

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery ☒ Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? Yes No
- II. OPERATOR: Tarco Energy L.C.
ADDRESS: 12403 CR 2300, Lubbock, TX 79423
CONTACT PARTY: Joe Tarver PHONE: 806-787-4940
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes ☒ No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Joe Tarver

TITLE: Owner, President

SIGNATURE: Joe Tarver

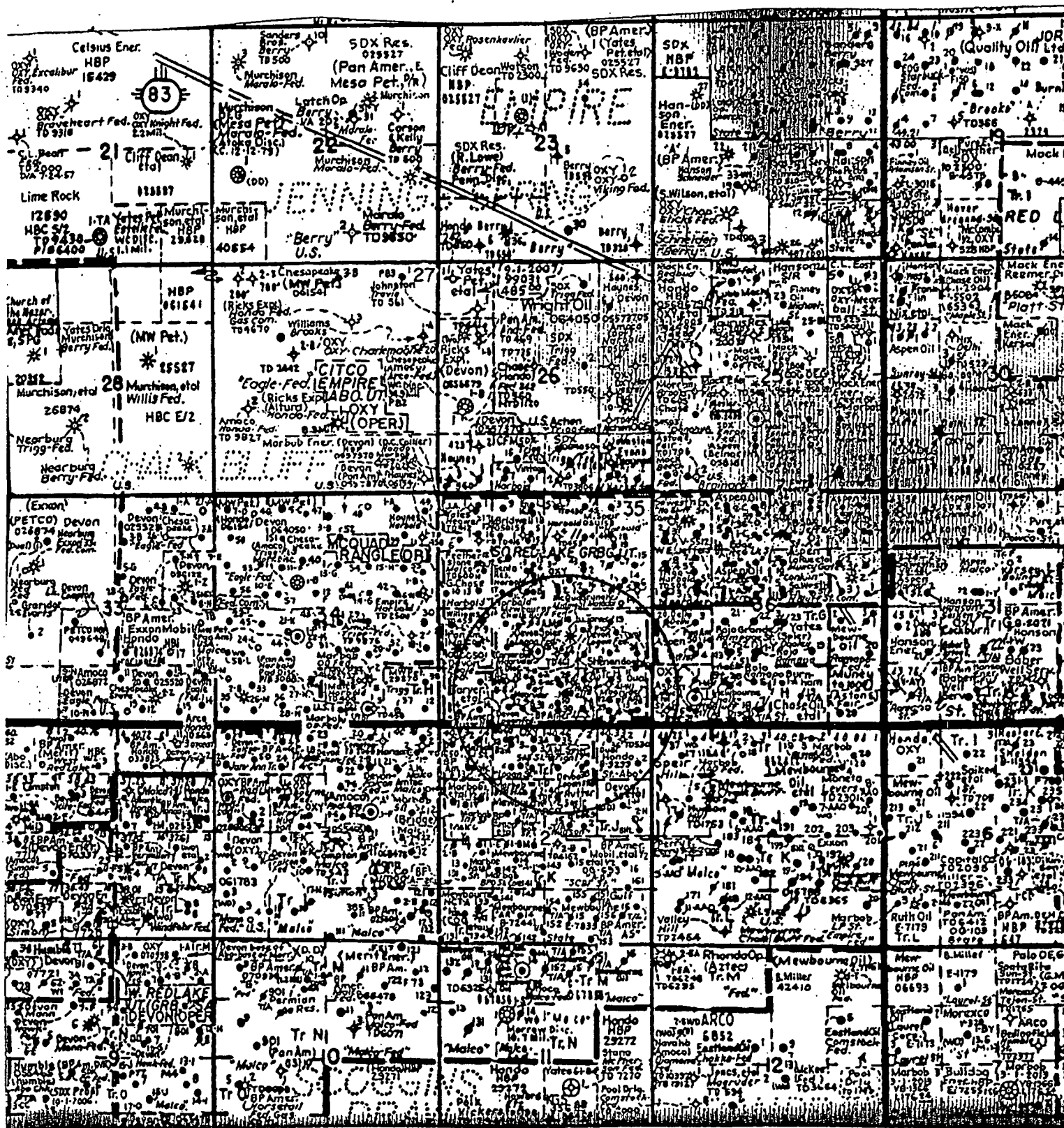
DATE: 10/16/2012

E-MAIL ADDRESS: joe@tarcosupply.com

- * If the information required under Sections VI, VIII, X, and XI above has been previously
Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District (

OCD Case# 14931
Tarco Energy, L.C.
November 29, 2012
Ex# 1



ATTACHMENT TO APPLICATION C-108

Russell C #3

Unit 0, Sect. 35, Tws. 17 S., Rng. 27 E.

Eddy Co., NM

III. WELL DATA

- A.
 - 1) See injection well data sheets and attached schematics.
 - 2) See injection well data sheets and attached schematics.
 - 3) 2 3/8" plastic coated tubing.
 - 4) Baker Tension Packer.

- B.
 - 1) Injection formations are the Yates and 7 Rivers.
 - 2) Injection interval perforations from 418' to 460'.
 - 3) This is a new well, convert to pressure maintenance injection.
 - 4) The next higher producing zone is the Tansil at approximately 245'.
The next lower producing zone is the Queen at approximately 900'.

IV. NO.

V. MAP ATTACHED.

VI. LIST OF WELLS AND DATA ATTACHED.

- VII.
 - 1) Plan to inject approximately 1500 bpd of produced water from Tarco's own operation in offset production.
 - 2) Closed System.
 - 3) Average injection pressure should be approximately 76# or whatever limit OCD allows.
 - 4) Water from same formation, operated by Tarco.
 - 5) Not at this time.

- VIII. The proposed disposal formation is interbedded shale and limestone. The primary geologic name are the Yates and 7 Rivers found from 340' to 540'.

There was no fresh water found or noted by State Engineer for the area of review.

IX. ACID WITH 2000 GALS OF 15% HYDROCHLORIC ACID WITH APPROPRIATE ADDITIVE.

X. LOGS SUBMITTED AFTER DRILLING.

XI. ATTACHED.

XII. I, Eddie W. Seay, have examined all available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zones and any underground source of drinking water pertaining to this well.

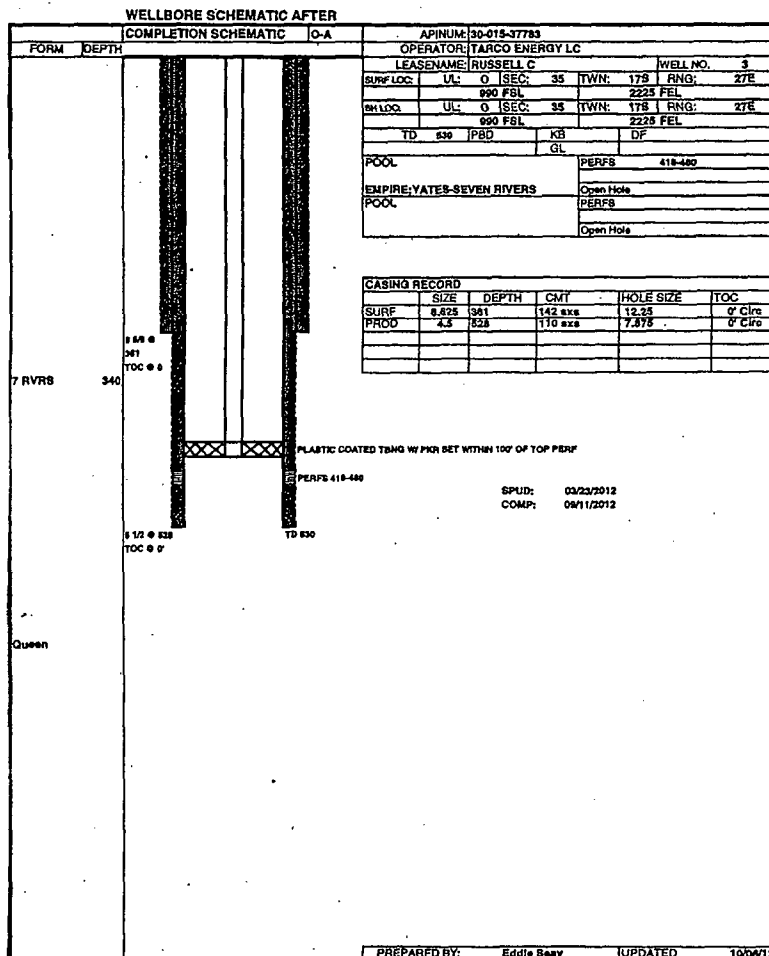
XIII. ATTACHED.

INJECTION WELL DATA SHEET

OPERATOR: Tarco Energy

WELL NAME & NUMBER: Russell C #3 Api 30.015.37783

WELL LOCATION: 990 S 2225 E 0 35 17 27 E
 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: 12.25 Casing Size: 8 5/8

Cemented with: 142 SX. or _____ ft³

Top of Cement: Surface Method Determined: Circ.

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ SX. or _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7 7/8 Casing Size: 4 1/2

Cemented with: 110 SX. or _____ ft³

Top of Cement: Surface Method Determined: Circ.

Total Depth: 530

Injection Interval

418 feet to 460

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 $\frac{3}{8}$ Lining Material: IPC
 Type of Packer: Baker D Tension Types
 Packer Setting Depth: approx 350
 Other Type of Tubing/Casing Seal (if applicable): NONE

Additional Data

1. Is this a new well drilled for injection? Yes ☒ No
 If no, for what purpose was the well originally drilled? Production
2. Name of the Injection Formation: Yates, 7 Rivers
3. Name of Field or Pool (if applicable): Empire Yates - 7 Rivers
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.
only perfs from 418 to 460
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Tansill at 245
Queen at 900

DISPOSAL WELL

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W
30-015-37783	RUSSELL C	3	TARCO ENERGY LC	530					O	35	17 S	27 E	990 S	2225 E

Wells within 1/2 mile of the proposed disposal well, which penetrate the proposed disposal interval.

													5280	5280	Distance
API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W	
30-015-00615	HARBOLD FEDERAL	3	FREEDOM ENERGY LLC		O	A	Eddy	F	F	35	17 S	27 E	2310 N	2310 W	2115
30-015-00616	SOUTH RED LAKE GRAY	16	MCQUADRANGLE, LC		O	P	Eddy	F	F	35	17 S	27 E	2310 N	2316 W	2113
30-015-33227	HARBOLD FEDERAL	17	FREEDOM ENERGY LLC		O	A	Eddy	F	F	35	17 S	27 E	2260 N	1590 W	2503
30-015-32837	EAGLE 35 F FEDERAL	12	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	F	35	17 S	27 E	2310 N	1750 W	2371
30-015-25139	HARBOLD FEDERAL	14	FREEDOM ENERGY LLC		O	A	Eddy	F	F	35	17 S	27 E	1848 N	2282 W	2561
30-015-34511	MIDNIGHT MATADOR FE	2	LEGACY RESERVES OPERATING, LP		O	A	Eddy	F	F	35	17 S	27 E	1950 N	2375 W	2436
30-015-35619	MIDNIGHT MATADOR A	2	LEGACY RESERVES OPERATING, LP		O	A	Eddy	F	G	35	17 S	27 E	2310 N	1700 E	2048
30-015-34385	MIDNIGHT MATADOR A	1	LEGACY RESERVES OPERATING, LP		O	A	Eddy	F	G	35	17 S	27 E	1896 N	2000 E	2404
30-015-33764	OPL EAGLE 35 FEDERAL	2	OCCIDENTAL PERMIAN LTD		O	A	Eddy	F	G	35	17 S	27 E	1800 N	1650 E	2555
30-015-33765	OPL EAGLE 35 FEDERAL	1	OCCIDENTAL PERMIAN LTD		O	A	Eddy	F	G	35	17 S	27 E	2210 N	2310 E	2081
30-015-00619	SOUTH RED LAKE II UNIT	15	FAIRWAY RESOURCES OPERATING, LLC		O	P	Eddy	F	G	35	17 S	27 E	2305 S	1664 E	1429
30-015-01225	BARRIENTOS	2	GEORGE H WILLIAMS		O	P	Eddy		G	35	17 S	27 E	2310 N	2310 E	1981
30-015-01228	FEDERAL 35	4	RANDOLF J JOHNSTON		O	P	Eddy	F	H	35	17 S	27 E	2310 N	990 E	2333
30-015-33010	EAGLE 35 H FEDERAL	14	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	H	35	17 S	27 E	2560 N	760 E	2266
30-015-32861	MIDNIGHT MATADOR	1	LEGACY RESERVES OPERATING, LP		O	A	Eddy	F	H	35	17 S	27 E	2300 N	990 E	2342
30-015-36081	LOGAN 35 FEDERAL	1	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	I	35	17 S	27 E	1520 S	1280 E	1083
30-015-37742	MAGRUDER	17	TARCO ENERGY, LC		O	A	Eddy	F	I	35	17 S	27 E	1653 S	990 E	1401
30-015-37744	MAGRUDER	19	TARCO ENERGY, LC		O	A	Eddy	F	I	35	17 S	27 E	1610 S	1645 E	848
30-015-30436	LOGAN 35 FEDERAL	2	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	I	35	17 S	27 E	2100 S	840 E	1774
30-015-00622	SOUTH RED LAKE II UNIT	24	FAIRWAY RESOURCES OPERATING, LLC		O	P	Eddy	F	I	35	17 S	27 E	1650 S	330 E	2006
30-015-00623	SOUTH RED LAKE II UNIT	19	LEGACY RESERVES OPERATING, LP		I	A	Eddy	F	I	35	17 S	27 E	2310 S	990 E	1807
30-015-00624	PRE-ONGARD WELL	2	PRE-ONGARD WELL OPERATOR		O	P	Eddy		I	35	17 S	27 E	1650 S	990 E	1400
30-015-00625	MAGRUDER A	1	JOE L TARVER		O	P	Eddy	F	J	35	17 S	27 E	1630 S	1645 E	863
30-015-00626	PRE-ONGARD WELL	6	PRE-ONGARD WELL OPERATOR		O	P	Eddy		J	35	17 S	27 E	1650 S	2310 E	665
30-015-00627	SOUTH RED LAKE GRAY	18	MCQUADRANGLE, LC		I	P	Eddy	F	J	35	17 S	27 E	2304 S	2310 E	1316
30-015-30437	LOGAN 35 FEDERAL	4	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	J	35	17 S	27 E	1650 S	2050 E	682
30-015-30408	LOGAN 35 FEDERAL	3	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	J	35	17 S	27 E	2210 S	1650 E	1348
30-015-27224	CHALK BLUFF 35 FED	1	MEWBOURNE OIL CO		G	A	Eddy	F	J	35	17 S	27 E	1980 S	1980 E	1019
30-015-37746	MAGRUDER	21	TARCO ENERGY, LC		O	A	Eddy	F	J	35	17 S	27 E	1624 S	2306 E	639
30-015-30438	LOGAN 35 FEDERAL	6	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	K	35	17 S	27 E	1750 S	1680 W	1571
30-015-30475	LOGAN 35 FEDERAL	5	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	K	35	17 S	27 E	2210 S	1950 W	1646

30-015-00628	MAGRUDER C	15	CITIES SERVICE OIL CO		O	P	Eddy	F	K	35	17	S	27	E	1650	S	2310	W	995
30-015-00630	SOUTH RED LAKE II UNIT	17	FAIRWAY RESOURCES OPERATING, LLC		I	P	Eddy	F	K	35	17	S	27	E	2263	S	1650	W	1895
30-015-00631	MAGRUDER A	3	JOE L TARVER		O	P	Eddy	F	K	35	17	S	27	E	2300	S	2313	W	1505
30-015-00632	SOUTH RED LAKE II UNIT	25	LEGACY RESERVES OPERATING, LP		O	A	Eddy	F	K	35	17	S	27	E	1703	S	2310	W	1031
30-015-01223	PRE-ONGARD WELL	2	PRE-ONGARD WELL OPERATOR		O	P	Eddy		L	35	17	S	27	E	2310	S	990	W	2450
30-015-29633	EAGLE 35 L FEDERAL	2	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	L	35	17	S	27	E	1820	S	960	W	2253
30-015-31761	EAGLE 35 FEDERAL	3	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	L	35	17	S	27	E	2310	S	990	W	2450
30-015-30735	LOGAN 35 FEDERAL	13	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	M	35	17	S	27	E	990	S	990	W	2065
30-015-30736	LOGAN 35 FEDERAL	14	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	M	35	17	S	27	E	330	S	500	W	2638
30-015-00633	RIVERWOLF UNIT	14	BP AMERICA PRODUCTION COMPANY		O	P	Eddy	F	M	35	17	S	27	E	330	S	990	W	2167
30-015-00637	RUSSELL C	4	TARCO ENERGY, LC		O	A	Eddy	F	N	35	17	S	27	E	330	S	1900	W	1330
30-015-00638	RUSSELL C	6	TARCO ENERGY, LC		O	P	Eddy	F	N	35	17	S	27	E	1009	S	2297	W	758
30-015-00644	SOUTH RED LAKE II UNIT	31	FAIRWAY RESOURCES OPERATING, LLC		O	P	Eddy	F	N	35	17	S	27	E	300	S	2310	W	1015
30-015-00645	SOUTH RED LAKE II UNIT	32	LEGACY RESERVES OPERATING, LP		O	A	Eddy	F	N	35	17	S	27	E	330	S	1650	W	1552
30-015-20105	SOUTH RED LAKE GB UN	42	S & J OPERATING LLC		O	P	Eddy		N	35	17	S	27	E	990	S	1650	W	1405
30-015-21358	RIVERWOLF UNIT	11	BP AMERICA PRODUCTION COMPANY		I	P	Eddy	F	N	35	17	S	27	E	990	S	1880	W	1175
30-015-30439	LOGAN 35 B FEDERAL	7	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	N	35	17	S	27	E	1090	S	2120	W	940
30-015-30440	LOGAN 35 B FEDERAL	8	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	N	35	17	S	27	E	650	S	1800	W	1300
30-015-36073	RUSSELL C	6X	TARCO ENERGY, LC		O	A	Eddy	F	N	35	17	S	27	E	999	S	2297	W	758
30-015-36213	RUSSELL C	5Y	TARCO ENERGY, LC		O	A	Eddy	F	O	35	17	S	27	E	1052	S	1643	E	585
30-015-37762	RUSSELL C	7Y	TARCO ENERGY, LC		O	A	Eddy	F	O	35	17	S	27	E	445	S	1622	E	812
30-015-30409	LOGAN 35 B FEDERAL	9	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	O	35	17	S	27	E	990	S	2100	E	125
30-015-00639	RUSSELL C	9	TARCO ENERGY, LC		O	A	Eddy	F	O	35	17	S	27	E	410	S	2235	E	580
30-015-00640	PRE-ONGARD WELL	8	PRE-ONGARD WELL OPERATOR		O	P	Eddy		O	35	17	S	27	E	450	S	1650	E	788
30-015-00641	RUSSELL C	7	TARCO ENERGY, LC		O	P	Eddy	F	O	35	17	S	27	E	395	S	1622	E	847
30-015-00642	RUSSELL C	5	JOE L TARVER		O	P	Eddy	F	O	35	17	S	27	E	1002	S	1633	E	592
30-015-00643	SOUTH RED LAKE II UNIT	26	FAIRWAY RESOURCES OPERATING, LLC		O	P	Eddy	F	O	35	17	S	27	E	990	S	2310	E	85
30-015-01222	SOUTH RED LAKE II UNIT	30	FAIRWAY RESOURCES OPERATING, LLC		O	P	Eddy	F	O	35	17	S	27	E	330	S	2310	E	665
30-015-00634	SOUTH RED LAKE II UNIT	29	LEGACY RESERVES OPERATING, LP		I	A	Eddy	F	P	35	17	S	27	E	330	S	330	E	2006
30-015-00635	MAGRUDER A	4	JOE L TARVER		O	P	Eddy	F	P	35	17	S	27	E	332	S	990	E	1399
30-015-00636	MAGRUDER	5	PATON BROTHERS		O	P	Eddy		P	35	17	S	27	E	990	S	970	E	1255
30-015-00629	MAGRUDER	11	TARCO ENERGY, LC		O	A	Eddy	F	P	35	17	S	27	E	330	S	482	E	1863
30-015-20104	SOUTH RED LAKE II UNIT	41	FAIRWAY RESOURCES OPERATING, LLC		I	P	Eddy	S	P	35	17	S	27	E	990	S	990	E	1235
30-015-30749	LOGAN 35 FEDERAL	11	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	P	35	17	S	27	E	1310	S	400	E	1852
30-015-30750	LOGAN 35 FEDERAL	12	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	F	P	35	17	S	27	E	580	S	1030	E	1263
30-015-00681	SOUTH RED LAKE II UNIT	27	LEGACY RESERVES OPERATING, LP		O	TA	Eddy	O	M	36	17	S	27	E	990	S	330	W	2555
30-015-00662	STATE	2	B L & W B ACREY		O	P	Eddy	O	M	36	17	S	27	E	330	S	330	W	2638

