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	Tarco Energy, LC		GRID Number: <u>279579</u>
_	Brad State No. 1		PI: 30-015-40618
Pool: <u>Er</u>	mpire Yates-Seven Rivers Pool		ool Code: 22230
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		CATED BELOW	2
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3) CERTIFICA	ATION: I hereby certify that the info	rmation submitted with t	his application for
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	Note: Statement must be completed by ar	individual with managerial and/o	or supervisory capacity.
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Joe Tarver			5/19
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/ /	461		06) 787-5138
//a	1 Jan	Phone Num	ber
Signature		ioe@to	arcosupply.com
7		e-mail Ada	

January 15, 2019

Energy, Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Attention: Division Director

Re: Form C-108

Brad State No. 1

API No. (30-015-40618)

330' FNL & 2300' FWL, Unit C Section 2, T-18S, R-27E, NMPM,

Eddy County, New Mexico

Dear Sir,

By Order No. R-13680 dated February 14, 2013 the Oil Conservation Division approved the Tarco Energy, LC Russell C Lease Pressure Maintenance Project authorizing injection into the Yates-Seven Rivers formation (Empire Yates-Seven Rivers Pool) within the Russell C Well No. 3 located in Unit O of Section 35, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico.

Tarco Energy, LC ("Tarco") is seeking administrative approval to expand the Russell C Lease Pressure Maintenance Project by adding an additional injection well within the approved project area. Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the Brad State No. 1. Tarco proposes to convert the Brad State No. 1 from a producing well to an injection well, injection to occur into the Yates-Seven Rivers formation through the perforated interval from approximately 411 feet to 451 feet.

I believe that all the information necessary to approve the application is enclosed. If additional information is needed, please contact me at (806) 787-5138.

Sincerely

Joe L. Tarver-President

Tarco Energy, LC

12403 CR 2300

Lubbock, Texas 79423

Xc: OCD-Artesia

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

l.	PURPOSE: Secondary Recovery X Pressure Maintenance Disposal Storage Application qualifies for administrative approval? X Yes No
Л.	OPERATOR: Tarco Energy, LC
	ADDRESS: 12403 Cr 2300, Lubbock, Texas 79423
	CONTACT PARTY: Joe Tarver, President PHONE: (806) 787-5138
Ш.	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? X Yes No If yes, give the Division order number authorizing the project: R-13680 issued in Case No. 14931 on 2/14/2003
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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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.
1X.	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).
	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: President
	SIGNATURE: DATE: 01/15/2019
	E-MAIL ADDRESS: joe@tarcosupply.com
	If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: Case No. 14931 dated 11/29/2012; PMX Application dated 2/14/2014

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

District 1...
1625 N. French Dr., Hobbs, NM R8240
Places (173) 38-161 Fax. (573) 393-0720
Distret III.
811 S First St., Arnena, NM R8210
Places (173) 748-1283 Fax (573) 748-9720
Distret III.
1000 Ro B Baron Road, Astec, NM 87410
Places (503) 334-6178 Fax (505) 334-6170
Destrict IV.
1220 S St Francis Dr., Sams Fc, NM 87505
Phone (305) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

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C-108 Application
Tarco Energy, LC
Brad State No. 1
330' FNL & 2300' FWL (Unit C)
Section 2, T-18S, R-27E, NMPM
Eddy County, New Mexico

- I. The purpose of the application is to request approval to expand the Russell C Lease Pressure Maintenance Project by converting the Brad State No. 1 from a producing well to an injection well in the Yates-Seven Rivers formation, (Empire Yates-Seven Rivers Pool; 22230).
- II. Tarco Energy, LC ("Tarco")12403 CR 2300Lubbock, Texas 79423Contact Party: Joe L. Tarver (806) 787-5138
- III. Injection well data sheet and wellbore schematic diagram showing the proposed wellbore configuration of the Brad State No. 1 is attached. The Brad State No. 1 was drilled in in August, 2012 and was completed as a producing well.
- IV. This is an expansion of the Russell C Lease Pressure Maintenance Project. This project was approved by Order No. R-13680, issued in Case No. 14931 on February 14, 2013. By Order R-13680, the Division authorized Tarco Energy, LC to utilize its Russel C Well No. 3 (API No. 30-015-37783) located in Unit O of Section 35, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico as an injection well, injection to occur into the Yates-Seven Rivers formation (Empire Yates-Seven Rivers Pool; 22230) through the perforated interval from 418 feet to 460 feet. The Russel C Well No. 3 is currently the only injection well within the approved project area, described as follows:

Russel C Lease Pressure Maintenance Project Area

Township 17 South, Range 27 East, NMPM

Section 35: SE/4, E/2 SW/4 & SW/4 SW/4

Township 18 South, Range 27 East, NMPM

Section 2: NW/4 NE/4 & NE/4 NW/4

V. Attached is a map that identifies all leases within a 2-mile radius of the proposed injection well and a map that identifies all wells within the 1/2-mile "Area of Review" ("AOR"). Also attached is a map that shows the

injection/production well pattern within the project area. Tarco will basically utilize a five-spot injection pattern to efficiently and effectively produce the remaining reserves in the Empire Yates-Seven Rivers Pool underlying the project area.

VI. Area of Review Well Discussion:

Attached is a master well list that shows all wells within a ½-mile radius of the Brad State No. 1. There are 91total wells within the AOR. Of the 91wells, 28 wells are plugged and abandoned, 59 are active, and 4 are new wells not yet drilled.

A detailed examination of AOR wells shows that there are approximately six (6) plugged and abandoned wells and five (5) active wells within the AOR that either have surface casing and/or production casing cement tops at or below the proposed injection interval, or questionable surface casing cement tops due to the fact that the well files do not indicate cement volumes associated with the setting of surface casing. While it appears unlikely that surface casing was set in these wells without cement, that does remain a possibility. More likely however, is that the cement volumes were not reported as required.

A further examination of AOR wells shows that there are two (2) wells that have no well records associated with the drilling, completion and/or possible plugging of these wells. These wells are located in Units J and O of Section 35. Tarco has attempted to obtain well records for these wells from sources outside the Division, but has been unable to locate any further information.

With regards to the AOR wells that have questionable annular cement tops and/or inadequate well records, Tarco believes that these wells will not provide a conduit for the migration of injected fluid into any fresh water sources, nor provide a conduit for the migration of fluid into other producing intervals due to Tarco's proposed operation, which will be discussed in the following section.

VII. Tarco's Proposed Operation

1. The average injection rate into the Brad State No. 1 is anticipated to be approximately 90 BWPD. During 2018 Tarco injected water into the Russell C Well No. 3 at a rate of approximately 141 BWPD. This rate is far below what the original injection rate was anticipated to be within this project. Tarco has found that a low injection rate combined with low injection pressure provides better response in its producing wells. If this rate increases in the future, the Division will be notified.

- 2. This will be a closed system.
- 3. Tarco currently does not inject into the Russell C Well No. 3 at a surface pressure greater than 0 psi. As previously mentioned, Tarco has found that injection at hydrostatic pressure at the formation face (approximately 178 psi) provides sufficient reservoir energy to maintain adequate producing rates in offset producing wells, and should provide Tarco the opportunity to recover additional oil and gas from the project area that may otherwise not be recovered, thereby preventing waste. Tarco does not anticipate injection to occur into the Brad State No. 1 at a surface pressure greater than 0 psi., however if necessary, a pressure limit of 0.2 psi/ft. or 82 psi, which is in compliance with Division regulations, will be utilized.
- 4. Injected fluid will be re-injected water from the Empire Yates-Seven Rivers Pool. No compatibility issues are anticipated.
- 5. N/A. Injection will be into the productive Empire Yates-Seven Rivers Pool for the purpose of increasing the ultimate recovery of oil within the project area.

Discussion:

- A. Tarco recently conducted a fluid level analysis on the Brad State Wells No. 2 and 4, both located in Unit C of Section 2, Township 18 South, Range 27 East, NMPM. After a shut-in period of several days, both wells showed a fluid level of 363 feet, or 50 feet above the perforated intervals of 413 feet and 415 feet, respectively. This indicates a reservoir pressure within the Empire Yates-Seven Rivers Pool of approximately 22 psi;
- B. By maintaining pumped-off conditions within Tarco's thirteen producing wells within the project area, a negligible reservoir pressure will be sustained during the period of injection into the Russell C Well No. 3 and the Brad State No. 1;
- C. Given the low injection rates and pressures, Tarco believes that the reservoir pressure in the Empire Yates-Seven Rivers Pool will not be sufficient to cause any significant upward migration of fluid from the proposed injection interval. Consequently, area of review wells will not be affected by injection; and
- D. Injection into the Russell C No. 3 well has been ongoing since approximately April, 2013. There is currently no evidence to indicate that

injection has caused migration of fluid from the injection interval, or has otherwise affected any deeper producing zones.

VIII. Geologic Formation: Yates-Seven Rivers

Estimated Top: 350' Thickness: 180'

Lithology: Sand or Sandy Dolomite.

Description: The productive intervals in the Yates-Seven Rivers

formation are approximately 3-7 feet thick and are separated by either dense dolomite or anhydrite zones. Porosity in the "B", "C", "D" and "E" intervals is approximately 15% or greater.

USDW's: According to data obtained from the New Mexico

State Engineer ("OSE"), there are no fresh water wells located within one mile of the Brad State No. 1 (See attached OSE report). On a more regional basis, OSE data indicates that there are numerous fresh water wells in Townships 17 & 18 South, Range 28 East, NMPM. This data indicates that the average depth to fresh water ranges from 13 feet to 145 feet, with an average depth to water of 52 feet. Given the reservoir pressures in the Empire Yates-Seven Rivers Pool, the parameters of operation as outlined above, and the depth of fresh water in this area, it is highly unlikely that the proposed injection will cause migration of injected fluid into any underground source of fresh water via any plugged or active area of review wells.

- IX. No stimulation is currently planned.
- X. Perforation logs have been run on the Brad State No. 1. If additional logs are required by the Division, Tarco will run these logs.
- XI. There are no fresh water wells located within a one-mile radius of the Brad State No. 1.
- XII. Affirmative statement is enclosed.
- XIII. Proof of Notice is enclosed. Affidavit of Publication is attached.

Tarco Energy, LC PMX Application: Brad State No. 1

Order No. R-13680 Russell C Lease Pressure Maintenance Project

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

APPLICATION OF TARCO ENERGY, L.C. FOR APPROVAL OF A PRESSURE MAINTENANCE PROJECT IN THE YATES AND SEVEN RIVERS FORMATIONS, EDDY COUNTY, NEW MEXICO.

CASE NO. 14931 ORDER NO. R-13680

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on November 29, 2012, at Santa Fe, New Mexico, before Examiner Richard I. Ezeanyim.

Now, on this 14th day of February, 2013, the Division Director, having considered the testimony, the record and the recommendations of the Examiner,

FINDS THAT:

- (1) Due public notice has been given and the Division has jurisdiction of this case and its subject matter.
- (2) Tarco Energy, L.C. ("Tarco" or "Applicant"), seeks approval to institute a lease Pressure Maintenance Project into the Yates and Seven Rivers formations, Empire-Yates-Seven Rivers Pool (Code 22230) through its Russell C Well No. 3 (API No. 30-015-37783) located 990 feet from the South line and 2225 feet from the East line in Unit O of Section 35, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico.
- (3) Tarco submitted to the Division in October of 2012 an administrative application for salt water disposal. The Division directed Tarco to set the matter for hearing due to the presence of producing wells within one half mile of the proposed well in the proposed disposal interval. Applicant did not find water wells within one mile of the proposed well. Any possible fresh waters will be protected by surface casing and cement.

(4) The lease acreage consists of the following lands:

Township 17 South, Range 27 East, NMPM Section 35: SE/4, NE/4 SW/4, SW/4, SW/4, SE/4 SW/4, and

Township 18 South, Range 27 East, NMPM Section 2: NW/4 NE/4 and NE/4 NW/4

- (5) Applicant has indicated that the proposed well located in Unit O of Section 35 is the only well it intends to use for injection purposes at this time. Therefore, the approved Project Area would be the above described lands contained in Section 35, Township 17 South, Range 27 East, and Section 2, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico.
- (6) Within one half mile from the proposed injection well, there are 86 total wells drilled to this depth. Forty-nine of those are plugged and abandoned, and one is temporarily abandoned. All of these Area of Review wells are cased, cemented, and/or plugged to adequately isolate the intended injection interval within the Yates and Seven Rivers formations and to protect any underground fresh waters.
- (7) Notice was provided by Applicant in this case of its intent to inject. Applicant notified all "affected persons" as defined in Rule 19.15.26.7A. NMAC. The surface owner at the well site of Russell C Well No. 3 is the Bureau of Land Management which was notified. The State Land Office was also notified of this application. There were no objections to the proposed Pressure Maintenance project.
 - (8) No other parties appeared at the hearing to oppose this application.
- (9) Applicant (OGRID 279579) is the operator of this well located on the above described acreage. Applicant is now in compliance with Division Rule 19.15.5.9 NMAC and therefore eligible for approval of disposal and injection permits.
- (10) Water from outside the Russell C lease should not be injected into this well. The operator should monitor the oil and water production from the producing area of review wells and report these productions to the Division on a quarterly basis.
- (11) The proposed project should be called the Russell C Lease Pressure Maintenance Project. The Project Area to be affected by this Pressure Maintenance operation should consist of the lands described in Finding Paragraph (4), contained in Section 35, Township 17 South, Range 27 East, and Section 2, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico.
- (12) Applicant should be approved to inject into the Russell C Well No. 3 (API 30-015-37783) located in Unit O of Section 35, into the Yates and Seven Rivers formations from perforated depths of 418 feet to 460 feet.

IT IS THEREFORE ORDERED THAT:

- (1) The Applicant, Tarco Energy, L.C is hereby authorized to implement Lease Pressure Maintenance operations within the project area of its Russell C Lease by water injection into the Yates and Seven Rivers formations, Empire-Yates-Seven Rivers Pool (Code 22230).
- (2) The project shall be called the Russell C Lease Pressure Maintenance Project and the Project Area shall consist of the above described lands contained in Section 35, Township 17 South, Range 27 East, and Section 2, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico.
- (3) Injection is approved within the Russell C Well No. 3 (API No. 30-015-37783), located 990 feet from the South line and 2225 feet from the East line in Unit O of Section 35, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico. Injections shall be through perforations from a depth interval from 418 feet to 460 feet, and through lined tubing and a packer set no higher than 100 feet above the injection interval.
- (4) Water from outside the Russell C lease shall not be injected into this well. The operator shall monitor the oil and water production from the producing area of review wells and report these productions to the Division on a quarterly basis.
- (5) The operator shall take all steps necessary to ensure that the injected water enters only the permitted injection intervals and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.
- (6) The casing-tubing annulus shall be filled with an inert fluid, and a gauge or approved leak-detection device shall be attached to the annulus in order to detect any leakage in the casing, tubing or packer.
- (7) The injection well or pressurization system shall be equipped with a pressure control device or acceptable substitute that will limit the maximum surface injection pressure to 84 psi.
- (8) The Division Director may administratively authorize a pressure limitation in excess of the above, upon a showing by the operator, supported by approved Step Rate Tests that such higher pressure will not result in the fracturing of the injection formation or confining strata or damage to the reservoir.
- (9) In accordance with Division Rule 19.15.26.11A. NMAC, the operator shall test the approved injection well for mechanical integrity prior to commencing injection into that well and prior to resuming injection each time the packer is unseated. All MIT testing procedures and schedules shall follow the requirements in Division Rule

- 19.15.26.11A. NMAC. The Division Director retains the right to require at any time wire-line verification of completion and packer setting depths in this well.
- (10) The operator shall provide notice 72 hours in advance, to the supervisor of the Division's District II office of the date and time of the installation of injection equipment, and of any mechanical integrity test so that the same may be inspected and witnessed.
- (11) The operator shall provide written notice of the date of commencement of injection to the Division's District II office. In accordance with Division rules, the operator shall submit monthly reports of the injection operations on Division Form C-115.
- (12) Without limitation on the duties of the operator as provided in Division rules, or otherwise, the operator shall immediately notify the Division's District II office of any failure of the tubing, casing or packer in the well, or of any leakage or release of water, oil or gas from or around any producing or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.
- (13) The injection authority granted under this order is not transferable except upon Division approval. The Division may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.
- (14) The Division may revoke this injection permit after notice and hearing if the operator is a violation of Rule 19.15.5.9 NMAC.
- (15) The injection authority granted herein shall terminate two years after the effective date of this order if the operator has not commenced injection operations into the permitted injection well, provided however, the Division, upon written request, mailed by the operator prior to the termination date, may grant an extension thereof for good cause.
- (16) One year after all injection into the project area has ceased (or not reported), the Division shall consider the project abandoned, and the authority to inject shall terminate ipso facto. The Division, upon written request mailed by the operator prior to that termination date, may grant an extension thereof for good cause.
- (17) Compliance with this order does not relieve the operator of the obligation to comply with other applicable State, local, or Federal rules, or to exercise due care for the protection of fresh water, public health and safety, and the environment.
- (18) Jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable

waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing (or without prior notice and hearing in case of emergency), terminate the injection authority granted herein.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

JAMI BAILEY

Director

Tarco Energy, LC PMX Application: Brad State No. 1

Injection Well Data Sheet/Wellbore Schematic

INJECTION WELL DATA SHEET

OPERATOR: Tarco Energy, LC					
WELL NAME & NUMBER: Brad	State No. 1 (API No.	30-015-40618)	and the second s		
WELL LOCATION: 330' FNL &		C	2	18 South	27 East
FOOTAGE L	OCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELLBORE SCHEMATIC		<u>WI</u>	ELL CONSTRUC	TION DATA	
			Surface/Produc	ction Casing	
See Attached Wellbore Sche	ematic	Hole Size: 7 7/8'	<u>, </u>	Casing Size: 4 ½'	<u>' @ 525'</u>
		Cemented with:	105 Sx.	or	ft ³
		Top of Cement:	Surface M	ethod Determined	l: <u>Calculated</u>
			Production (Casing (N/A)	
		Hole Size:		Casing Size:	
		Cement with:		or	ft ³
		Top of Cement:	Me	thod Determined	:
	Total Depth:_	525'			
	Inject	tion Interval			

Perforated Interval -411'-451' (Perforated)

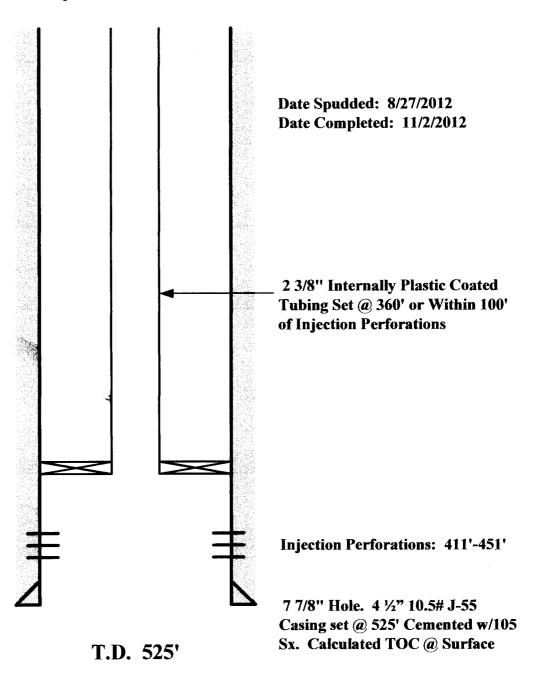
INJECTION WELL DATA SHEET

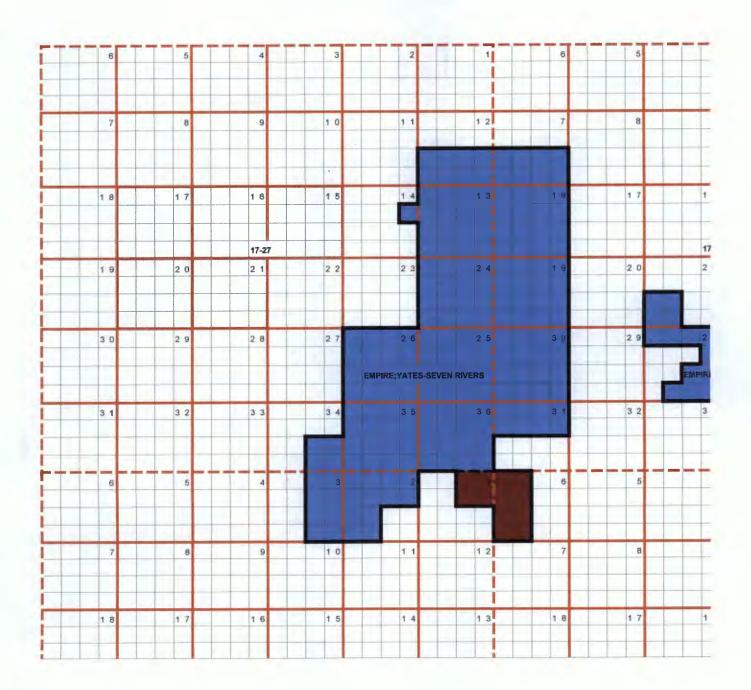
Tubin	ng Size: 2 3/8" Lining Material: Internally Plastic Coated
Туре	of Packer: Baker Tension Type
Packe	er Setting Depth: 360' or within 100' of the uppermost injection perforations
Other	Type of Tubing/Casing Seal (if applicable):None
	Additional Data
1.	Is this a new well drilled for injection: Yes No
	If no, for what purpose was the well originally drilled: Production Well
2.	Name of the Injection Formation: Yates-Seven Rivers
3.	Name of Field or Pool (if applicable): Empire Yates-Seven Rivers Pool (22230)
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.
	None
5.	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
	Red Lake Queen-Grayburg-San Andres Pool (1,800'); Northeast Red Lake Glorieta-Yeso Pool (4,000'); Empire-Abo Pool (6,200'); Logan Draw-Wolfcamp Pool (6,700'); Scoggin Draw-Atoka Gas Pool (9,380'); Scoggin Draw-Morrow Gas Pool (9,494')

	WELLBORE SCHEMATIC A COMPLETION SCHEMATIC	O-A		APINI IM	30-01	5_4044	я				
FORM DEPTH		JO-M			TARC			2			
					BRAD					WELL NO	. 1
			SURF LOC:	UL:	C	SEC:	2	TWN:	185		27E
					330	FNL			1650	FWL	
			BH LOC:	UL:	C	SEC:	2	TWN:		RNG:	27E
			<u></u> _		330		r	L		FWL	
			TD	525	PBD	520	KB		DF		
			POOL				GL	IDEDEC		444 454	
			POOL					PERFS	,	411-451	
			EMPIRE;YA	TES-SE	VEN RI	VERS		Open Ho	nle		
			POOL					PERFS			····
								Open Ho	ole		
			CASING RE	COBD			······································				
			JASING RE	SIZE	DEF	тн	CMT		HOLE	SIZE	ТОС
			PROD	4.5	525		105 sx		7.875		0' Circ
										,	3 3110
7 RVRS 370			L		1			l			
7 1775											
		PERFS 411-45	1'								
						enun.		/OT /OO 40			
						SPUD: COMP:		/27/2012 /02/2012			
						COMIT.		10212012			
].	1/2 @	PBTD 520'									
		TD 525									
	LOC @ 0,										
Queen											
		r	DDCDADC	D DV		الداد			100.15		
			PREPARE	n RA:	E	ddie S	eay		JPDAT	ED	01/20/1

Tarco Energy, LC Russell C Lease Pressure Maintenance Expansion Brad State No. 1 (API No. 30-015-40618) 330' FNL & 2300' FWL (Unit C) Section 2, T-18S, R-27E, NMPM, Eddy County, NM

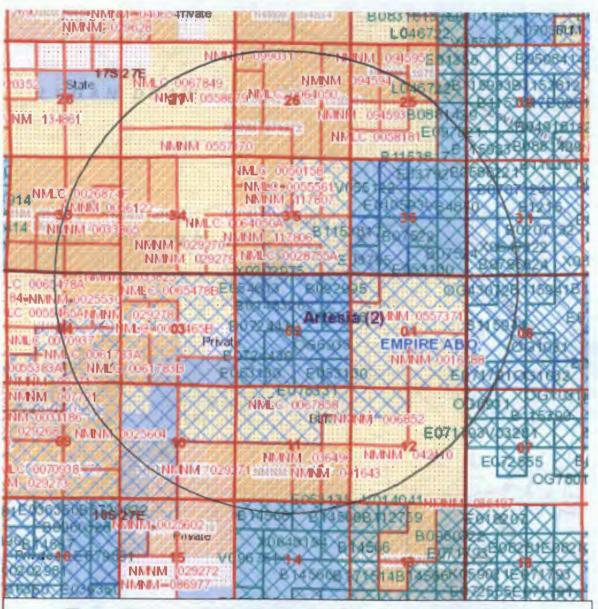
Proposed Wellbore Schematic



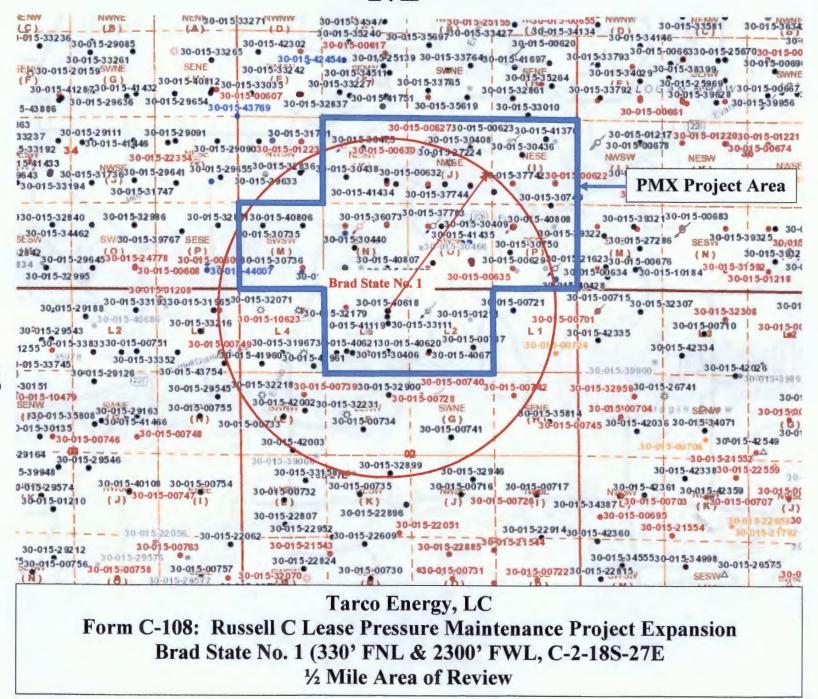


Tarco Energy, LC PMX Application: Brad State No. 1

2-Mile Lease Map ½ Mile Area of Review Map Injection/Production Pattern Map



Tarco Energy, LC: Form C-108: Brad State No. 1 Russell C Lease Pressure Maintenance Project 2-Mile Lease Map



18S

27E

	34		35
17S		Magruder # 21	Magruder # 17
	Russell C Lease Pressure Maintenance —> Project Area	Magruder # 19 Russell C # 6X Russell C # 6X Russell C # 7 Russell C # 4	C#5Y YY Magruder#1
	3	Brad State # 2 Brad State No. 1 Brad State # 4 Brad State # 3 Blake State # 4	2
18S			

Tarco Energy, LC PMX Application: Brad State No. 1 Injection/Production Well Pattern Existing or Proposed Injection Well

