January 6, 1945	10,080	10,082	
January 1, 1946	9,651	9,657	Ferguson L
January 1, 1960	9,599	9,603	Ferguson L
May 5, 1960	9,598	9,602	Ferguson L
May 25, 1966	9,748	9,790	
May 30, 1966	9,799	9,803	9,800'
November 15, 1966	9,754	9,758	9,700'
April 12, 1972	9,312	9,314	
April 13, 1972	9,312	9,314	
April 29, 1972	9,227	9,227	9,200'
May 28, 1973	10,728	10,736	Alliance
June 5, 1973	10,678	10,692	Alliance

Estimated Date	Perforations		Sand
November 6, 1992	10,666	10,676	Alliance
February 5, 1995	9,506	9,516	U Hartwell B
October 6, 1997	9,530	9,590	L 9,500'
December 1, 1997	6,694	6,700	6,700'

Estimated Date	Perforations		Sand
August 30, 1943	10,445	10,457	
August 30, 1943	10,449	10,453	Mulvey
August 30, 1943	10,450	10,455	Mulvey
April 10, 1946	9,634	9,636	9,600'
April 10, 1946	10,422	10,426	Mulvey
April 10, 1946	9,648	9,650	
April 10, 1946	9,646	9,648	
April 10, 1946	9,626	9,630	9,600'
August 15, 1946	10,750	10,754	Alliance
August 15, 1946	10,750	10,752	Alliance
October 3, 1969	10,004	10,020	10,000'
August 13, 1991	9,756	9,770	9,700'
1965	9,599	9,605	9,600'
April 20, 2000	9,560	9,570	Ferguson S
	10,488	10,825	Mulvey
August 22, 1943	10,750	10,757	
May 7, 1976	10,752	10,757	Alliance
March 30, 1976	10,757	10,799	
March 30, 1976	10,157	10,514	
December 4, 1980	10,450	10,472	
December 4, 1980	10,472	10,475	
June 23, 1991	10,494	10,500	Mulvey
June 24, 1991	10,532	10,540	Mulvey
June 21, 1991	10,042	10,050	10,000'
March 09, 2000	9,574	9,578	Hartwell B

Estimated Date	Perforations		Sand
January 15, 1991	9,990	9,994	9,900'
January 15, 1991	9,990	9,994	9,900'
7	9,990	9,994	
April 13, 1984	6,868	6,852	6,800'
June 3, 1984	6,758	6,756	6,700'
September 20, 1984	6,670	6,676	6,680'
January 23, 1992	6,534	6,538	L 6,530'
January 23, 1992	6,534	6,538	6,530'
July 21, 1992	6,540	6,545	L 6,530'

Estimated Date	Perforations		Sand
February 24, 1996	9,785	9,800	9,800'
October 1, 1990	9,790	9,800	9,800'
7	9,790	9,800	
August 16, 1991	9,550	9,554	
August 24, 1991	9,567	9,573	Ferguson S
October 29, 1991	9,603	9,606	9,600'
June 16, 1995	9,550	9,558	9,550'
June 16, 1996	9,964	9,974	9,530'
October 4, 1996	9,730	9,784	9,800'
March 15, 2000	8,070	8,074	8,000'

Estimated Date	Perforations		Sand
February 1, 1977	9,740	9,800	Alliance
February 1, 1977	9,482	9,584	
February 1, 1977	9,576	9,576	Ferguson S
7	10,790	10,793	
7	10,753	10,756	Alliance
May 20, 1943	10,963	10,966	Mulvey
May 20, 1943	10,969	10,972	Mulvey
May 20, 1943	10,987	10,994	Mulvey
7	10,970	10,973	Mulvey
7	9,773	9,779	U 9,800'
7	10,070	10,071	10,000'
7	10,093	10,093	
February 1, 1957	8,764	8,770	8,800'
July 8, 1987	8,474	8,480	8,500'

Estimated Date	Perforations		Sand
January 25, 1943	10,083	10,085	
January 25, 1943	10,054	10,058	
January 25, 1943	10,068	10,072	10,000'
September 23, 1950	9,532	9,631	Ferguson S
October 11, 1950	9,622	9,624	Ferguson S
October 11, 1950	9,698	9,716	Ferguson S
August 5, 1972	9,532	9,535	U Hartwell B
August 5, 1972	9,532	9,535	U Hartwell B
August 5, 1972	10,022	10,032	9,900'
	10,004	10,015	9,900'
January 13, 1943	1,000	10,017	U 10,000'

Estimated Date	Perforations		Sand
May 15, 1942	10,802	10,806	
May 15, 1942	10,792	10,797	Alliance
May 15, 1942	10,783	10,793	Alliance
July 8, 1960	9,562	9,573	9,500'
July 8, 1960	9,514	9,583	9,500'
May 17, 1979	9,430	9,434	
May 17, 1979	9,430	9,431	
May 22, 1979	8,386	8,392	
May 22, 1979	8,731	8,737	
May 23, 1979	8,692	8,693	
June 22, 1979	8,535	8,539	8,530'

Estimated Date	Perforations		Sand
February 13, 1985	13,960	13,965	
February 23, 1983	13,370	13,372	
March 3, 1983	13,886	13,891	7
April 1, 1983	13,534	13,539	Sub-Alliance

Estimated Date	Perforations		Sand
September 13, 1945	10,776	10,780	Alliance
September 13, 1945	10,785	10,792	
January 8, 1946	10,449	10,453	Mulvey
January 8, 1946	10,785	10,789	Alliance
February 28, 1949	10,050	10,051	10,000'
	10,051	10,053	10,000'
March 29, 1960	9,944	9,950	9,900'