30-015-00721	SOUTH RED LAKE II UNIT	36	LEGACY RESERVES OPERATING, LP		O	A	Eddy	S	A	2	18	S	27	E	330	N	990	E	1307
30-015-00718	STATE	2	BRAINAR & GUY		O	P	Eddy	S	A	2	18	S	27	E	330	N	610	E	2085
30-015-00720	RIVERWOLF UNIT	4	BP AMERICA PRODUCTION COMPANY		O	P	Eddy	S	B	2	18	S	27	E	990	N	1650	E	2081
30-015-00737	SOUTH RED LAKE II UNIT	38	LEGACY RESERVES OPERATING, LP		O	A	Eddy	S	B	2	18	S	27	E	905	N	1610	E	1992
30-015-00738	STATE BZ	2	CITIES SERVICE OIL CO		O	P	Eddy	S	B	2	18	S	27	E	990	N	2310	E	1981
30-015-01211	SOUTH RED LAKE II UNIT	35	LEGACY RESERVES OPERATING, LP		I	A	Eddy	S	B	2	18	S	27	E	330	N	2310	E	1322
30-015-33111	LOGAN 2C STATE	3	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	S	C	2	18	S	27	E	530	N	2310	W	1692
30-015-30406	LOGAN 2 STATE	2	LIME ROCK RESOURCES II-A, L.P.		O	A	Eddy	S	C	2	18	S	27	E	990	N	1750	W	2371
30-015-01213	SOUTH RED LAKE GB UN	33	S & J OPERATING LLC		O	P	Eddy	S	C	2	18	S	27	E	280	N	1650	W	1893
30-015-00736	STATE BZ	4	CITIES SERVICE OIL CO		O	P	Eddy	S	C	2	18	S	27	E	990	N	2310	W	2115
30-015-00719	RIVERWOLF UNIT	5	BP AMERICA PRODUCTION COMPANY		O	P	Eddy	S	C	2	18	S	27	E	990	N	1980	W	2253
30-015-00725	SOUTH RED LAKE II UNIT	34	LEGACY RESERVES OPERATING, LP		O	A	Eddy	S	C	2	18	S	27	E	330	N	2310	W	1515
30-015-10623	HONDO C STATE	1	ATLANTIC REFINING CO		O	P	Eddy	S	D	2	18	S	27	E	330	N	990	W	2450
30-015-32179	MJ STATE	2	APACHE CORP		G	A	Eddy	S	D	2	18	S	27	E	330	N	915	W	2514
30-015-39009	EMPIRE ABO UNIT	415	APACHE CORP		O	A	Eddy	S	G	2	18	S	27	E	1650	N	2430	E	2647
30-015-00740	SOUTH RED LAKE GRAY	40	MCQUADRANGLE, LC		I	P	Eddy	S	G	2	18	S	27	E	1650	N	2197	E	2640
30-015-22777	EMPIRE ABO UNIT	134	APACHE CORP		O	A	Eddy	S	M	2	18	S	27	E	10	SL	640	W	2613

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A		APINUM: 30-015-37783																																													
FORM	DEPTH	OPERATOR: TARCO ENERGY LC																																															
8 5/8 @ 361 TOC @ 0 5 1/2 @ 528 TOC @ 0'		LEASENAME: RUSSELL C				WELL NO. 3																																											
		SURF LOC: UL: 0 SEC: 35		TWN: 17S		RNG: 27E																																											
		990 FSL		2225 FEL																																													
		BH LOC: UL: 0 SEC: 35		TWN: 17S		RNG: 27E																																											
		990 FSL		2225 FEL																																													
		TD 530		PBD		KB		DF																																									
				GL																																													
		POOL				PERFS 418-460																																											
EMPIRE;YATES-SEVEN RIVERS				Open Hole																																													
POOL				PERFS																																													
				Open Hole																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">CASING RECORD</th> </tr> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>SURF</td> <td>8.625</td> <td>361</td> <td>142 sxs</td> <td>12.25</td> <td>0' Circ</td> </tr> <tr> <td>PROD</td> <td>4.5</td> <td>528</td> <td>110 sxs</td> <td>7.875</td> <td>0' Circ</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>								CASING RECORD							SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF	8.625	361	142 sxs	12.25	0' Circ	PROD	4.5	528	110 sxs	7.875	0' Circ																		
CASING RECORD																																																	
	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																												
SURF	8.625	361	142 sxs	12.25	0' Circ																																												
PROD	4.5	528	110 sxs	7.875	0' Circ																																												
				SPUD: 03/23/2012 COMP: 09/11/2012																																													

WELLBORE SCHEMATIC AFTER

COMPLETION SCHEMATIC		O-A		APINUM: 30-015-37783			
FORM	DEPTH			OPERATOR: TARCO ENERGY LC			
		LEASENAME: RUSSELL C				WELL NO. 3	
		SURF LOC: UL: 0 SEC: 35		TWN: 17S		RNG: 27E	
		990 FSL		2225 FEL			
		BH LOC: UL: 0 SEC: 35		TWN: 17S		RNG: 27E	
		990 FSL		2225 FEL			
		TD 530		PBD		KB	
				GL		DF	
		POOL				PERFS 418-460	
		EMPIRE; YATES-SEVEN RIVERS				Open Hole	
		POOL				PERFS	
						Open Hole	

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	361	142 sxs	12.25	0' Circ
PROD	4.5	528	110 sxs	7.875	0' Circ

7 RVRS

340

8 5/8 @ 361 TOC @ 0

5 1/2 @ 528 TOC @ 0

TD 530

PLASTIC COATED TBNG W/ PKR SET WITHIN 100' OF TOP PERF

PERFS 418-460

SPUD: 03/23/2012

COMP: 09/11/2012

Queen

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	/APINUM: 30-015-00615			
FORM	DEPTH		OPERATOR: FREEDOM ENERGY LLC			
7 RVRS Queen	330 845					
		7 @ 322		TOC @ 0'		
		TD 425				

/APINUM: 30-015-00615					
OPERATOR: FREEDOM ENERGY LLC					
LEASENAME: HARBOLD FEDERAL				WELL NO. 3	
SURF LOC:	UL: F	SEC: 35	TWN: 17S	RNG: 27E	
2310 FNL			2310 FWL		
BH LOC:	UL: F	SEC: 35	TWN: 17S	RNG: 27E	
2310 FNL			2310 FWL		
TD	425	PBD	KB	DF	
			GL		
POOL				PERFS	
EMPIRE; YATES-SEVEN RIVERS				Open Hole 330-425	
POOL				PERFS	
				Open Hole	

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	7	322	75 sxs	na	0' Cal

SPUD: 10/15/1941
COMP: 10/25/1941
P&A:

COMPLETION SCHEMATIC		O-P
FORM	DEPTH	
7 RVRS	330	PLUG 0-60'
		100 sxs
		PLUG @ 64'
Queen	845	TOC @ 905
		PLUG 17 sxs 840-940
Grayburg	1290	PLUG 17 sxs 1000-1136
San Andres	1420	
		TD 1618

APINUM: 30-015-00616					
OPERATOR: MCQUADRANGLE, LC					
LEASENAME: SOUTH RED LAKE GB UNIT				WELL NO. 16	
SURF LOC:	UL: F	SEC: 35	TWN: 17S	RNG: 27E	
2310 FNL			2316 FWL		
BH LOC:	UL: F	SEC: 35	TWN: 17S	RNG: 27E	
2310 FNL			2316 FWL		
TD 1618	PBD	KB	DF		
			GL		
POOL				PERFS	
RED LAKE;QUEEN-GRAYBURG-SA				Open Hole 1296-1618	

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	7	1296	50 sxs	8	905' Cal

SPUD: 08/01/1947

COMP: 08/31/1947

P&A: 08/13/2002

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A		APINUM: 30-015-25139			
FORM	DEPTH	OPERATOR: FREDOM ENERGY LLC					
7 RVRS Queen 330 845		LEASENAME: HARBOLD FEDERAL				WELL NO. 14	
		SURF LOC:		UL: F	SEC: 35	TWN: 17S	RNG: 27E
				1848 FNL		2282 FWL	
		BH LOC:		UL: F	SEC: 35	TWN: 17S	RNG: 27E
				1848 FNL		2282 FWL	
		TD 398		PBD	KB	DF	
				GL			
		POOL				PERFS	
		EMPIRE; YATES-SEVEN RIVERS				Open Hole 387-398	
		POOL				PERFS	
				Open Hole			

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	7	387	150 sxs	8	0' Circ

SPUD: 01/08/1985

COMP: 02/08/1985

P&A:

PREPARED BY: Eddie Seay

UPDATED: 10/08/12

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A		APINUM: 30-015-32837			
FORM	DEPTH	OPERATOR: LIME ROCK RESOURCES II-A, LP					
7 RVRS 330 Queen 845 Grayburg 1278 San Andres 1596 Glorieta 2963 Yeso 3030 8 5/8" @ 314 TOC 0 PERFS 2966-3265 5 1/2 @ 3505 TOC @ 0' TD 3505		LEASENAME: EAGLE 35 F FEDERAL		WELL NO. 12			
		SURF LOC: UL: F SEC: 35 TWN: 17S RNG: 27E		2310 FNL 1750 FWL			
		BH LOC: UL: F SEC: 35 TWN: 17S RNG: 27E		2310 FNL 1750 FWL			
		TD 3505 PBD KB DF		GL			
		POOL RED LAKE; GLORIETA-YESO, NE		PERFS 2966-3265			
		POOL		Open Hole			
				PERFS			
				Open Hole			

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	314	250 sxs	12.25	0'
PROD	5.5	3505	810 sxs	7.875	0' Circ

SPUD: 08/05/2003

COMP: 09/29/2003

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A		APINUM: 30-015-33227			
FORM	DEPTH	OPERATOR: FREEDOM ENERGY LLC					
		LEASENAME: HARBOLD FEDERAL				WELL NO. 14	
		SURF LOC:		UL: F	SEC: 35	TWN: 17S	RNG: 27E
		BH LOC:		UL: F	SEC: 35	TWN: 17S	RNG: 27E
				2260 FNL		1590 FWL	
				2260 FNL		1590 FWL	
		TD 420		PBD	KB	DF	
				GL			
		POOL EMPIRE; YATES-SEVEN RIVERS				PERFS 383-403	
POOL				Open Hole			
				PERFS			
				Open Hole			

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	60	15 sxs	12	0
PROD	5.5	420	70 sxs	7.875	12

SPUD: 03/20/2004

COMP: 04/20/2004

7 RVRS

330

Queen

845

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-34511			
FORM	DEPTH		OPERATOR: LEGACY RESERVES OPERATING LP			
			LEASENAME: MIDNIGHT MATADOR FED			WELL NO. 2
			SURF LOC:	UL: F	SEC: 35	TWN: 17S
						RNG: 27E
			1950 FNL			2375 FWL
			BH LOC:	UL: F	SEC: 35	TWN: 17S
						RNG: 27E
			1950 FNL			2375 FWL
			TD	2478	PBD	KB
						DF
						GL
			POOL			PERFS
			RED LAKE;QUEEN-GRAYBURG-SA			1971-2378
						Open Hole
			POOL			PERFS
						Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	494	250 sxs	12.25	0' Circ
PROD	5.5	2478	350 sxs	7.875	450 Cal

7 RVRS 300

Queen 863

Grayburg 1138

San Andres 1608

Glorieta

Yeso

TOC 5 1/2 @ 450'

8 5/8" @ 494'

TOC 0

PERFS 1971-2378

TD 2478

SPUD: 01/30/2006

COMP1: 06/15/2006

PREPARED BY: Eddie Seay	UPDATED 10/08/12
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PREPARED BY:	Eddie Seay	UPDATED	10/08/12
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-P	APINUM: 30-015-01225																																													
FORM	DEPTH	OPERATOR: GEORGE H WILLIAMS																																														
7 RVRS 280 Queen 890 TOC @ 350 8 5/8 @ 390 TOC @ 350 TD 446		LEASENAME: BARRIENTOS			WELL NO. 2																																											
		SURF LOC: UL: G SEC: 35		TWN: 17S		RNG: 27E																																										
		2310 FNL		2310 FEL																																												
		BH LOC: UL: G SEC: 35		TWN: 17S		RNG: 27E																																										
		2310 FNL		2310 FEL																																												
		TD 446		PBD	KB	DF																																										
				GL																																												
		POOL EMPIRE; YATES-SEVEN RIVERS				PERFS																																										
						Open Hole 390-446																																										
		POOL				PERFS																																										
				Open Hole																																												
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	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																											
PROD	8.625	390	20 sxs	na	365 Cal																																											
No info on how well was plugged SPUD: 12/07/1941 COMP: 01/11/1942 P&A: 11/30/1942																																																

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-33764			
FORM	DEPTH		OPERATOR: OCCIDENTAL PERMIAN OPERATING LP			
			LEASENAME: OPL EAGLE 35 FEDERAL			WELL NO. 2
			SURF LOC:	UL: G	SEC: 35	TWN: 17S
						RNG: 27E
			1980 FNL			1650 FEL
			BH LOC:	UL: G	SEC: 35	TWN: 17S
						RNG: 27E
			1980 FNL			1650 FEL
			TD 3600	PBD	KB	DF
				GL		
			POOL RED LAKE;GLORIETA-YESO, NE			PERFS 3003-3525
						Open Hole
			POOL			PERFS
						Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	331	245 sxs	12.25	0 Circ
PROD	5.5	3600	525 sxs	7.875	0 Circ

7 RVRS	320								
Queen	888								
			8 5/8						
			@ 331'						
			TOC 0						
Grayburg	1302								
San Andres	1640								
Glorieta	2996								
Yeso	3084								
			5 1/2 @						
			3600						
			TOC @ 0'						

SPUD: 03/14/2005

COMP: 04/09/2005

PERFS 3003-3525

TD 3600

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-33765			
FORM	DEPTH		OPERATOR: OCCIDENTAL PERMIAN OPERATING LP			
			LEASENAME: OPL EAGLE 35 FEDERAL			WELL NO. 1
			SURF LOC:	UL: G	SEC: 35	TWN: 17S
						RNG: 27E
			2210 FNL			2310 FEL
			BH LOC:	UL: G	SEC: 35	TWN: 17S
						RNG: 27E
			2210 FNL			2310 FEL
			TD	3600	PBD	KB
						DF
					GL	
			POOL			PERFS 3000-3466
			RED LAKE;GLORIETA-YESO, NE			
						Open Hole
			POOL			PERFS
						Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	300	245 sxs	12.25	0 Circ
PROD	5.5	3600	585 sxs	7.875	0 Circ

7 RVRS 320

Queen 880

Grayburg 1297

San Andres 1622

Glorieta 2992

Yeso 3063

8 5/8 @ 300' TOC 0

PERFS 3000-3466

5 1/2 @ 3600 TOC @ 0'

TD 3600

SPUD: 03/04/2005

COMP: 04/15/2005

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-34385			
FORM	DEPTH		OPERATOR: LEGACY RESERVES OPERATING LP			
			LEASENAME: MIDNIGHT MATADOR A FED		WELL NO. 1	
			SURF LOC:	UL: G SEC: 35	TWN: 17S	RNG: 27E
			1896 FNL		2000 FEL	
			BH LOC:	UL: F SEC: 35	TWN: 17S	RNG: 27E
			1950 FNL		2375 FWL	
			TD 2475	PBD	KB	DF
					GL	
			POOL RED LAKE; QUEEN-GRAYBURG-SA			PERFS 1988-2389
						Open Hole
			POOL			PERFS
						Open Hole

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	520	425 sxs	12.25	0' Circ
PROD	5.5	2473	365 sxs	7.875	65 Cal

7 RVRS 300

8 5/8" @ 520' TOC 0

Queen 863

Grayburg 1138

San Andres 1608

5 1/2 @ 2473 TOC @ 65'

Glorieta

Yeso

TOC 5 1/2 @ 65'

PERFS 1988-2389

TD 2475

SPUD: 01/23/2006

COMP1: 06/03/2006

PREPARED BY: Eddie Seay	UPDATED 10/08/12
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-35619			
FORM	DEPTH		OPERATOR: LEGACY RESERVES OPERATING LP			
			LEASENAME: MIDNIGHT MATADOR A			WELL NO. 2
			SURF LOC:	UL: G	SEC: 35	TWN: 17S
				2310 FNL		RNG: 27E
			BH LOC:	UL: G	SEC: 35	TWN: 17S
				2310 FNL		RNG: 27E
				1700 FEL		
			TD	2505	PBD	KB
					GL	DF
			POOL			PERFS
			RED LAKE;QUEEN-GRAYBURG-SA			1959-2370
						1804-1839
						Open Hole
			POOL			PERFS
						Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	350	250 sxs	12.25	0' Circ
PROD	5.5	2420	450 sxs	7.875	0' Circ

SPUD: 07/23/2007
 COMP1: 08/17/2007

FORMATION	DEPTH	COMPLETION
7 RVRS	320	
Queen	898	
Grayburg	1388	
San Andres	1645	
Glorieta		
Yeso		

8 5/8" @ 350' TOC 0

5 1/2 @ 2420 TOC @ 0'

TD 2505

PERFS 1804-1839

PERFS 1959-2370

PBTD 2380

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-P	APINUM: 30-015-01228			
FORM	DEPTH		OPERATOR: RANDOLF J JOHNSTON			
7 RVRS 360 5 1/2 @ 420 TOC @ 209' PLUG TOC @ 209 7 Casing pulled from 347' PLUG 15 sxs TD 472		LEASENAME: FEDERAL 35		WELL NO. 4		
		SURF LOC:	UL: H	SEC: 35	TWN: 17S	RNG: 27E
		2310 FNL		990 FEL		
		BH LOC:	UL: H	SEC: 35	TWN: 17S	RNG: 27E
		2310 FNL		990 FEL		
		TD	472	PBD	KB	DF
				GL		
		POOL			PERFS	
		EMPIRE;YATES-7 RVRS			Open Hole 420-472	
		POOL			PERFS	
				Open Hole		

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	7	347	PULLED	na	na
PROD	5.5	420	60 sxs	na	209 Est

7 Casing pulled from 347'

SPUD: 11/03/1941

COMP: 12/11/1941

P&A: 11/1942

Queen	860	
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-32861																																													
FORM	DEPTH		OPERATOR: LEGACY RESERVES OPERATING LP																																													
			LEASENAME: MIDNIGHT MATADOR			WELL NO. 1																																										
			SURF LOC:	UL: H	SEC: 35	TWN: 17S																																										
			2300 FNL			RNG: 27E																																										
			BH LOC:	UL: H	SEC: 35	TWN: 17S																																										
			2300 FNL			RNG: 27E																																										
			990 FEL																																													
			TD 2443	PBD	KB	DF																																										
			GL																																													
			POOL			PERFS 2213-2344																																										
			RED LAKE; QUEEN-GRAYBURG-SA																																													
			POOL			Open Hole																																										
						PERFS																																										
						Open Hole																																										
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CASING RECORD																																																
	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																											
SURF	8.625	498	200 sxs	12.25	0' Circ																																											
PROD	5.5	2440	725 sxs	7.875	0' Circ																																											
7 RVRS	320																																															
			8 5/8" @ 498' TOC 0																																													
Queen	947																																															
Grayburg	1323																																															
San Andres	1657																																															
			PERFS 2213-2344																																													
			5 1/2 @ 2440 TOC @ 0'																																													
			TD 2700																																													
Glorieta																																																
Yeso																																																

SPUD: 08/18/2003

COMP1: 09/06/2003

PREPARED BY: Eddie Seay

UPDATED

10/08/12

COMPLETION SCHEMATIC

O-A

APINUM: 30-015-33010

LEASENAME: EAGLE 35 H FEDERAL

WELL NO.	14
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SURF LOC:	UL:	H	SEC:	35	TWN:	17S	RNG:	27E
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	2560 FNL	760 FEL
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BH LOC:	UL: H	SEC: 35	TWN: 17S	RNG: 27E
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	2560 FNL	760 FEL
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TD	3500	PBD	KB	DF
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GL	
----	--

POOL
RED LAKE;GLORIETA-YESO, NE

PERFS	3022-3368
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POOL

Open Hole

PERFS

Open Hole

7 RVRS

300

8 5/8"
@ 312
TOC 0

Queen

925

Grayburg

1334

San Andres

1670

Glorieta

3020

Yeso

3088

5 1/2 @
3500
TOC @ 0'

PERFS 3022-3368

TD 3500

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	312	330 sxs	12.25	0' Circ
PROD	5.5	3500	800 sxs	7.875	0' Circ