Existing Producing Well

Tarco Energy, LC PMX Application: Brad State No. 1

1/2 Mile Area of Review Master Well List

Tarco Energy, LC; Brad State No. 1: 1/2 Mile Area of Review Well List

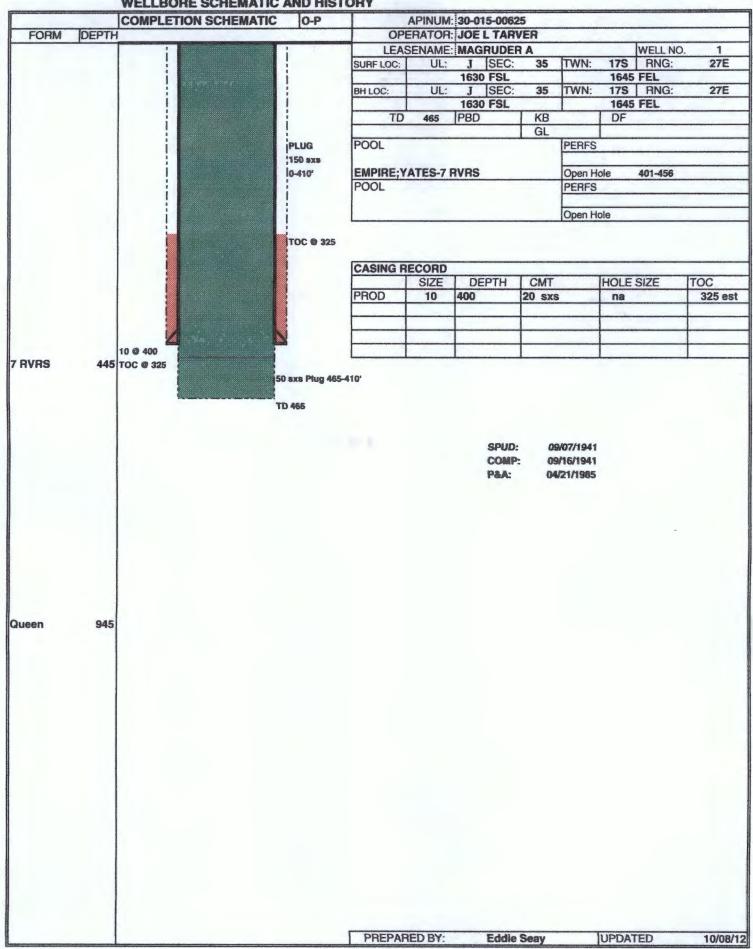
API	Well Name	Well Number	Туре	Status	Section	Township	Range	OCD Unit Letter	Plugged On	Current Operator
30-015-00625	MAGRUDER A	#004	Oil	N						
	MAGRUDER	#001 #006		Plugged, Site Released 1	35	175	27E	1	4/21/1986	[37594] JOE L TARVER
30-015-00628	MAGRUDER C			POSSIBLE PA	35	17S	27E	J		PATON BROTHERS
	MAGRUDER	#015	Oil	Plugged, Site Released	35	17S	27E	K		CITIES SERVICE OIL COMPANY
		#011	Oil	Active	3 5	175	27E	P		[279579] TARCO ENERGY, LC
30-015-00631	MAGRUDER A	#003	Oil	Plugged, Site Released 3	35	175	27E	K	2/11/1977	[37594] JOE L TARVER
	SOUTH RED LAKE II UNIT	#025	Oil	Active	35	175	27E	K		[370922] REMNANT OIL OPERATING, LLC
	RIVERWOLF UNIT	#014	Oil	Plugged, Site Released 4	35	175	27E	M	1/12/2009	[778] BP AMERICA PRODUCTION COMPANY
30-015-00635	MAGRUDER A	#004	Oll	Plugged, Site Released 🤝	35	175	27E	Р	2/11/1977	[37594] JOE L TARVER
	MAGRUDER	#005	Oil	Plugged, Site Released (35	175	27E	P		PATON BROTHERS
	RUSSELL C	#004	Oil	Active	35	175	27E	N		[279579] TARCO ENERGY, LC
	RUSSELL C	#006	OII	Plugged, Site Released	35	175	27E	N	2/21/2009	[279579] TARCO ENERGY, LC
	RUSSELL C	#009	OII	Active	35	175	27E	0		[279579] TARCO ENERGY, LC
	RUSSEL A	#008	Oil	POSSIBLE PA	35	175	27E	0		PATON BROTHERS
	RUSSELL C	#007	Oil	Plugged, Site Released &	35	175	27E	0	2/17/1977	[279579] TARCO ENERGY, LC
30-015-00642	RUSSELL C	#005	Oil	Plugged, Site Released 4	35	175	27E	0	2/15/1977	[37594] JOE L TARVER
30-015-00643	SOUTH RED LAKE II UNIT	#026	Oil	Plugged, Site Released //	35	175	27E	0	9/17/2008	[241598] FAIRWAY RESOURCES OPERATING, LLC
	SOUTH RED LAKE II UNIT	#031	Oil	Plugged, Site Released 4/	35	175	27E	N	1/19/2007	[241598] FAIRWAY RESOURCES OPERATING, LLC
	SOUTH RED LAKE II UNIT	#032	Oil	Active	35	175	27E	N		[370922] REMNANT OIL OPERATING, LLC
30-015-00718	State	#002	Oil	Plugged, Site Released 12	2	185	27E	Α	4/9/1942	Brainard & Guy
30-015-00719	RIVERWOLF UNIT	#005	Oil	Plugged, Site Released / 3	2	185	27E	С	12/23/2008	[778] BP AMERICA PRODUCTION COMPANY
30-015-00720	RIVERWOLF UNIT	#004	Oil	Plugged, Site Released / 4	2	185	27E	В	12/12/2008	[778] BP AMERICA PRODUCTION COMPANY
30-015-00721	SOUTH RED LAKE II UNIT	#036	Oil	Active	2	185	27E	A		[370922] REMNANT OIL OPERATING, LLC
30-015-00725	SOUTH RED LAKE II UNIT	#034	OII	Active	2	185	27E	c		[370922] REMNANT OIL OPERATING, LLC
30-015-00728	Hudson State	#001	Oil	Plugged, Site Released	2	185	27E	F		[214263] PRE-ONGARD WELL OPERATOR
30-015-00729	EMPIRE ABO UNIT	#013A	Oil	Active	2	185	27E	Ъ		ARCO Oil & Gas Company
30-015-00733	EMPIRE ABO UNIT	#013C	Oil	Active	2	185	27E	E		[873] APACHE CORPORATION
30-015-00734	EMPIRE ABO UNIT	#014A	Oil	Active	2	185	27E	F		[873] APACHE CORPORATION
30-015-00736	State BZ	#004	Oil	Plugged, Site Released ((,	2	185	278	- c		CITIES SERVICE OIL COMPANY
30-015-00737	SOUTH RED LAKE II UNIT	#038	Oil	Active	2	185	27E	8		
	State BZ	#002	Oil	Plugged, Site Released (7	2	185	27E	B		[370922] REMNANT OIL OPERATING, LLC
	SPUROK D STATE	#001	Oll	Plugged, Site Released (2	185	27E			CITIES SERVICE OIL COMPANY
	SOUTH RED LAKE GRAYBURG UNIT	#040	Injection	Plugged, Site Released 14	2	185	27E	E	7/10/2022	MALCO REFINERIES, INC.
	EMPIRE ABO UNIT		Oil	Active		185		G	7/10/2002	[185130] MCQUADRANGLE, LC
30-015-00742	SOUTH RED LAKE GRABURG UNIT		Oil		2		27E	G		[873] APACHE CORPORATION
30-015-00742	MALCO	#001	Oil	Plugged, Site Released 3	2	185	27E	Н		S & J OPERATING, LLC
30-015-00733	SOUTH RED LAKE II UNIT	#001	Injection	Plugged, Site Released 21	3	185	27E	Α .	9/16/2003	[785] AMTEX ENERGY INC
	SOUTH RED LAKE GRABURG UNIT		Oil	Active	2	185	27E	В		[370922] REMNANT OIL OPERATING, LLC
30-015-01213	SOUTH RED LAKE II UNIT			Plugged, Site Released 7	2	185	27E	С		S & J OPERATING, LLC
			OH	Plugged, Site Released ~>	35	175	27E	0	2/21/2009	[241598] FAIRWAY RESOURCES OPERATING, LLC
	HONDO C STATE		Oil	Plugged, Site Released 74	2	185	27E	D		ATLANTIC REFINING COMPANY
	SOUTH RED LAKE II UNIT	#041	Injection	Plugged, Site Released 14	35	175	27E	Р	1/18/2007	[241598] FAIRWAY RESOURCES OPERATING, LLC
	SOUTH RED LAKE GRABURG UNIT		Oil	Plugged, Site Released 20	35	175	27E	N		S & J OPERATING, LLC
	RIVERWOLF UNIT	#011	Injection	Plugged, Site Released	35	175	27E	N	6/8/2002	[778] BP AMERICA PRODUCTION COMPANY
30-015-27224	CHALK BLUFF 35 FED		Gas	Active	35	175	27E	1		[14744] MEWBOURNE OIL CO
	EAGLE 35 L FEDERAL		Oil	Active	35	175	27E	L		[277558] LIME ROCK RESOURCES II-A, L.P.
	LOGAN 2 STATE		Oll	Active	2	185	27E	С		[277558] LIME ROCK RESOURCES II-A, L.P.
	LOGAN 35 B FEDERAL		Oil	Active	35	175	27E	0		[277558] LIME ROCK RESOURCES II-A, L.P.
	LOGAN 35 FEDERAL		Oil	Active	35	175	27E	J		[277558] LIME ROCK RESOURCES II-A, L.P.
	LOGAN 3S FEDERAL		Oil	Active	35	175	27E	K		[277558] LIME ROCK RESOURCES II-A, L.P.
	LOGAN 35 B FEDERAL		Oil	Active	35	175	27E	N		[277558] LIME ROCK RESOURCES II-A, L.P.
	LOGAN 35 B FEDERAL		Oil	Active	35	175	27E	N		[277558] LIME ROCK RESOURCES II-A, L.P.
	LOGAN 3S FEDERAL		Oil	Active	35	175	27E	К		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-30735	LOGAN 35 FEDERAL	#013	Oil	Active	35	175	27E	М		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-30736	LOGAN 35 FEDERAL		Oil	Active	35	175	27E	М		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-30750	LOGAN 35 FEDERAL		Oil	Active	35	175	27E	P		[277558] LIME ROCK RESOURCES II-A, L.P.
	BPO STATE COM		Gas	Active	2	185	27E	4	·	[873] APACHE CORPORATION
	MJ STATE		Gas	Active	2	185	27E	4		[873] APACHE CORPORATION
	MJ STATE		Gas	Active	2	185	27E	D		[873] APACHE CORPORATION

Tarco Energy, LC; Brad State No. 1: 1/2 Mile Area of Review Well List (Cont.)

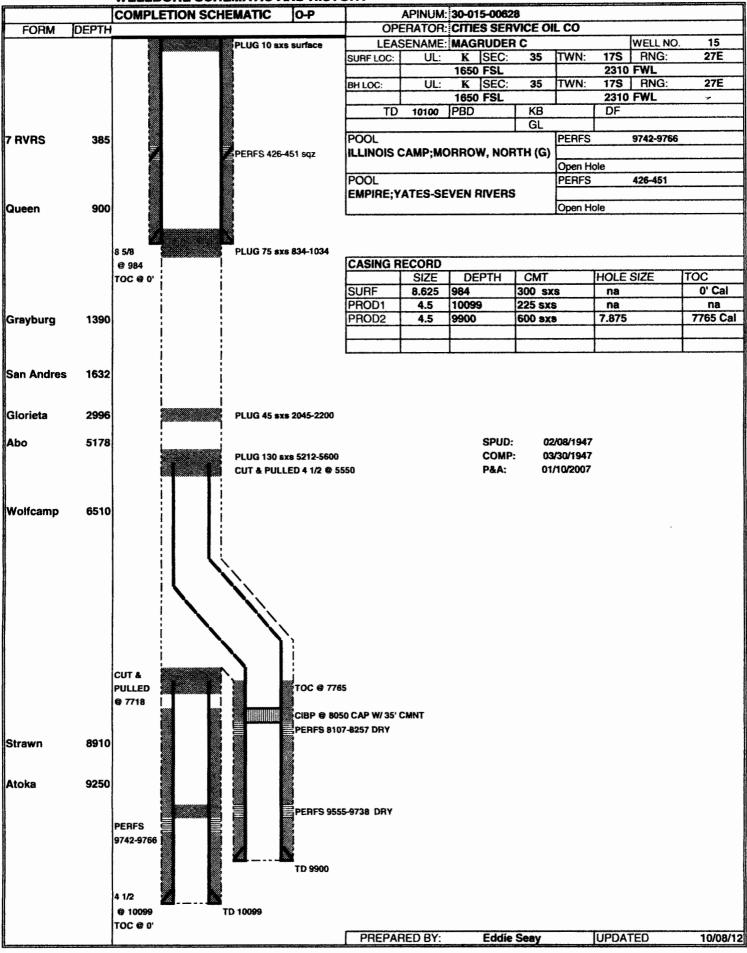
API	Well Name	Well Number	Туре	Status	Section	Township	Range	OCD Unit Letter	Plugged On	Current Operator
30-015-32231	TDF STATE	#001	Gas	Active	2	185	27E	F		[873] APACHE CORPORATION
30-015-32899	BM STATE	#001	Oil	Active	2	185	27E	K		[873] APACHE CORPORATION
30-015-32900	TDF STATE	#002	Oil	Active	2	185	27E	F		[873] APACHE CORPORATION
30-015-33111	LOGAN 2C STATE	#003	Oil	Active	2	185	27E	С		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-36073	RUSSELL C	#006X	Oil	Active	35	175	27E	N		[279579] TARCO ENERGY, LC
30-015-36081	LOGAN 35 FEDERAL	#001	Oil	Active	35	175	27E	1		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-36213	RUSSELL C	#005Y	Oil	Active	35	175	27E	0		[279579] TARCO ENERGY, LC
30-015-37744	MAGRUDER	#019	Oil	Active	35	175	27E	J		[279579] TARCO ENERGY, LC
30-015-37746	MAGRUDER	#021	Oil	Active	35	175	27E	J		[279579] TARCO ENERGY, LC
30-015-37762	RUSSELL C	#007Y	Oil	Active	35	175	27E	0		[279579] TARCO ENERGY, LC
30-015-37783	RUSSELL C	#003	Injection	Active	35	175	27E	0		[279579] TARCO ENERGY, LC
30-015-39009	EMPIRE ABO UNIT	#415	Oil	Plugged, Site Released 24	2	185	27E	G	3/20/2015	[873] APACHE CORPORATION
30-015-40618	BRAD STATE	#001	Oil	Active	2	185	27E	С		[279579] TARCO ENERGY, LC
30-015-40619	BRAD STATE	#002	Oil	Active	2	185	27E	С		[279579] TARCO ENERGY, LC
30-015-40620	BRAD STATE	#003	Oil	Active	2	185	27E	С		[279579] TARCO ENERGY, LC
30-015-40621	BRAD STATE	#004	Oil	Active	2	185	27E	С		[279579] TARCO ENERGY, LC
30-015-40679	BLAKE STATE	#004	Oil	Active	2	185	27E	В		[279579] TARCO ENERGY, LC
30-015-40783	LOGAN 2C STATE	#004	Oil	Active	2	185	27E	C		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-40806	LOGAN 35 M FEDERAL	#016	Oil	Active	35	175	27E	М		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-40807	LOGAN B 35 N FEDERAL	#018	Oil	Active	35	175	27E	N		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-40808	LOGAN 35 P FEDERAL	#019	Oil	Active	35	175	27E	Р		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-41119	LOGAN 2C STATE	#005	Oil	Active	2	185	27E	С		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-41434	LOGAN 35 K FEDERAL	#015	Oil	Active	35	175	27E	K		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-41435	LOGAN 35 O FEDERAL	#010	Oil	Active	35	175	27E	0		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-41441	EAGLE 35 L FEDERAL	#023	Oil	Active	35	175	27E	L		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-41960	MJ STATE	#003	OII	Active	2	185	27E	D		[873] APACHE CORPORATION
30-015-41961	MJSTATE	#004	Oil	Active	2	185	27E	D		[873] APACHE CORPORATION
30-015-42002	SB STATE		Oil	Active	2	185	27E	E		[873] APACHE CORPORATION
30-015-42247	LOGAN 35 J FEDERAL		Oil	Active	35	175	27E]		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-43066	LOGAN B 35 N FEDERAL			New	35	175	27E	N		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-43252	LOGAN 35 O FEDERAL	#022	Oil	New	35	175	27E	0		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-43728	LOGAN 35 M FEDERAL	#021	Oil	New	35	175	27E	М		[277558] LIME ROCK RESOURCES II-A, L.P.
30-015-44784	LOGAN 35 P FEDERAL	#023	Oil	New	35	175	27E	Р		[277558] LIME ROCK RESOURCES II-A, L.P.
							_			

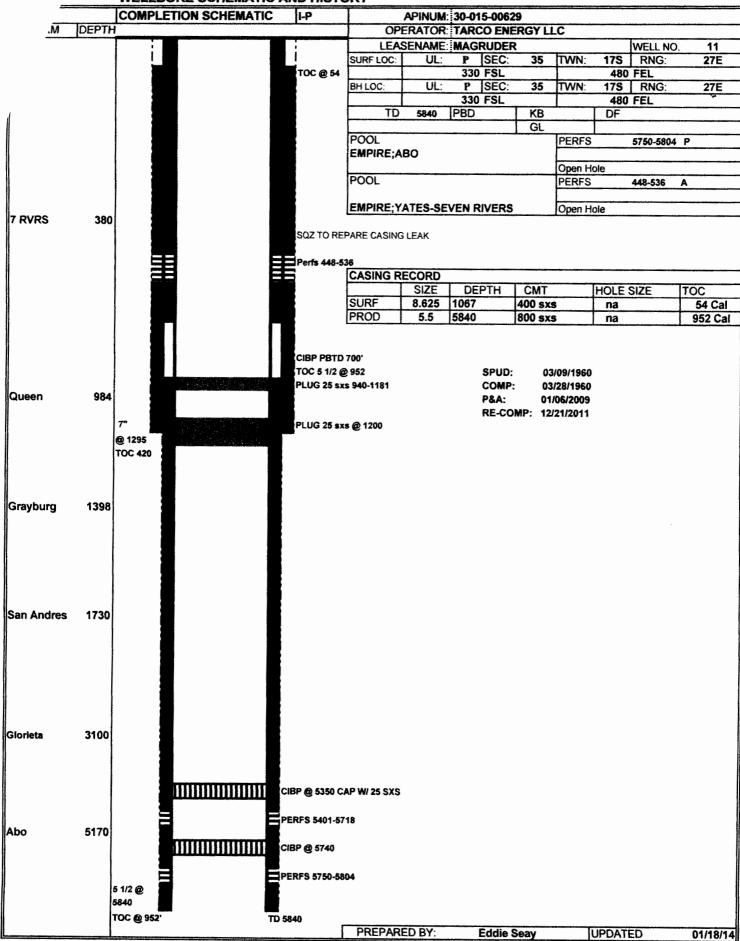
Tarco Energy, LC PMX Application: Brad State No. 1

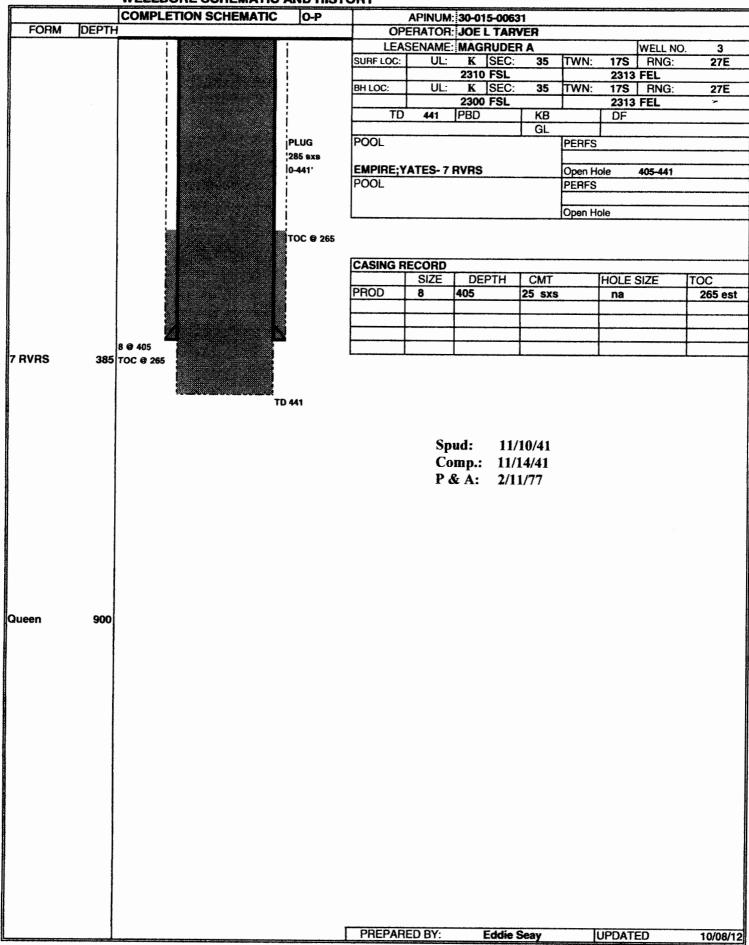
Area of Review Well Data Previously Submitted In Case No. 14931 dated 11/29/2012 and/or PMX Application for Brad State No. 5 Submitted February, 2014 (Well Data Updated as Necessary)

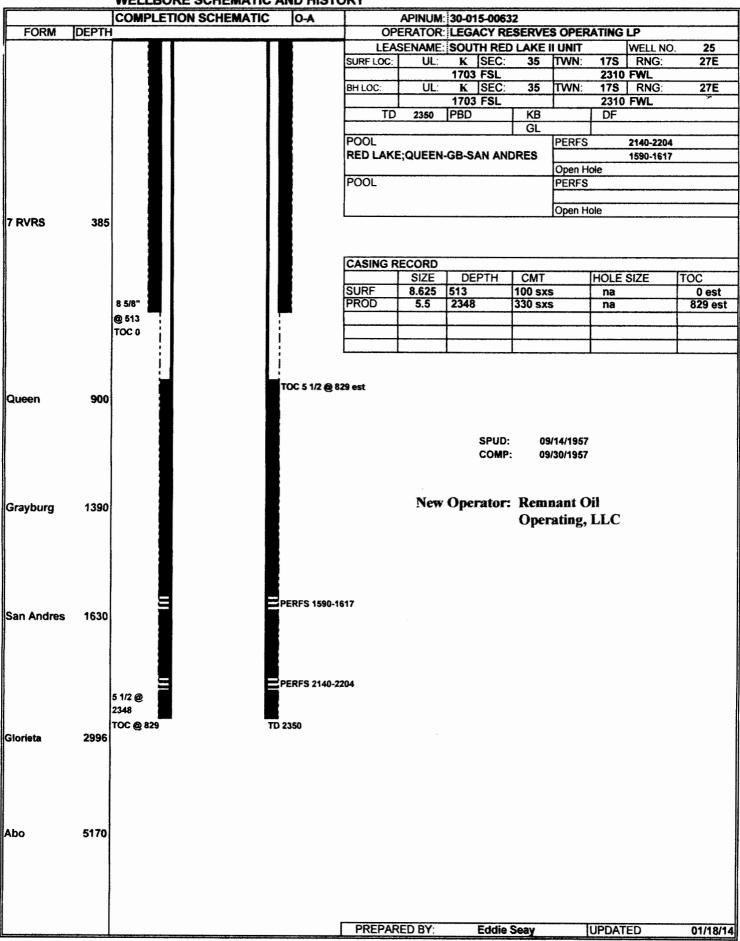


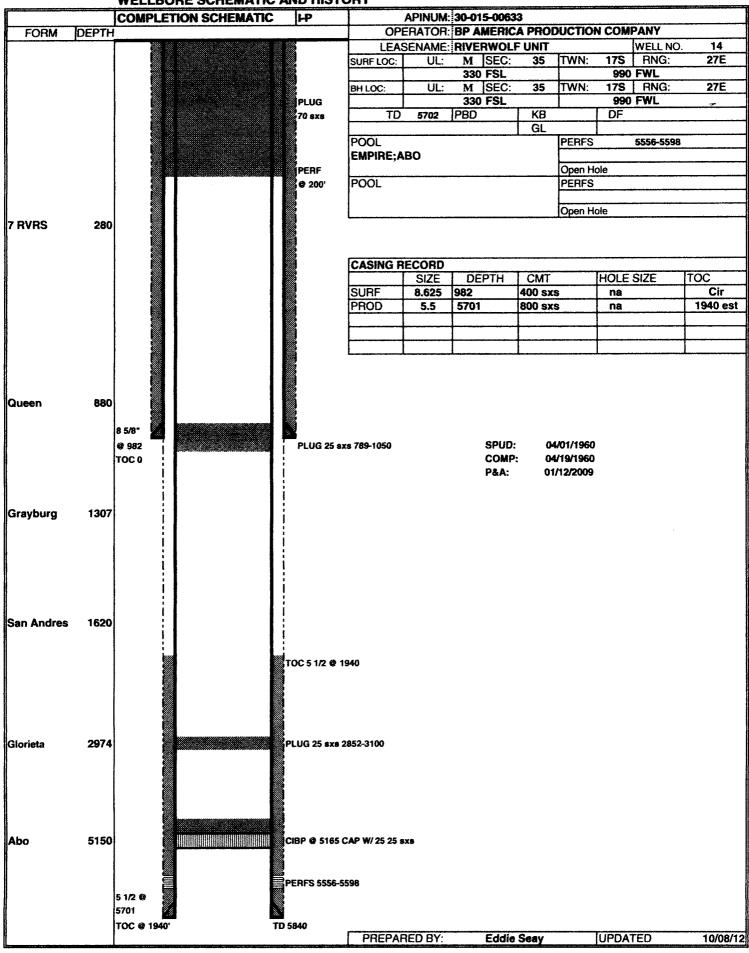
		COMPLETION SCHEMATIC	О-Р		APINUM	: 30-015-0062	6				
FORM	DEPTH			OPE	ERATOR	: PRE-ONGAI	RD WEL		ATOR		
					SENAME	PRE-ONGAI	RD WEL	L		WELL NO.	
				SURF LOC:	UL:	J SEC: 1650 FSL	35	TWN:	175	RNG:	27E
	,			BH LOC:	UL:	J SEC:	35	TWN:	2310 17S		27E
						1650 FSL		1	2310		*
	,			TD	NA	PBD	KB		DF		
				PO 61			GL	T			
	,			POOL				PERFS			
								Open Ho	ole		
				POOL			-	PERFS			
				L				Open Ho	ole		
	,										
			1	CASING R	ECORD						
					SIZE	DEPTH	CMT		HOLE	SIZE	тос
				SURF	************************	NO MELL E	- F FOR	TUIC			ļ
	1		,	PROD		NO WELL FI	LE FUN	THIS			
							 				
7 RVRS	440										
						SPUD: COMP: P&A: Name: Marator: Pate	agrude		5		
Queen	940			PREDAD							
				PREPAR	ED BY:	Eddie 9	Seay	1	UPDAT	ED	10/08/12