Estimated Date	Perforations		Sand
March 15, 1945	10,757	10,796	Alliance
March 15, 1945	10,861	10,908	
	10,768	10,774	Alliance
June 12, 1950	10,526	33,535	Sub-Alliance
June 14, 1950	11,676	11,682	Zwan
June 15, 1950	11,676	11,682	Zwan
June 16, 1950	11,496	11,452	Sub Perf.
June 18, 1950	11,509	11,520	Sub-Alliance
June 18, 1950	11,514	11,526	Sub-Alliance

Estimated Date	Perforations		Sand
January 6, 1945	10,060	10,070	10,000'
January 6, 1945	10,062	10,068	
January 6, 1945	10,080	10,082	
January 1, 1946	9,651	9,657	Ferguson L
January 1, 1960	9,599	9,603	Ferguson L
May 5, 1960	9,598	9,602	Ferguson L
May 25, 1966	9,748	9,790	
May 30, 1966	9,799	9,803	9,800'
November 15, 1966	9,754	9,758	9,700'
April 12, 1972	9,312	9,314	
April 13, 1972	9,312	9,314	
April 29, 1972	9,227	9,227	9,200'
May 28, 1973	10,728	10,736	Alliance
June 5, 1973	10,678	10,692	Alliance

#3

Estimated Date	Perforations		Sand
December 11, 1973	11,011	11,043	
December 11, 1973	10,980	11,034	
December 12, 1973	9,772	9,774	
December 12, 1973	9,772	9,774	
December 12, 1973	9,718	9,726	9,800'
December 26, 1973	9,738	9,749	9,800'
March 26, 1982	10,346	10,348	Mulvey
March 26, 1982	10,358	10,368	Mulvey
7	10,862	10,885	10,550'
June 7, 1996	9,608	9,650	
June 7, 1996	9,608	9,650	
June 25, 1996	9,592	9,598	9,600'
April 2, 1996	3,998	4,008	
May 1, 1996	3,910	3,980	

#3-D

Estimated Date	Perforations		Sand
December 11, 1973	11,032	11,034	
December 12, 1973	9,772	9,774	
December 12, 1973	9,720	9,722	
December 12, 1973	9,718	9,726	Sub-Alliance
December 12, 1973	9,737	9,745	9,800'
March 26, 1982	10,050	10,058	Alliance
February 11, 1983	10,346	10,358	Mulvey
February 11, 1983	10,358	10,368	Mulvey
December 26, 1973	9,738	9,749	U 9,800'
September 25, 1984	10,882	10,885	10,550'
June 25, 1996	9,592	9,598	9,600'
June 7, 1996	9,608	9,650	
June 7, 1996	9,608	9,650	
April 15, 1996	3,991	4,001	
April 15, 1996	3,998	4,008	
May 1, 1996	3,910	3,980	

#5

Estimated Date	Perforations		Sand
December 20, 1957	9,472	9,492	
December 20, 1957	9,530	9,536	Houssiere
December 20, 1957	10,000	10,010	9,900'
	10,002	10,010	9,900'
	10,004	10,015	9,900'

#2

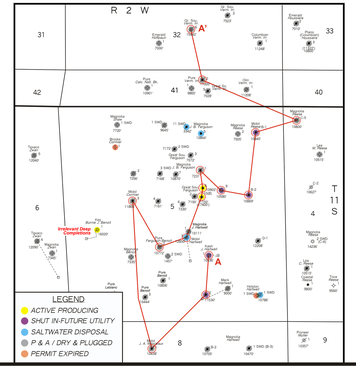
Estimated Date	Perforations		Sand
May 15, 1942	10,802	10,806	
May 15, 1942	10,792	10,797	Alliance
May 15, 1942	10,783	10,793	Alliance
July 8, 1960	9,562	9,573	9,500'
July 8, 1960	9,514	9,583	9,500'
May 17, 1979	9,430	9,434	
May 17, 1979	9,430	9,431	
May 22, 1979	8,386	8,392	
May 22, 1979	8,731	8,737	
May 23, 1979	8,692	8,693	
June 22, 1979	8,535	8,539	8,530'

#2-D

Estimated Date	Perforations		Sand
July 13, 1960	9,501	9,504	Houssiere

EXHIBIT "A"

- 6530 SAND - Order No. 52-S Eff. 11-28-79
- 6980 SAND - Order No. 52-T Eff. 8-19-87
- 8500 SAND - Order No. 52-Y Eff. 10-13-72
- 9100 SAND - Order No. 52-O Eff. 10-10-67
- HOUSSIERE SAND - Order No. 52-E Eff. 2-1-60
- 9600 SAND - Order No. 52-X-1 Eff. 9-9-86
- 9700 SAND - Order No. 52-K Eff. 10-10-67
- 9800 SAND - Order No. 52-Q-1 Eff. 8-19-86
- 9900 SAND - Order No. 52-C Eff. 2-1-60
- MANCEAUX SAND - Order No. 52-B Eff. 2-1-60 (Term. Eff. 2-17-14)
- SUB-ALL SAND RA - Order No. 52-F Eff. 2-1-60
- SUB-ALL SAND RB - Order No. 52-F-1 Eff. 3-13-74
- SUB-ALL 2 SAND - Order No. 52-AA Eff. 9-30-83



Status as of November 8, 2016

EXTEX OPERATING CO.

WEST GUEYDAN FIELD
VERMILION PARISH, LOUISIANA

PLATE 5
CORRELATION SECTION
A-A'

BRYAN GROVES
OIL & GAS GEOLOGIST
www.bryangrovesgeology.com

BRYAN GROVES
OIL & GAS GEOLOGIST
UNITIZATION / 3-D INTERPRETATION
www.bryangrovesgeology.com