SPUD: 09/22/2003

COMP1: 10/21/2003

PREPARED BY: **Eddie Seay**

UPDATED

10/08/12

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-P	APINUM: 30-015-00622																																							
FORM	DEPTH		OPERATOR: FAIRWAY RESOURCES OPERATING LLC																																							
10 3/4 @ 20' 8 5/8 @ 130' 7 RVRS 440' Queen 940' Grayburg 1360' San Andres 1704'			LEASENAME: SOUTH RED LAKE II UNIT		WELL NO. 24																																					
			SURF LOC:	UL: I	SEC: 35	TWN: 17S	RNG: 27E																																			
			1650 FSL		330 FEL																																					
			BH LOC:	UL: I	SEC: 35	TWN: 17S	RNG: 27E																																			
			1650 FSL		330 FEL																																					
			TD	1741	PBD	KB	DF																																			
					GL																																					
			POOL RED LAKE;QUEEN-GB-SAN ANDRES				PERFS																																			
							Open Hole 1592-1741																																			
			POOL				PERFS																																			
						Open Hole																																				
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CASING RECORD																																										
	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																					
SURF	8.25	992	PULLED	na	na																																					
PROD	7	1592-120	50 sxs	na	1250 est																																					
	10.75	20			NO CMNT																																					
	8.625	103			NO CMNT																																					
SPUD: 05/24/1949 COMP: 05/23/1949 P&A: 04/2006 PULLED 120' DAMAGED 7" CASNG RAN 20' 10 3/4 CSNG RAN 130' 8 5/8 TO SURROUND DAMAGED 7" CSNG UNKOWN HOW WELL WAS PLUGGED BELOW DAMAGED 7" CSNG TAG UNKNOWED TD WITH 1" TUBING FILL HOLE WITH CEMENT																																										
			8 1/4 Casing pulled from 992'																																							
			TOC @ 1250																																							
			4 1/2 @ 1592 TOC @ 1250'																																							
			TD 1741																																							

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		I-A	APINUM: 30-015-00623																																													
FORM	DEPTH		OPERATOR: LEGACY RESOURCES OPERATING LLC																																													
7 RVRS	440		LEASENAME: SOUTH RED LAKE II UNIT		WELL NO. 19																																											
		SURF LOC:	UL: I	SEC: 35	TWN: 17S	RNG: 27E																																										
		2310 FSL		990 FEL																																												
		BH LOC:	UL: I	SEC: 35	TWN: 17S	RNG: 27E																																										
		2310 FSL		990 FEL																																												
		TD	1705	PBD	KB	DF																																										
				GL																																												
		POOL			PERFS																																											
		RED LAKE;QUEEN-GRAYBURG-SA			Open Hole																																											
		POOL			PERFS																																											
			Open Hole																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">CASING RECORD</th> </tr> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>SURF</td> <td>8</td> <td>815</td> <td>PULLED</td> <td>na</td> <td>na</td> </tr> <tr> <td>INT1</td> <td>7</td> <td>1350</td> <td>50 sxs</td> <td>na</td> <td>1010 est</td> </tr> <tr> <td>PROD</td> <td>4.5</td> <td>na</td> <td>na</td> <td>na</td> <td>na</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>							CASING RECORD							SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF	8	815	PULLED	na	na	INT1	7	1350	50 sxs	na	1010 est	PROD	4.5	na	na	na	na												
CASING RECORD																																																
	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																											
SURF	8	815	PULLED	na	na																																											
INT1	7	1350	50 sxs	na	1010 est																																											
PROD	4.5	na	na	na	na																																											
		8" Casing pulled from 815'																																														
		SPUD: 04/18/1947 COMP: 05/28/1947																																														
Queen	940		TOC @ 1010																																													
		TOC NA (Based ON similar completions approximately 1250')																																														
Grayburg	1360	7" @ 1350 TOC 1010																																														
		4 1/2 @ NA TOC @ NA'	SETTING DEPTH 4 1/2 UNKNOWN																																													
San Andres	1704		TD 1705																																													

940

COMPLETION SCHEMATIC		O-A
FORM	DEPTH	
7 RVRS	320	
Queen	942	
Grayburg	1362	
San Andres	1704	
Glorieta	3050	
Yeso	3136	

8 5/8"
@ 1097
TOC 0

5 1/2 @
3725
TOC @ 0'

PERFS 2032-2456

PERFS 2742-2861

PERFS 3176-3454

TD 3725

SPUD: 03/07/2000

COMP1: 03/24/2000

COMP2: 06/07/2001

APINUM: 30-015-30436					
OPERATOR: LIME ROCK RESOURCES II-A, LP					
LEASENAME: LOGAN 35 FEDERAL					WELL NO. 2
SURF LOC:	UL: I	SEC: 35	TWN: 17S	RNG: 27E	
2100 FSL			840 FEL		
BH LOC:	UL: I	SEC: 35	TWN: 17S	RNG: 27E	
2100 FSL			840 FEL		
TD	3725	PBD	KB	DF	
			GL		
POOL RED LAKE; GLORIETA-YESO, NE				PERFS	3176-3454
				Open Hole	
POOL RED LAKE; QUEEN-GRAYBURG-SA				PERFS	2032-2456
					2742-2861
				Open Hole	

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	1097	550 sxs	12.25	0' Circ
PROD	5.5	3725	745 sxs	7.875	0' Circ

PREPARED BY: Eddie Seay UPDATED: 10/08/12

SPUD: 03/07/2000
COMP1: 03/24/2000
COMP2: 06/07/2001

COMPLETION SCHEMATIC

O-A

APINUM: 30-015-36081

OPERATOR: LIME ROCK RESOURCES II-A, LP

LEASENAME: LOGAN 35 FEDERAL

WELL NO.	1
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SURF LOC:	UL: I	SEC: 35	TWN: 17S	RNG: 27E
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	1520 FSL	1280 FEL
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BH LOC:	UL: I	SEC: 35	TWN: 17S	RNG: 27E
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	1520 FSL	1280 FEL
--	----------	----------

TD	3505	PBD	KB	DF
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	GL	
--	----	--

POOL	PERFS	3041-3453
------	-------	-----------

RED LAKE;GLORIETA-YESO, NE

Open Hole

POOL	PERFS	2056-2345
------	-------	-----------

RED LAKE;QUEEN-GRAYBURG-SA

	Open Hole
--	-----------

7 RVRS 330

Queen 945

Grayburg	1370
-----------------	-------------

San Andres 1696

Glorieta	3060
-----------------	-------------

Yeso	3164
------	------

8 5/8"
@ 1180
TOC 0

5 1/2 @
3585
TOC @ 0'

PERFS 2056-2345**PERFS 3041-3453**

TD 3585

SPUD: 04/15/2008

COMP1: 04/19/2008

COMP2: 02/25/2010

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	1180	420 sxs	11	0' Circ
PROD	5.5	3585	597 sxs	7.875	0' Circ

PREPARED BY: **Eddie Seay**

UPDATED

10/08/12

COMPLETION SCHEMATIC		O-A	
FORM	DEPTH	APINUM: 30-015-37742	
		OPERATOR: TARCO ENERGY LC	
		LEASENAME: MAGRUDER	
		WELL NO. 17	
		SURF LOC: UL: I SEC: 35 TWN: 17S RNG: 27E	
		1653 FSL 990 FEL	
		BH LOC: UL: I SEC: 35 TWN: 17S RNG: 27E	
		1653 FSL 990 FEL	
		TD 558 PBD KB DF	
		GL	
		POOL	
		EMPIRE;YATES-SEVEN RIVERS	
		PERFS 483-522	
		Open Hole	
		POOL	
		PERFS	
		Open Hole	

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	380	70 sxs	12.25	0
PROD	5.5	558	95 sxs	7.875	0

7 RVRS

440

8 5/8 @ 380' TOC @ 0

5 1/2 @ 558 TOC @ 12'

PERFS 483-522

TD 558

SPUD: 08/20/2011

COMP: 03/08/2012

Queen

PREPARED BY: Eddie Seay

UPDATED 10/08/12

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-37744				
FORM	DEPTH	OPERATOR: TARCO ENERGY LC					
7 RVRS 440 8 5/8 @ 360 TOC @ 0 5 1/2 @ 540 TOC @ 0' PERFS 446-487 TD 540		LEASENAME: MAGRUDER			WELL NO. 19		
		SURF LOC: UL: I SEC: 35		TWN: 17S		RNG: 27E	
		1610 FSL		1645 FEL			
		BH LOC: UL: I SEC: 35		TWN: 17S		RNG: 27E	
		1610 FSL		1645 FEL			
		TD 540		PBD		KB	DF
				GL			
		POOL EMPIRE;YATES-SEVEN RIVERS			PERFS 446-487		
		POOL			Open Hole		
					PERFS		
			Open Hole				

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	360	70 sxs	12.25	0
PROD	5.5	540	95 sxs	7.875	0

SPUD: 11/14/2010

COMP: 08/24/2011

Queen

COMPLETION SCHEMATIC		O-P			
FORM	DEPTH				
		APINUM: 30-015-00625			
		OPERATOR: JOE L TARVER			
		LEASENAME: MAGRUDER A			
		WELL NO. 1			
		SURF LOC: UL: J SEC: 35 TWN: 17S RNG: 27E			
		1630 FSL 1645 FEL			
		BH LOC: UL: J SEC: 35 TWN: 17S RNG: 27E			
		1630 FSL 1645 FEL			
		TD 465 PBD KB DF			
		GL			
POOL					
PERFS					
EMPIRE;YATES-7 RVRS					
Open Hole 401-456					
POOL					
PERFS					
Open Hole					
CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	10	400	20 sxs	na	325 est
7 RVRS			445 TOC @ 325		
Queen			945		
SPUD: 09/07/1941			COMP: 09/16/1941		
P&A: 04/21/1985					
PREPARED BY: Eddie Seav			UPDATED 10/08/12		

SPUD: 09/07/1941
COMP: 09/16/1941
P&A: 04/21/1985

Queen 945

PREPARED BY:	Eddie Seay	UPDATED	10/08/12
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-P	APINUM: 30-015-00626			
FORM	DEPTH		OPERATOR: PRE-ONGARD WELL OPERATOR			
			LEASENAME: PRE-ONGARD WELL			WELL NO. 6
			SURF LOC:	UL: J	SEC: 35	TWN: 17S
						RNG: 27E
			1650 FSL		2310 FEL	
			BH LOC:	UL: J	SEC: 35	TWN: 17S
						RNG: 27E
			1650 FSL		2310 FEL	
			TD	NA	PBD	KB
						DF
					GL	
			POOL			PERFS
						Open Hole
			POOL			PERFS
						Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF					
PROD		NO WELL FILE FOR THIS			

SPUD:

COMP:

P&A:

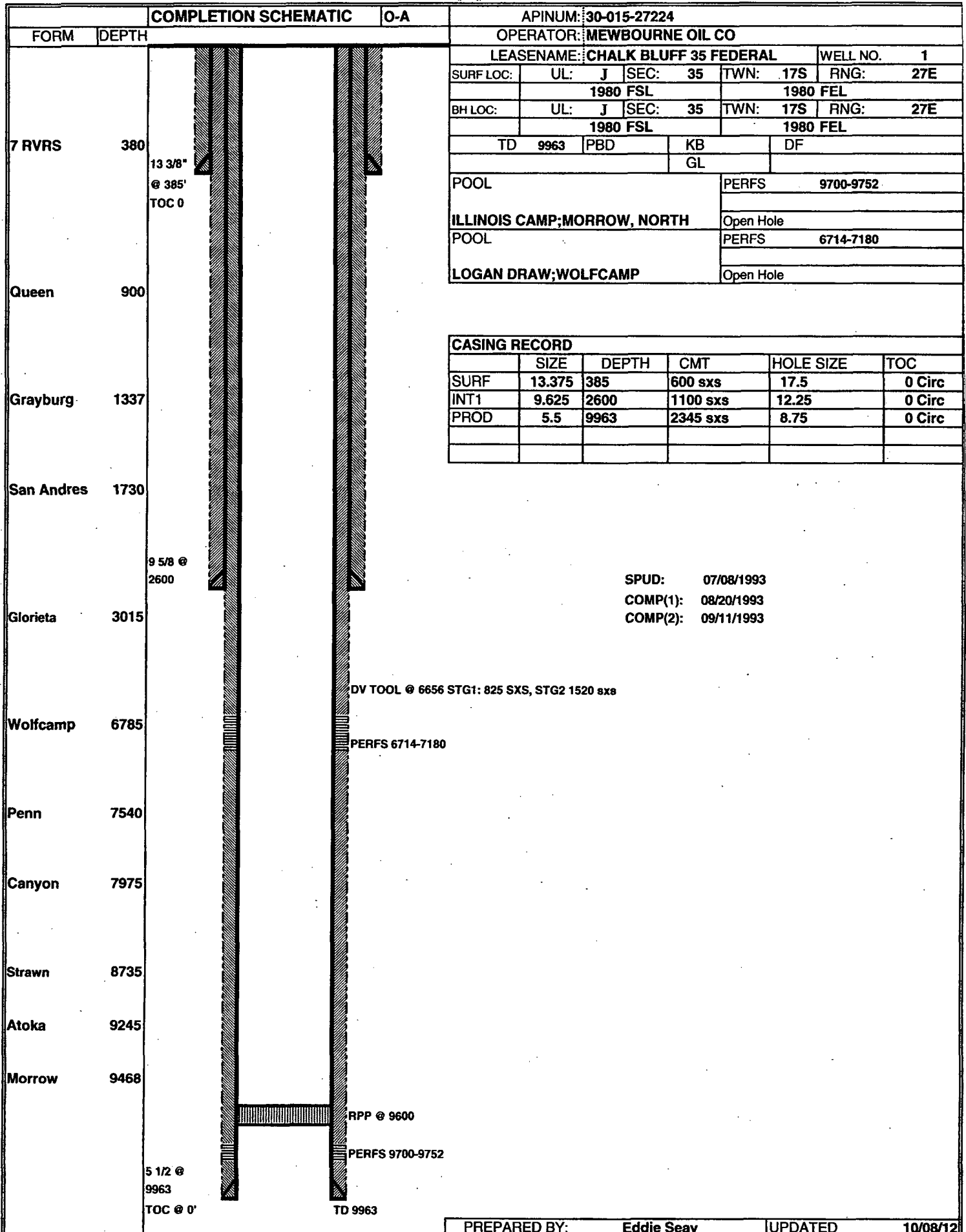
7 RVRS	440
Queen	940

PREPARED BY: Eddie Seay	UPDATED 10/08/12
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		I-A	APINUM: 30-015-00627																																													
FORM	DEPTH		OPERATOR: MCQUADRANGLE, LC																																													
7 RVRS Queen Grayburg San Andres	440 940 1360 1704		LEASENAME: SOUTH RED LAKE GB UNIT WELL NO. 18																																													
		SURF LOC:		UL: J	SEC: 35	TWN: 17S	RNG: 27E																																									
		BH LOC:		UL: J	SEC: 35	TWN: 17S	RNG: 27E																																									
				2304 FSL		2310 FEL																																										
		TD 1665		PBD	KB	DF																																										
				GL																																												
		POOL			PERFS																																											
		RED LAKE;QU-GB-SA			Open Hole 1590-1665																																											
		POOL			PERFS																																											
					Open Hole																																											
Perf 4 1/2 @ 600' SQZ 50 sxs circ to surface fell back 57'																																																
8" Casing pulled from 826'																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">CASING RECORD</th> </tr> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>SURF</td> <td>8</td> <td>826</td> <td>PULLED</td> <td>na</td> <td>na</td> </tr> <tr> <td>INT1</td> <td>7</td> <td>1335</td> <td>50 sxs</td> <td>na</td> <td>950 est</td> </tr> <tr> <td>PROD</td> <td>4.5</td> <td>na</td> <td>na</td> <td>na</td> <td>na</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>							CASING RECORD							SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF	8	826	PULLED	na	na	INT1	7	1335	50 sxs	na	950 est	PROD	4.5	na	na	na	na												
CASING RECORD																																																
	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																											
SURF	8	826	PULLED	na	na																																											
INT1	7	1335	50 sxs	na	950 est																																											
PROD	4.5	na	na	na	na																																											
SPUD: 06/09/1947 COMP: 07/09/1947 P&A: 05/25/2003																																																
TOC @ 950																																																
TOC NA (Based ON similar completions approximately 1250')																																																
7" @ 1350 TOC 1010																																																
Plug 50 cf Tag TOC @ 1008																																																
4 1/2 @ NA TOC @ NA'																																																
SETTING DEPTH 4 1/2 UNKNOWN (Proposed setting at top of shot hole)																																																
TD 1665																																																

WELLBORE SCHEMATIC AND HISTORY



WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-30408			
FORM	DEPTH		OPERATOR: LIME ROCK RESOURCES II-A, LP			
			LEASENAME: LOGAN 35 FEDERAL		WELL NO. 3	
			SURF LOC:	UL: J SEC: 35	TWN: 17S	RNG: 27E
			2210 FSL		1650 FEL	
			BH LOC:	UL: J SEC: 35	TWN: 17S	RNG: 27E
			2210 FSL		1650 FEL	
			TD 3807	PBD	KB	DF
					GL	
			POOL RED LAKE;GLORIETA-YESO, NE		PERFS 3148-3360	
					Open Hole	
			POOL RED LAKE;QUEEN-GRAYBURG-SA		PERFS 2248-2442	
					2726-2846	
					Open Hole	

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	1180	350 sxs	11	0' Circ
PROD	5.5	3585	800 sxs	7.875	0' Circ

7 RVRS	320								
Queen	947								
Grayburg	1358								
San Andres	1678								
Glorieta	3030								
Yeso	3105								

8 5/8" @ 1126 TOC 0

5 1/2 @ 3807 TOC @ 0'

PERFS 2248-2442

PERFS 2726-2846

PERFS 3148-3360

TD 3807

SPUD: 10/03/2000

COMP1: 10/20/2000

COMP2: 10/24/2001

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-30437			
FORM	DEPTH	OPERATOR: LIME ROCK RESOURCES II-A, LP				
7 RVRS 320 Queen 914 Grayburg 1111 San Andres 1651 Glorieta 3007 Yeso 3109 8 5/8" @ 1152 TOC 0 PERFS 2004-2420 PERFS 2703-2828 PERFS 3122-3244 5 1/2 @ 4400 TOC @ 0' TD 4400		LEASENAME: LOGAN 35 FEDERAL WELL NO. 4				
		SURF LOC: UL: J SEC: 35 TWN: 17S RNG: 27E				
		1650 FSL 2050 FEL				
		BH LOC: UL: J SEC: 35 TWN: 17S RNG: 27E				
		1650 FSL 2050 FEL				
		TD 4400 PBD KB DF				
POOL RED LAKE;GLORIETA-YESO, NE				PERFS 3122-3244		
POOL RED LAKE;QUEEN-GRAYBURG-SA				Open Hole		
				PERFS 2004-2420		
				2703-2828		
				Open Hole		

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	1152	550 sxs	12.25	0' Circ
PROD	5.5	4400	1030 sxs	7.875	0' Circ

SPUD: 08/24/1999

COMP1: 09/17/1999

COMP2: 10/15/2000

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-37744		
FORM	DEPTH	OPERATOR: TARCO ENERGY LC			
7 RVRS 440 8 5/8 @ 380 TOC @ 0 5 1/2 @ 540 TOC @ 0 PERFS 421-461 TD 540		LEASENAME: MAGRUDER		WELL NO. 21	
		SURF LOC:	UL: J	SEC: 35	TWN: 17S
		1624 FSL		2306 FEL	
		BH LOC:	UL: I	SEC: 35	TWN: 17S
		1610 FSL		1645 FEL	
		TD	540	PBD	KB
				GL	DF
		POOL		PERFS 421-461	
		EMPIRE; YATES-SEVEN RIVERS		Open Hole	
		POOL		PERFS	
		Open Hole			