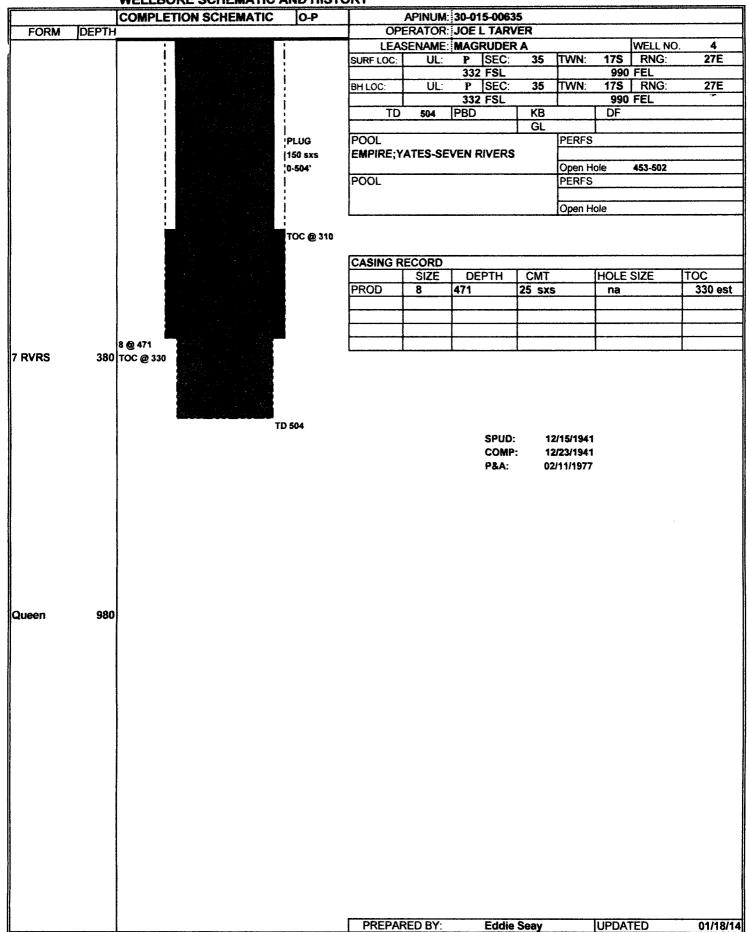


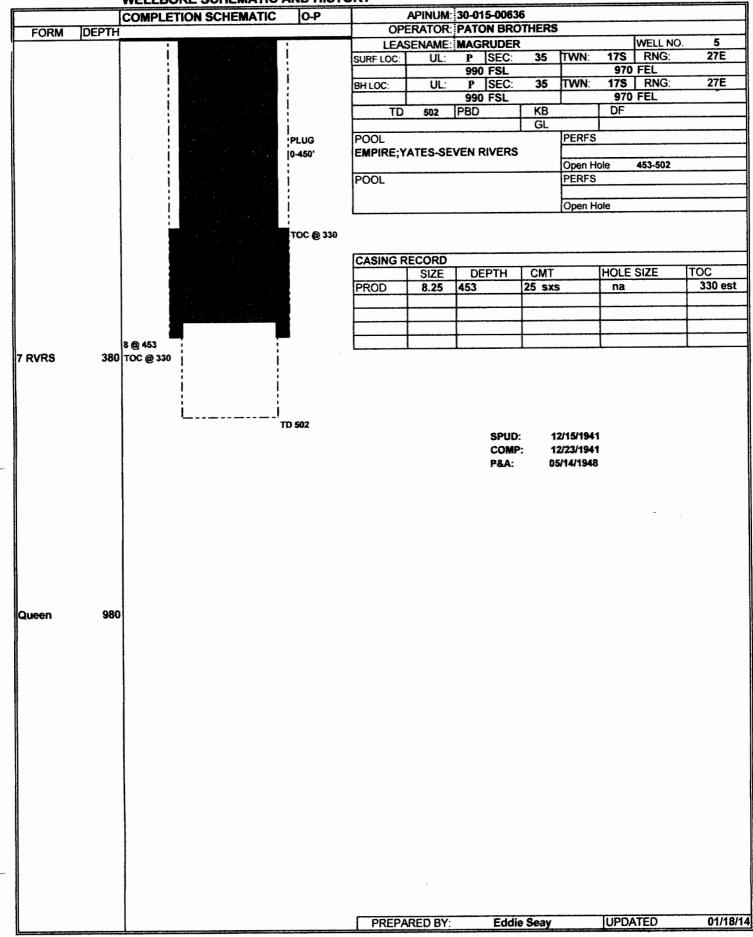


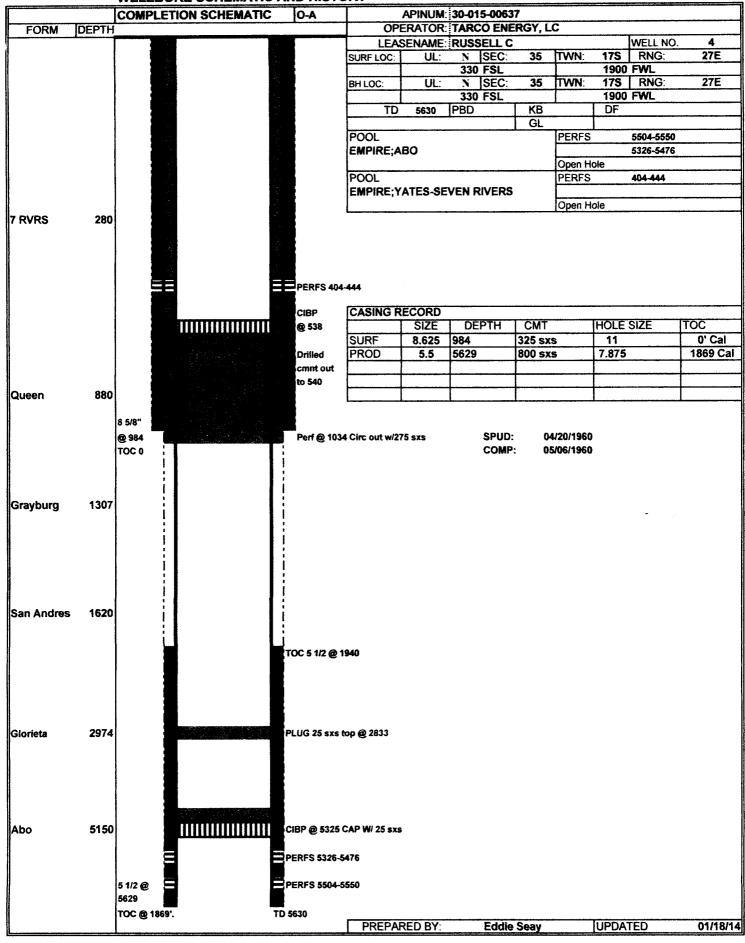


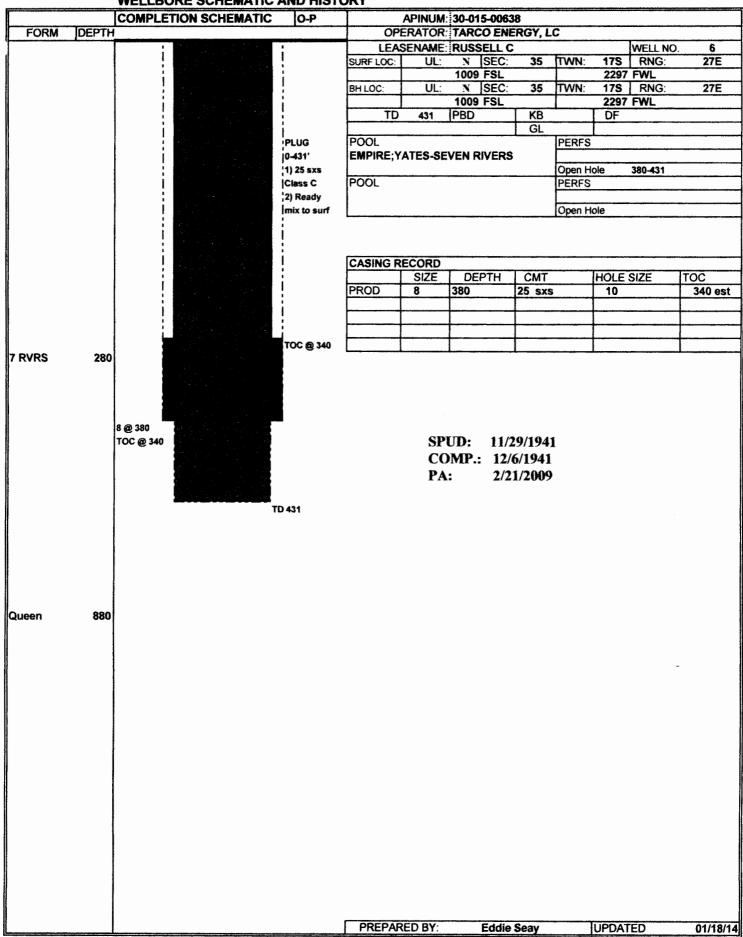


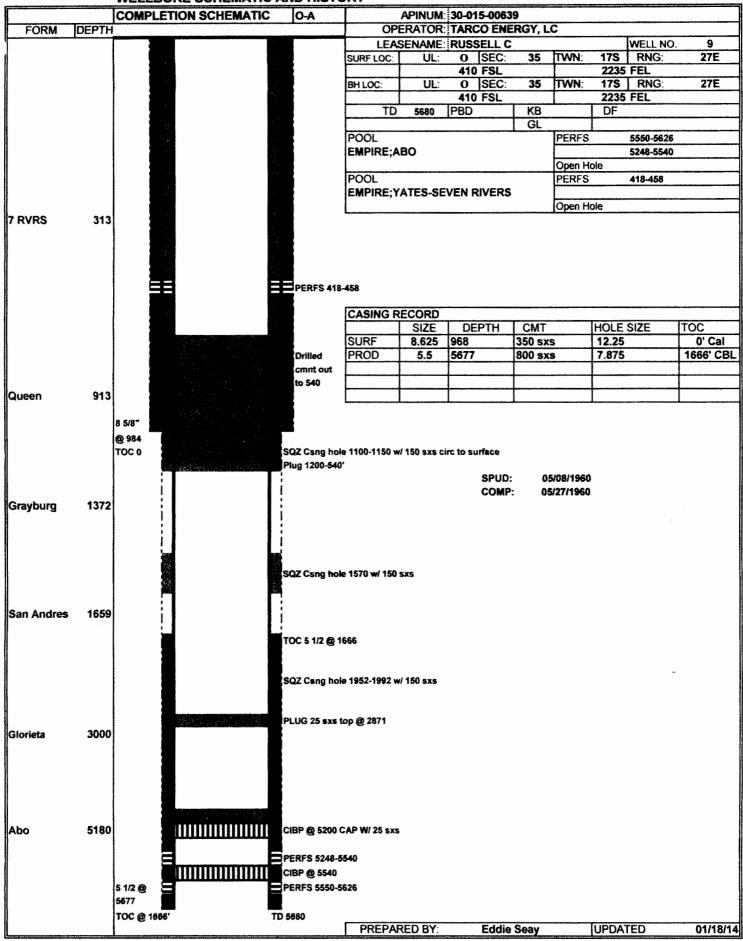




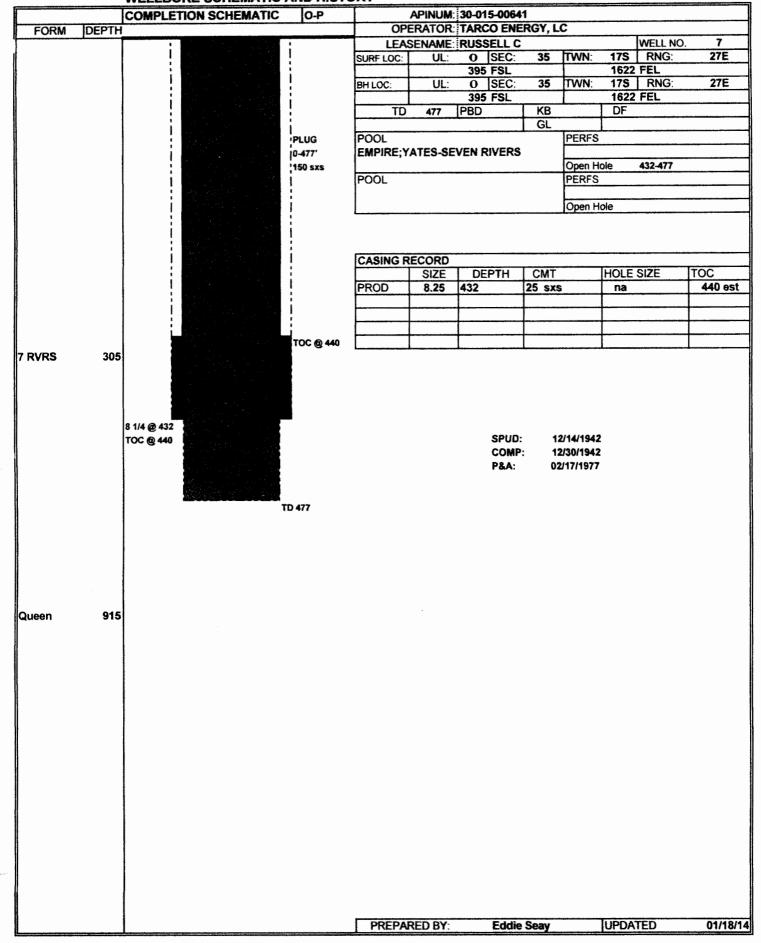


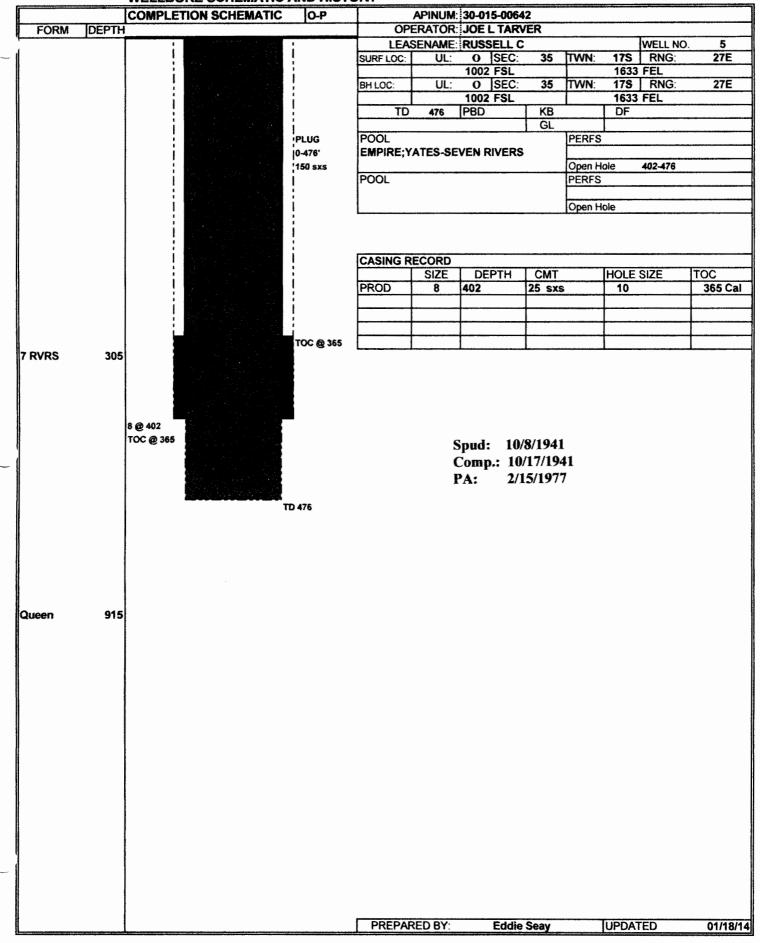


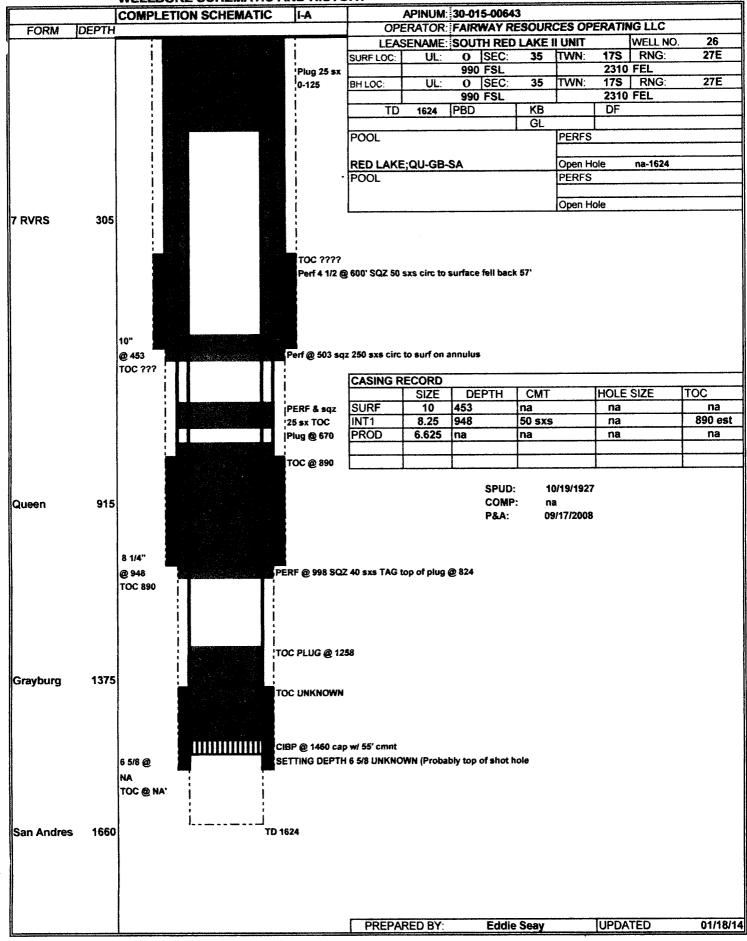


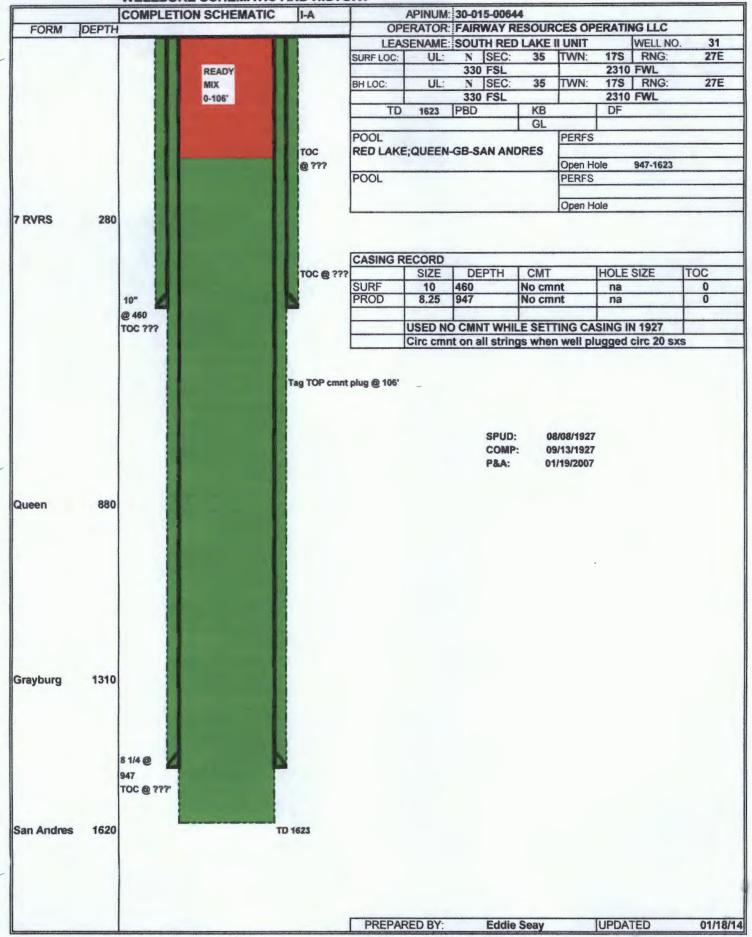


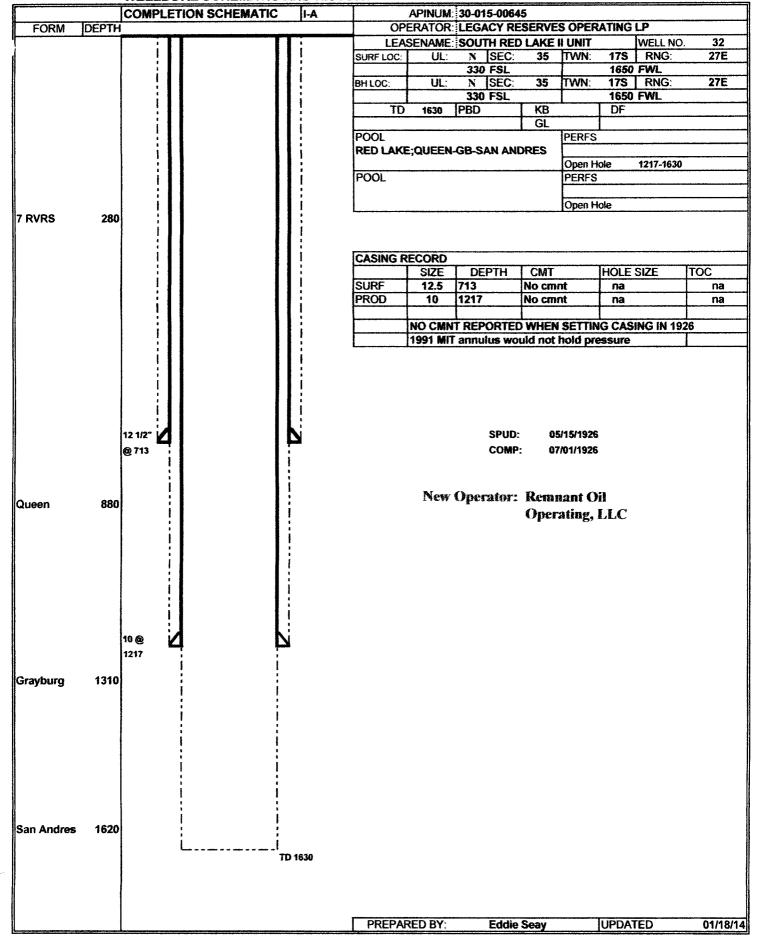
ſ		COMPLETION SCHEMATIC	O-P		APINUM	- 20-01	= 006A	^					
FORM	DEPTH		JU-P						OPER	ATOR			
7 07 1101	IDE: 11			OPERATOR: PRE-ONGARD WELL OPERATOR LEASENAME: PRE-ONGARD WELL WELL NO. 8									
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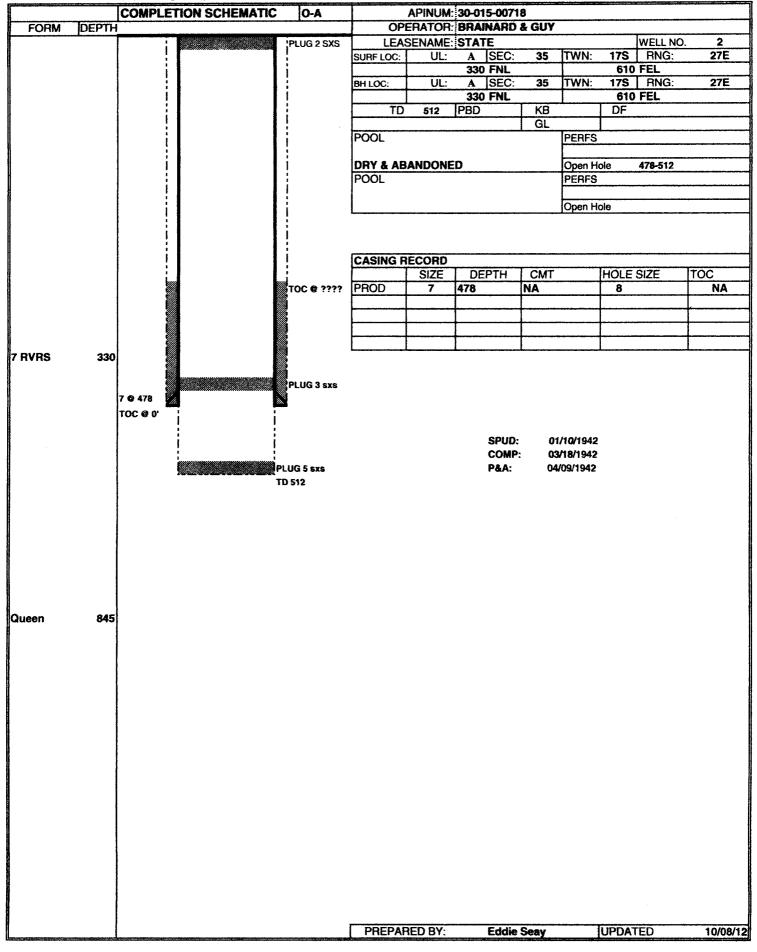






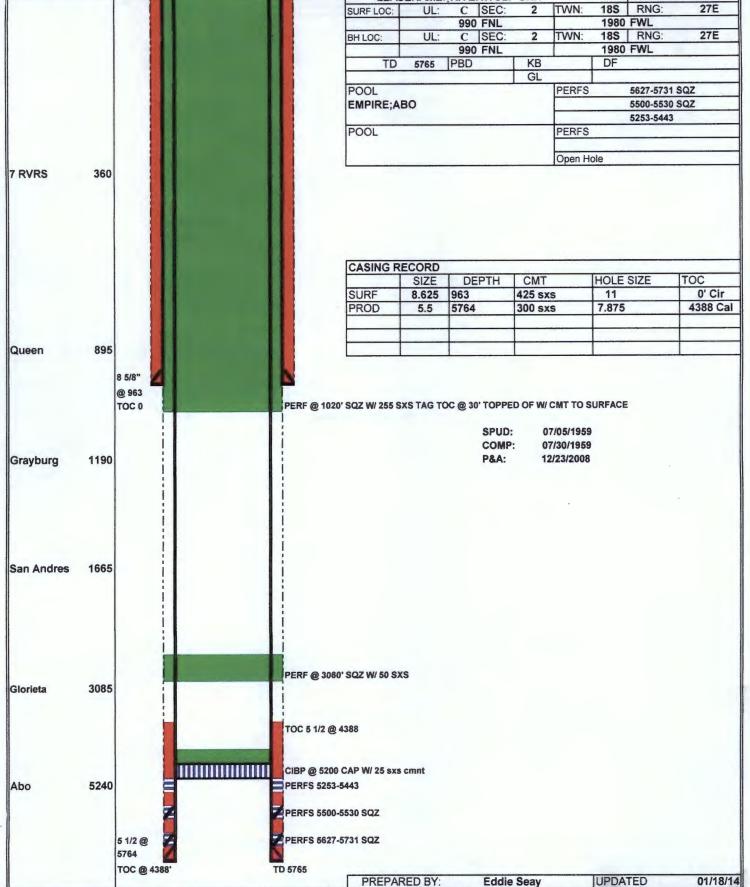


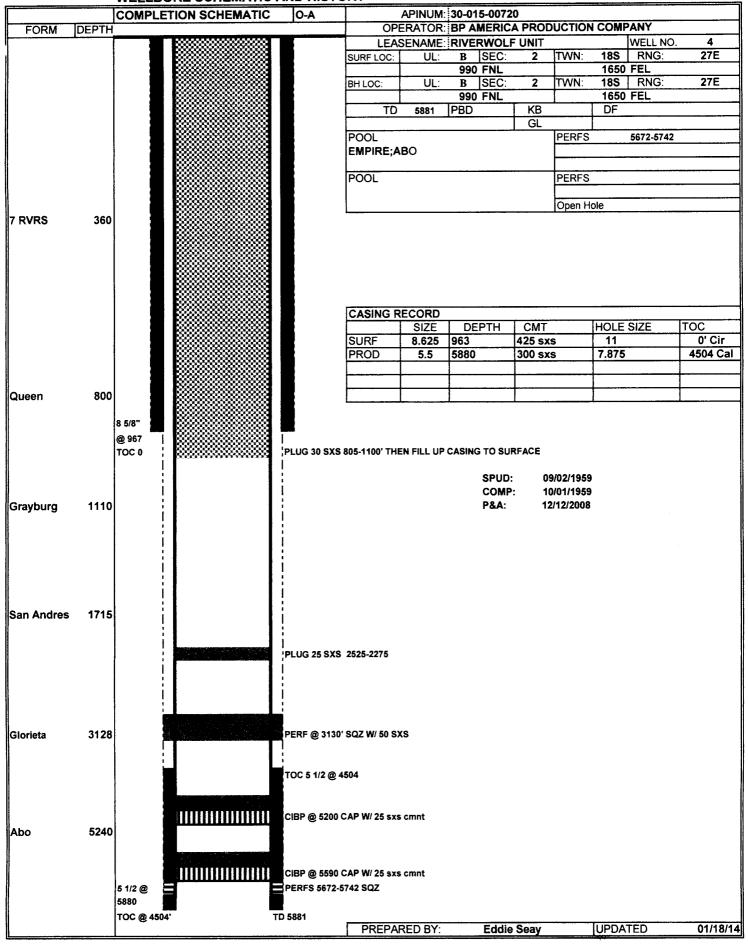


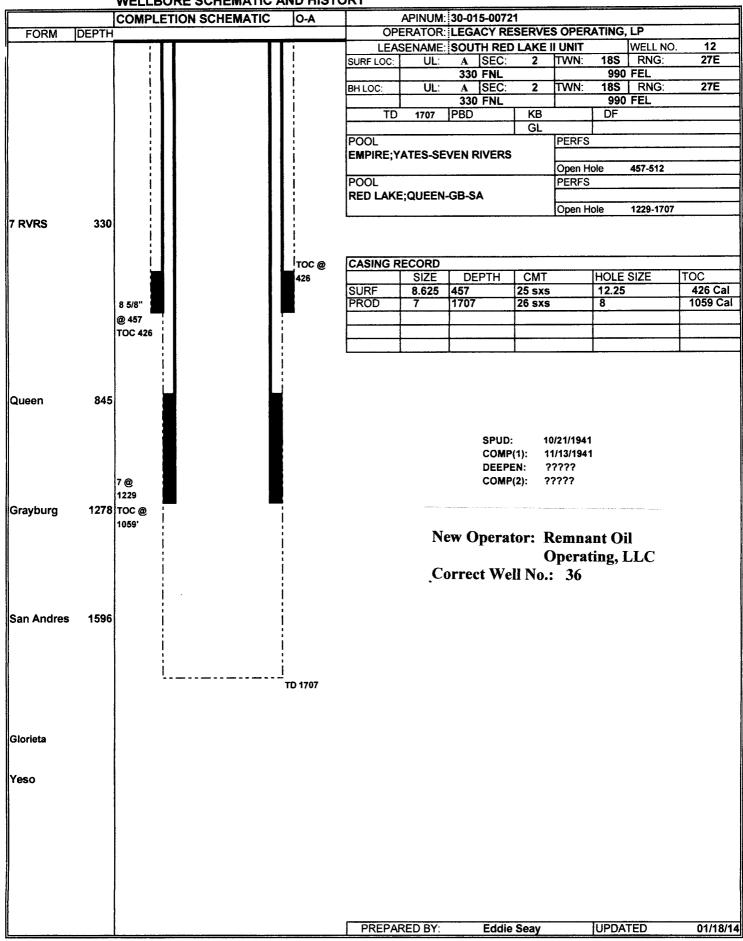


WELLBORE SCHEMATIC AND HISTORY COMPLETION SCHEMATIC APINUM: 30-015-00719 OPERATOR: BP AMERICA PRODUCTION COMPANY DEPTH LEASENAME: RIVERWOLF UNIT WELL NO 5 SURF LOC: 185 RNG: UL: C SEC: TWN: 1980 FWL 990 FNL 185 | RNG: UL: C SEC 2 TWN: BH LOC: 990 FNL 1980 FWL 5765 TD PBD KB DF GL POOL **PERFS** 5627-5731 SQZ 5500-5530 SQZ EMPIRE; ABO 5253-5443 PERFS POOL Open Hole 360 CASING RECORD SIZE DEPTH CMT HOLE SIZE SURF 8.625 963 425 sxs 11 7.875 PROD 300 sxs 5.5 5764