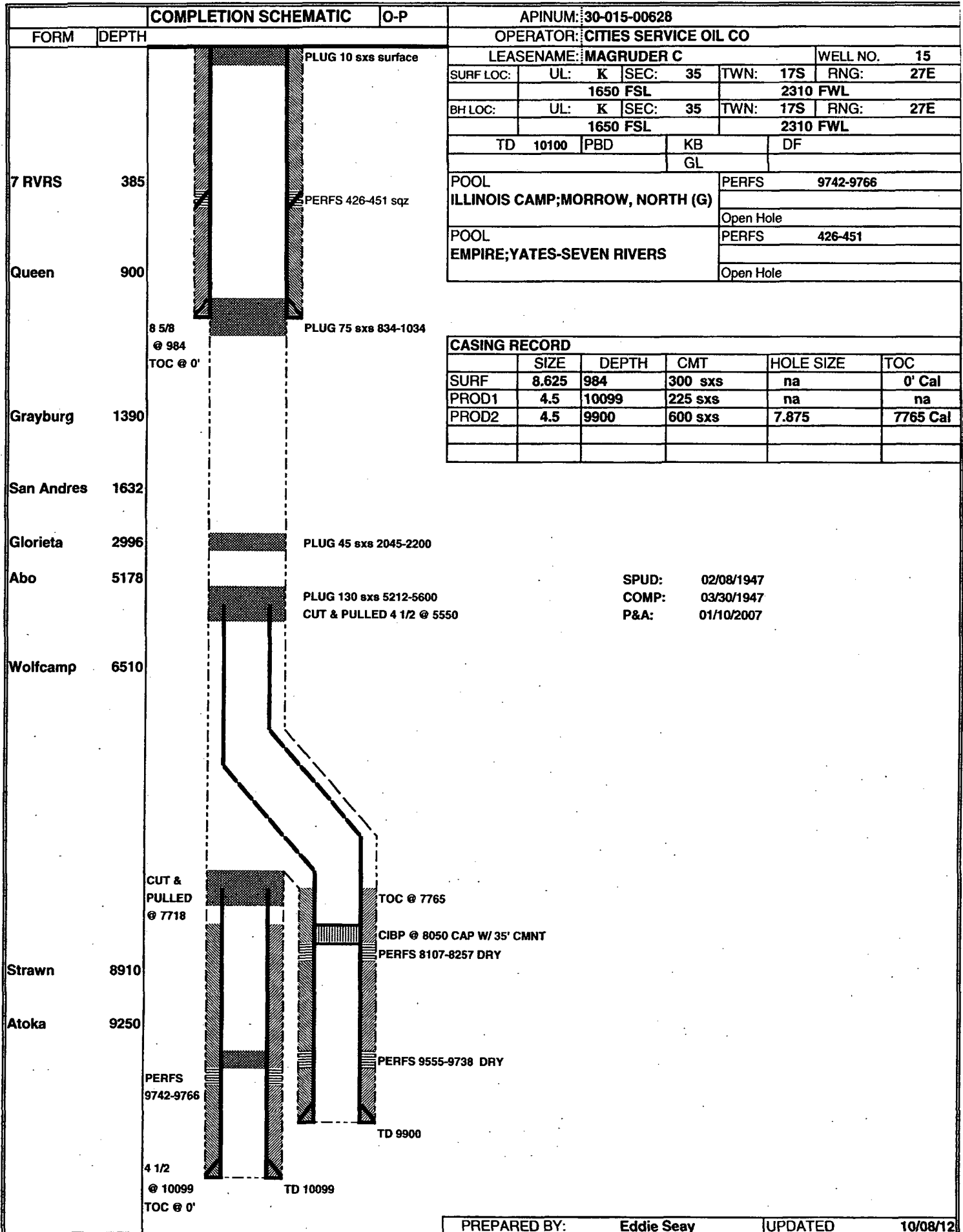
CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	380	70 sxs	12.25	0
PROD	5.5	540	95 sxs	7.875	0

SPUD: 07/22/2011

COMP: 02/14/2012

Queen

WELLBORE SCHEMATIC AND HISTORY



WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		I-A	APINUM: 30-015-00630																																													
FORM	DEPTH		OPERATOR: FAIRWAY RESOURCES OPERATING LLC																																													
7 RVRs	385		Plug 70 sxs PERF @ 60 Pump 160 sxs Tag @ 18'				LEASENAME: SOUTH RED LAKE II UNIT WELL NO. 17																																									
			SURF LOC:		UL: K	SEC: 35	TWN: 17S	RNG: 27E																																								
					2263 FSL		1650 FWL																																									
			BH LOC:		UL: K	SEC: 35	TWN: 17S	RNG: 27E																																								
					2263 FSL		1650 FWL																																									
			TD		1694	PBD	KB	DF																																								
							GL																																									
			POOL				PERFS																																									
			RED LAKE;QU-GB-SA				Open Hole 1556-1694																																									
			POOL				PERFS																																									
				Open Hole																																												
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CASING RECORD																																																
	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																											
SURF	8.25	914	PULLED	na	na																																											
INT1	7	1320	50 sxs	na	950 est																																											
PROD	4.5	1556	50 sxs	na	1250 est																																											
SPUD: 01/19/1948 COMP: 03/11/1948 P&A: 01/16/2007																																																
Queen	900		PERF @ 700 Pump 50 sxs tag @ 434																																													
			8 1/4" Casing pulled from 914'																																													
			TOC 7 @ 950																																													
			TOC 4 1/2 @ 1250																																													
Grayburg	1390		7" @ 1320 TOC 950																																													
			Plug 50 cf Tag TOC @ 1008																																													
			CIBP @ 1500 CAP W/ 25 sxs																																													
			4 1/2 @ 1556 TOC @ 1250																																													
San Andres	1632		TD 1556																																													

COMPLETION SCHEMATIC		O-P			
FORM	DEPTH				
		APINUM: 30-015-00631			
		OPERATOR: JOE L TARVER			
		LEASENAME: MAGRUDER A	WELL NO. 3		
		SURF LOC: UL: K SEC: 35 TWN: 17S RNG: 27E			
		2310 FSL	2313 FEL		
		BH LOC: UL: K SEC: 35 TWN: 17S RNG: 27E			
		2300 FSL	2313 FEL		
		TD 441 PBD KB DF			
		GL			
		POOL	PERFS		
EMPIRE;YATES- 7 RVRS		Open Hole 405-441			
POOL	PERFS	Open Hole			
CASING RECORD					
PROD	SIZE 8	DEPTH 405	CMT 25 sxs	HOLE SIZE na	TOC 265 est
SPUD: 11/10/1941					
COMP: 11/14/1941					
P&A: 06/01/1965					
PREPARED BY: Eddie Seay			UPDATED 10/08/		

SPUD: 11/10/1941
COMP: 11/14/1941
P&A: 06/01/1965

PREPARED BY:	Eddie Seay	UPDATED	10/08
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-00632			
FORM	DEPTH		OPERATOR: LEGACY RESERVES OPERATING LP			
			LEASENAME: SOUTH RED LAKE II UNIT		WELL NO. 25	
			SURF LOC:	UL: K SEC: 35	TWN: 17S	RNG: 27E
			1703 FSL		2310 FWL	
			BH LOC:	UL: K SEC: 35	TWN: 17S	RNG: 27E
			1703 FSL		2310 FWL	
			TD 2350	PBD	KB	DF
					GL	
			POOL RED LAKE; QUEEN-GB-SAN ANDRES			PERFS 2140-2204 1590-1617
						Open Hole
			POOL			PERFS
						Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	513	100 sxs	na	0 est
PROD	5.5	2348	330 sxs	na	829 est

FORMATION	DEPTH	COMPLETION
7 RVRS	385	
Queen	900	TOC 5 1/2 @ 829 est
Grayburg	1390	
San Andres	1630	PERFS 1590-1617
Glorieta	2996	PERFS 2140-2204
Abo	5170	TD 2350

SPUD: 09/14/1957

COMP: 09/30/1957

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-30438			
FORM	DEPTH		OPERATOR: LIME ROCK RESOURCES II-A, LP			
			LEASENAME: LOGAN 35 FEDERAL		WELL NO. 6	
			SURF LOC:	UL: K	SEC: 35	TWN: 17S
			1750 FSL		1680 FWL	
			BH LOC:	UL: K	SEC: 35	TWN: 17S
			1750 FSL		1680 FWL	
			TD 3597	PBD	KB	DF
					GL	
			POOL RED LAKE;GLORIETA-YESO, NE			PERFS 3075-3288
						Open Hole
			POOL RED LAKE;QUEEN-GRAYBURG-SA			PERFS 2134-2759
						Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	1135	420 sxs	12.25	0' Circ
PROD	5.5	3596	597 sxs	7.875	0' Circ

7 RVRS	320		
Queen	879	8 5/8" @ 1135 TOC 0	
Grayburg	1330		
San Andres	1610		
Glorieta	2962		PERFS 2134-2759
Yeso	3047		PERFS 3075-3288
		5 1/2 @ 3596 TOC @ 0'	TD 3597

SPUD: 12/04/1998

COMP1: 06/04/1999

COMP2: 04/18/2007

COMPLETION SCHEMATIC

O-P

APINUM: 30-015-01223

FORM

DEPTH

OPERATOR: PRE-ONGARD WELL OPERATOR

LEASENAME: PRE-ONGARD WELL

WELL NO.	2
----------	---

SURF LOC:	UL: L	SEC: 35	TWN: 17S	RNG: 27E
-----------	-------	---------	----------	----------

2310 FSL

990 FWL

BH LOC:	UL: L	SEC: 35	TWN: 17S	RNG: 27E
---------	-------	---------	----------	----------

2310 FSL

990 FWL	
---------	--

2510 FSL
PRD

DE

TD	NA	PBD	KB	DF
----	----	-----	----	----

RE	NA	FE	RE	ST
			GL	

POOL	PERFS
------	-------

Open Hole

POOL	PERFS
------	-------

[illegible]

Open Hole

SIZE	
------	--

DEPTH

CMT

[illegible]

TOC

SURF					
------	--	--	--	--	--

PROD		NO WELL FILE FOR THIS		
------	--	-----------------------	--	--

NO WELL FILE FOR THIS

SPUD:

COMP:

P&A:

7 RVRS

Queen

PREPARED BY: **Eddie Seay**

UPDATED

10/08/12

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-29633			
FORM	DEPTH		OPERATOR: LIME ROCK RESOURCES II-A, LP			
			LEASENAME: EAGLE 35 L FEDERAL		WELL NO. 2	
			SURF LOC:	UL: L	SEC: 35	TWN: 17S
			1820 FSL		960 FWL	
			BH LOC:	UL: L	SEC: 35	TWN: 17S
			1820 FSL		960 FWL	
			TD 2700	PBD	KB	DF
					GL	
			POOL			PERFS 1953-2368
			RED LAKE; QUEEN-GRAYBURG-SA			
			POOL			Open Hole
						PERFS
						Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	1171	650 sxs	12.25	0' Circ
PROD	5.5	2699	500 sxs	7.875	0' Circ

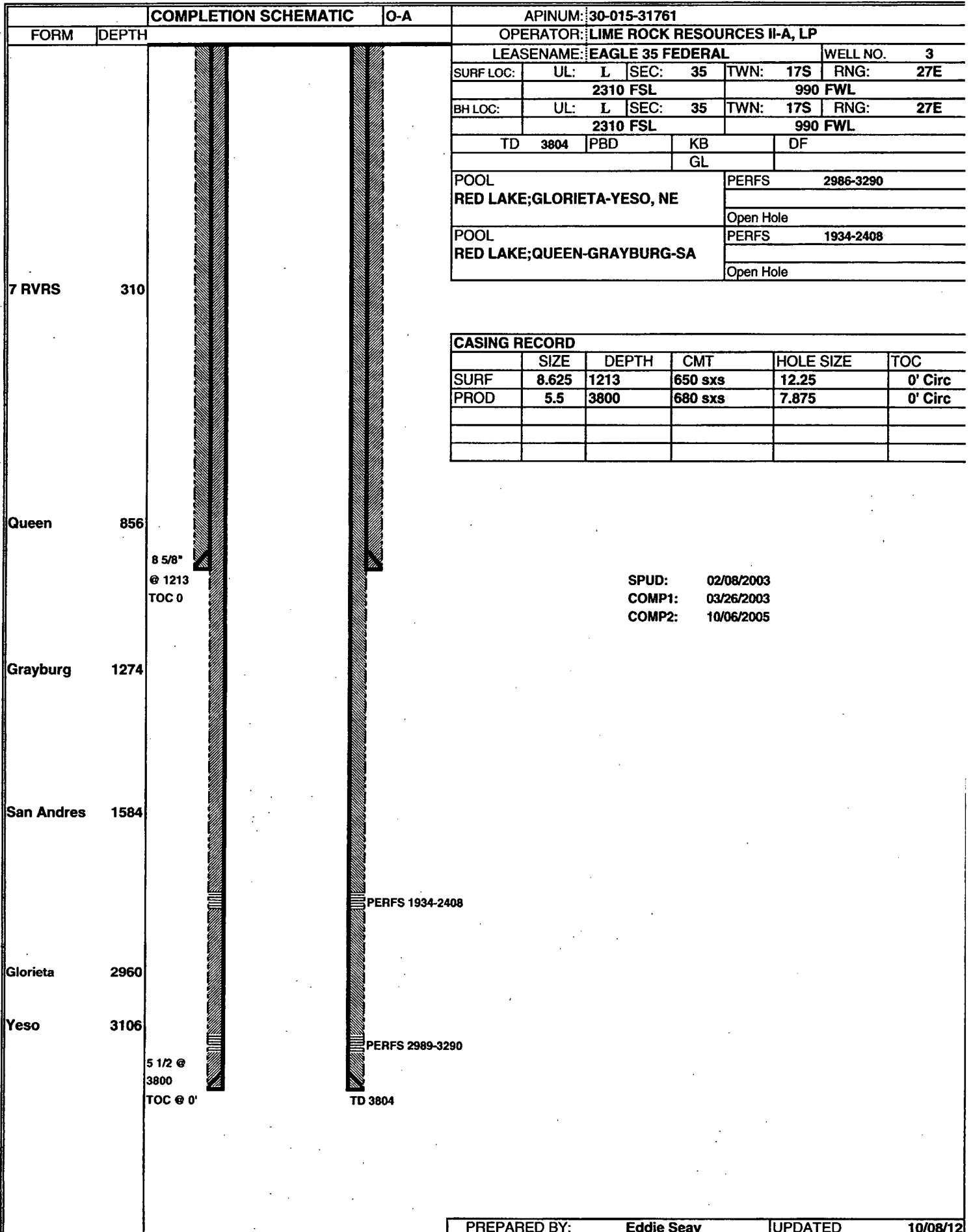
7 RVRS	270				
Queen	866	8 5/8" @ 1171 TOC 0			
Grayburg	1288				
San Andres	1594				
Glorieta	3000	5 1/2 @ 2699 TOC @ 0'	PERFS 1953-2368		
Yeso			TD 2700		

SPUD: 09/02/1997

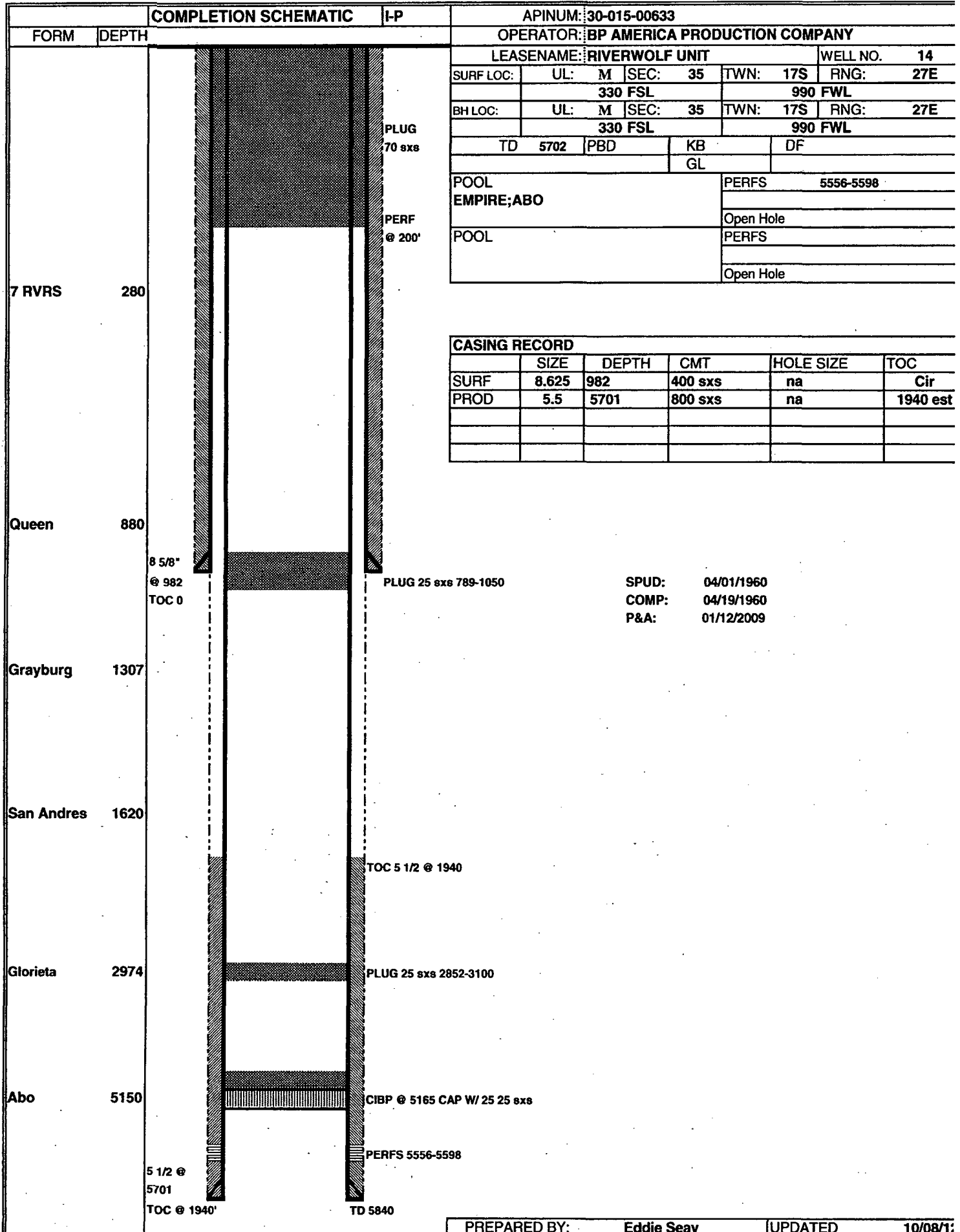
COMP1: 09/19/1997

PREPARED BY: Eddie Seay	UPDATED 10/08/12
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WELLBORE SCHEMATIC AND HISTORY



WELLBORE SCHEMATIC AND HISTORY



COMPLETION SCHEMATIC

O-A

OPERATOR: LIME ROCK RESOURCES II-A, LP

LEASENAME: LOGAN 35 FEDERAL

WELL NO.	13
----------	----

SURF LOC:	UL: M	SEC: 35	TWN: 17S	RNG: 27E
-----------	-------	---------	----------	----------

	990 FSL	990 FWL
--	---------	---------

BH LOC:	UL: M	SEC: 35	TWN: 17S	RNG: 27E
---------	-------	---------	----------	----------

	990 FSL	990 FWL
--	---------	---------

TD	3800	PBD	KB	DF
----	------	-----	----	----

GL	
DATE	2001-03-21

POOL	PERFS	3061-3274
RED LAKE;GLORIETA-YESO, NE		

Open Hole

POOL	PERFS	1989-2922
RED LAKE;QUEEN-GRAYBURG-SA		

Open Hole

SIZE	DEPTH	CMT	HOLE SIZE	TOC
------	-------	-----	-----------	-----

SURF	8.625	1141	500 sxs	12.25	0' Circ
------	-------	------	---------	-------	---------

PROD	5.5	3795	700 sxs	7.875	0' Circ
------	-----	------	---------	-------	---------

--	--	--	--	--	--

--	--	--	--	--	--

SPUD: 12/27/2000

COMP1: 01/03/2001

COMP2: 05/02/2007

8 5/8"
@ 1141
TOC 0

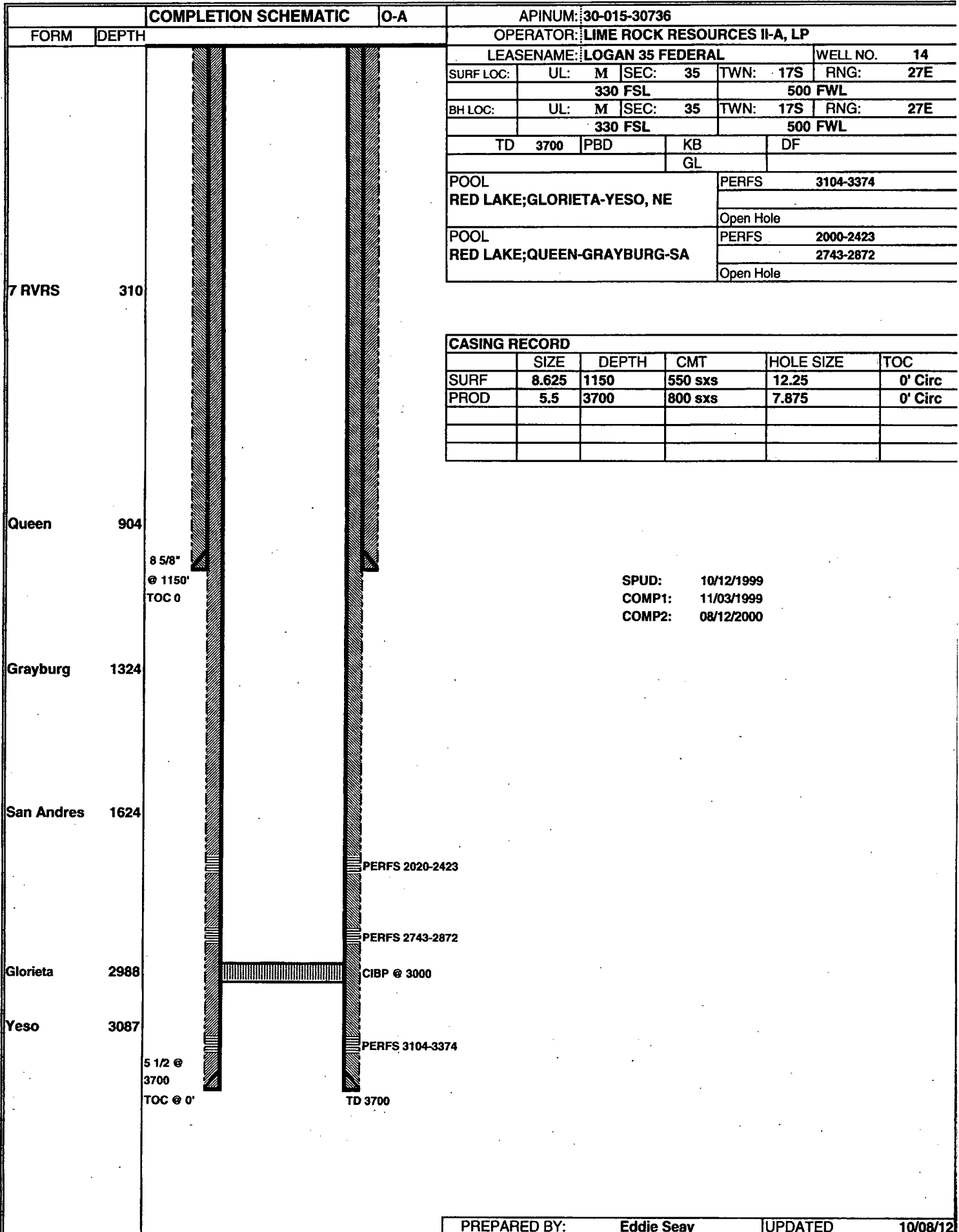
5 1/2 @
3795
TOC @ 0'

TD 3800

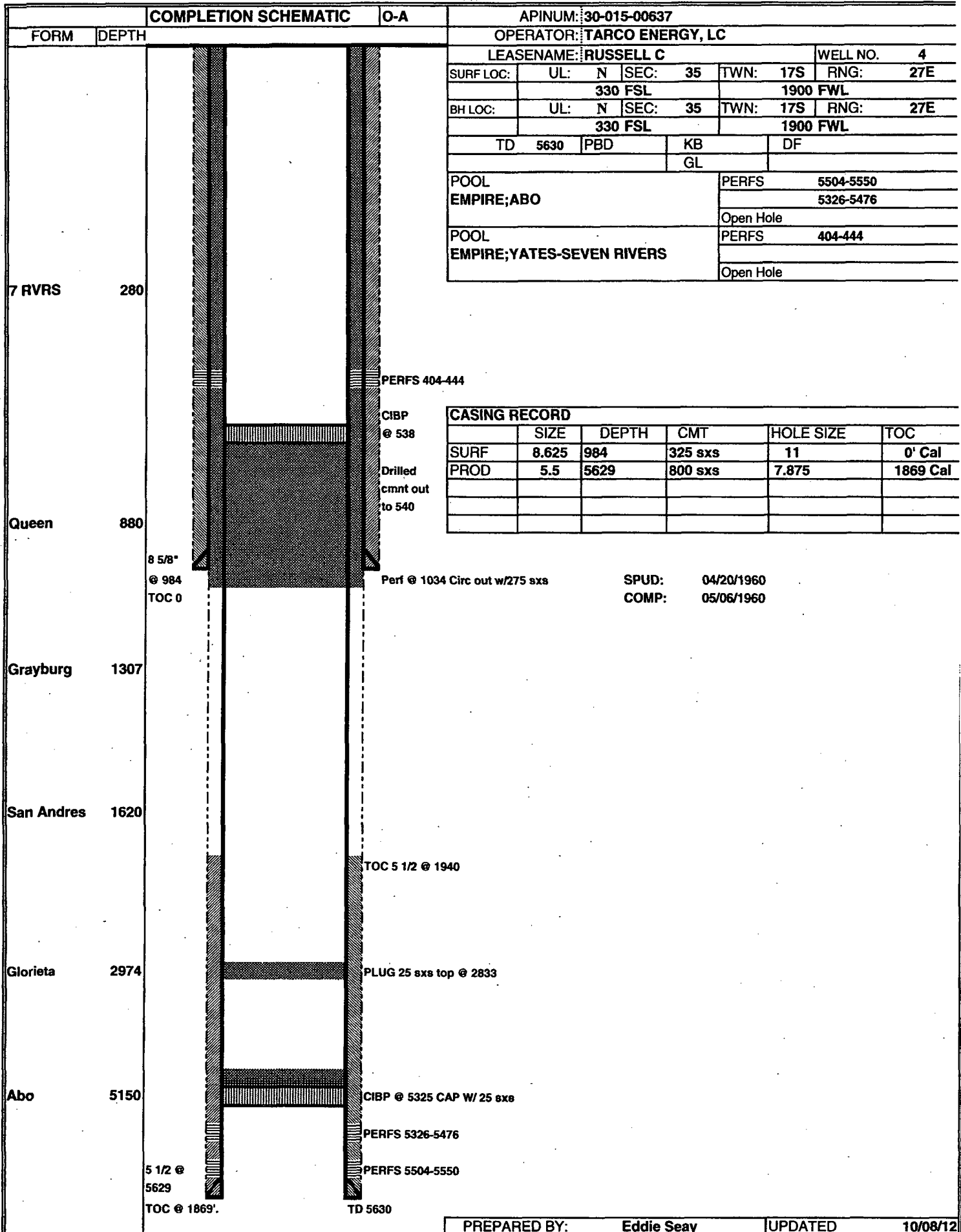
PERFS 1989-2922

PERFS 3061-3274

WELLBORE SCHEMATIC AND HISTORY



WELLBORE SCHEMATIC AND HISTORY



WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-P	APINUM: 30-015-00638			
FORM	DEPTH		OPERATOR: TARCO ENERGY, LC			
PLUG 0-431' 1) 25 sxs Class C 2) Ready mix to surf		LEASENAME: RUSSELL C		WELL NO. 6		
		SURF LOC: UL: N SEC: 35 TWN: 17S RNG: 27E		1009 FSL 2297 FWL		
		BH LOC: UL: N SEC: 35 TWN: 17S RNG: 27E		1009 FSL 2297 FWL		
		TD 431 PBD KB DF		GL		
		POOL		PERFS		
		EMPIRE; YATES-SEVEN RIVERS		Open Hole 380-431		
		POOL		PERFS		
				Open Hole		

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	8	380	25 sxs	10	340 est

7 RVRS 280

8 @ 380
TOC @ 340

Queen 880

TD 431

TOC @ 340

SPUD: 11/29/1941

COMP: 12/06/1941

P&A: 09/05/2007

COMPLETION SCHEMATIC		I-A	APINUM: 30-015-00644																																					
FORM	DEPTH		OPERATOR: FAIRWAY RESOURCES OPERATING LLC																																					
7 RVRs	280	READY MIX 0-106'	LEASENAME: SOUTH RED LAKE II UNIT																																					
			WELL NO. 31																																					
			SURF LOC:	UL: N SEC: 35 TWN: 17S RNG: 27E																																				
			330 FSL 2310 FWL																																					
			BH LOC:	UL: N SEC: 35 TWN: 17S RNG: 27E																																				
			330 FSL 2310 FWL																																					
			TD 1623	PBD KB DF																																				
			GL																																					
			POOL RED LAKE; QUEEN-GB-SAN ANDRES																																					
			PERFS																																					
Open Hole 947-1623																																								
POOL																																								
PERFS																																								
Open Hole																																								
<table border="1"> <thead> <tr> <th colspan="6">CASING RECORD</th> </tr> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>SURF</td> <td>10</td> <td>460</td> <td>No cmnt</td> <td>na</td> <td>0</td> </tr> <tr> <td>PROD</td> <td>8.25</td> <td>947</td> <td>No cmnt</td> <td>na</td> <td>0</td> </tr> <tr> <td colspan="6">USED NO CMNT WHE SETTING CASING IN 1927</td> </tr> <tr> <td colspan="6">Circ cmnt on all strings when well plugged circ 20 sxs</td> </tr> </tbody> </table>					CASING RECORD							SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF	10	460	No cmnt	na	0	PROD	8.25	947	No cmnt	na	0	USED NO CMNT WHE SETTING CASING IN 1927						Circ cmnt on all strings when well plugged circ 20 sxs					
CASING RECORD																																								
	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																			
SURF	10	460	No cmnt	na	0																																			
PROD	8.25	947	No cmnt	na	0																																			
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TOC @ ??? 10" @ 460 TOC ??? Tag TOP cmnt plug @ 106'																																								
Queen	880		SPUD: 08/08/1927 COMP: 09/13/1927 P&A: 01/19/2007																																					
Grayburg	1310																																							
San Andres	1620	TD 1623																																						
8 1/4 @ 947 TOC @ ???																																								

PREPARED BY: Eddie Seay UPDATED: 10/08/12

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		I-A		APINUM: 30-015-00645	
FORM	DEPTH	OPERATOR: LEGACY RESERVES OPERATING LP			
		LEASENAME: SOUTH RED LAKE II UNIT		WELL NO. 32	
		SURF LOC:	UL: N SEC: 35	TWN: 17S	RNG: 27E
		330 FSL		1650 FWL	
		BH LOC:	UL: N SEC: 35	TWN: 17S	RNG: 27E
		330 FSL		1650 FWL	
		TD 1630	PBD	KB	DF
				GL	
		POOL RED LAKE;QUEEN-GB-SAN ANDRES			PERFS
					Open Hole 1217-1630
		POOL			PERFS
					Open Hole

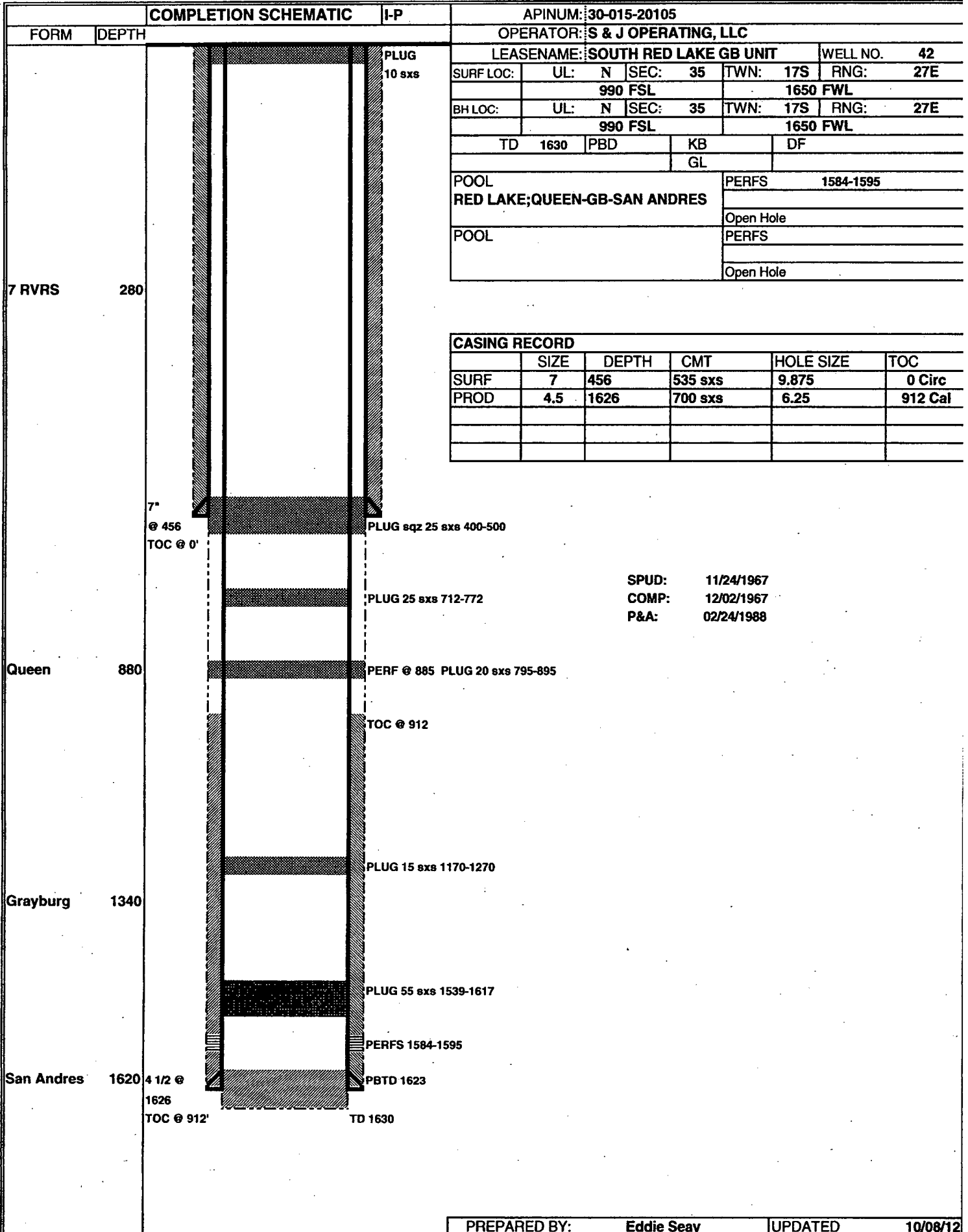
CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	12.5	713	No cmnt	na	na
PROD	10	1217	No cmnt	na	na
NO CMNT REPORTED WHEN SETTING CASING IN 1926					
1991 MIT annulus would not hold pressure					

7 RVRS	280				
		12 1/2" @ 713			
Queen	880				
		10 @ 1217			
Grayburg	1310				
San Andres	1620				
		TD 1630			

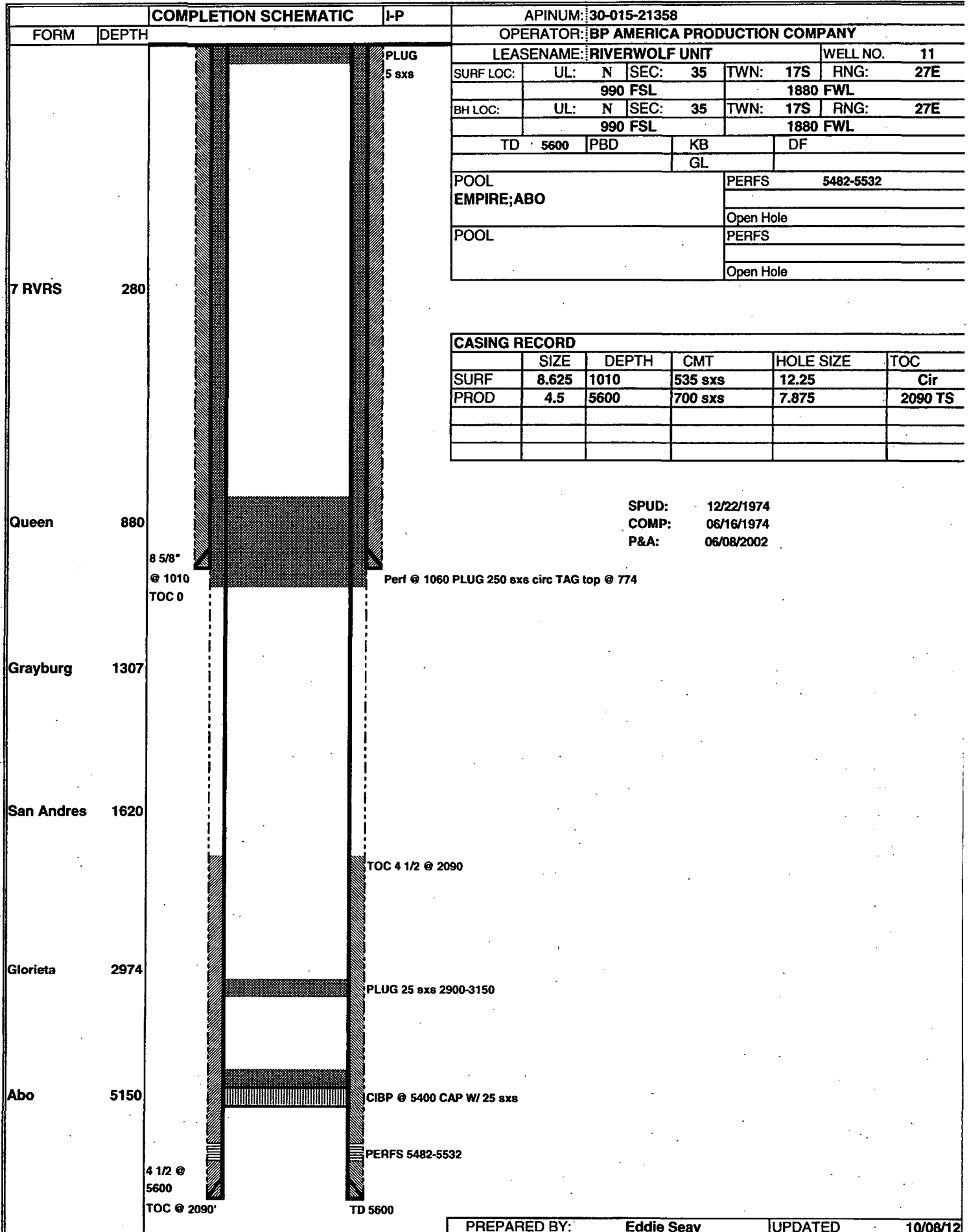
SPUD: 05/15/1926

COMP: 07/01/1926

WELLBORE SCHEMATIC AND HISTORY



WELLBORE SCHEMATIC AND HISTORY



WELLBORE SCHEMATIC AND HISTORY

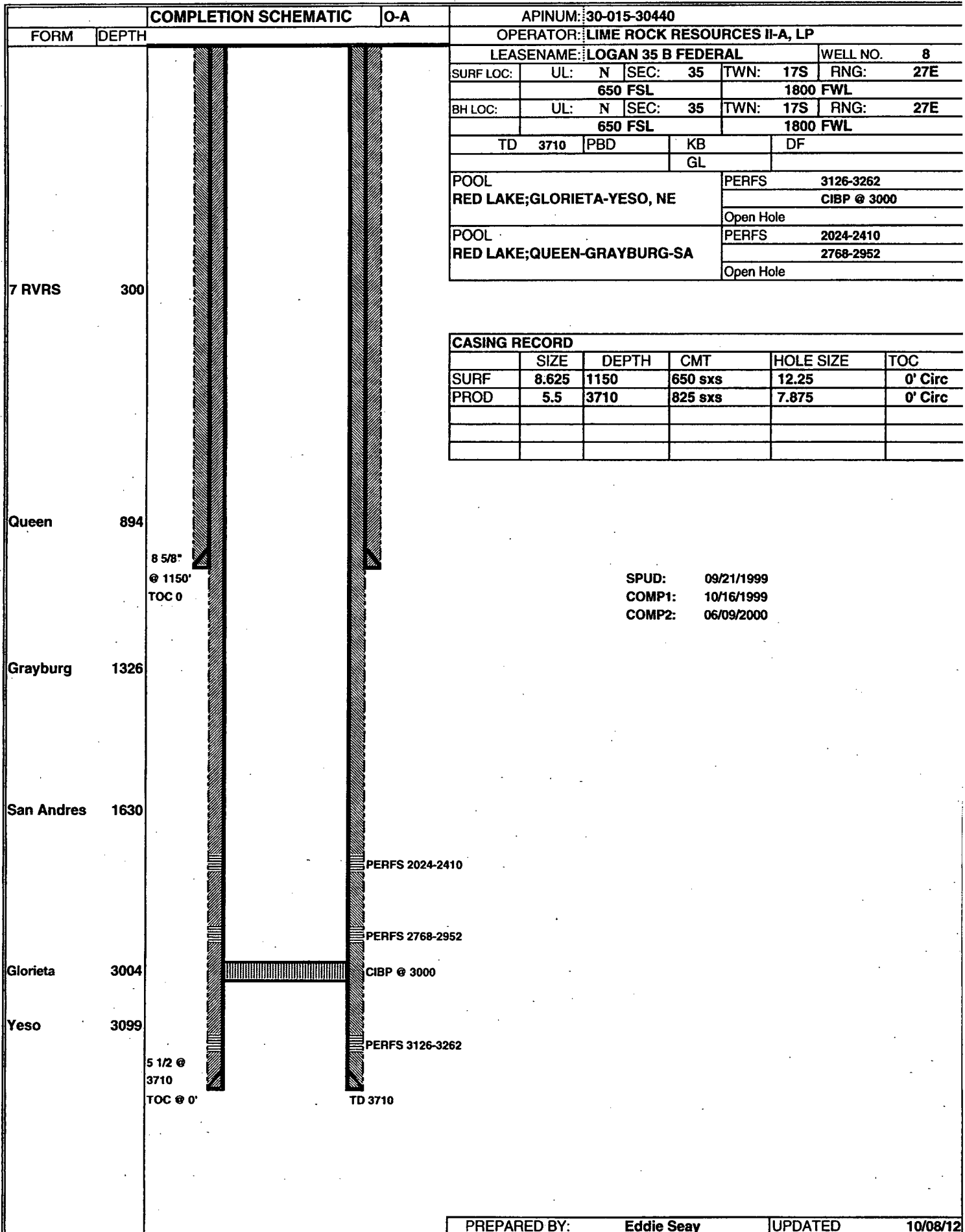
COMPLETION SCHEMATIC		O-A	APINUM: 30-015-30439	
FORM	DEPTH		OPERATOR: LIME ROCK RESOURCES II-A, LP	
			LEASENAME: LOGAN 35 B FEDERAL	
			WELL NO. 7	
			SURF LOC: UL: N SEC: 35 TWN: 17S RNG: 27E	
			1090 FSL 2120 FWL	
			BH LOC: UL: N SEC: 35 TWN: 17S RNG: 27E	
			1090 FSL 2120 FWL	
			TD 3800 PBD KB DF	
			GL	
			POOL RED LAKE;GLORIETA-YESO, NE	
			PERFS 3123-3356	
			Open Hole	
			POOL RED LAKE;QUEEN-GRAYBURG-SA	
			PERFS 2016-2404	
			2747-2798	
			Open Hole	