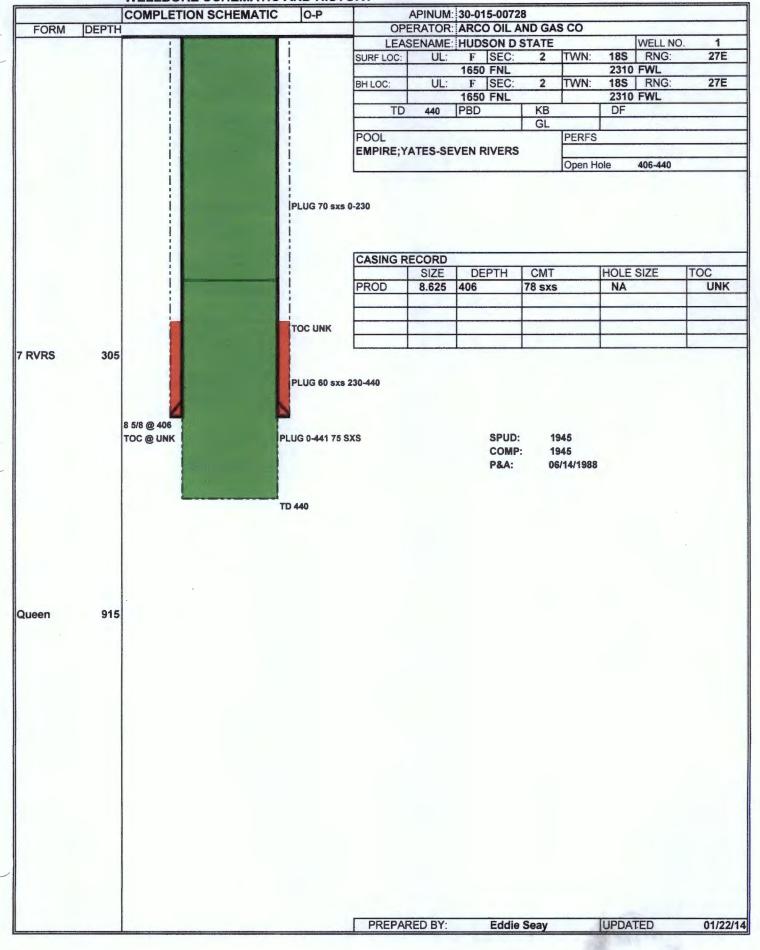
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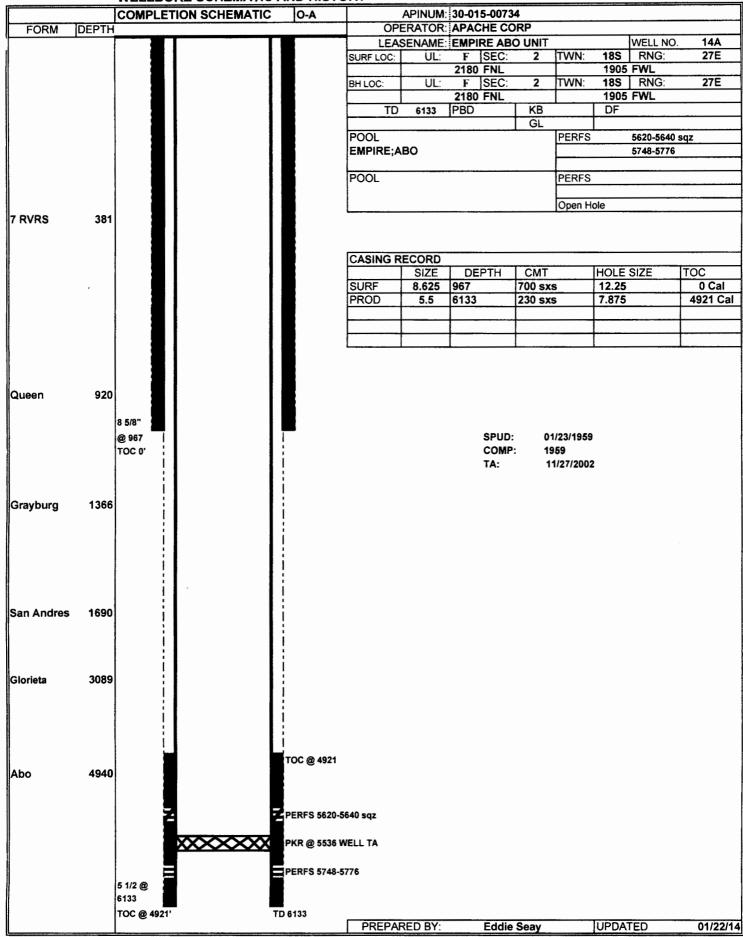


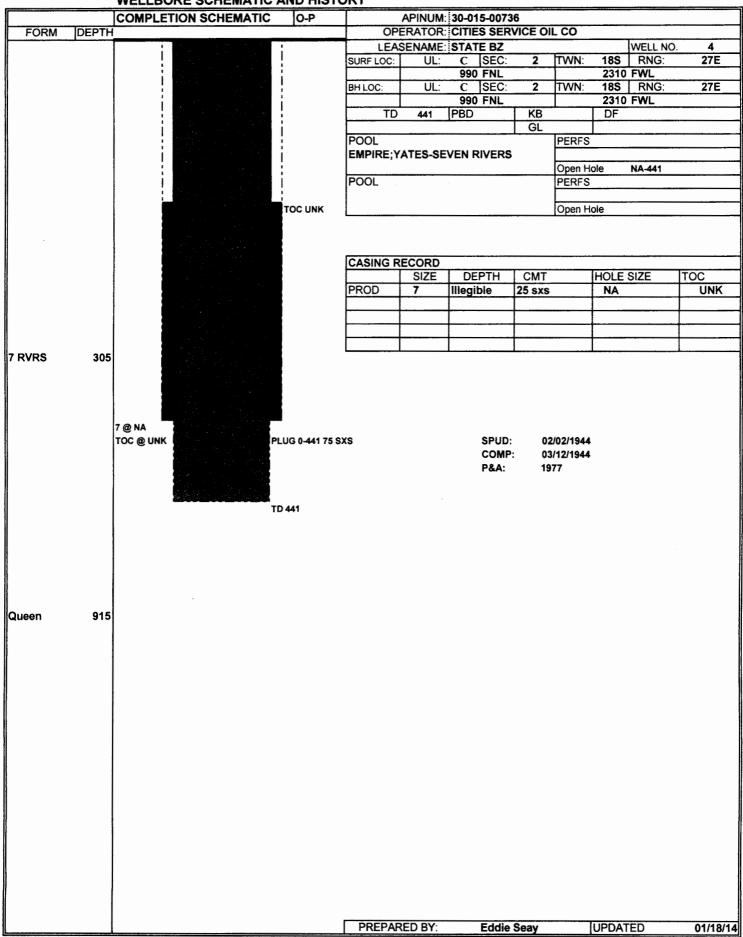


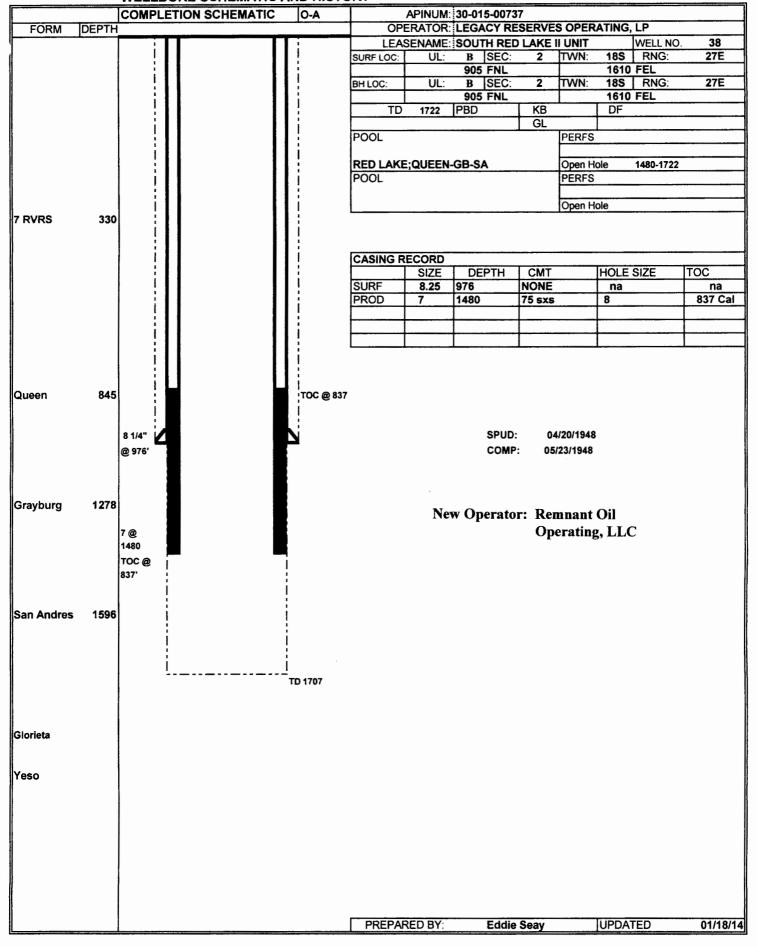


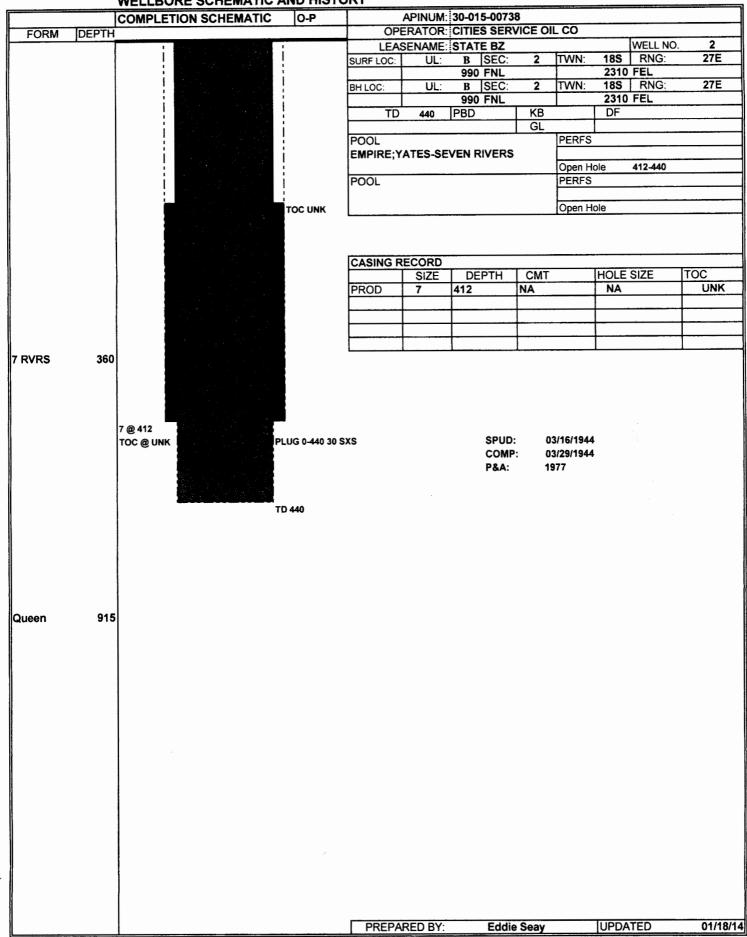
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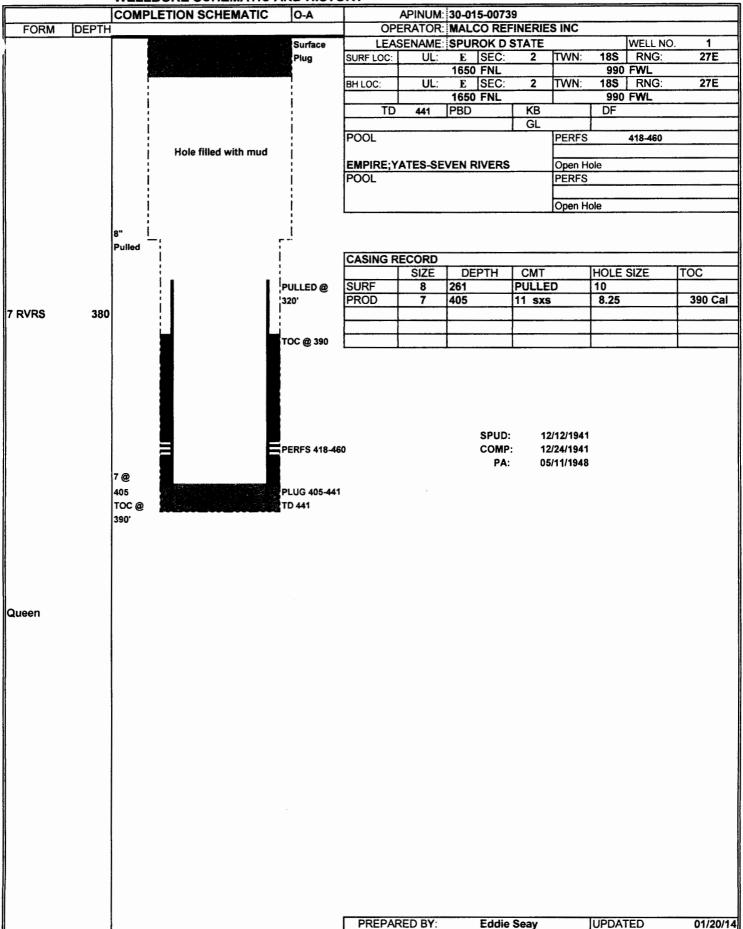


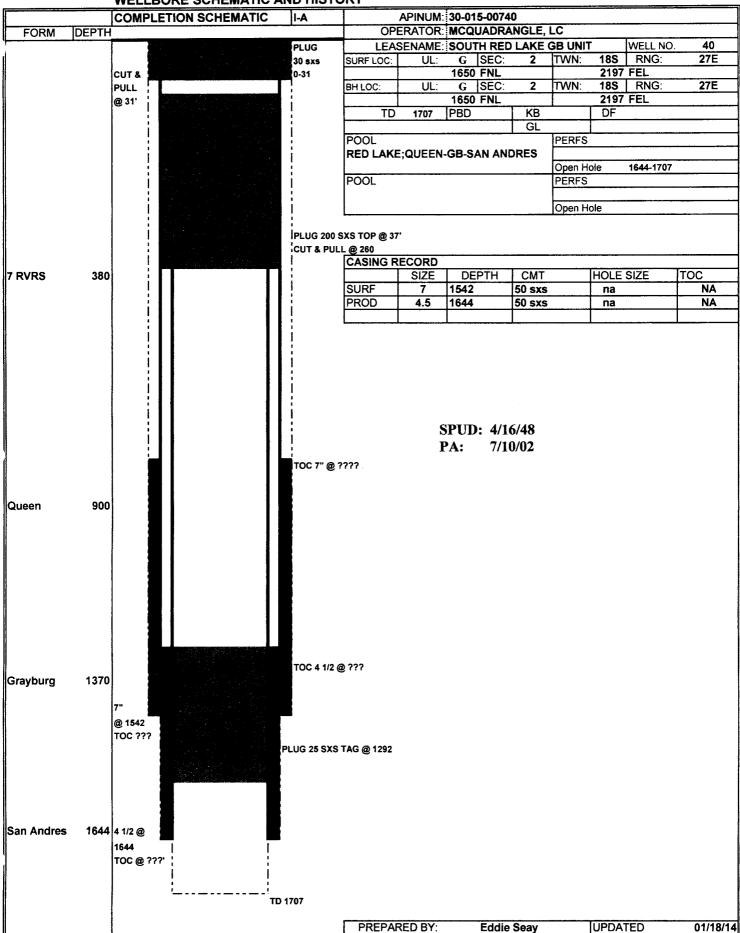


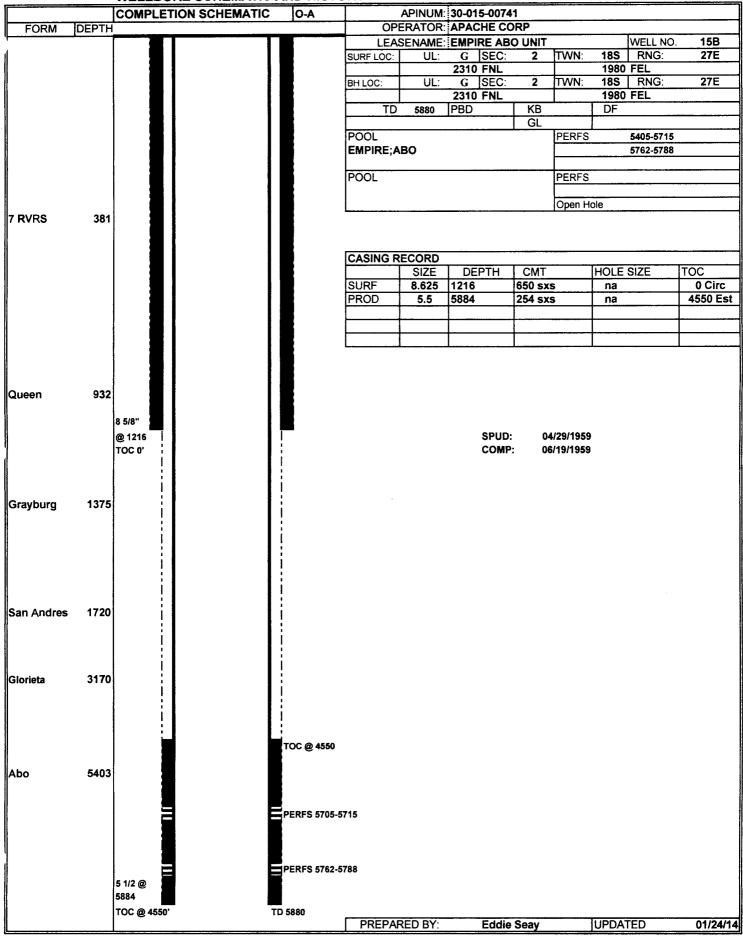


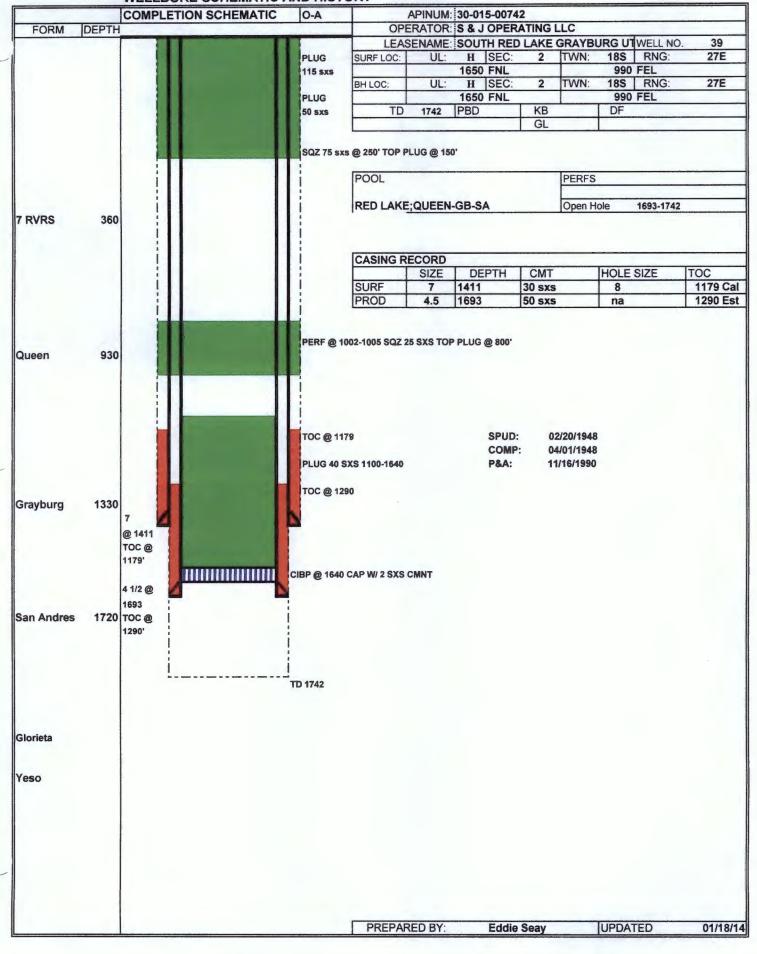


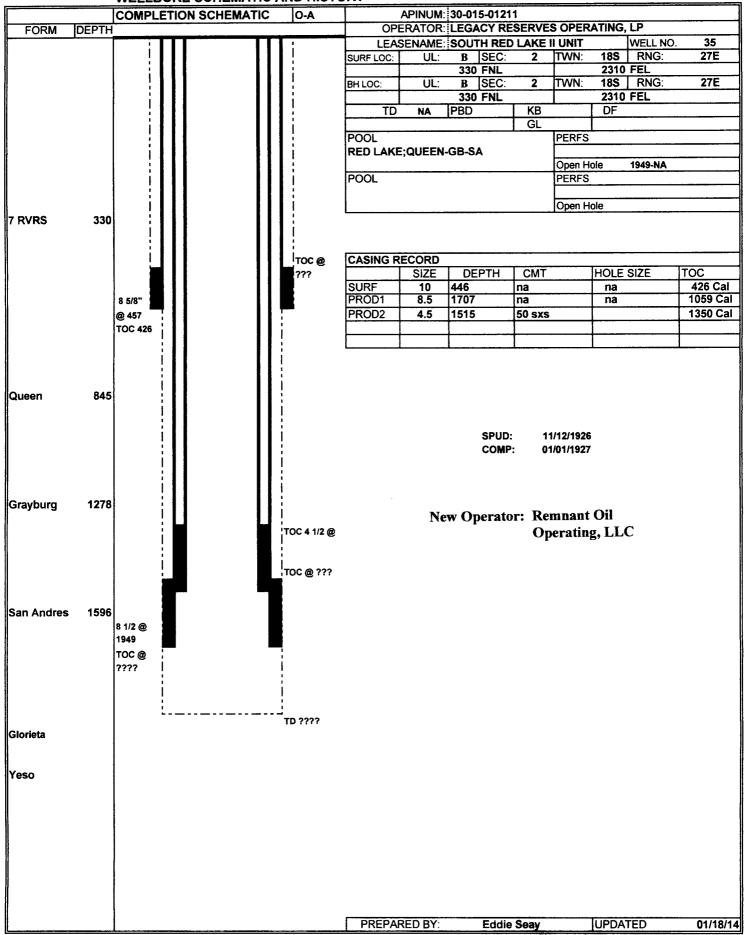












WELLBORE SCHEMATIC AND HISTORY COMPLETION SCHEMATIC APINUM: 30-015-01213 OPERATOR: S J OPERATING CO FORM DEPTH LEASENAME: SOUTH RED LAKE GB UNIT WELL NO. C SEC: 0-60 SURF LOC: TWN: 185 RNG: 27E 1650 FWL 280 FNL UL: C SEC: 2 TWN: 185 RNG: 27E BH LOC: 280 FNL 1650 FWL TD 1630 PBD KB DF GL POOL **PERFS** 1601-1630 RED LAKE; QU-GB-SA Open Hole POOL **PERFS** Open Hole 7 RVRS 380 Perf 4 1/2 @ 425' SQZ 45 sxs TOC @ 350 10" Perf @ 485 sqz 40 sxs circ TOC @ 280 @ 435 TOC ??? CASING RECORD DEPTH CMT HOLE SIZE TOC SIZE SURF 448 10 na na na INT1 8.25 849 na na na 50 sxs na PROD 4.5 1601 na No indications in well file of cmnt run on surface & intermediate SPUD: 11/12/1926 900 COMP: 01/01/1927 Queen P&A: 01/14/1993 8 1/4" @ 849 TOC ??? PERF @ 1000 Pump 25 sxs TAG top of plug @ 1000 PLUG 15 sxs 1150-1370 1370 Grayburg TOC 4 1/2 UNKNOWN 4 1/2 @ 1601 TOC @ NA' San Andres 1640 **TD 1638**

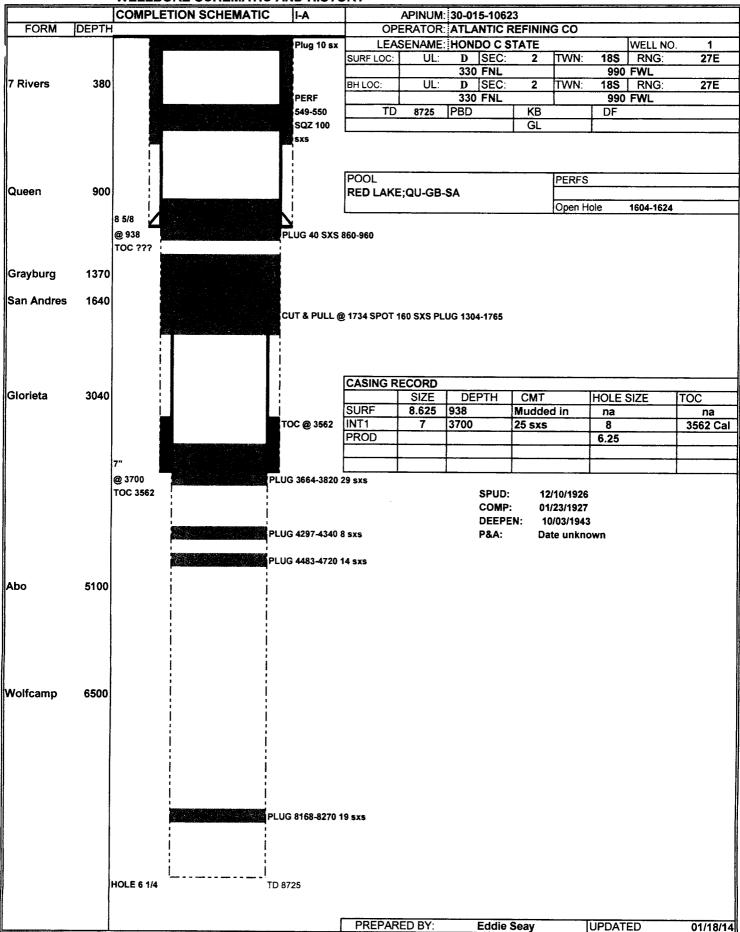
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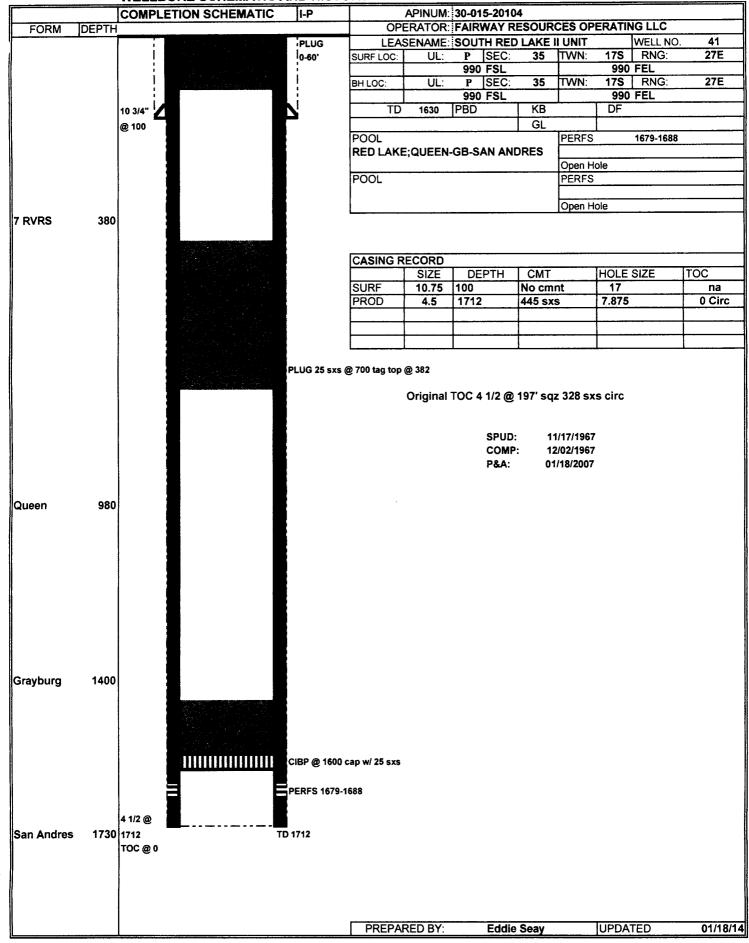
Eddie Seay

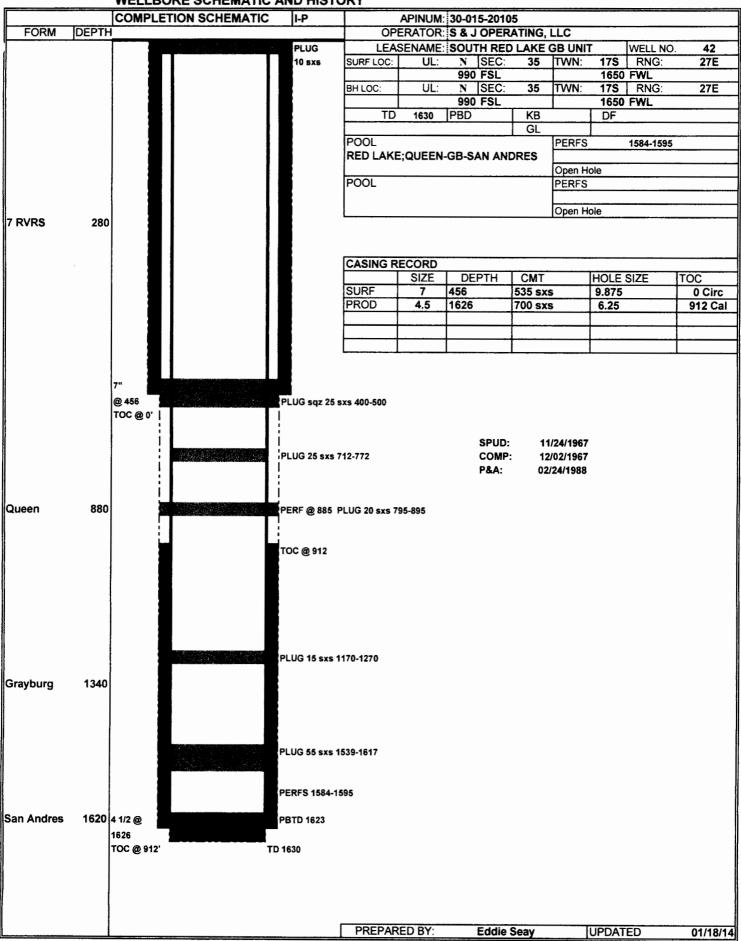
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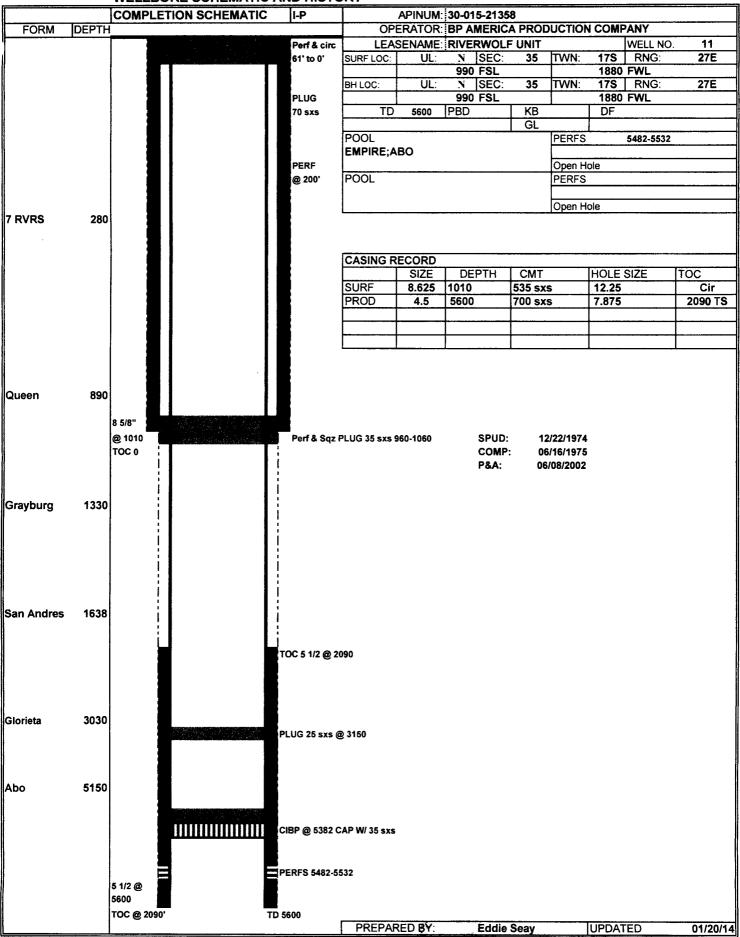
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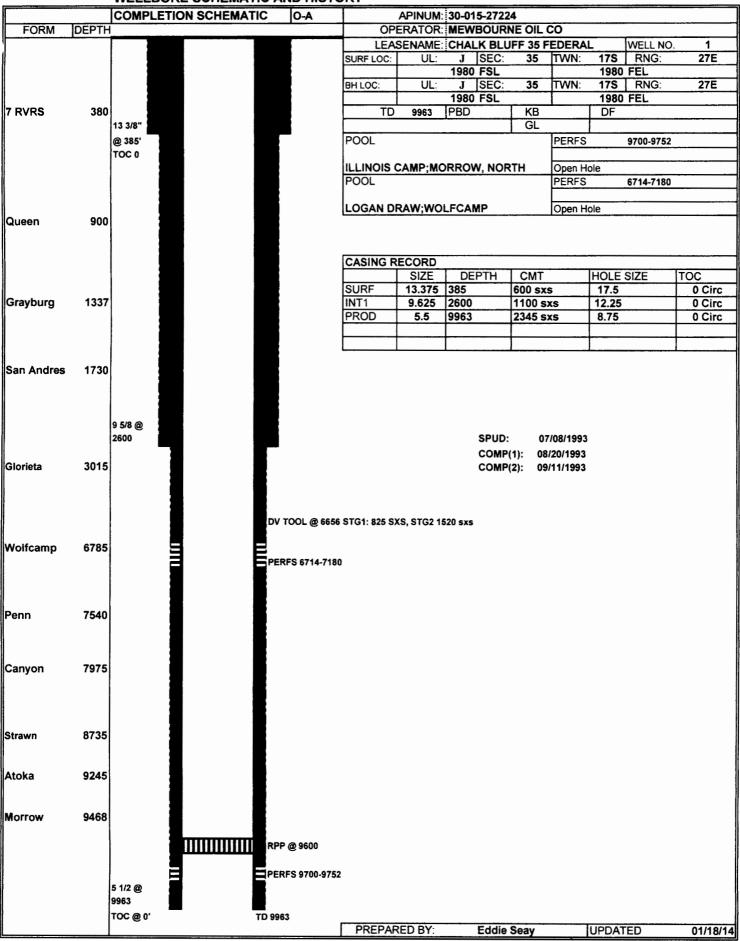
WELLBORE SCHEMATIC AND HISTORY COMPLETION SCHEMATIC APINUM: 30-015-01222 OPERATOR: FAIRWAY RESOURCES OPERATING LLC FORM DEPTH LEASENAME: SOUTH RED LAKE II UNIT WELL NO 30 27E SURF LOC: O SEC: 35 TWN: 175 | RNG: 2310 FEL Plug 50 sx 330 FSL 175 | RNG: O SEC TWN: 27E UL: 35 0-100 BH LOC: 2310 FEL 330 FSL TD 1638 PBD KB DF GL POOL PERFS RED LAKE; QU-GB-SA na-1624 Open Hole POOL PERFS Open Hole 7 RVRS 305 Perf 4 1/2 @ 600' SQZ 50 sxs circ to surface fell back 57' Perf @ 485 sqz 40 sxs circ TOC @ 280 @ 435 TOC ??? **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 Queen 915 COMP: 03/12/1927 02/05/2009 P&A: 8 1/4" PERF @ 999 SQZ 40 sxs TAG top of plug @ 780 @ 948 TOC ??? PLUG 25 sxs 1309-1624 Grayburg 1375 TOC 6 5/8 UNKNOWN 6 5/8 @ SETTING DEPTH 6 5/8 UNKNOWN (Probably top of shot hole NA TOC @ NA' San Andres 1660 TD 1638 PREPARED BY: UPDATED **Eddie Seay** 01/18/14