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	1144	500 sxs	11	0' Circ
PROD	5.5	3797	900 sxs	7.875	0' Circ

7 RVRS	290		
Queen	889	8 5/8" @ 1144 TOC 0	
Grayburg	1318		
San Andres	1625		
Glorieta	2998		PERFS 2016-2404
Yeso	3086		PERFS 2747-2798
		5 1/2" @ 3797 TOC @ 0'	PERFS 3123-3356
			TD 3800

SPUD:	12/16/2000
COMP1:	01/12/2001
COMP2:	07/25/2001

WELLBORE SCHEMATIC AND HISTORY



WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-36073				
FORM	DEPTH	OPERATOR: TARCO ENERGY LC					
7 RVRS 300 4 1/2 @ 520' TOC @ 0' Queen 845 PERFS 403-442' TD 520		LEASENAME: RUSSELL C		WELL NO. 6X			
		SURF LOC:	UL: N	SEC: 35	TWN: 17S	RNG: 27E	
		999 FSL		2297 FWL			
		BH LOC:	UL: N	SEC: 35	TWN: 17S	RNG: 27E	
		999 FSL		2297 FWL			
		TD 520	PBD	KB	DF		
				GL			
		POOL				PERFS 403-442	
EMPIRE; YATES-SEVEN RIVERS				Open Hole			
POOL				PERFS			
				Open Hole			

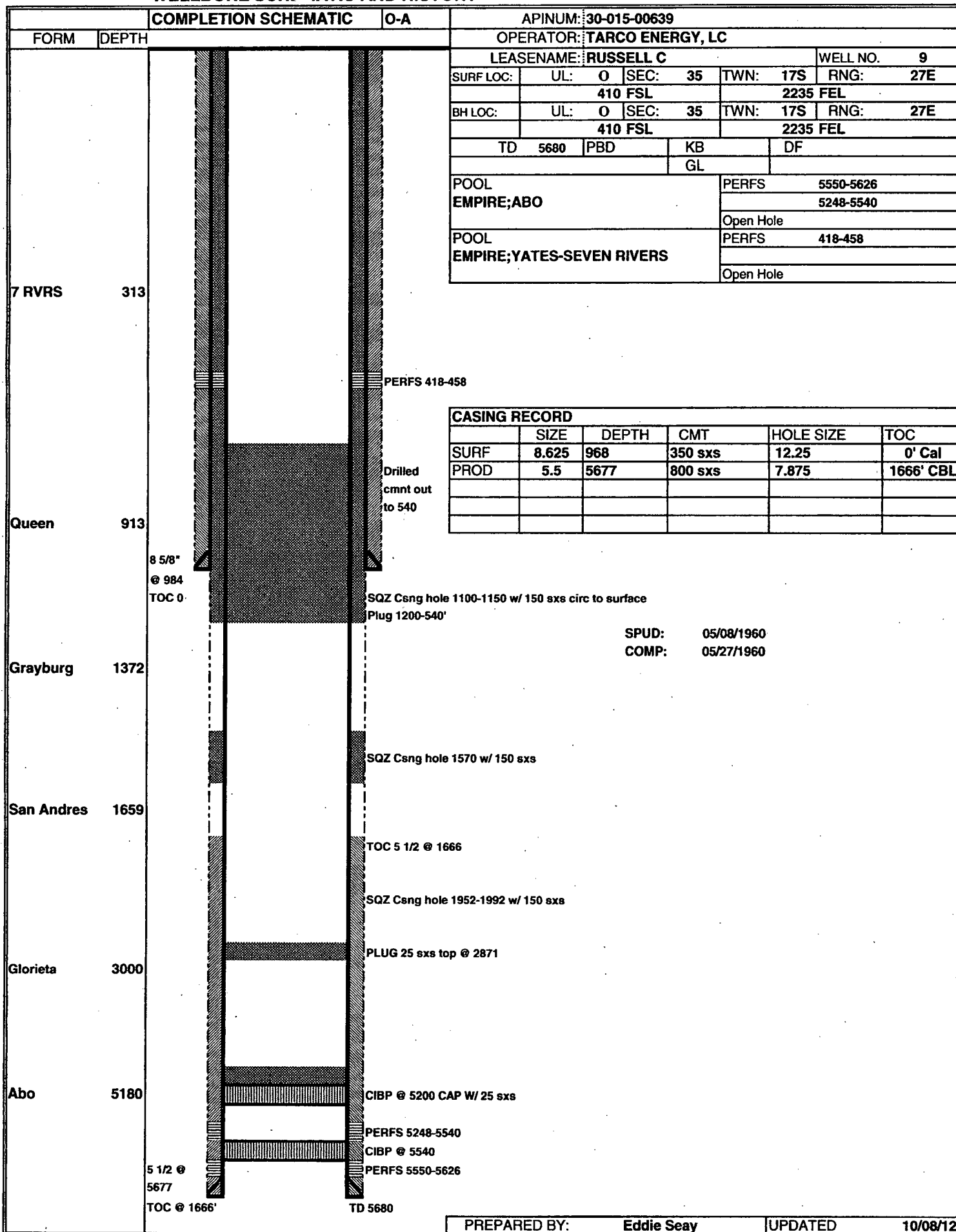
CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	4.5	520	92 sxs	7.875	0' Circ

SPUD: 06/01/2008

COMP: 07/29/2008

P&A:

WELLBORE SCHEMATIC AND HISTORY



PREPARED BY: Eddie Seay | UPDATED 10/08/12

		COMPLETION SCHEMATIC		O-P		APINUM: 30-015-00640	
FORM		DEPTH		OPERATOR: PRE-ONGARD WELL OPERATOR			
				LEASENAME: PRE-ONGARD WELL			WELL NO. 8
				SURF LOC: UL: 0 SEC: 35		TWN: 17S	RNG: 27E
				450 FSL		1650 FEL	
				BH LOC: UL: 0 SEC: 35		TWN: 17S	RNG: 27E
				450 FSL		1650 FEL	
				TD NA PBD		KB	DF
						GL	
				POOL			PERFS
							Open Hole
				POOL			PERFS
							Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF					
PROD	NO WELL FILE FOR THIS				

7 RVRS

310

Queen

910

SPUD:

COMP:

P&A:

PREPARED BY: Eddie Seay	UPDATED 10/08/12
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PREPARED BY:	Eddie Seay	UPDATED	10/08/12
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-P	APINUM: 30-015-00641			
FORM	DEPTH	OPERATOR: TARCO ENERGY, LC				
		LEASENAME: RUSSELL C		WELL NO. 7		
		SURF LOC:	UL: 0	SEC: 35	TWN: 17S	RNG: 27E
		395 FSL		1622 FEL		
		BH LOC:	UL: 0	SEC: 35	TWN: 17S	RNG: 27E
		395 FSL		1622 FEL		
		TD 477	PBD	KB	DF	
				GL		
		POOL EMPIRE; YATES-SEVEN RIVERS		PERFS		
				Open Hole 432-477		
		POOL		PERFS		
		Open Hole				

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	8.25	432	25 sxs	na	440 est

SPUD: 12/14/1942

COMP: 12/30/1942

P&A: 02/17/1977

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-P	APINUM: 30-015-00642			
FORM	DEPTH					
		OPERATOR: JOE L TARVER		WELL NO. 5		
		LEASENAME: RUSSELL C				
		SURF LOC:	UL: 0	SEC: 35	TWN: 17S	RNG: 27E
		1002 FSL		1633 FEL		
		BH LOC:	UL: 0	SEC: 35	TWN: 17S	RNG: 27E
		1002 FSL		1633 FEL		
		TD	476	PBD	KB	DF
				GL		
		POOL EMPIRE; YATES-SEVEN RIVERS			PERFS	
					Open Hole 402-476	
POOL			PERFS			
			Open Hole			

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	8	402	25 sxs	10	365 Cal

SPUD: 10/08/1941

COMP: 10/17/1941

P&A: 11/18/1976

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		I-A	APINUM: 30-015-00643					
FORM	DEPTH		OPERATOR: FAIRWAY RESOURCES OPERATING LLC					
7 RVRS	305		SURF LOC:		UL: O	SEC: 35	TWN: 17S	RNG: 27E
			BH LOC:		UL: O	SEC: 35	TWN: 17S	RNG: 27E
			TD		1624	PBD	KB	DF
			GL					
			POOL				PERFS	
			RED LAKE;QU-GB-SA				Open Hole na-1624	
			POOL				PERFS	
							Open Hole	
Queen	915		Plug 25 sx 0-125 TOC ???? Perf 4 1/2 @ 600' SQZ 50 sxs circ to surface fell back 57' Perf @ 503 sqz 250 sxs circ to surf on annulus PERF & sqz 25 sx TOC Plug @ 670 TOC @ 890 PERF @ 998 SQZ 40 sxs TAG top of plug @ 824 TOC PLUG @ 1258 TOC UNKNOWN CIBP @ 1460 cap w/ 55' cmnt SETTING DEPTH 6 5/8 UNKNOWN (Probably top of shot hole)					
			10" @ 453 TOC ???					
			8 1/4" @ 948 TOC 890					
			6 5/8 @ NA TOC @ NA					
			7 RVRB					
			1375					
			Grayburg					
			1660					
			San Andres					
			TD 1624					

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	10	453	na	na	na
INT1	8.25	948	50 sxs	na	890 est
PROD	6.625	na	na	na	na

SPUD: 10/19/1927
 COMP: na
 P&A: 09/17/2008

COMPLETION SCHEMATIC

LA

APINUM: 30-015-01222

OPERATOR: FAIRWAY RESOURCES OPERATING LLC

LEASENAME: SOUTH RED LAKE II UNIT

WELL NO.	30
----------	----

SURF LOC:	UL: 0	SEC: 35	TWN: 17S	RNG: 27E
-----------	-------	---------	----------	----------

	330 FSL
--	---------

2310 FEL

BH LOC:	UL: 0	SEC: 35	TWN: 17S	RNG: 27E
---------	-------	---------	----------	----------

	330 FSL
--	---------

2310 FEL

TD	1638	PBD	KB	DF
----	------	-----	----	----

GL	
----	--

POOL	PERFS
------	-------

RED LAKE;QU-GB-SA

Open Hole	na-1624
-----------	---------

POOL	PERFS
------	-------

Open Hole

7 RVRS

305

!Perf 4 1/2 @ 600' SQZ 50 sxs circ to surface fell back 57'

10"
@ 435
TOC ???

Perf @ 485 sqz 40 sxs circ TOC @ 280

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	10	435	na	na	na
INT1	8.25	948	na	na	na
PROD	6.625	na	na	na	na
No indications in well file of cmnt run on surface & intermediate					

SPUD: 02/14/1927
COMP: 03/12/1927
P&A: 02/05/2009

Queen

915

8 1/4"
@ 948
TOC ???

PERF @ 999 SQZ 40 sxs TAG top of plug @ 780

Grayburg

1375

PLUG 25 8x8 1309-1624

TOC 6 5/8 UNKNOWN

6 5/8 @
NA
TOC @ NA'

SETTING DEPTH 6 5/8 UNKNOWN (Probably top of shot hole

San Andres

1660

TD 1638

PREPARED BY: **Eddie Seay**

UPDATED

10/08/12

COMPLETION SCHEMATIC

O-A

APINUM: 30-015-36213

OPERATOR: TARCO ENERGY LC

LEASENAME:RUSSELL C

WELL NO: 5Y

SURF LOC:	UL: 0	SEC: 35	TWN: 17S	RNG: 27E
-----------	-------	---------	----------	----------

	1052 FSL	1643 FEL
--	----------	----------

BH LOC:	UL: 0	SEC: 35	TWN: 17S	RNG: 27E
---------	-------	---------	----------	----------

	1052 FSL	1643 FEL
--	----------	----------

TD	530	PBD	KB	DF
----	-----	-----	----	----

GL	
----	--

POOL	PERFS	442-514
------	-------	---------

EMPIRE:YATES-SEVEN RIVERS	Open Hole
----------------------------------	-----------

POOL	PERFS
------	-------

Open Hole

CASING RECORD

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	4.5	530	75 sxs	6.75	0' Circ

7 RVRS

280

PERFS 442-514'

SPUD: 01/16/2006

COMP: 01/22/2006

4 1/2 @

530

TOC @ 0'

TD 530

Queen

PREPARED BY: **Eddie Seay**

UPDATED

10/08/12

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-37762	
FORM	DEPTH	OPERATOR: TARCO ENERGY LC		
		LEASENAME: RUSSELL C		WELL NO. 7Y
		SURF LOC: UL: 0 SEC: 35	TWN: 17S	RNG: 27E
		445 FSL		1622 FEL
		BH LOC: UL: 0 SEC: 35	TWN: 17S	RNG: 27E
		445 FSL		1622 FEL
		TD 510	PBD	KB
				DF
				GL
		POOL		PERFS 446-486
		EMPIRE; YATES-SEVEN RIVERS		Open Hole 489-510
		POOL		PERFS
				Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	4.5	489	65 sxs	na	0' Circ

7 RVRS 280

4 1/2 @ 489

TOC @ 0'

TD 510'

PERFS 446-486'

Queen 845

SPUD: 11/15/2005

COMP: 01/31/2006

P&A:

COMPLETION SCHEMATIC		I-P	APINUM: 30-015-00629																																											
FORM	DEPTH	OPERATOR: BP AMERICA PRODUCTION COMPANY																																												
7 RVRS	380	LEASENAME: RIVERWOLF UNIT			WELL NO. 13																																									
		SURF LOC:	UL: P	SEC: 35	TWN: 17S	RNG: 27E																																								
		330 FSL			480 FEL																																									
		BH LOC:	UL: P	SEC: 35	TWN: 17S	RNG: 27E																																								
		330 FSL			480 FEL																																									
		TD 5840	PBD	KB	DF																																									
					GL																																									
		POOL EMPIRE; ABO			PERFS 5750-5804																																									
					Open Hole																																									
		POOL			PERFS																																									
			Open Hole																																											
<table border="1"> <thead> <tr> <th colspan="6">CASING RECORD</th> </tr> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>SURF</td> <td>8.625</td> <td>1067</td> <td>400 sxs</td> <td>na</td> <td>54 Cal</td> </tr> <tr> <td>PROD</td> <td>5.5</td> <td>5840</td> <td>800 sxs</td> <td>na</td> <td>952 Cal</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					CASING RECORD							SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF	8.625	1067	400 sxs	na	54 Cal	PROD	5.5	5840	800 sxs	na	952 Cal																		
CASING RECORD																																														
	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																									
SURF	8.625	1067	400 sxs	na	54 Cal																																									
PROD	5.5	5840	800 sxs	na	952 Cal																																									
Queen	984	TOC @ 54																																												
		7" @ 1295 TOC 420																																												
Grayburg	1398	TOC 5 1/2 @ 952																																												
San Andres	1730																																													
Glorieta	3100																																													
Abo	5170	PERFS 5750-5804																																												
		5 1/2 @ 5840 TOC @ 952'																																												
		TD 5840																																												

SPUD: 03/09/1960

COMP: 03/28/1960

P&A: 01/06/2009

PREPARED BY: Eddie Seay

UPDATED: 10/08/12

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-P	APINUM: 30-015-00635		
FORM	DEPTH	OPERATOR: JOE L TARVER			
PLUG 150 sxs 10-504' TOC @ 310 TD 504 7 RVRS 380 Queen 980		LEASENAME: MAGRUDER A		WELL NO. 4	
		SURF LOC:	UL: P	SEC: 35	TWN: 17S
		332 FSL		RNG: 27E	990 FEL
		BH LOC:	UL: P	SEC: 35	TWN: 17S
		332 FSL		RNG: 27E	990 FEL
		TD 504	PBD	KB	DF
				GL	
		POOL EMPIRE; YATES-SEVEN RIVERS			PERFS
					Open Hole 453-502
		POOL			PERFS
			Open Hole		

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	8	471	25 sxs	na	330 est

SPUD: 12/15/1941

COMP: 12/23/1941

P&A: 02/11/1977

PREPARED BY: Eddie Seay	UPDATED 10/08/12
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-P	APINUM: 30-015-00636			
FORM	DEPTH		OPERATOR: PATON BROTHERS			
			LEASENAME: MAGRUDER			WELL NO. 5
			SURF LOC:	UL: P	SEC: 35	TWN: 17S
						RNG: 27E
			990 FSL			970 FEL
			BH LOC:	UL: P	SEC: 35	TWN: 17S
						RNG: 27E
			990 FSL			970 FEL
			TD 502	PBD	KB	DF
				GL		
			POOL			PERFS
			EMPIRE; YATES-SEVEN RIVERS			
						Open Hole 453-502
			POOL			PERFS
						Open Hole

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	8.25	453	25 sxs	na	330 est

7 RVRS

Queen

PLUG 0-450'

TOC @ 330

TD 502

8 @ 453

380 TOC @ 330

980

SPUD: 12/15/1941

COMP: 12/23/1941

P&A: 05/14/1948

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		I-P	APINUM: 30-015-20104			
FORM	DEPTH	OPERATOR: FAIRWAY RESOURCES OPERATING LLC				
7 RVRS 380 Queen 980 Grayburg 1400 San Andres 1730 PLUG 0-60' 10 3/4" @ 100 PLUG 25 sxs @ 700 tag top @ 382 CIBP @ 1600 cap w/ 25 sxs PERFS 1679-1688 4 1/2 @ 1712 TOC @ 0 TD 1712		LEASENAME: SOUTH RED LAKE II UNIT		WELL NO. 41		
		SURF LOC: UL: P SEC: 35 TWN: 17S RNG: 27E		990 FEL		
		BH LOC: UL: P SEC: 35 TWN: 17S RNG: 27E		990 FEL		
		TD 1630 PBD KB DF		GL		
		POOL RED LAKE; QUEEN-GB-SAN ANDRES		PERFS 1679-1688		
		POOL		Open Hole		
				PERFS		
				Open Hole		

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	10.75	100	No cmnt	17	na
PROD	4.5	1712	445 sxs	7.875	0 Circ

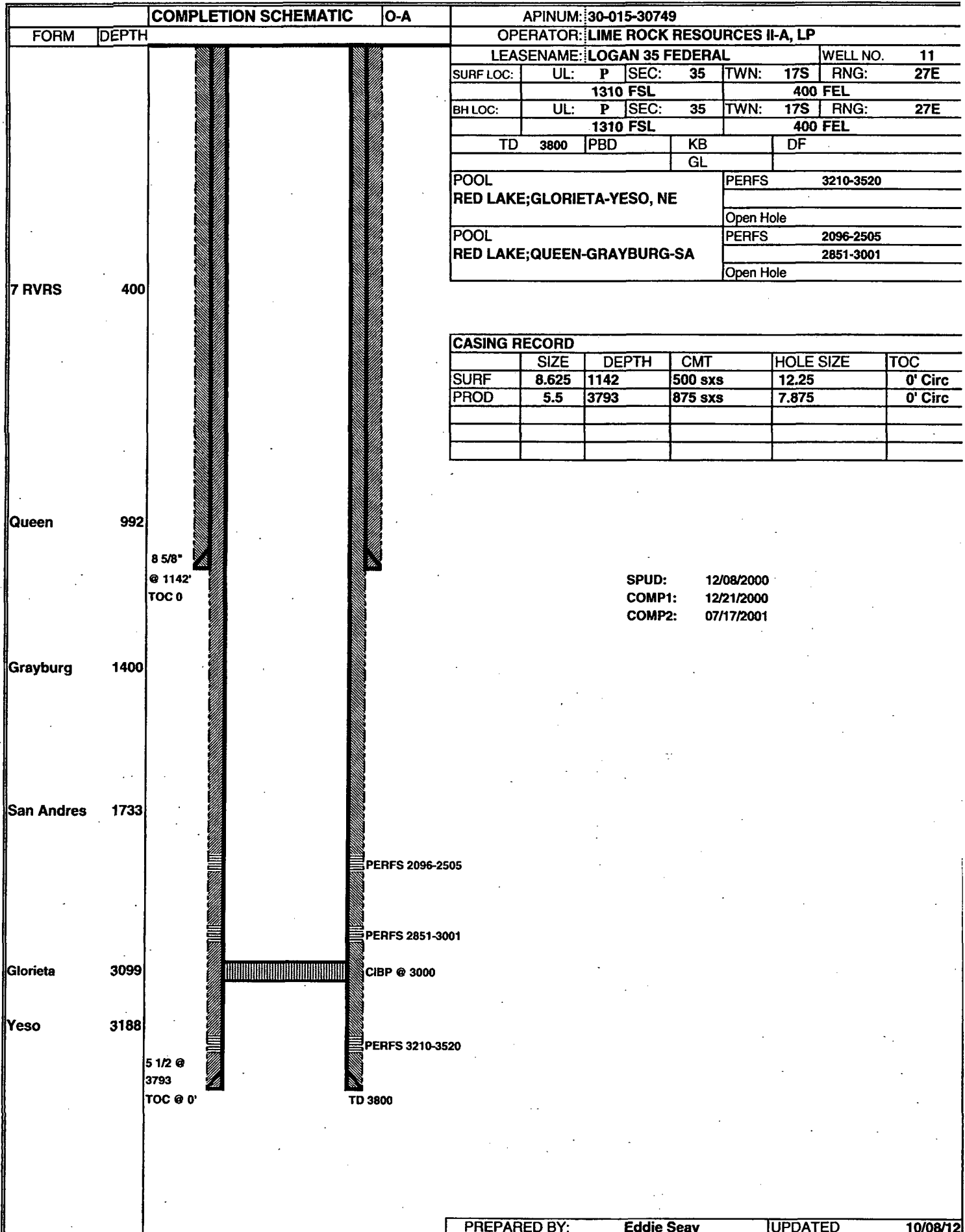
Original TOC 4 1/2 @ 197' sqz 328 sxs circ