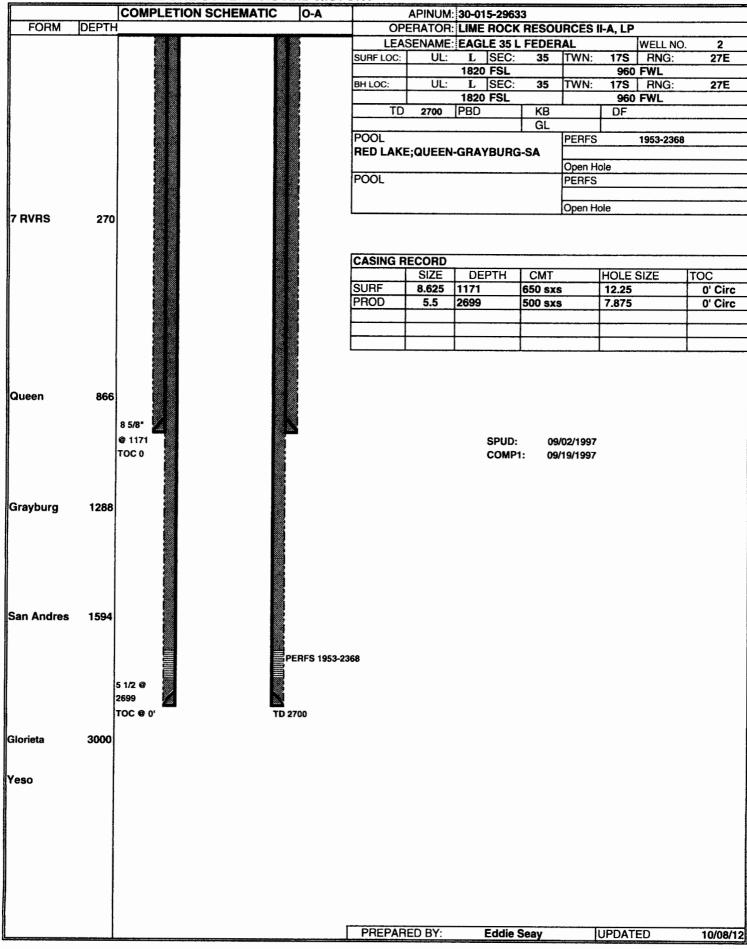


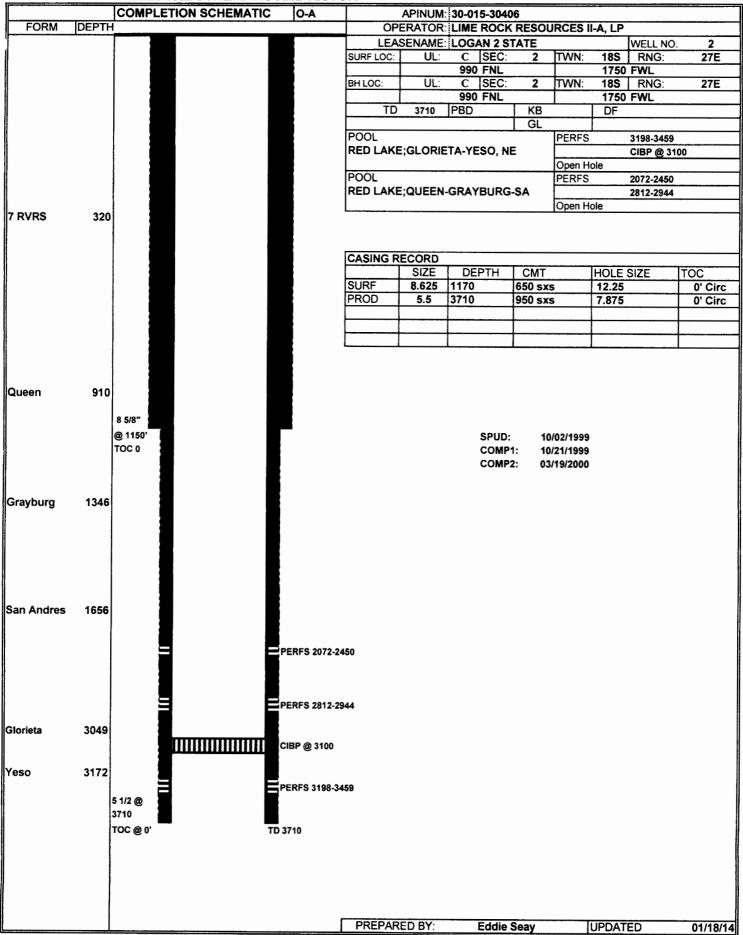


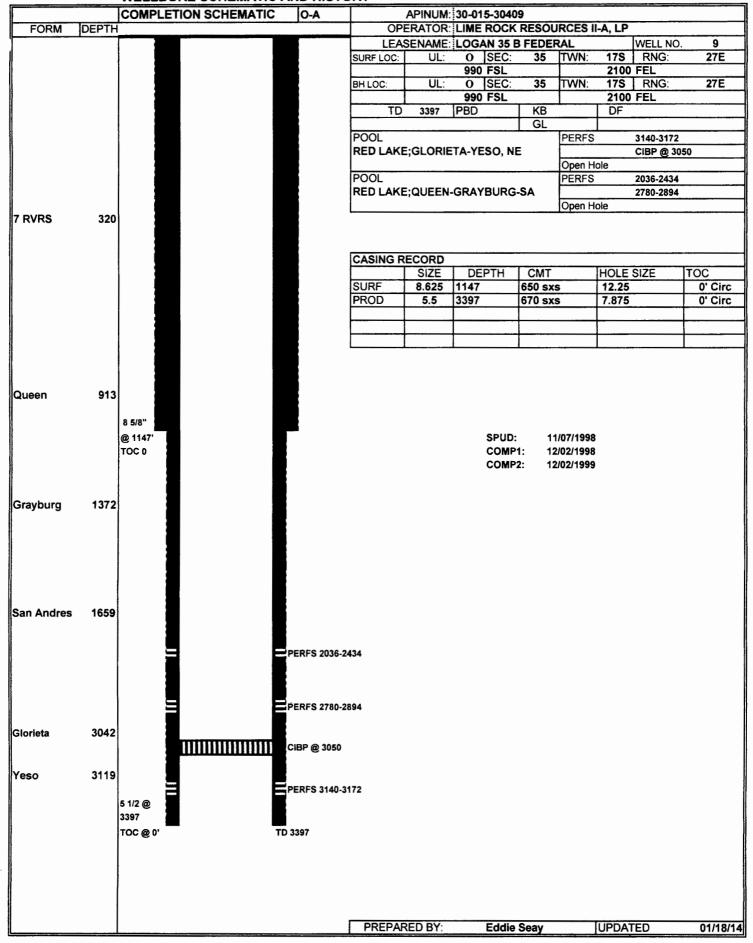


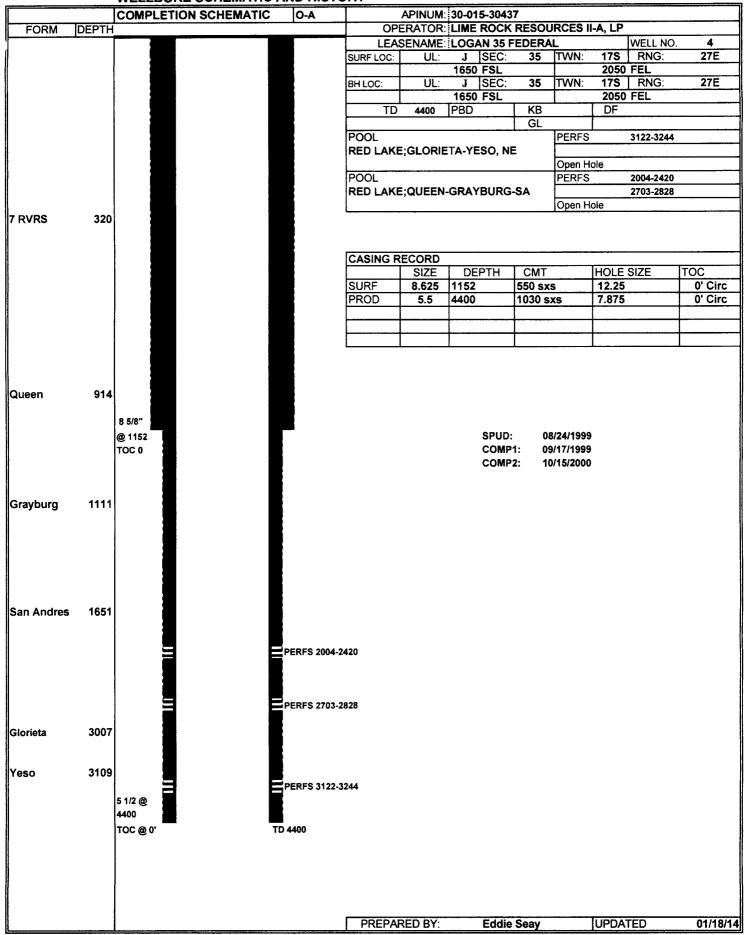


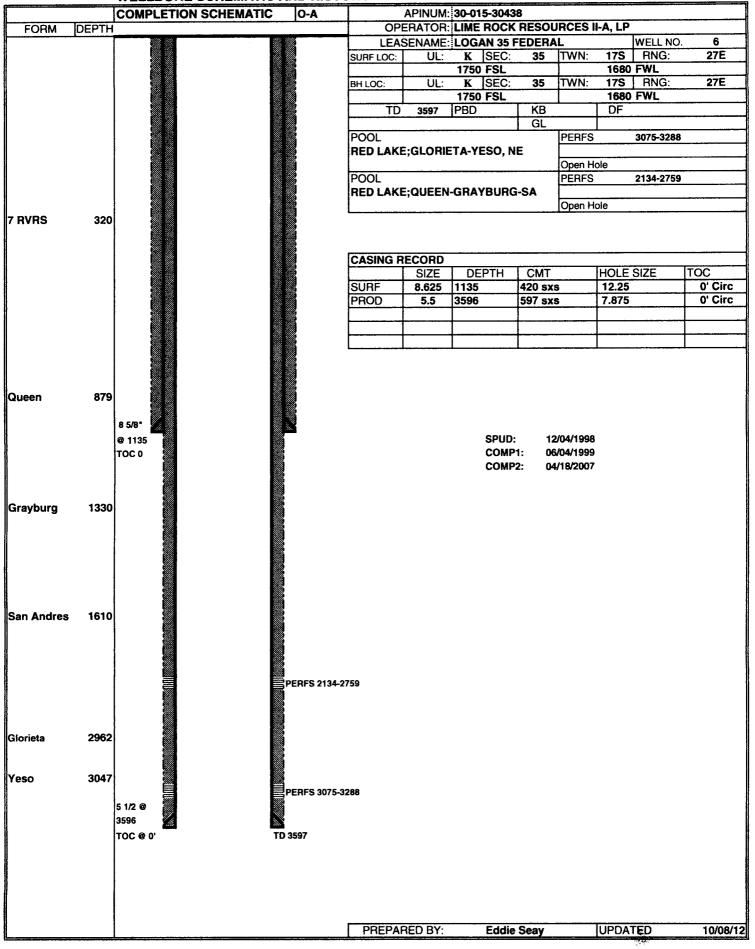


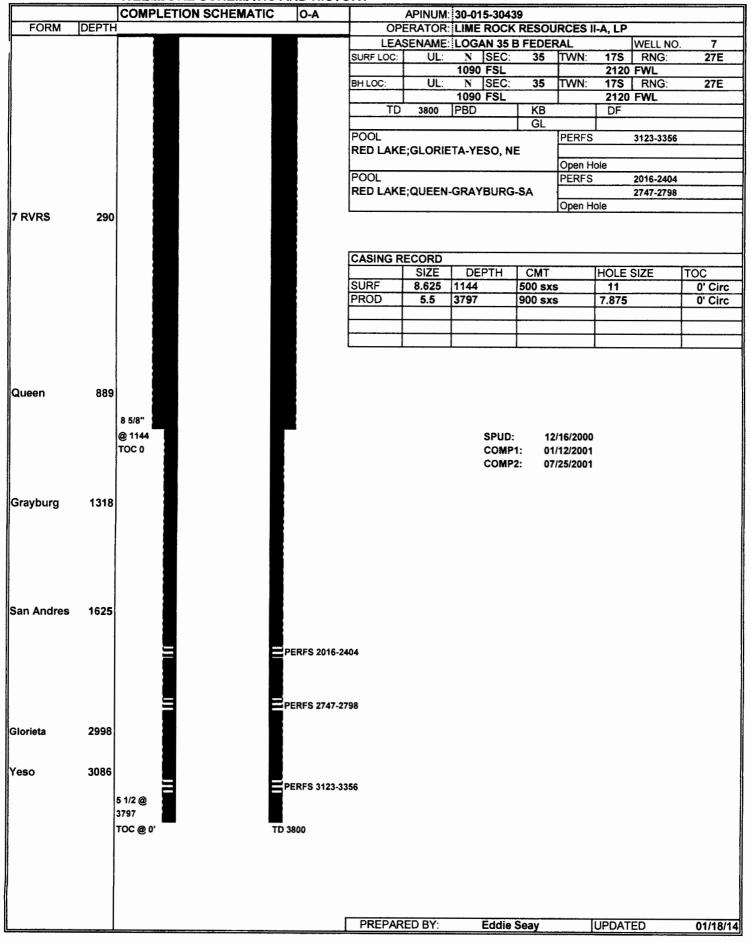


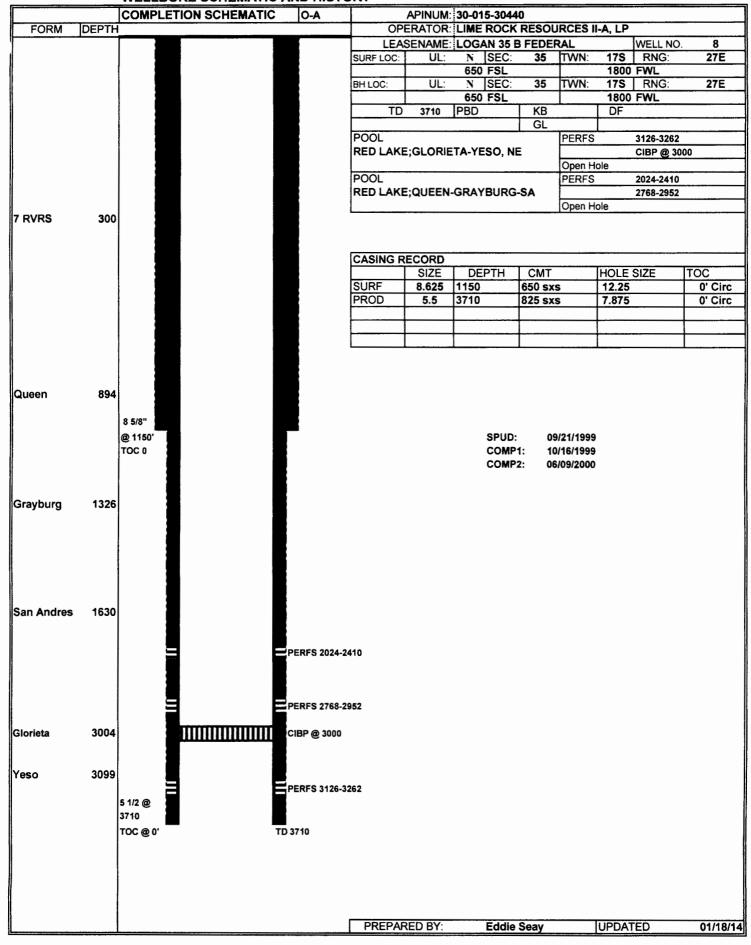


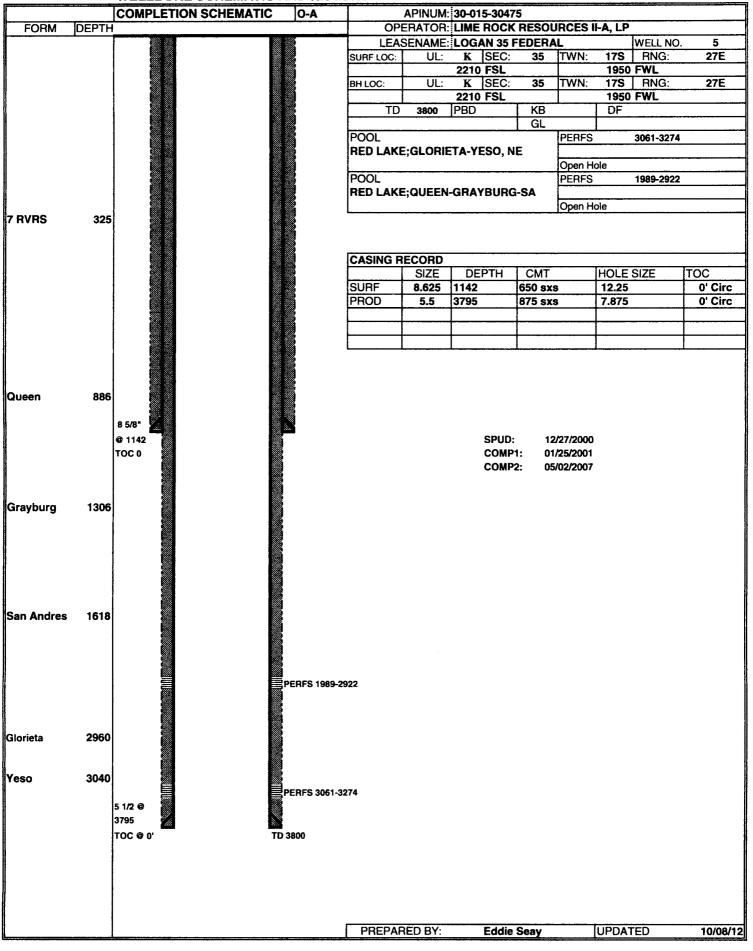


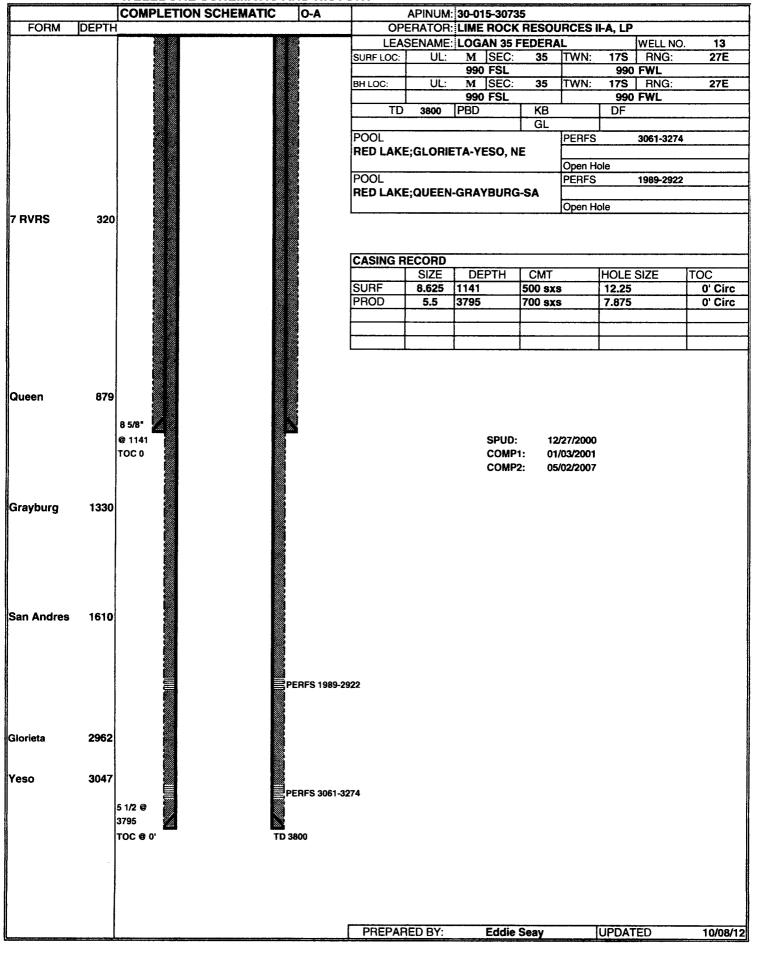


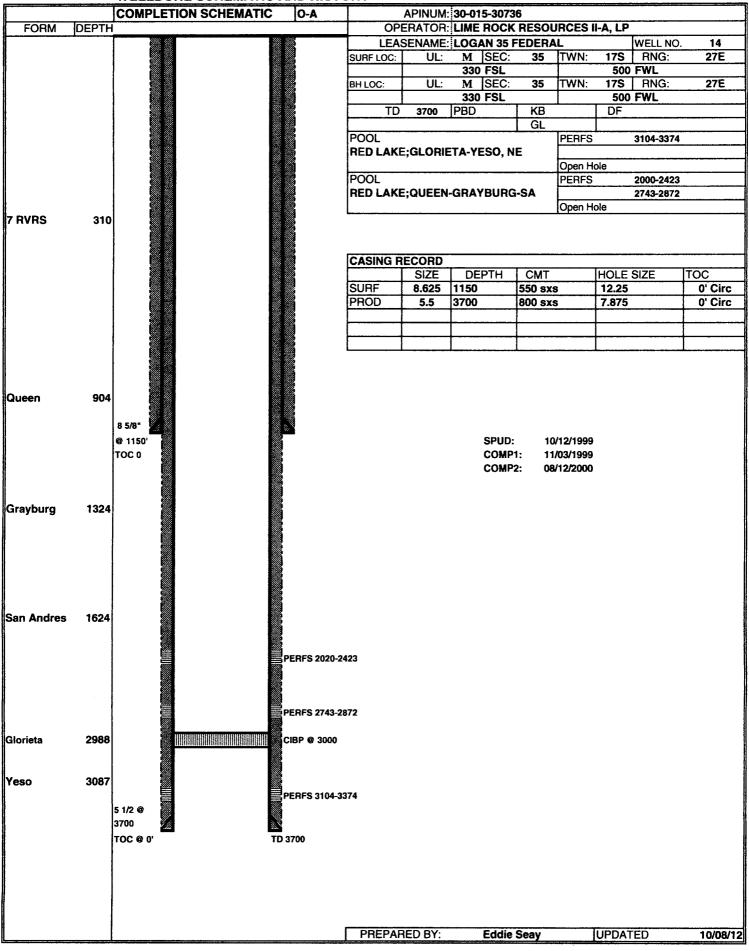


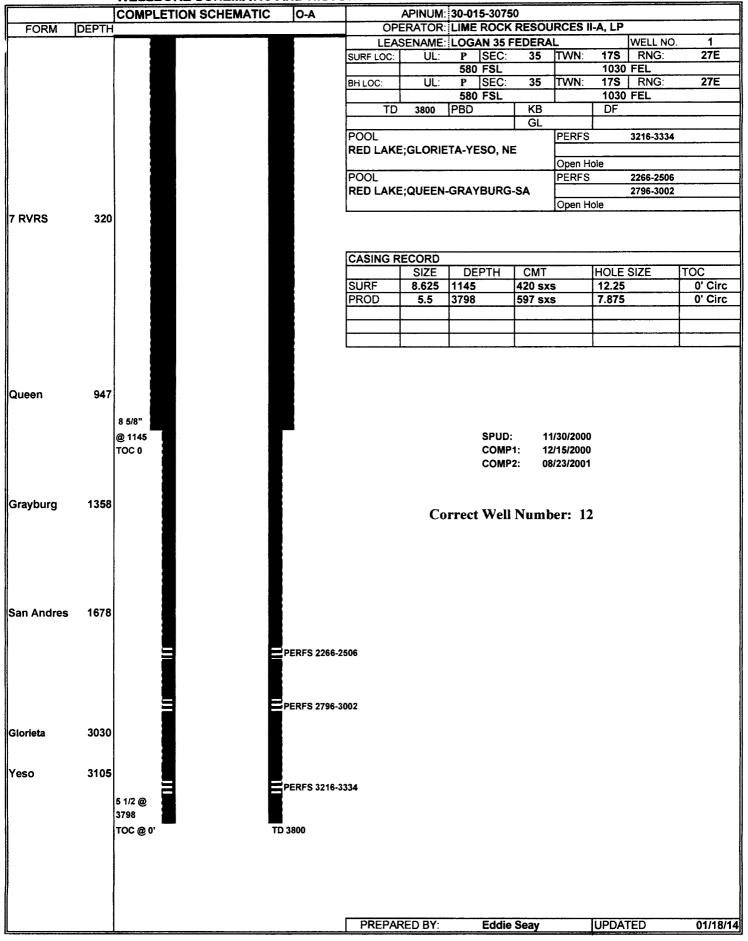


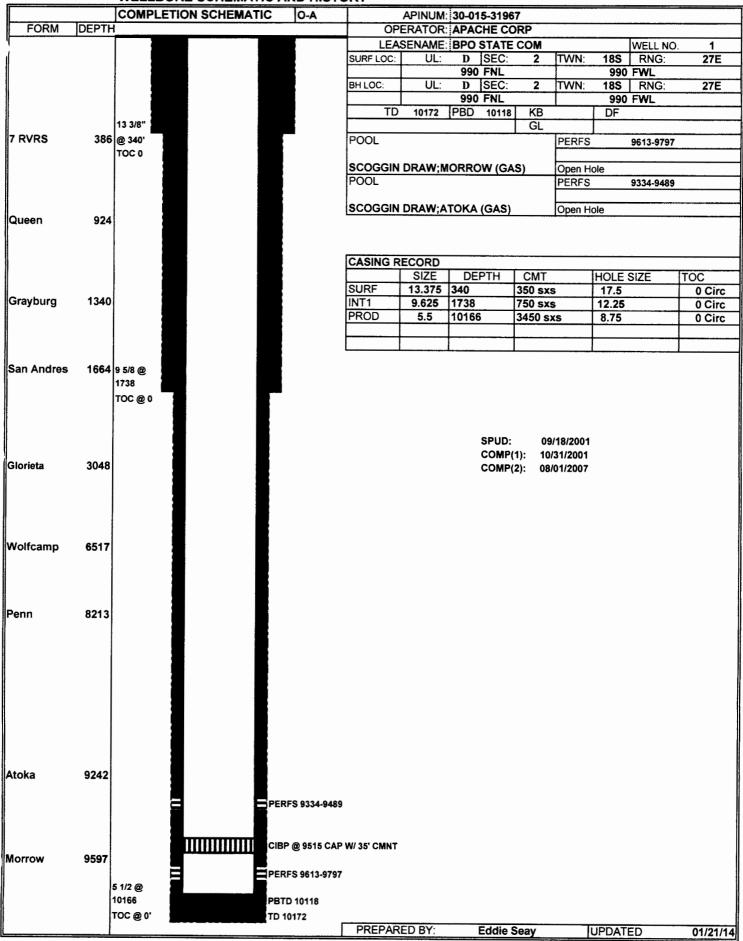


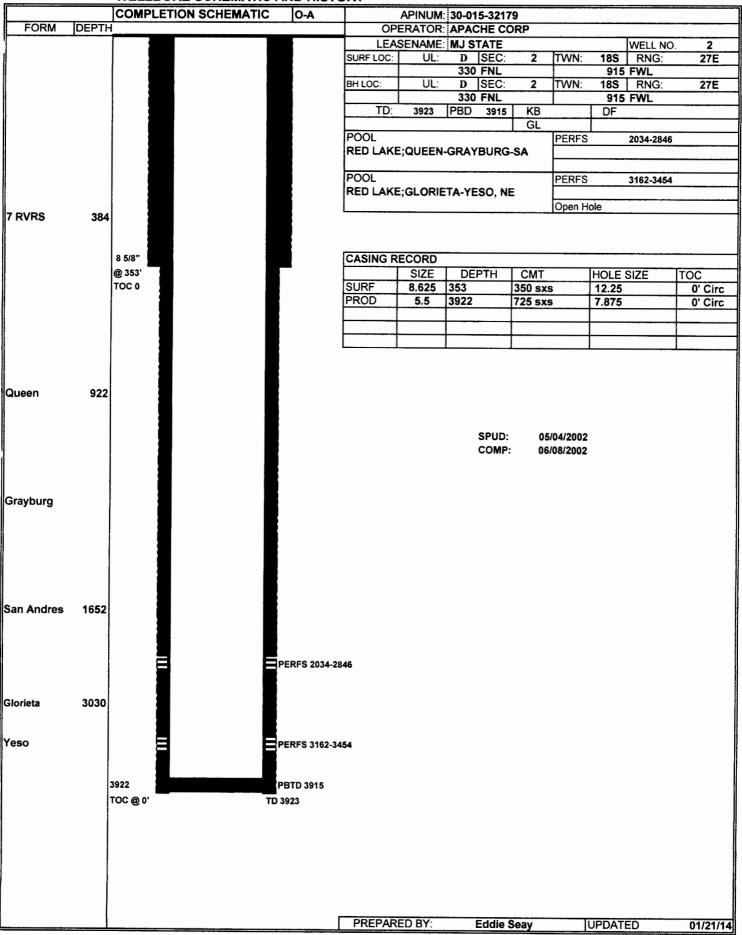


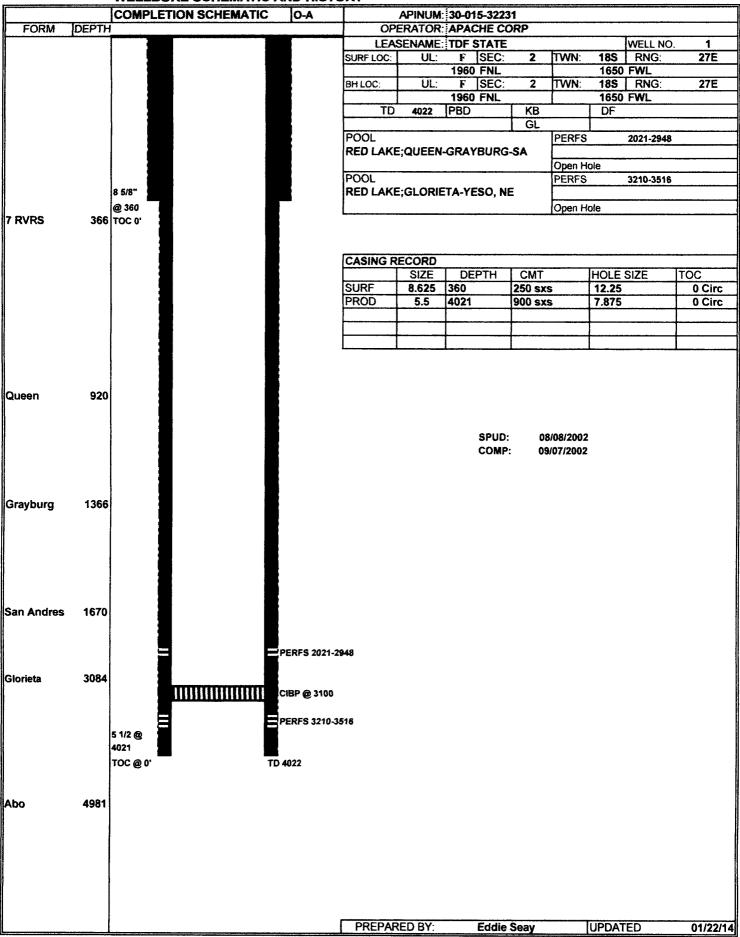


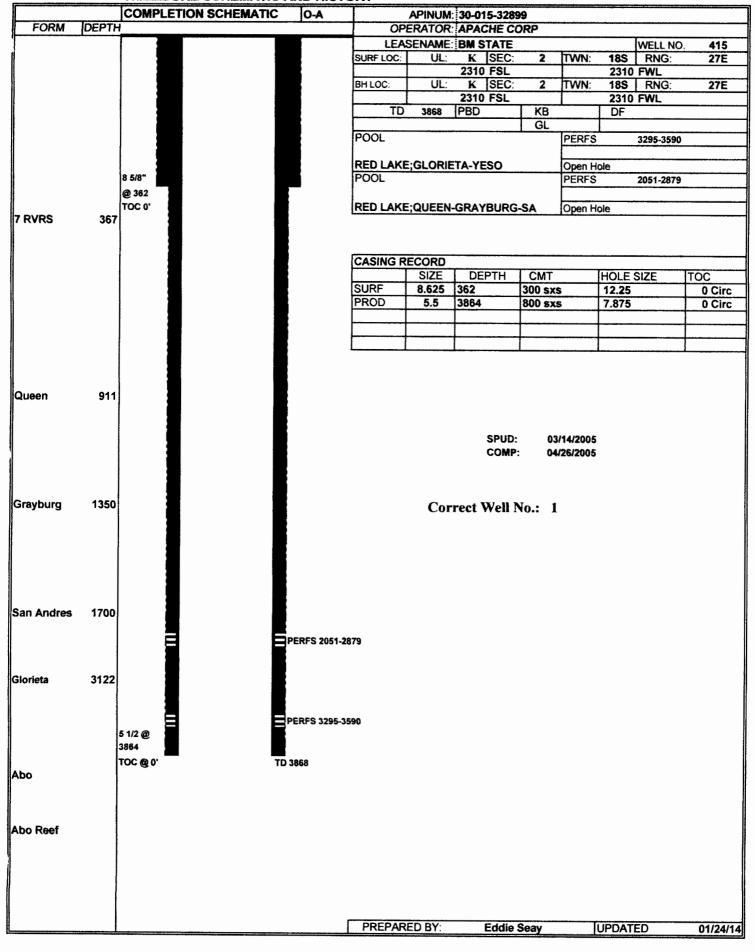


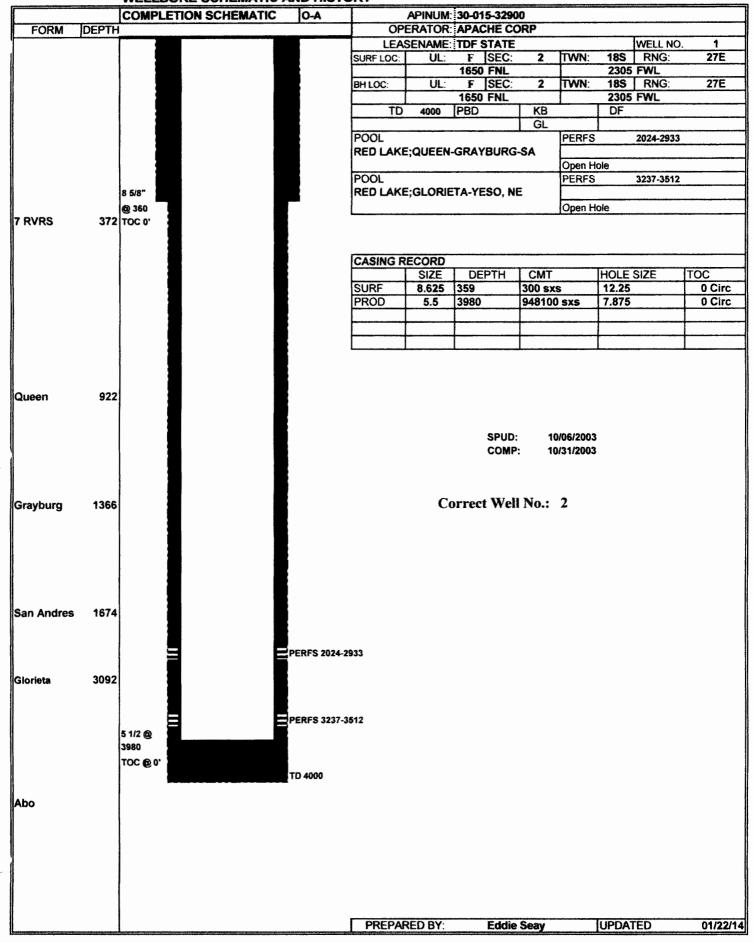


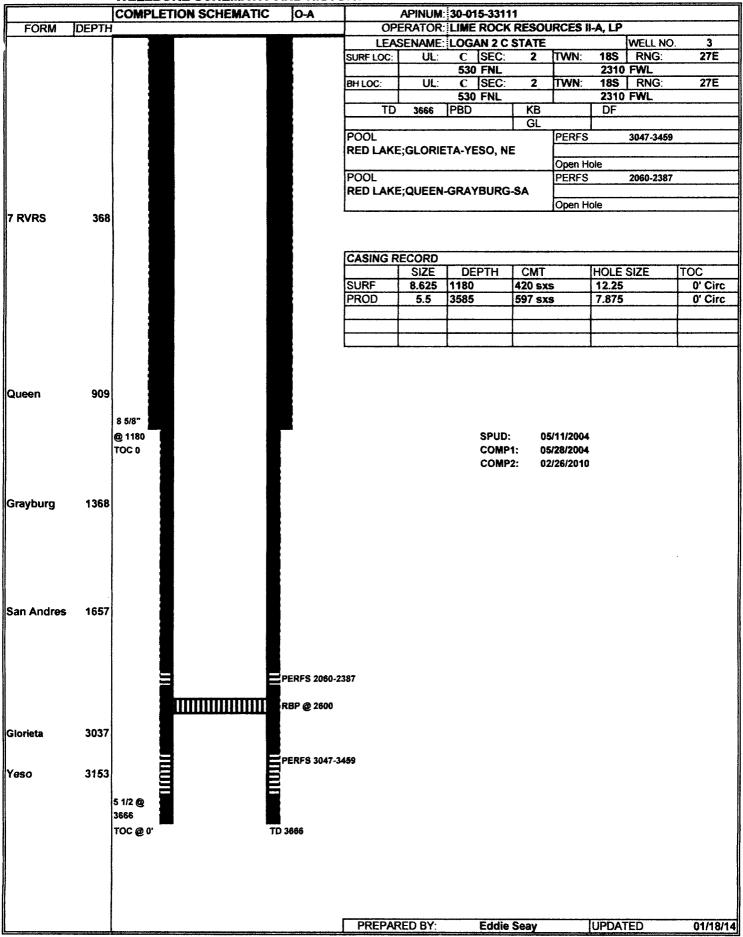


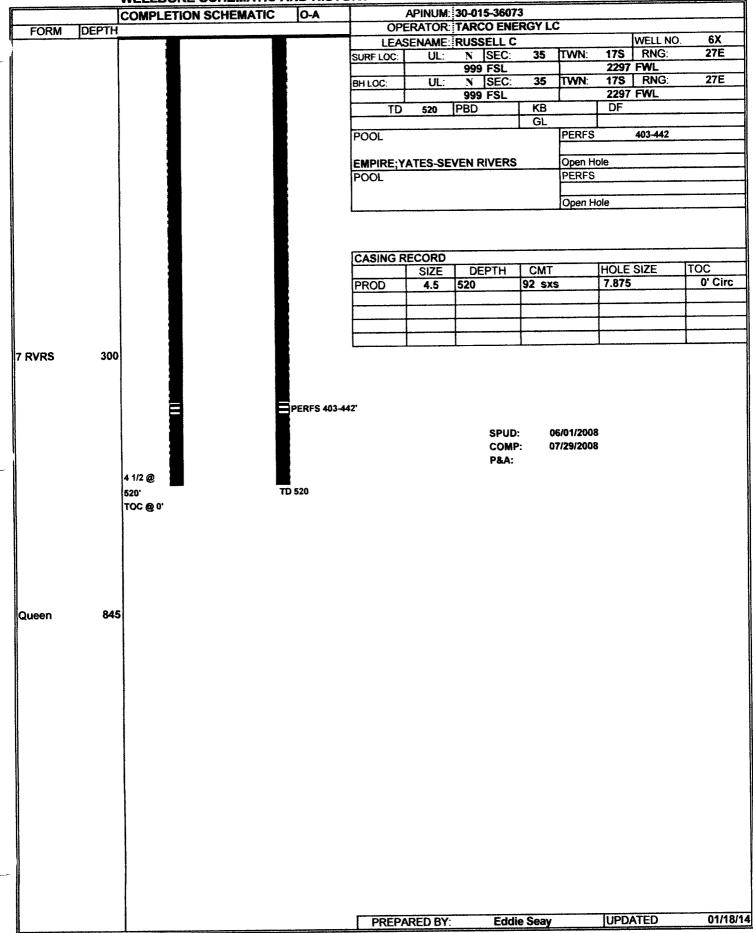


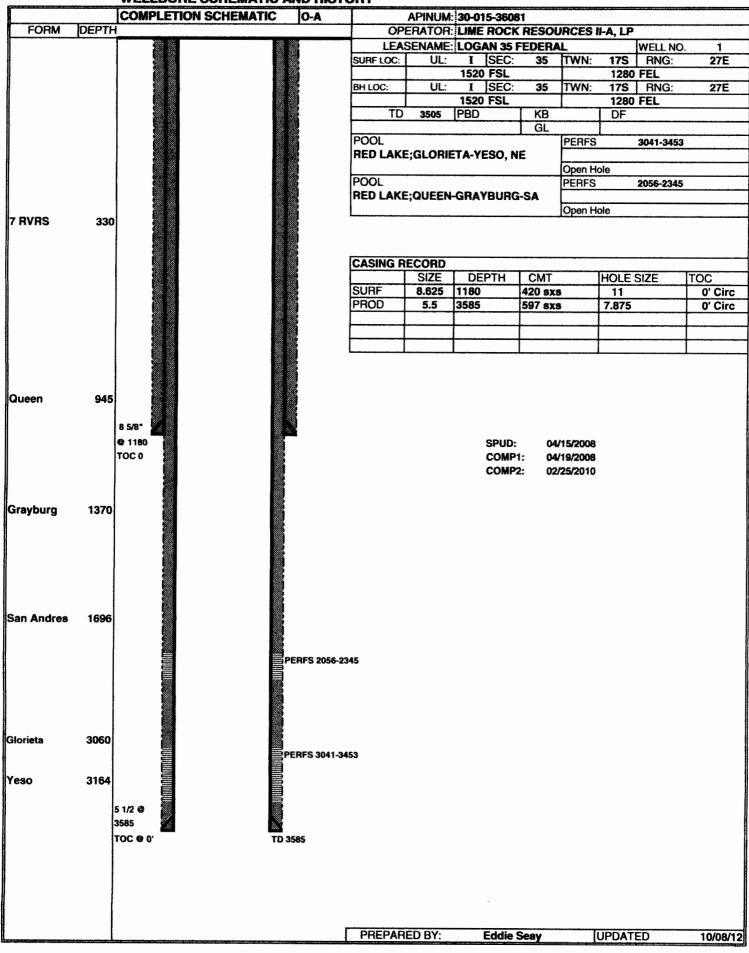