SPUD: 11/17/1967

COMP: 12/02/1967

P&A: 01/18/2007

WELLBORE SCHEMATIC AND HISTORY



WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-30750			
FORM	DEPTH		OPERATOR: LIME ROCK RESOURCES II-A, LP			
			LEASENAME: LOGAN 35 FEDERAL			WELL NO. 1
			SURF LOC:	UL: P	SEC: 35	TWN: 17S
			580 FSL			1030 FEL
			BH LOC:	UL: P	SEC: 35	TWN: 17S
			580 FSL			1030 FEL
			TD	3800	PBD	KB
						DF
						GL
			POOL RED LAKE; GLORIETA-YESO, NE			PERFS 3216-3334
						Open Hole
			POOL RED LAKE; QUEEN-GRAYBURG-SA			PERFS 2266-2506
						2796-3002
						Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	1145	420 sxs	12.25	0' Circ
PROD	5.5	3798	597 sxs	7.875	0' Circ

7 RVRS	320	
Queen	947	
		8 5/8" @ 1145 TOC 0
Grayburg	1358	
San Andres	1678	
Glorieta	3030	
Yeso	3105	
		5 1/2" @ 3798 TOC @ 0'

SPUD: 11/30/2000
 COMP1: 12/15/2000
 COMP2: 08/23/2001

		PERFS 2266-2506
		PERFS 2796-3002
		PERFS 3216-3334
		TD 3800

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-00662																																																			
FORM	DEPTH		OPERATOR: B L & W B ACREY																																																			
PLUG 2 SXS FILLED HOLE WITH MUD			LEASENAME: STATE		WELL NO. 2																																																	
			SURF LOC:	UL: M	SEC: 36	TWN: 17S	RNG: 27E																																															
			330 FSL		330 FWL																																																	
			BH LOC:	UL: M	SEC: 36	TWN: 17S	RNG: 27E																																															
			330 FSL		330 FWL																																																	
			TD	592	PBD	KB	DF																																															
					GL																																																	
			POOL		PERFS																																																	
			EMPIRE; YATES-SEVEN RIVERS		Open Hole ???-592																																																	
			POOL		PERFS																																																	
				Open Hole																																																		
<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th colspan="6">CASING RECORD</th> </tr> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>PROD</td> <td>5.5</td> <td>na</td> <td>na</td> <td>na</td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>							CASING RECORD							SIZE	DEPTH	CMT	HOLE SIZE	TOC	PROD	5.5	na	na	na																															
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	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																																	
PROD	5.5	na	na	na																																																		
7 RVRS	360		PULLED CSNG @ 390'																																																			
		5 1/2 @ ??? TOC @ ???'																																																				
		TD ???																																																				
Queen	845		SPUD: ???? COMP: ???? P&A: 10/24/1942																																																			

[illegible]

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	7	1240	150 sxs cmnt	8	240' est
			50 sxs mud		

SPUD: 01/25/1948
COMP: 03/04/1948

TA EXPIRES: 03/01/2014

PREPARED BY:	Eddie Seay	UPDATED	10/08/12
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-00718		
FORM	DEPTH	OPERATOR: BRAINARD & GUY			
7 RVRS 330 7 @ 478 TOC @ 0' Queen 845 PLUG 2 SXS TOC @ ???? PLUG 3 SXS PLUG 5 SXS TD 512	LEASENAME: STATE		WELL NO. 2		
	SURF LOC:	UL: A	SEC: 35	TWN: 17S	RNG: 27E
	330 FNL		610 FEL		
	BH LOC:	UL: A	SEC: 35	TWN: 17S	RNG: 27E
	330 FNL		610 FEL		
	TD	512	PBD	KB	DF
			GL		
	POOL			PERFS	
	DRY & ABANDONED			Open Hole 478-512	
	POOL			PERFS	
			Open Hole		

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
PROD	7	478	NA	8	NA

SPUD: 01/10/1942

COMP: 03/18/1942

P&A: 04/09/1942

PREPARED BY: Eddie Seay	UPDATED 10/08/12
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COMPLETION SCHEMATIC		O-A		APINUM: 30-015-00721	
FORM	DEPTH	OPERATOR: LEGACY RESERVES OPERATING, LP			
7 RVR	330	SURF LOC:		UL: A	SEC: 2
		BH LOC:		UL: A	SEC: 2
		TD		1707	PBD
		KB		GL	
		DF			
		POOL		EMPIRE; YATES-SEVEN RIVERS	
		POOL		RED LAKE; QUEEN-GB-SA	
		PERFS			
		Open Hole		457-512	
		Open Hole		1229-1707	
TOC @ 426					
Queen	845				
Grayburg	1278				
San Andres	1596				
Glorieta					
Yeso					
TD 1707					

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	457	25 sxs	12.25	426 Cal
PROD	7	1707	26 sxs	8	1059 Cal

SPUD: 10/21/1941

COMP(1): 11/13/1941

DEEPEN: ?????

COMP(2): ?????

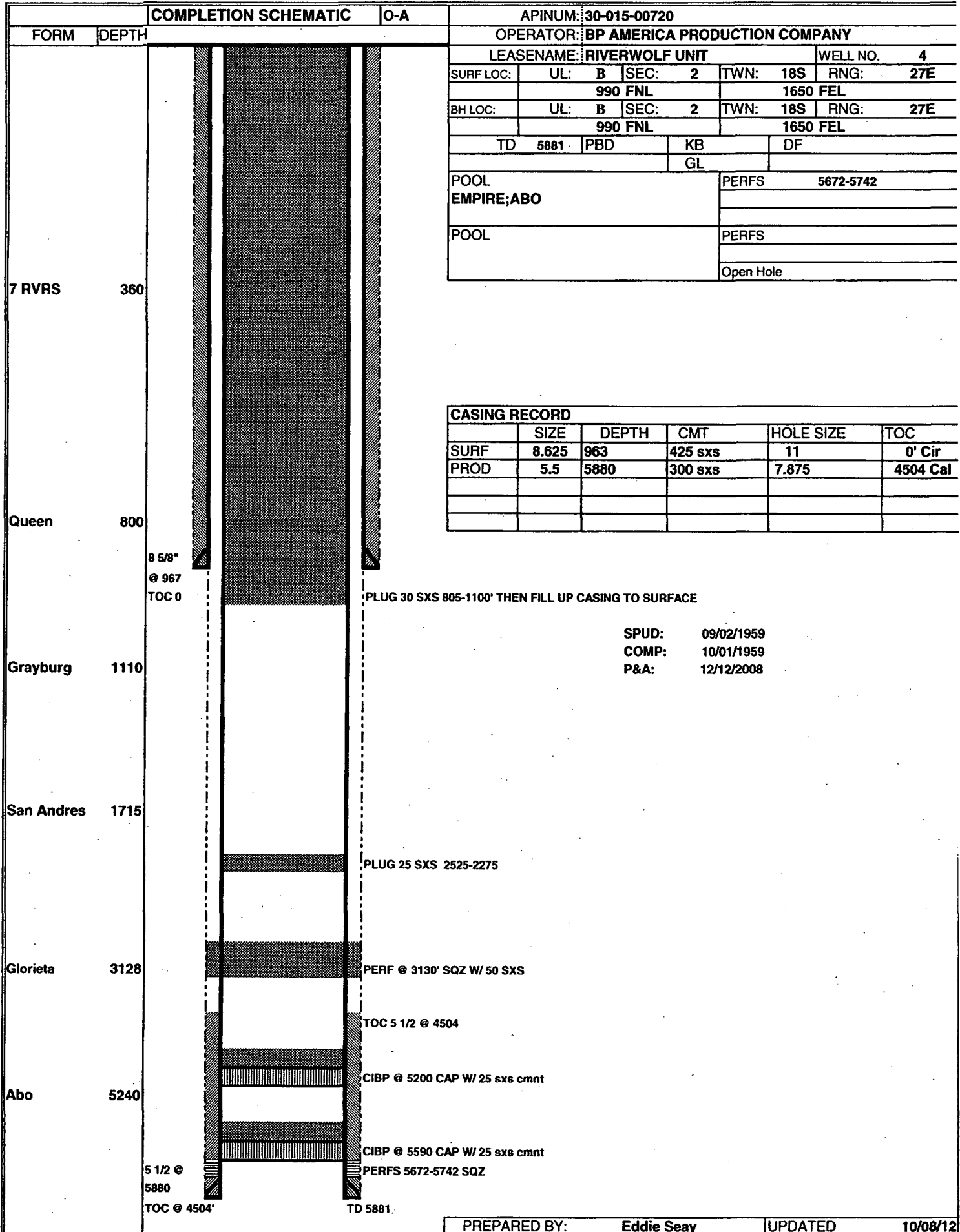
PREPARED BY: Eddie Seay

UPDATED: 10/08/12

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	457	25 sxs	12.25	426 Cal
PROD	7	1707	26 sxs	8	1059 Cal

SPUD: 10/21/1941
COMP(1): 11/13/1941
DEEPEN: ??????
COMP(2): ??????

WELLBORE SCHEMATIC AND HISTORY



WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-00737	
FORM	DEPTH			
		OPERATOR: LEGACY RESERVES OPERATING, LP		
		LEASENAME: SOUTH RED LAKE II UNIT		WELL NO. 38
		SURF LOC: UL: B SEC: 2 TWN: 18S	RNG: 27E	
		905 FNL		1610 FEL
		BH LOC: UL: B SEC: 2 TWN: 18S	RNG: 27E	
		905 FNL		1610 FEL
		TD 1722	PBD	KB DF
		GL		
		POOL		PERFS
		RED LAKE; QUEEN-GB-SA		Open Hole 1480-1722
		POOL		PERFS
				Open Hole

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.25	976	NONE	na	na
PROD	7	1480	75 sxs	8	837 Cal

7 RVRS	330		
Queen	845	TOC @ 837	
		8 1/4" @ 976'	
Grayburg	1278	7 @ 1480	
		TOC @ 837'	
San Andres	1596		
		TD 1707	
Glorieta			
Yeso			

SPUD: 04/20/1948

COMP: 05/23/1948

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-P	APINUM: 30-015-00738																																													
FORM	DEPTH	OPERATOR: CITIES SERVICE OIL CO																																														
		LEASENAME: STATE BZ				WELL NO. 2																																										
		SURF LOC: UL: B SEC: 2		TWN: 18S		RNG: 27E																																										
		990 FNL		2310 FEL																																												
		BH LOC: UL: B SEC: 2		TWN: 18S		RNG: 27E																																										
		990 FNL		2310 FEL																																												
		TD 440	PBD	KB	DF																																											
			GL																																													
		POOL EMPIRE; YATES-SEVEN RIVERS				PERFS																																										
						Open Hole 412-440																																										
		POOL				PERFS																																										
					Open Hole																																											
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	SIZE	DEPTH	CMT	HOLE SIZE	TOC																																											
PROD	7	412	NA	NA	UNK																																											
7 RVRS	360																																															
		7 @ 412 TOC @ UNK PLUG 0-440 30 SXS SPUD: 03/16/1944 COMP: 03/29/1944 P&A: 1977																																														
		TD 440																																														
Queen	915																																															

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-01211		
FORM	DEPTH	OPERATOR: LEGACY RESERVES OPERATING, LP			
7 RVRS 330 Queen 845 Grayburg 1278 San Andres 1596 Glorieta Yeso TOC @ ??? 8 5/8" @ 457 TOC 426 TOC 4 1/2 @ TOC @ ??? 8 1/2 @ 1949 TOC @ ??? TD ????		LEASENAME: SOUTH RED LAKE II UNIT		WELL NO. 35	
		SURF LOC:	UL: B	SEC: 2	TWN: 18S
		330 FNL		2310 FEL	
		BH LOC:	UL: B	SEC: 2	TWN: 18S
		330 FNL		2310 FEL	
		TD	NA	PBD	KB
				GL	DF
		POOL RED LAKE;QUEEN-GB-SA			PERFS
					Open Hole 1949-NA
		POOL			PERFS
			Open Hole		

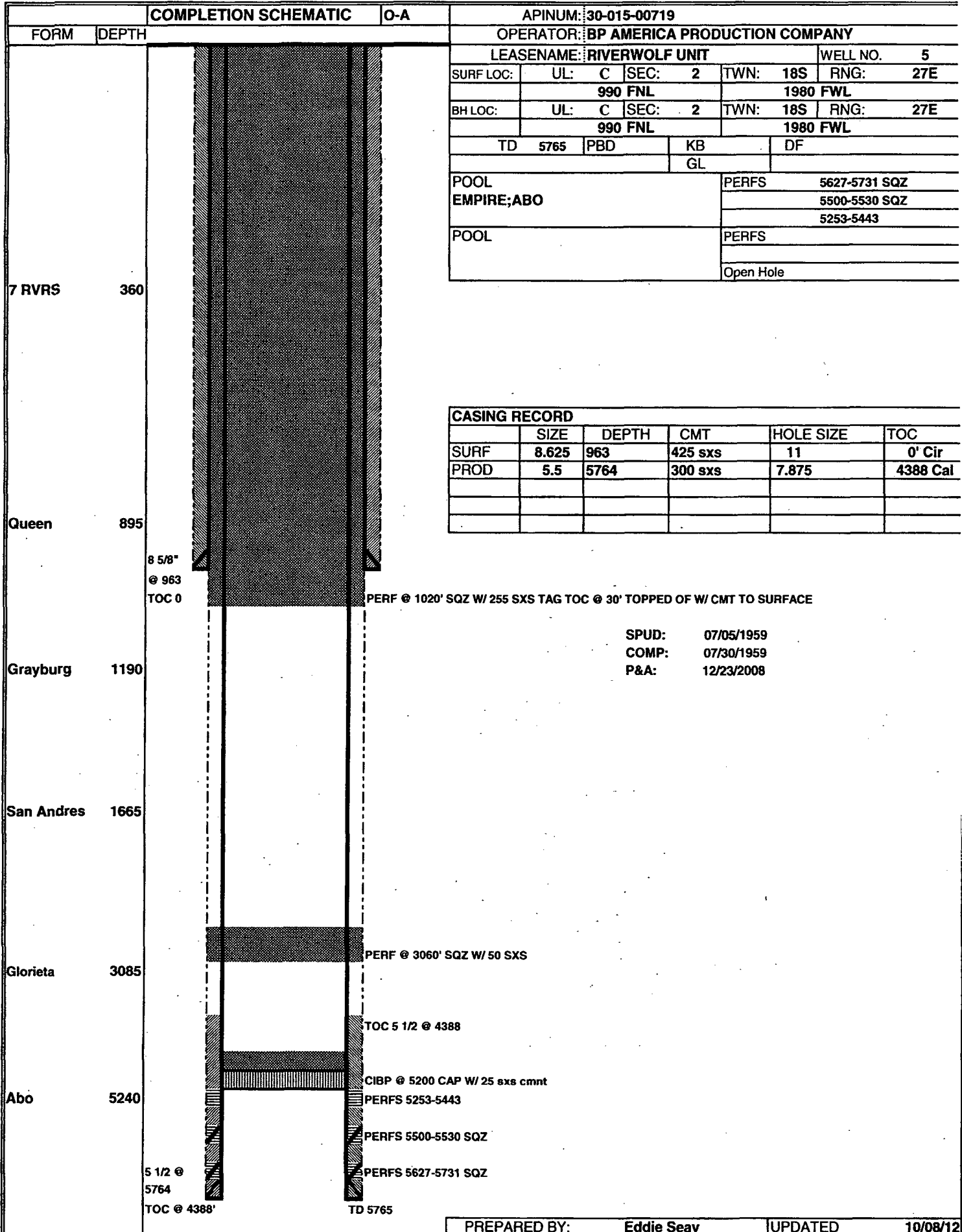
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	10	446	na	na	426 Cal
PROD1	8.5	1707	na	na	1059 Cal
PROD2	4.5	1515	50 sxs		1350 Cal

SPUD: 11/12/1926

COMP: 01/01/1927

PREPARED BY: Eddie Seay	UPDATED 10/08/12
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WELLBORE SCHEMATIC AND HISTORY



COMPLETION SCHEMATIC		O-P	APINUM: 30-015-00736																																					
FORM	DEPTH	OPERATOR: CITIES SERVICE OIL CO																																						
7 RVRS 305 7 @ NA TOC @ UNK PLUG 0-441 75 SXS TD 441	LEASENAME: STATE BZ WELL NO. 4 SURF LOC: UL: C SEC: 2 TWN: 18S RNG: 27E 990 FNL 2310 FWL BH LOC: UL: C SEC: 2 TWN: 18S RNG: 27E 990 FNL 2310 FWL TD 441 PBD KB DF GL POOL EMPIRE;YATES-SEVEN RIVERS POOL PERFS Open Hole NA-441 PERFS Open Hole																																							
	TOC UNK																																							
	CASING RECORD <table border="1"> <thead> <tr> <th></th> <th>SIZE</th> <th>DEPTH</th> <th>CMT</th> <th>HOLE SIZE</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>PROD</td> <td>7</td> <td>Illegible</td> <td>25 sxs</td> <td>NA</td> <td>UNK</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>					SIZE	DEPTH	CMT	HOLE SIZE	TOC	PROD	7	Illegible	25 sxs	NA	UNK																								
		SIZE	DEPTH	CMT	HOLE SIZE	TOC																																		
	PROD	7	Illegible	25 sxs	NA	UNK																																		
	SPUD: 02/02/1944 COMP: 03/12/1944 P&A: 1977																																							
Queen 915																																								
PREPARED BY: Eddie Seay UPDATED: 10/08/12																																								

PREPARED BY:	Eddie Seay	UPDATED	10/08/12
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WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		APINUM: 30-015-01213			
FORM	DEPTH	OPERATOR: S J OPERATING CO			
7 RVRS 380 Queen 900 Grayburg 1370 San Andres 1640 Plug 0-60 Perf 4 1/2 @ 425' SQZ 45 sxs TOC @ 350 10" @ 435 TOC ??? Perf @ 485 sqz 40 sxs circ TOC @ 280 8 1/4" @ 849 TOC ??? PERF @ 1000 Pump 25 sxs TAG top of plug @ 1000 PLUG 15 sxs 1150-1370 TOC 4 1/2 UNKNOWN 4 1/2 @ 1601 TOC @ NA' TD 1638		LEASENAME: SOUTH RED LAKE GB UNIT			
		WELL NO. 33			
		SURF LOC: UL: C SEC: 2 TWN: 18S RNG: 27E			
		280 FNL 1650 FWL			
		BH LOC: UL: C SEC: 2 TWN: 18S RNG: 27E			
		280 FNL 1650 FWL			
		TD 1630 PBD KB DF			
		GL			
		POOL RED LAKE;QU-GB-SA		PERFS	
		POOL		Open Hole 1601-1630	
		PERFS			
		Open Hole			

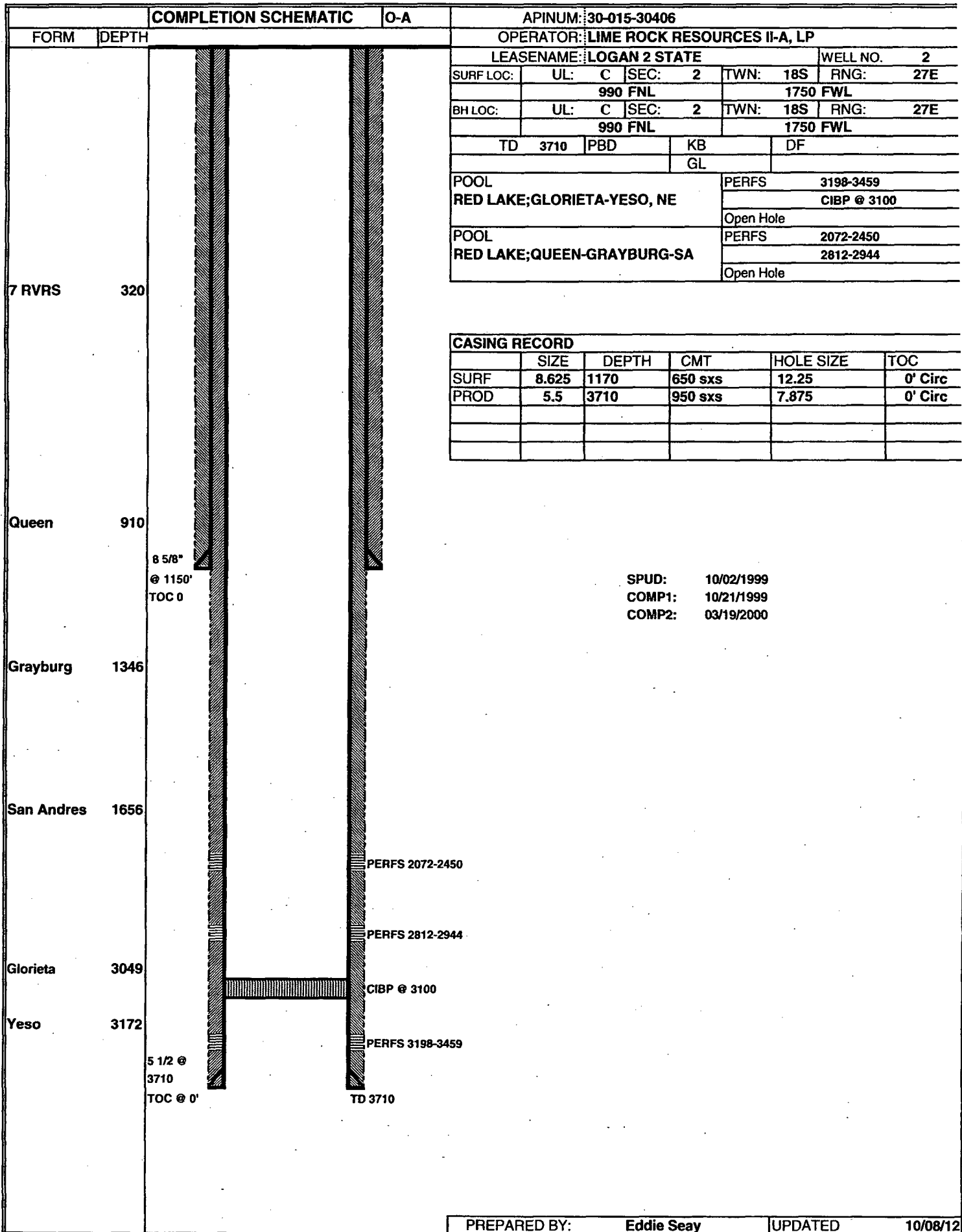
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	10	448	na	na	na
INT1	8.25	849	na	na	na
PROD	4.5	1601	50 sxs	na	na
No indications in well file of cmnt run on surface & intermediate					

SPUD: 11/12/1926

COMP: 01/01/1927

P&A: 01/14/1993

WELLBORE SCHEMATIC AND HISTORY



WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-33111			
FORM	DEPTH	OPERATOR: LIME ROCK RESOURCES II-A, LP				
7 RVRS 368 Queen 909 Grayburg 1368 San Andres 1657 Glorieta 3037 Yeso 3153 8 5/8" @ 1180 TOC 0 PERFS 2060-2387 PERFS 3047-3459 5 1/2" @ 3666 TOC @ 0' TD 3666		LEASENAME: LOGAN 2 C STATE				WELL NO. 3
		SURF LOC: UL: C SEC: 2 TWN: 18S RNG: 27E		530 FNL		2310 FWL
		BH LOC: UL: C SEC: 2 TWN: 18S RNG: 27E		530 FNL		2310 FWL
		TD 3666		PBD	KB	DF
				GL		
		POOL RED LAKE;GLORIETA-YESO, NE				PERFS 3047-3459
						Open Hole
		POOL RED LAKE;QUEEN-GRAYBURG-SA				PERFS 2060-2387
						Open Hole

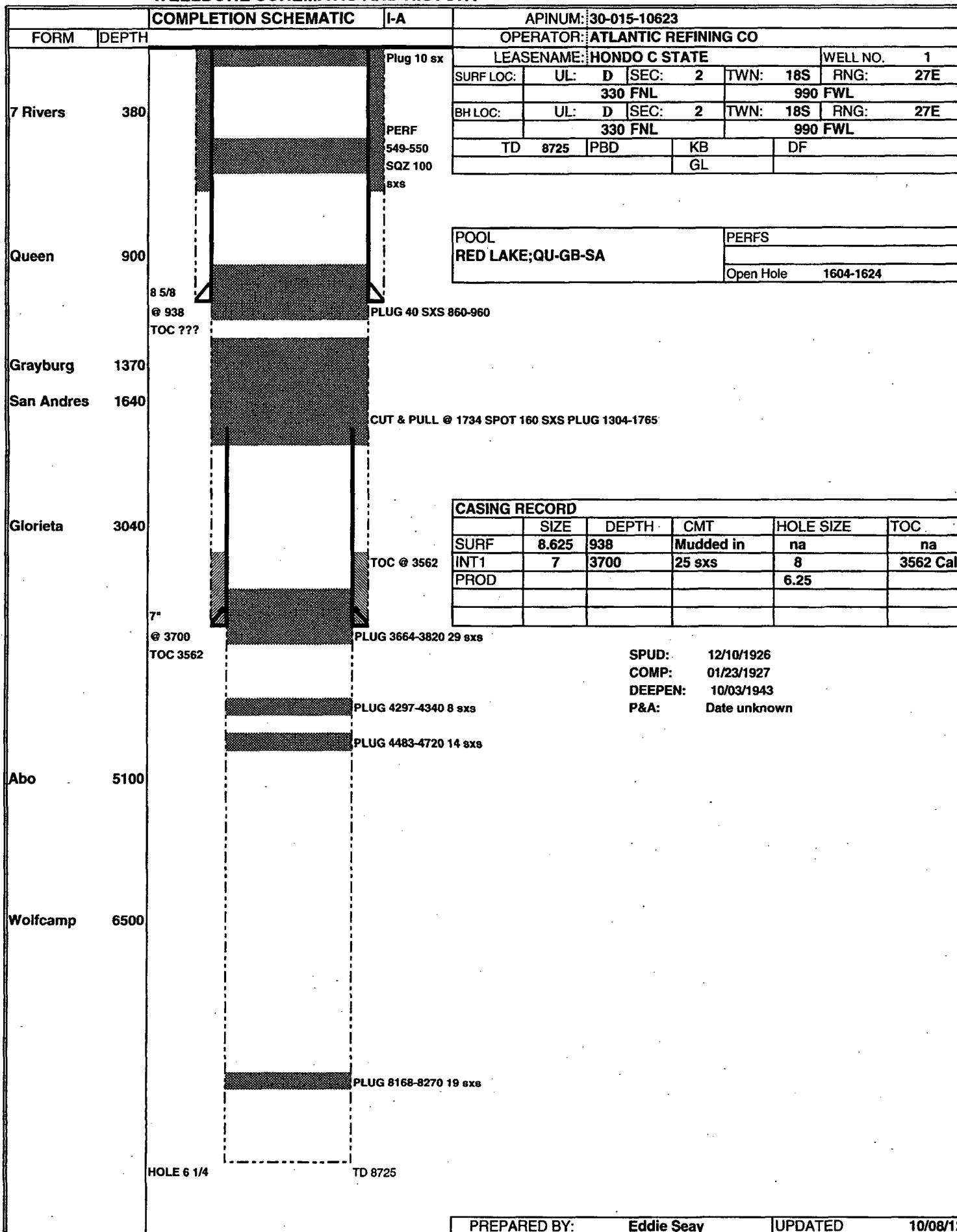
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	1180	420 sxs	12.25	0' Circ
PROD	5.5	3585	597 sxs	7.875	0' Circ

SPUD: 05/11/2004

COMP1: 05/28/2004

COMP2: 02/26/2010

WELLBORE SCHEMATIC AND HISTORY



		COMPLETION SCHEMATIC		I-A	APINUM: 30-015-00740					
FORM	DEPTH				OPERATOR: MCQUADRANGLE, LC					
			PLUG 30 x 8 0-31	LEASENAME: SOUTH RED LAKE GB UNIT			WELL NO. 40			
	SURF LOC:			UL: G	SEC: 2	TWN: 18S	RNG: 27E			
	1650 FNL			2197 FEL						
	BH LOC:			UL: G	SEC: 2	TWN: 18S	RNG: 27E			
	1650 FNL			2197 FEL						
	TD			1707	PBD	KB	DF			
				GL						
	POOL RED LAKE;QUEEN-GB-SAN ANDRES				PERFS					
				Open Hole 1644-1707						
POOL				PERFS						
				Open Hole						
				PLUG 200 SXS TOP @ 37'						
				CUT & PULL @ 260						
		CASING RECORD								
				SIZE	DEPTH	CMT	HOLE SIZE	TOC		
				7	1542	50 sxs	na	NA		
				4.5	1644	50 sxs	na	NA		
7 RVRS	380									
Queen	900			TOC 7" @ ????						
Grayburg	1370			TOC 4 1/2 @ ???						
				7" @ 1542 TOC ???						
San Andres	1644			PLUG 25 SXS TAG @ 1292						
				4 1/2 @ 1644 TOC @ ???'						
				TD 1707						
				SPUD: 08/08/1927						
				COMP: 09/13/1927						
				P&A: 01/19/2007						
				PREPARED BY: Eddie Seay		UPDATED		10/08/12		

WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		O-A	APINUM: 30-015-39009			
FORM	DEPTH		OPERATOR: APACHE CORP			
			LEASENAME: EMPIRE ABO UNIT			WELL NO. 415
			SURF LOC:	UL: G	SEC: 2	TWN: 18S
			1650 FNL			RNG: 27E
			2430 FEL			
			BH LOC:	UL: G	SEC: 2	TWN: 18S
			1650 FNL			RNG: 27E
			2430 FEL			
			TD 6300	PBD	KB	DF
			GL			
			POOL EMPIRE; ABO			PERFS 5386-5700
						Open Hole
			POOL			PERFS
						Open Hole

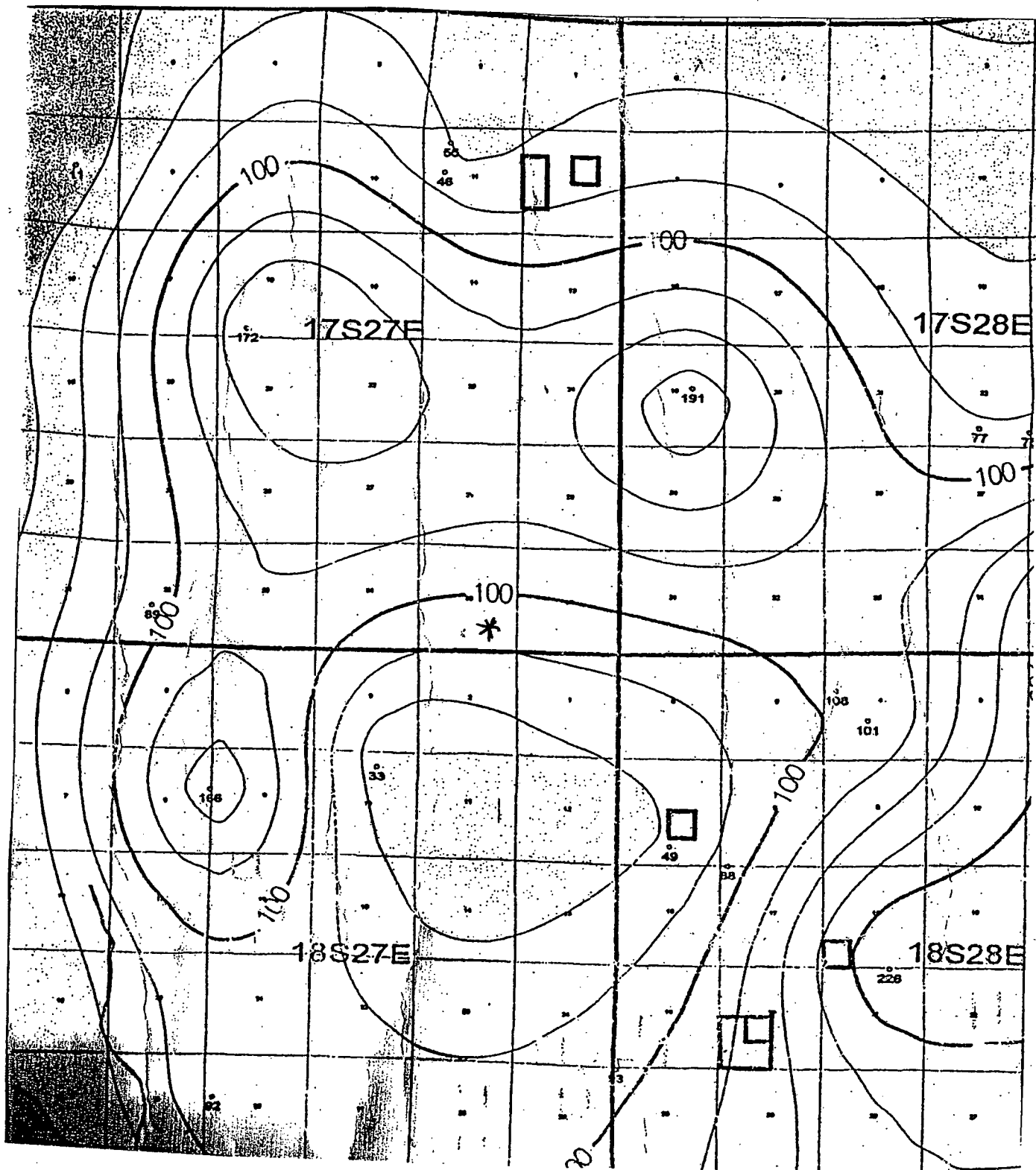
CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF	8.625	498	400 sxs	12.25	54 Cal
PROD	5.5	6300	800 sxs	7.875	952 Cal

7 RVRS	381						
Queen	920						
		8 5/8"					
		@ 498					
		TOC 0'					
Grayburg	1366						
San Andres	1689						
Glorieta	3089						
Abo	4981						
Abo Reef	5376						
		5 1/2 @					
		6300					
		TOC @ 0'					

SPUD: 12/07/2011
COMP: 01/17/2012

PERFS 5386-5700

TD 6300





New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

Basin/County Search:

County: Eddy

PLSS Search:

Township: 17S

Range: 28E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/23/12 12:23 PM

Page 1 of 1

**WATER COLUMN/ AVERAGE
DEPTH TO WATER**



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No records found.

Basin/County Search:

County: Eddy

PLSS Search:

Section(s): 35

Township: 17N

Range: 27E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/23/12 12:20 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

TARCO ENERGY L.C.

October 15, 2012

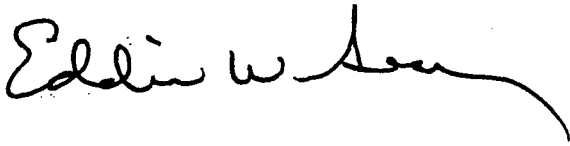
RE: Russell C #3
Unit O, Section 35, Tws. 17 S., Rng. 27 E.
Eddy Co. New Mexico

Dear Sir:

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, you are being provided a copy of the C-108, Application for Authorization to Inject in to the above captioned well.

Any questions about the permit can be directed to Eddie W. Seay, (575)392-2236. Any objections or request for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the date received. The OCD address is 1220 S. Saint Francis Drive, Santa Fe, NM 87504, (505)476-3440.

Thank You,

A handwritten signature in black ink, appearing to read "Eddie W. Seay", with a long, sweeping underline.

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(575)392-2236
seay04@leaco.net

LEASE OWNERS AND OFFSETS

SURFACE OWNER & MINERAL INTEREST OWNER

BLM
620 E. Green St.
Carlsbad, NM 88220

OFFSET OPERATORS

McQuadrangle LC
7008 Salem Ave.
Lubbock, TX 79424

BP American Production Co.
Box 22048
Tulsa, OK 74121

Mewbourne Oil Co.
Box 7698
Tyler, TX 75711

Devon Energy Prod. Co. LP
20 N. Broadway, Ste. 1500
Oklahoma City, OK 73102

Occidental Permian LTD
Box 4294, 580 Westlake Park Blvd.
Houston, TX 77210-0494

Freedom Energy LLC
R 649 N. 13th St.
Lake Arthur, NM 88253

Fairway Resources Operating
538 Silcon Dr. Ste. 101
Southlake, TX 76092

Legacy Reserves Operating
Box 10848
Midland, TX 79702

Lime Rock Resources
1111 Bagby St., Ste. 4600
Houston, TX 77002

Apache Corp.
6120 S. Yale, Ste. 1500
Tulsa, OK 74136

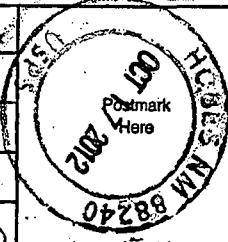
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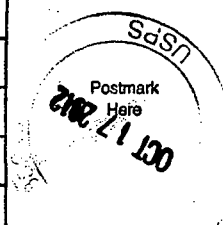
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 Tyler, TX 75711

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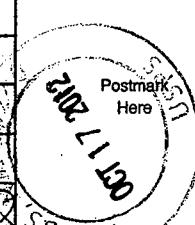
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 or PO Box No. 580 Westlake Park Blvd.
 City, State, ZIP+4
 Houston, TX 77210-0494

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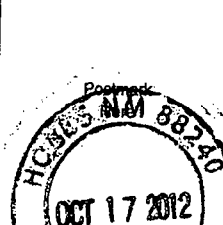
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 or PO Box No. 649 N. 13th St.
 City, State, ZIP+4
 Lake Arthur, NM 88253

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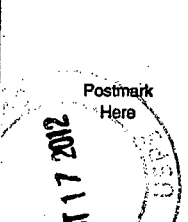
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 or PO Box No. 20 N Broadway, Ste. 1500
 City, State, ZIP+4
 Oklahoma City, OK 73102

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See Reverse for Instructions

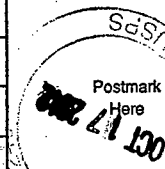
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 City, State, ZIP+4 **Houston, TX 77002**

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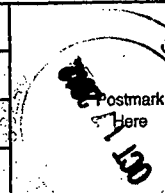
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 or PO Box No. **620 E. Green St.**
 City, State, ZIP+4 **Carlsbad, NM 88220**

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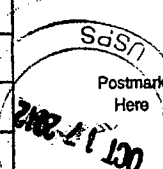
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 Street, Apt. No.,
 or PO Box No. **Box 22048**
 City, State, ZIP+4 **Tulsa, OK 74121**

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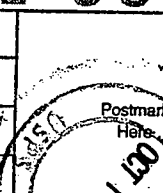
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 Street, Apt. No.,
 or PO Box No. **2008 Salem Ave.**
 City, State, ZIP+4 **Lubbock, TX 79424**

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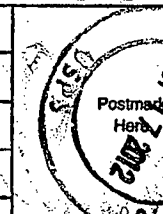
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 City, State, ZIP+4 **Southlake, TX 76092**

PS Form 3800, August 2006

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LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, Tarco Energy, L.C., 12403 CR 2300, Lubbock, Texas 79423, is filing a C-108, Application for Pressure Maintenance Injection Well. The well being applied for is a new drilled well, the Russell C-3, located in Unit O, Section 35, Township 17 S., Range 27 E., Eddy Co., NM. The injection formation is the Empire Yates-7 Rivers, which is located from 380' to 540' below surface. Expected maximum injection rate is approximately 1500 bpd., and the expected maximum injection pressure is 76 psi or what the OCD allows. Any questions about the application can be directed to Eddie W. Seay, (575)392-2236, or any objection or request for hearing must be directed to the Oil Conservation Division, (505)476-3440, 1220 South Saint Francis Drive, Santa Fe, NM 87504, within fifteen (15) days.

Affidavit of Publication

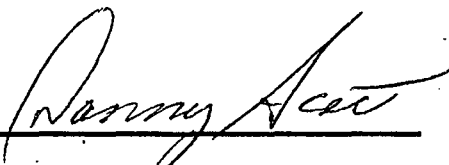
NO.

22338

STATE OF NEW MEXICO

County of Eddy:

Danny Scott



being duly sworn, says that he is the

Publisher

of the Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and state, and that the hereto attached

Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for

1 Consecutive weeks/days on the same day as follows:

First Publication

October 12, 2102

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

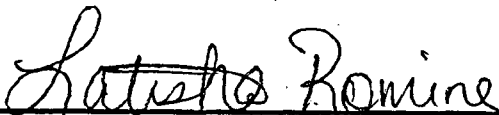
12th day of October 2012



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires:

5/12/2015



Latisha Romine
Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

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