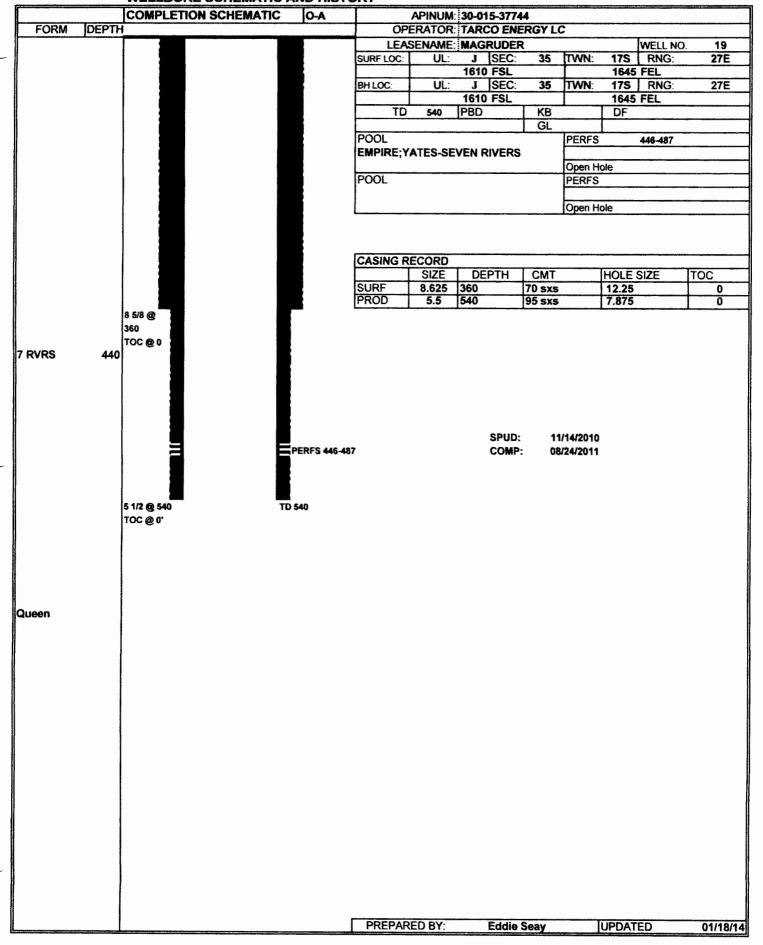


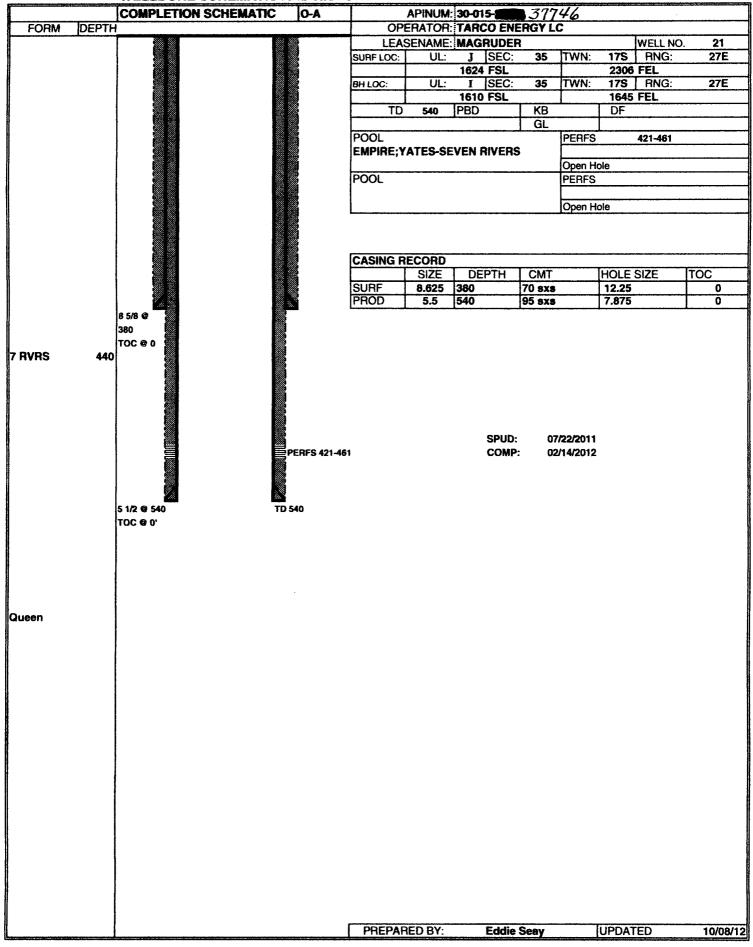


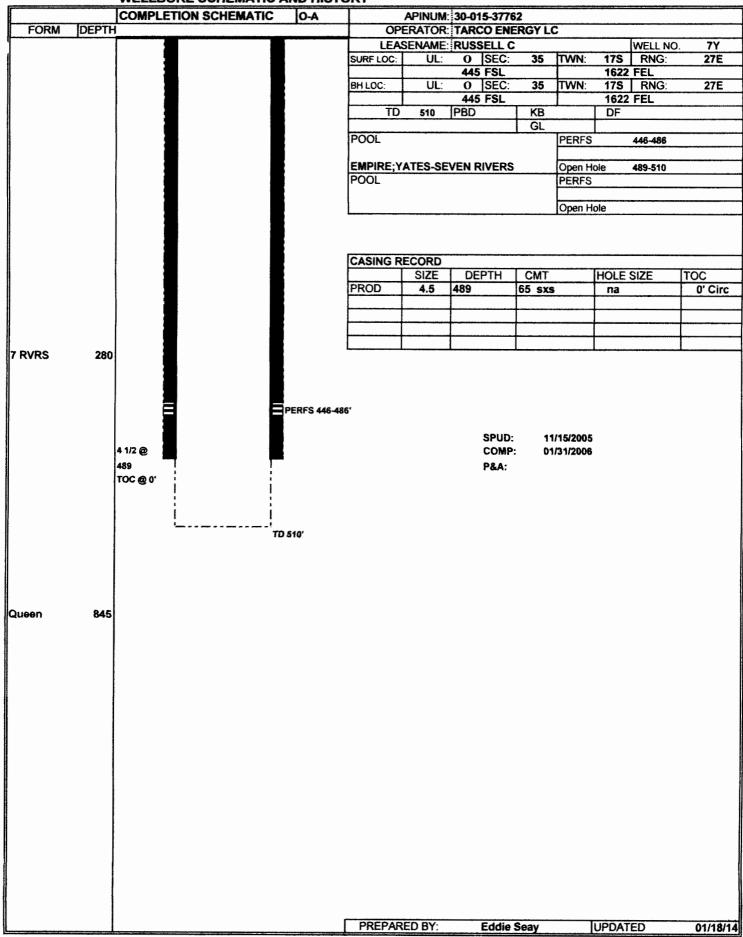


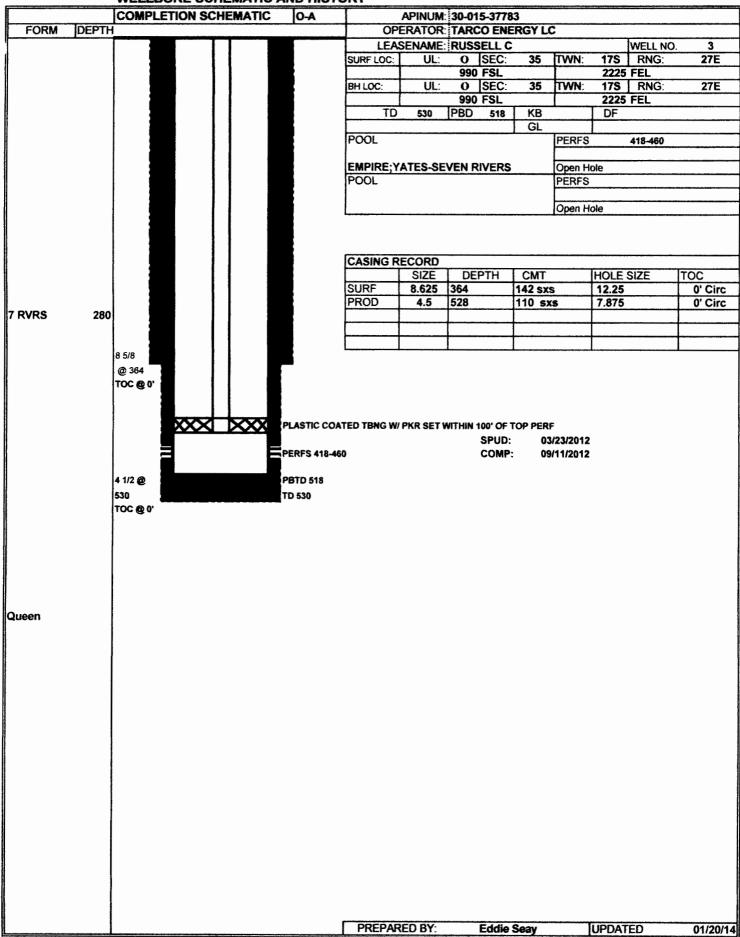


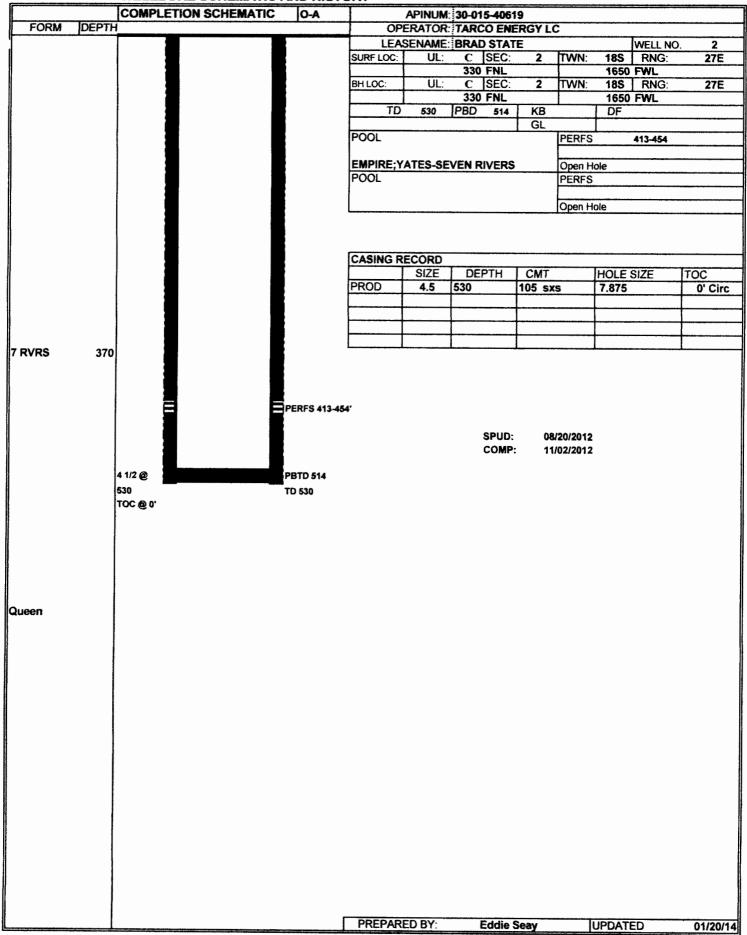
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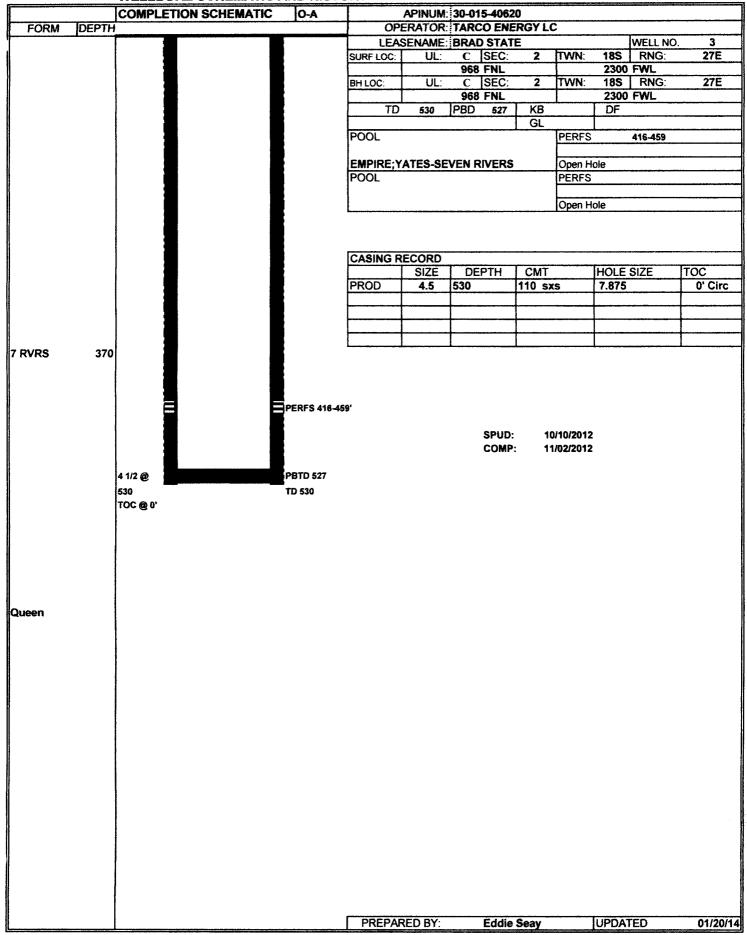


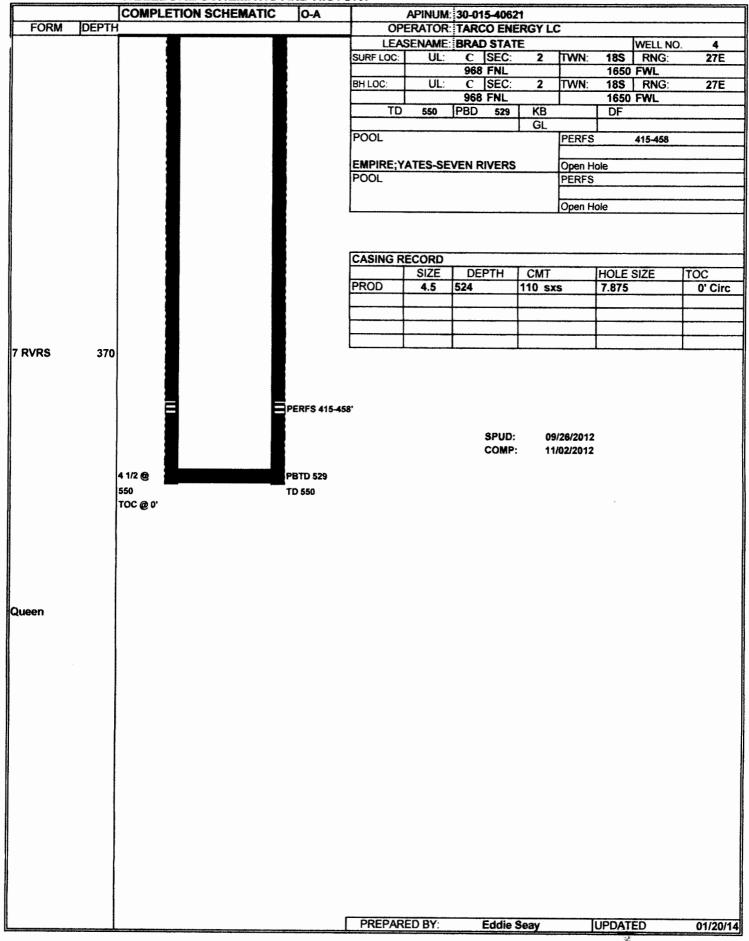


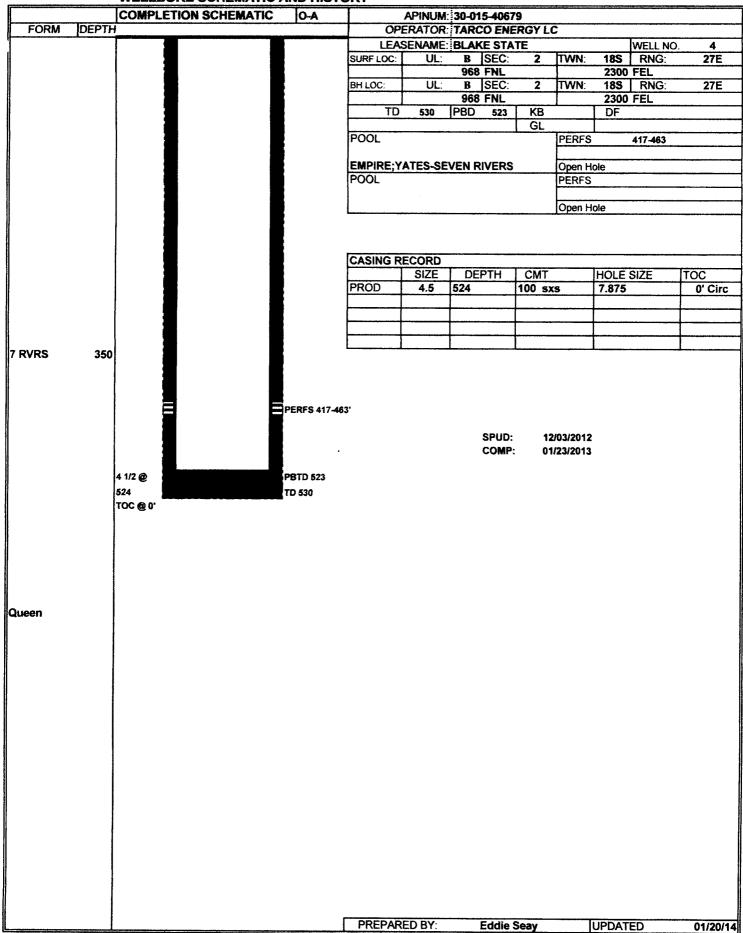


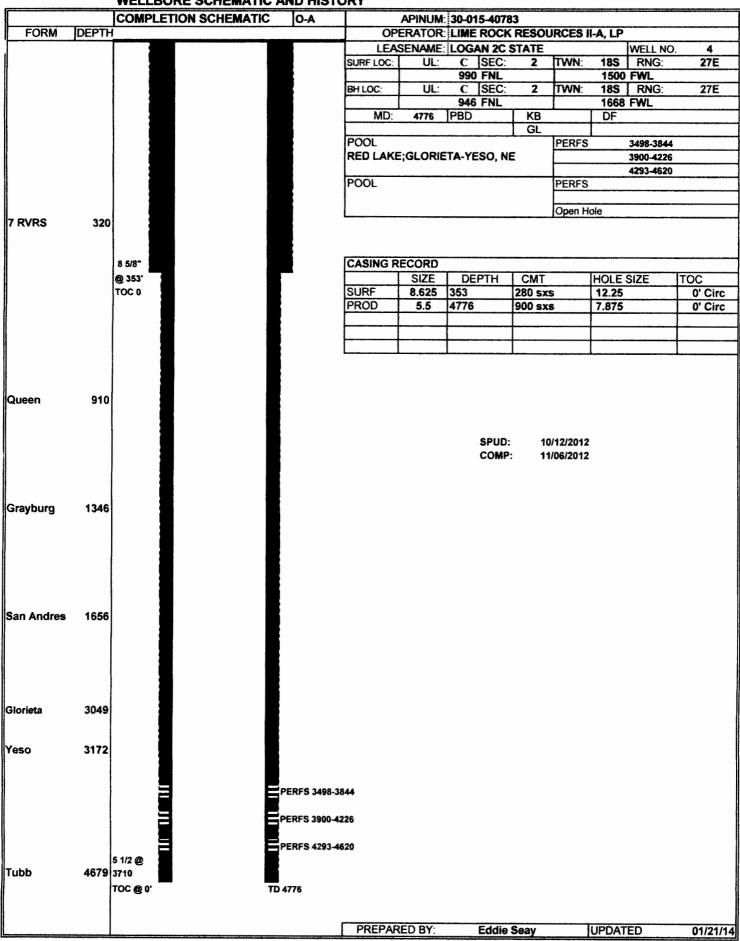


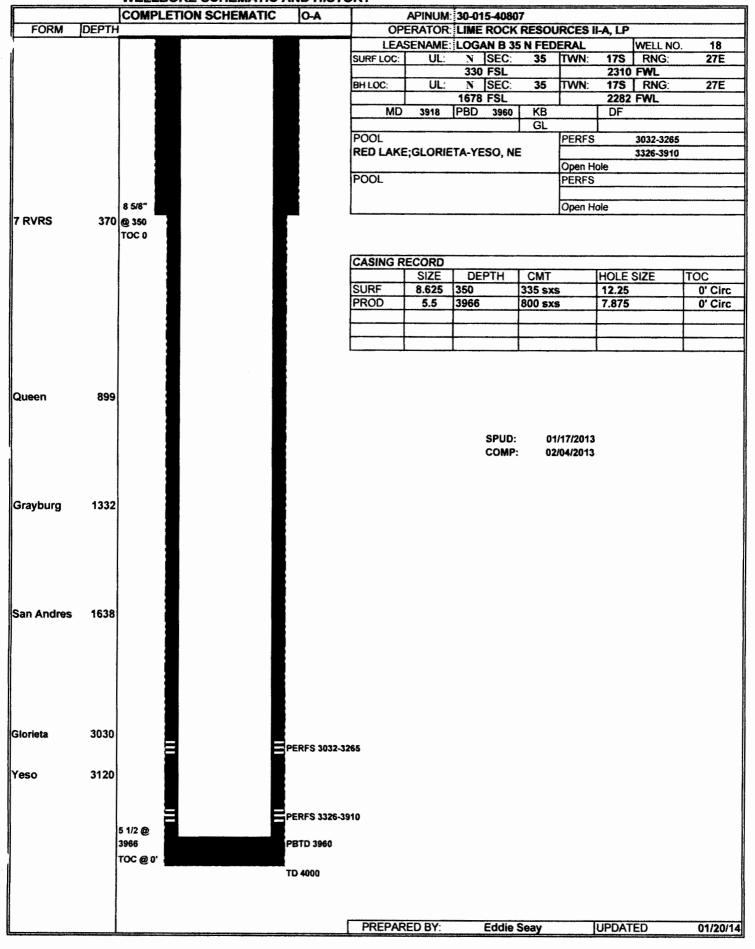


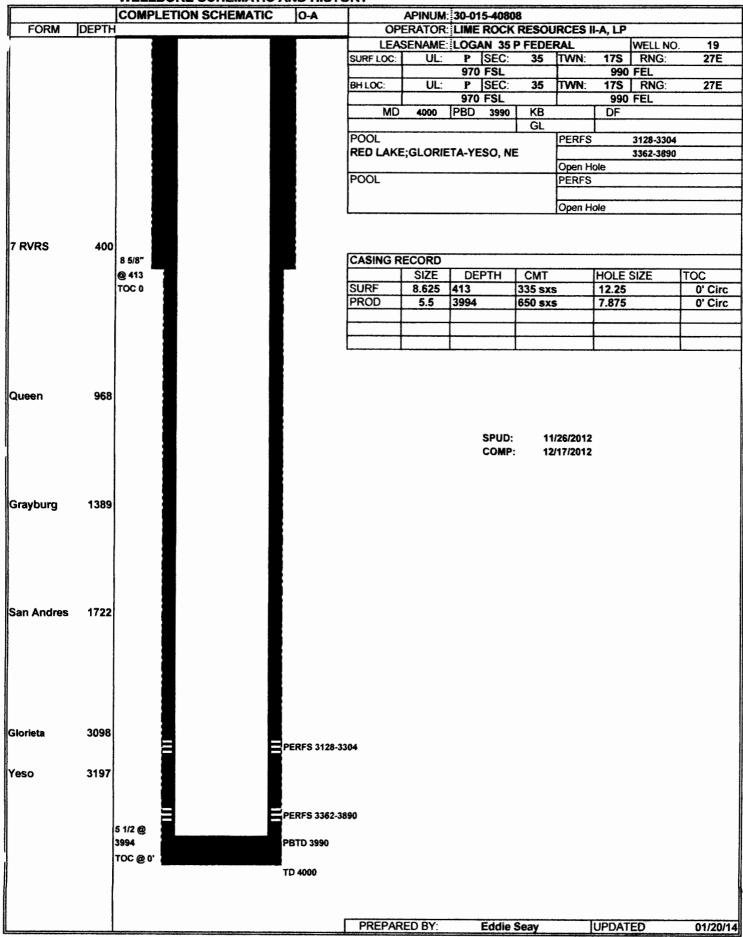


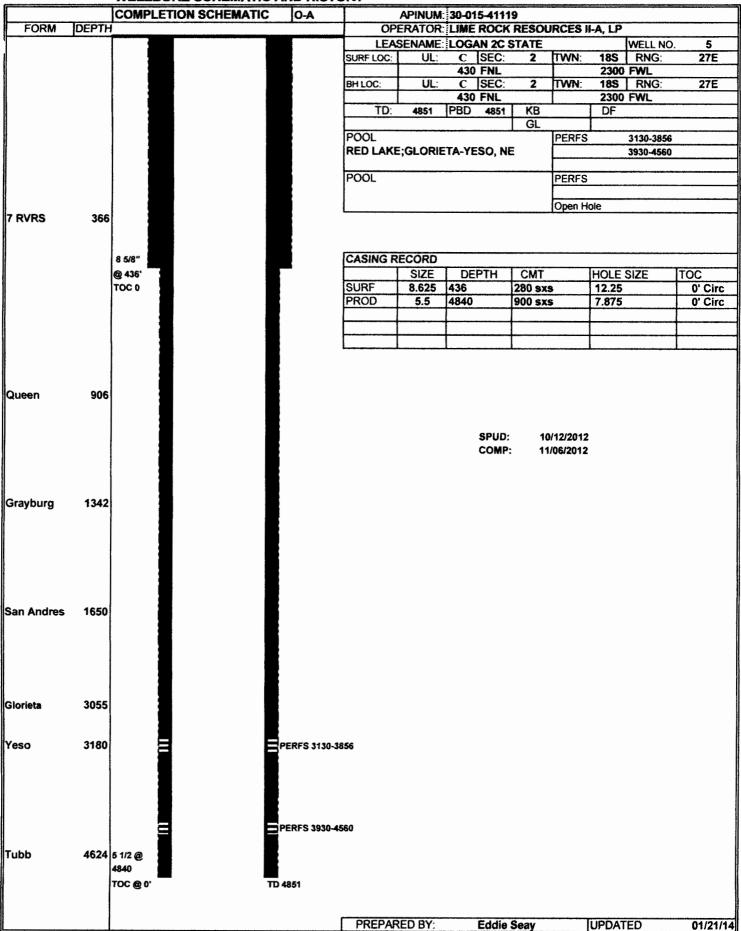


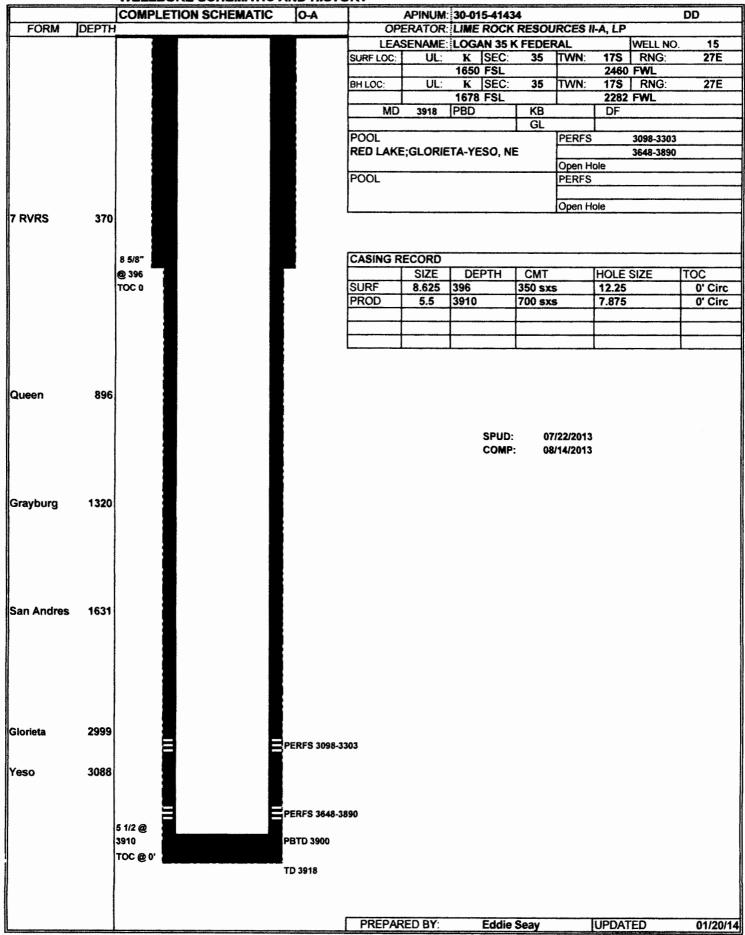












Tarco Energy, LC PMX Application: Brad State No. 1

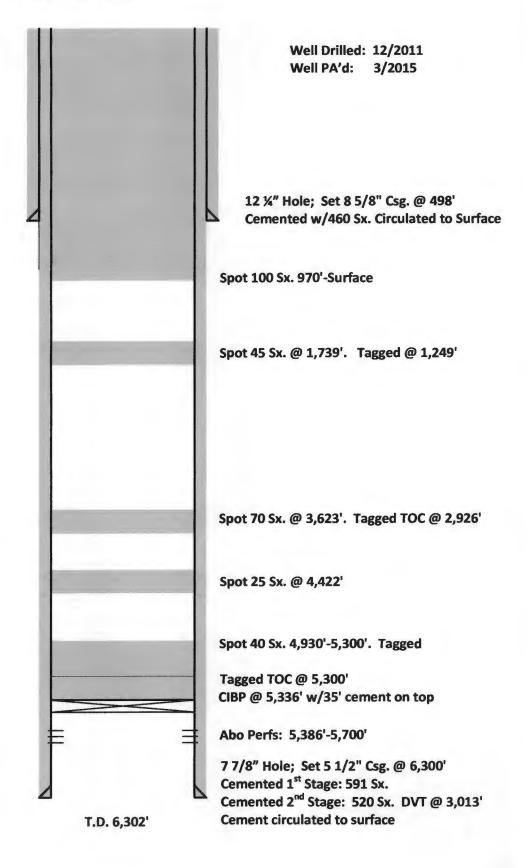
Supplemental Area of Review Well Data Not Previously Submitted (PA Schematics Included)

TARCO ENERGY, LC

FORM C-108: BRAD STATE NO. 1

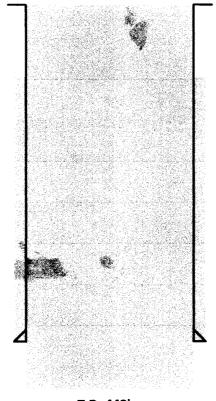
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NUMBER	OPERATOR	LEASE NAME	NO.	TYPE	STATUS	FTG.	N/S FTG	V EW	UNIT	SEC. 1	8HP RNG	DRILLE	TOTAL DEPTH	HOLE	CSG.	SET AT	SX. CMT.	CMT. TOP	MTD.	HOLE	CBG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS
0-015-00729	Apache Corporation	Empire Abo Unit "!"	13	Oil	Active	990'	N 650	y w	D	2	18S 27E	Sep-59	5,695'	11"	8 5/8⁴	1,480	900	Surface	Circ.	7 7/8"	4 1/2"	5,695	750	975	T.S.	5,508'-5,654'	Abo Completion
0-015-00733	Apache Corporation	Empire Abo Unit "J"	13	Oil	Active	1980'	N 660) W	E	2	18S 27E	Nov-68	6,131	12 1/4"	8 5/8"	1006'	875	Surface	Circ.	7 7/8"	5 1/2"	6,131	*225	5,050/Surface	Circ	5,382'-5,784' Abo Completion	*5 1/2" Squeezed with 475 Sx. @ 5,020" & 525 Sx. @ 2,300". Cmt Circ. to surface.
-015-00759	Amtex Energy, Inc.	Maico	. 1	Oil	PA	330'	N 330	PΕ	Α	3	18S 27E	Oct-53	442'	6 1/2"	5 1/2"	427	15	125	Calc.							427'-442' Open Hole	SR Completion. See Attached Schematic
015-32071	Apache Corporation	MJ State	1	Oil	Active	330'	N 330	y W	D	2	18S 27E	Nov-01	3,875	12 1/4"	8 5/8"	370'	350	Surface	Circ.	7 7/8"	5 1/2"	3,859	685	1000	Well File	1969'-2899'; 3,137'-3,670'	Glor-Yeso; Qn-GB-SA Commingle
-015-32218	Apache Corporation	SB State	1	Oil	Active	1650	N 330	y W	Ε	2	18S 27E	May-02	3,912	12 1/4"	8 5/8"	354'	350	Surface	Circ.	7 7/8"	5 1/2"	3,912	800	Surface	Circ.	1,943'-2,925'; 3,141'-3,437'	Glor-Yesc; Qn-Gb-SA Commingle
-015-39009	Apache Corporation	Empire Abo Unit	415	Gas	PA	1650'	N 243	0' E	G	2	18S 27E	Dec-11	6,300	12 1/4"	8 5/8"	498'	460	Surface	Circ.	7 7/8"	5 1/2"	8,300	1275	Surface	Circ.	5,386'-5,700'	Abo Completion. See Attached Schematic
-015-40806	Lime Rock Resources II-A, LP	Logan 35 M Federal	16	Oil	Active	990'	S 370	' W	М	35	17S 27E	Jan-13	3,900	12 1/4"	8 5/8"	348'	335	Surface	Circ.	7 7/8"	5 1/2"	3,897	675	Surface	Circ.	2,975'-3,880'	Glor-Yeso Completion
-015-41435	Lime Rock Resources II-A, LP	Logan 35 O Federal	10	Oil	Active	720'	S 177	0' E	0	35	17S 27E	Apr-14	3,600	12 1/4"	8 5/8"	354'	325	Surface	Circ.	7 7/8"	5 1/2"	3,580	625	Surface	Circ.	3,272'-3,534'	Glor-Yesc Completion
-015-41441	Lime Rock Resources II-A, LP	Eagle 35 L Federal	23	Oil	Active	1860	S 990) W	L	35	17S 27E	Feb-14	4,917	12 1/4"	8 5/8"	353'	325	Surface	Circ.	7 7/8"	5 1/2"	4,910	965	Surface	Circ.	3,044'-4,818'	Glor-Yesc Completion
-015-41980	Apache Corporation	MJ State	3	Oil	Active	1160	N 330) W	D	2	18S 27E	Mar-14	4,012'	11"	8 5/8"	330	300	Surface	Circ.	7 7/8"	5 1/2"	4,012'	750	Surface	Circ.	3,058'-3,853'	Glor-Yeso Completion
-015-41961	Apache Corporation	MJ State	4	OII	Active	1200'	N 114	0' W	D	2	18S 27E	Mar-14	4,001	11"	8 5/8"	331'	325	Surface	Circ.	7 7/8"	5 1/2"	4,001	750	Surface	Circ	3,071'-3,809'	Glor-Yesc Completion
-015-42002	Apache Corporation	SB State	2	Oil	Active	1900'	N 990) W	E	2	18S 27E	Mar-14	4,115'	11"	8 5/8"	330'	325	Surface	Circ.	7 7/8"	5 1/2"	4,115	750	Surface	Circ.	3,076'-3,906'	Gior-Yeso Completion
-015-42247	Lime Rock Resources II-A, LP	Logan 35 J Federal	20	Oil	Active	2110	S 222	5' E	J	35	178 27E	Oct-14	4,537'	12 1/4"	8 5/8"	378'	325	Surface	Circ.	7 7/8"	5 1/2"	4,533'	860	Surface	Circ.	3,164'-4,468'	Gior-Yeso Completion
-015-43066	Lime Rock Resources II-A, LP						1					1	1	1	1								520	Surface	Circ.	Proposed Completion	Gior-Yeso
	Lime Rock Resources II-A, LP											T								1			825	Surface	Circ.	Proposed Completion	Gior-Yeso
-015-43728	Lime Rock Resources II-A, LP	Logan 35 M Federal	21	Oil	DYN	240'	S 985	5' W	М	35	17S 27E	NYD	5,208	12 1/4"	8 5/8"	350'	300	Surface	Circ.	7 7/8"	5 1/2"	5,207'	1000	Surface	Circ.	Proposed Completion	Gior-Yeso
J-015-44784	Lime Rack Resources II-A, LP	Logan 35 P Federal	23	Oil	New	190	S 480) E	P	35	175 275	NYD	4 029	11"	8 5/8"	350'	350	Burface	Circ	7 7/8"	5 1/2"	4,029'	800	Surface	Circ.	Proposed Completion	Glor-Yeso

Apache Corporation Empire Abo Unit No. 415 (API No. 30-015-39009) 1650' FNL & 2430' FEL (Unit G) Section 2, T-18S, R-27E, NMPM, Eddy County, NM



Submit 1 Copy To Appropriate District	State of New I	Mexico	Form C-103
Office <u>District I</u> ~ (575) 393-6161	Energy, Minerals and Na	atural Resources	Revised August 1, 2011
1625 N. French Dr., Hobbs, NM 88240			WELL API NO. 30-015-39009
<u>District II</u> – (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION	ON DIVISION	5. Indicate Type of Lease
District III - (505) 334-6178	1220 South St. F	rancis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> (505) 476-3460	Santa Fe, NM	87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM			B0-6869-0050
87505 SUNDRY NOTI	CES AND REPORTS ON WEL	LS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOS			
DIFFERENT RESERVOIR. USE "APPLK	CATION FOR PERMIT" (FORM C-101)) FOR SUCH	Empire Abo Unit
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well Other	HOBBS OCD	8. Well Number 415
2. Name of Operator		2015	9. OGRID Number
Apache Corporation		MAR 30 2015	873
3. Address of Operator			10. Pool name or Wildcat
303 Veterans Airpark Lane, Ste	. 3000, Midland, TX 79705	RECEIVED	Empire; Abo (22040)
4. Well Location G	1650 N	243	o E
Unit Letter:	1650 feet from the N	line and	feet from theline
Section 2	Township 18S	Range 27E	NMPM County Eddy
	11. Elevation (Show whether L	DR, RKB, RT, GR, etc.)	
	3565' GR		
12. Check A	Appropriate Box to Indicate	Nature of Notice,	Report or Other Data
NOTICE OF IN	TENTION TO	t our	OF OUT DEPORT OF
NOTICE OF IN	PLUG AND ABANDON	REMEDIAL WOR	SEQUENT REPORT OF: K
PERFORM REMEDIAL WORK [] TEMPORARILY ABANDON []	CHANGE PLANS	COMMENCE DRI	
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT	
DOWNHOLE COMMINGLE	MIOETIFEE COMP.E.	CACHACACEMEIA	1305
DOWN IOLE COMMINGEL			
OTHER:		OTHER:	
			d give pertinent dates, including estimated date
• • • • • • • • • • • • • • • • • • • •	•	IAC. For Multiple Cor	npletions: Attach wellbore diagram of
proposed completion or rec	-		
1. 3/18/15 - Notify OCD of MIRU. RIH w/2-3/8 tbg to 25	¥4		
2. 3/19/15 - RtH tag TOC @ 5300' pressure test casing	to 1000 psi ok, Circ well w/120 bbls MLF. Spot 4	0 x class "c" cmt @ 5300' WOC 4	hrs. Rith tag TOC @ 4930' PUH to 4422' spoi 25 x class "c" cmt
PUH to 3623' spot 70 x class "c" cmt			
3. 3/20/15 - RiH lag TOC @ 2926' PUH to 1739' spot 4 tocation, P&A completed.	5 x class "c" cmt WOC 4 hrs. RtH tag TOC @ 124	49' PUH to 970' spot 100 x class "c	omt to surf. RD P&A equip, cut anchors, wellhead and cleaned
formation. TV3+ITTE	d dry hole mun		
		ſ	Approved for plugging of well hore only.
			Liability under hond is retained pending receipt
	5 hand Sinsper	iven ti	of C-103 (Subsequent Report of Well Plugging) which may be found at OCD Web Page under
	Substant Subsection		Forms, www.emnrd.state.nm.us/ocd.
	A = \(\)		
	(-10.3	L	
	C-103		
Spud Date:	C- /03		
Spud Date:			
	Rig Release	Date:	
Spud Date:	Rig Release	Date:	e and belief.
	Rig Release	Date:	e and belief.
I hereby certify that the information	Rig Release	Date:	
	Rig Release	Date:	e and belief. DATE 03/20/2015
I hereby certify that the information	Rig Release above is true and complete to the	Date:	DATE 03/20/2015
I hereby certify that the information SIGNATURE	Rig Release above is true and complete to the	Date: best of my knowledge Agent	DATE 03/20/2015
I hereby certify that the information SIGNATURE Type or print name Jimmy Bagley For State Use Only	Rig Release above is true and complete to the	Date: best of my knowledge Agent	DATE 03/20/2015 yahoo.com PHONE: 432-561-8600
I hereby certify that the information SIGNATURE Type or print name For State Use Only APPROVED BY:	Rig Release above is true and complete to the	Date: best of my knowledge Agent	DATE 03/20/2015
I hereby certify that the information SIGNATURE Type or print name Jimmy Bagley For State Use Only	Rig Release above is true and complete to the TITLE E-mail addr TITLE	Date: best of my knowledge Agent ress: sunsetwellservice@	DATE 03/20/2015 yahoo.com PHONE: 432-561-8600 DATE Y/27/15

Amtex Energy, Inc.
Malco "A" No. 1 (API No. 30-015-00759)
330' FNL & 330' FEL (Unit A)
Section 3, T-18S, R-27E, NMPM, Eddy County, NM



Well Drilled: 10/1953 Well PA'd: 9/2003

TOC @ 302' by Calc.

9/16/2003: Filled hole from T.D. to Surface w/ 2.7 Cubic Yards of Cement

6 ½" Hole; Set 5 ½" 17# Csg. @ 427' Cemented w/15 Sx. TOC @ 302' by Calc.

7 Rivers Open-Hole Completion 427'-442'

T.D. 442'

Oil Cons. N.M. DIV-Dist. 2 1301 W. Grand Avenue

FORM APPROVED

Form 3100-5 (September 2001)	UNITED STATES DEPARTMENT OF THE IN		d, 19101 002 11		OMB No. 1004-0135 spires January 31, 2004	
	BUREAU OF LAND MANAG			5. Lease Seri		
SUNDR	RY NOTICES AND REPOR			LC 065	5478-B	
Do not use ti	his form for proposals to (ell. Use Form 3160-3 (APD)	irill or to re-enter	an Is.	6. If Indian,	Allottee or Tribe Name	
SUBBITINT	ADELO ASSES ON AS ASSESSA			7. If Unit or (CA/Agreement, Name and/or No.	
i. Type of Well		HE	CEIVED	8. Well Name		
Oil Well Cl Gas Well C	_ Other	DEC	2 9 2003	Malco		
2. Name of Operator Amtex Energy, In	c.	000	ADTECHA	9. API Well l	No.	
3a. Address		3b. Phone No. Inches	le thed code?	30-015	5-00759	
	Midland, TX 79702	432/686-1	0847	-1 .	Peel, or Exploratory Area	
4. Location of Well (Footage, Sec	•			11. County or	e Yates S/R Parish State	
330 FNL, 330 FEL				1.		
Sec. 3, T18S, R2	7E			Eddy		
12. CHECK AF	PPROPRIATE BOX(ES) TO	INDICATE NATU	RE OF NOTICE, R	EPORT, OR (OTHER DATA	
TYPE OF SUBMISSION		TY	PE OF ACTION			
	Acidize (Deepen .	Production (Start	/Resume)	Water Shut-Off	
Notice of Intent		Fracture Treat	Reclamation	Ę	Well Integrity	
🔯 Subsequent Report	Caning Repair	New Construction	Recomplete	C	Other	
· ·		Plug and Abandon	Temporarily Aba	andon		
☐ Final Ahandonment Notice	Convert to Injection	- Plug Back	Water Disposal			
testing has been completed. First determined that the site is ready 1. Well records in 2. Total depth (TD) 3. No fresh water is was granted. 4. MIRU Pulling Unit 5. POH and lay down 6. PU 15 joints of 7. RU swab and swah therefore no flu 8. POH and LD 15 jo 9. Pour readymix slapproximately 2. 10. Set dry hole mar 11. Clean and level 12. Remove Tubing and	is 442'. is in the area. April x POH w 16, 3/4" in 14 joints of 2 3/8" Tbg. and tag well dry and wait aid entry. bints of 2 3/8" Tbglowly from TD back area. 75 cu. yds. of center, 9/16/03. location.	oproval to pl 'rods x lay '8" Tbg. In The at 440' In the and prepare	with 15 sack ug well with down rods, 9/ e last swab re e to pour in Well require	mation, have beeks cement Readymix, /8/03. run and have beeks cement	sk 3/8 peagravelo	a,
 I hereby certify that the foregoin Name (Printed/Typed) 		1				
William J. Savag	<u>e</u>	Title P	resident			
Signature William	J. Surge	Date	12/9/03			
	THIS SPACE FO	R FEDERAL OR ST	ATE OFFICE USE			
Approved by (ORIG. SGD	.) ALEXIS C. SWOBODA	THE PARTY PARTY	ROLEUM ENG	INEE Date	DEC 1 7 2003	
Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to c	or equitable title to those right?	ocs not warrant or	lic;			
Title 18 U.S.C. Section 1001 and Tit States any false, fictitious or fraudule	le 43 U.S.C. Section 1812, make it	s crime for any person k any matter within its ju	nowingly and willfully to risdiction.	o make to any do	partment or agency of the United	i

Addendum to Form C-108 Affirmative Statement Tarco Energy, LC Brad State No. 1 Section 2, T-18 South, R-27 East, NMPM, Eddy County, New Mexico

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.

In addition to the Russel C Well No. 3 (30-015-37783) located in Section 35, Township 17 South, Range 27 East, NMPM, Tarco Energy, LC has drilled 13-14 additional wells in this area. These wells are air-drilled, and to date, there has been no evidence during drilling operations that fresh water exists in this area.

Well logs for the Brad State No. 1 were submitted to the Artesia District Office of the Division in late January, 2019.

David Catanach-Agent

Tarco Energy, LC

Date



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

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 1-3

Township: 18S

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.

12/18/18 8:22 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 34-36

Township: 17S

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.

12/18/18 8:23 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

January 15, 2019

<u>CERTIFIED MAIL</u> RETURN RECEIPT REQUESTED

TO: See Attached Notice List

Re: Tarco Energy, LC

Form C-108 (Application for Authorization to Inject)

Brad State No. 1: API No. (30-015-40618)

330' FNL & 2300' FWL, Unit C, Section 2, T-18S, R-27E, NMPM,

Eddy County, New Mexico

Ladies & Gentlemen:

By Order No. R-13680 dated February 14, 2013 the Oil Conservation Division approved the Tarco Energy, LC Russell C Lease Pressure Maintenance Project authorizing injection into the Yates-Seven Rivers formation (Empire Yates-Seven Rivers Pool) within its Russell C Well No. 3 located in Unit O of Section 35, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico.

Tarco Energy, LC ("Tarco") is seeking administrative approval to expand the Russell C Lease Pressure Maintenance Project by adding an additional injection well within the approved project area. Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the Brad State No. 1. You are being provided a copy of the application as an offset operator/leaseholder or as the owner of the surface where the well is located. Tarco proposes to convert the Brad State No. 1 from a producing well to an injection well, injection to occur into the Yates-Seven Rivers formation through the perforated interval from approximately 411 feet to 451 feet.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (806) 787-5138.

Sincerely,

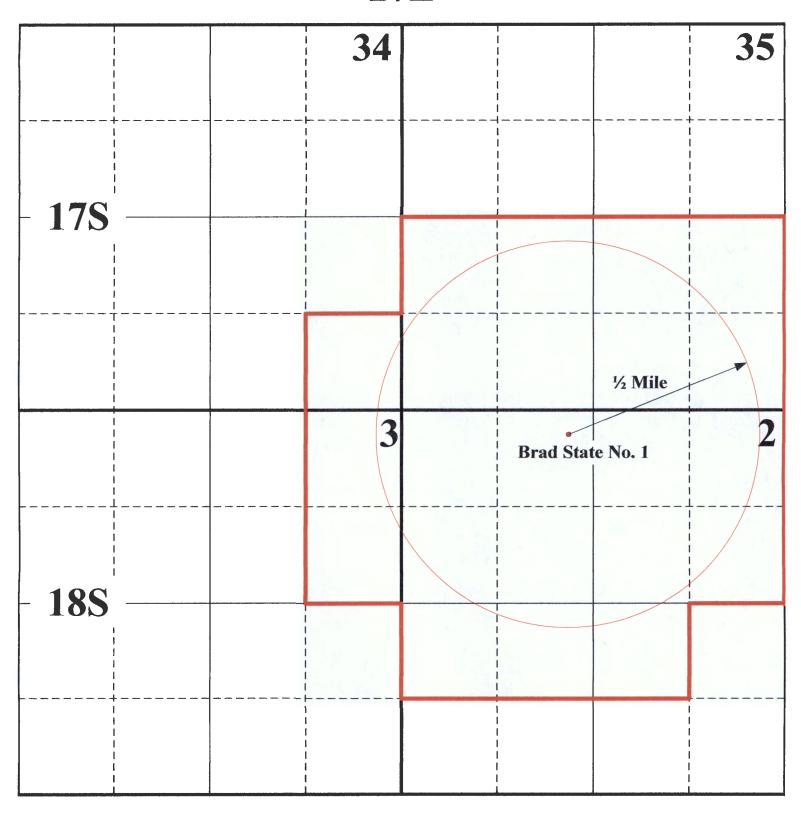
e L. Tarver-President

Tarco Energy, LC 12403 CR 2300

Lubbock, Texas 79423

Enclosure

27E



Tarco Energy, LC
PMX Application: Brad State No. 1
1/2 Mile Notice Area

Notice Area
(See Attached Notice List)

Form C-108: Pressure Maintenance Expansion Russel C Lease Pressure Maintenance Project Brad State No. 1 (API No. 30-015-40618) Section 2, Township 18 South, Range 27 East, NMPM Notice List (Offset Operators)

Operator

Operated Acreage

Section 35-17S-27E: Units I, J, K, L, M, N, O, P

Lime Rock Resources II-A, LP	Section 35-17S-27E:	Units I, J, K, L, M, N, O, P
1111 Bagby Street	Section 2-18S-27E:	Units C & H
Suite 4600	Section 34-17S-27E:	Unit P
Houston, Texas 77002	Section 3-18S-27E:	Units A & H
Remnant Oil Operating, LLC	Section 35-17S-27E:	Units I, K, N, P
P.O. Box 5375	Section 2-18S-27E:	Units A, B, C
Midland, Texas 79704		
Apache Corporation	Section 2-18S-27E:	Units A, C, D, E, F, G, J, K, L
303 Veterans Airpark Lane	Section 3-18S-27E:	Unit H
Suite 1000		
Midland, Texas 79705		
Amtex Energy, Inc.	Section 3-18S-27E:	Unit A
P.O. Box 3418		
Midland, Texas 79702		

Additional Notice

New Mexico State Land Office P.O. Box 1148 Santa Fe, New Mexico 87504

Mewbourne Oil Company

Hobbs, New Mexico 88241

P.O. Box 5270

Oil Conservation Division 811 S. First Street Artesia, New Mexico 88210

Affidavit of Publication

	INU.	27).	,,						
State of New Mexico		A							
County of Eddy:		1							
Danny Scott/ Na	neg X	/Cock							
being duly sworn sayes t	hat he is the	Publishe	r						
of the Artesia Daily Press, a daily newspaper of General									
circulation, published in	circulation, published in English at Artesia, said county								
and state, and that the hereto attached									
Legal Ad									
was published in a regul	lar and entire is	sue of the said							
Artesia Daily Press, a da	ily newspaper o	luly 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/day on	the same							
day as follows:									
First Publication January 6, 2019									
Second Publication	Second Publication								
Third Publication									
Fourth Publication									
Fifth Publication									
Sixth Publication									
Seventh Publication									
Subscribed and sworn be	efore me this								
7th day of	Januar	y 20	19						
	omine PRESCRIPTION NE	N MEXICO <u> 2</u> 0 9							

Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Publication:

Legal Notice

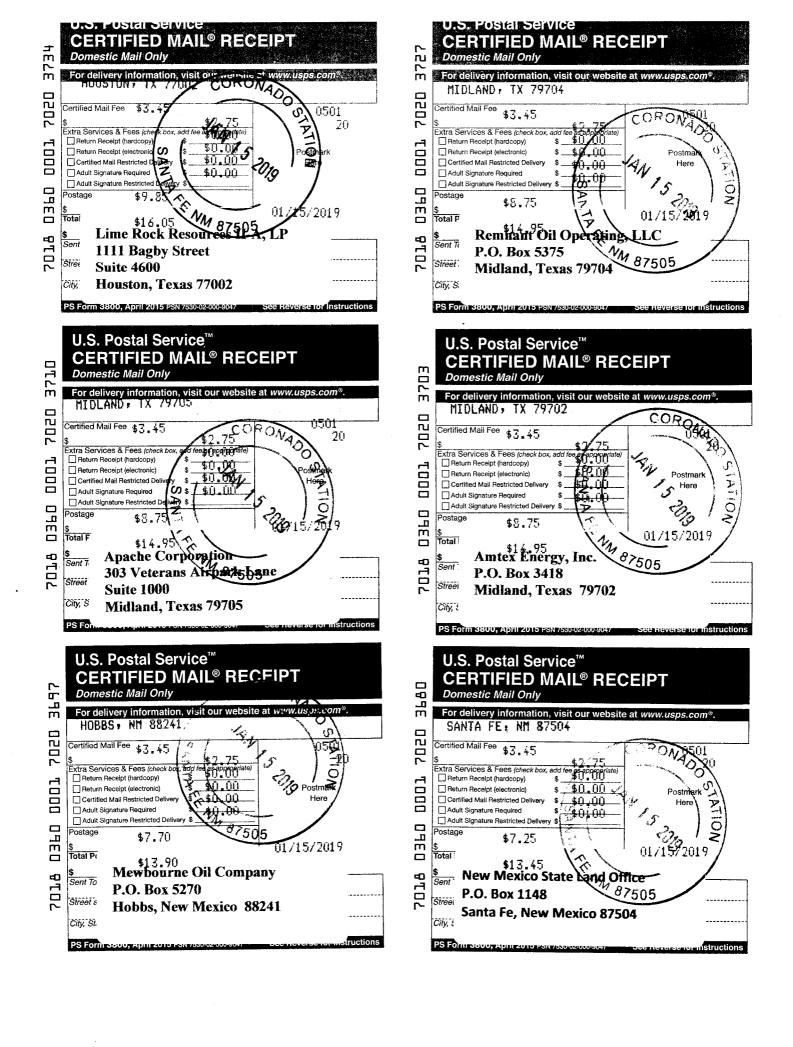
Tarco Energy, LC, 12403 CR 2300, Lubbock, Texas 79423 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division ("Division") seeking administrative approval to expand its Russell C Lease Pressure Maintenance Project by converting its Brad State No. 1 (API No. 30-015-40618) located 330 feet from the North line and 2300 feet from the West line (Unit C) of Section 2, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico from a producing well to an injection well. Injection is to occur into the Yates-Seven Rivers formation (Empire Yates-Seven Rivers Pool) through the perforated interval from approximately 411 feet to 451 feet.

Produced water from the Yates-Seven Rivers formation will be injected into the Brad State No. 1 at average and maximum rates of 100 and 300 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be at or below 82 psi., which is in compliance with Division regulations. The maximum surface injection pressure will be determined by step rate injection test.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Mr. Joe Tarver at (806) 787-5138.

Published in the Artesia Daily Press, Artesia, N.M., Jan. 6, 2019 Legal No. 24959.



C-108 Review	v Checklist: F	Received //// Add. Requ	uest: MA	Reply Date:	Suspended: [Ver 1	5]
ORDER TYPE: WF	X/PMX/9WD NO	umber: Orde	r Date:	Legacy Permi	ts/Orders: <u>R-/36</u> F	
Well No. 4 Well Name(BnAJ	Stete				
API: 30-0 15- 4 06-	Spud Da	te: 8-27-2-01	New or Old:	(UIC Class II	Primacy 03/07/1982)	
Footages 2300FWL	Lot	3 or Unit 6 Sec 2	_ Tsp/	5 Rge 27	Ecounty Eddy	
General Location: 3 fmile	SE/An	tesia Pool: 6	- lunic	the xeso, wo	Pool No.: 96836	
BLM 100K Map: Antesi~	Operator:	1200 ENERY,	OGRID	: <u>275</u> 379 Conta	DAVID	cont
Footages 330FNL Footages 2300FNC General Location: 2 fmile BLM 100K Map: Antesi~ COMPLIANCE RULE 5.9: Total Well	s:	ve: Fincl Assur:	Compl	. Order? IS	5.9 OK? Y Date: 2-1	5-2014
WELL FILE REVIEWED Current						
WELL DIAGRAMS: NEW: Proposed	or RE-ENTER	: Before Conv. O After C	Conv. O	Logs in Imaging:	VIN	-
Planned Rehab Work to Well:			,			
Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)		Cement Sx or Cf	Cement Top and Determinat	ion Method
Planned _or ExistingSurface	- 74 4/ / 4	52 6	Stage Tool	105	Surface	
Planned_or ExistingInterm/Prod	1 ./ 4 -	020	olage reel	100.725	Surrace	
Planned_or Existing _Interm/Prod						
Planned_or Existing Prod/Liner						
Planned_or Existing Liner						
			Inj Length		latian/Onematica Dataile.	
Planned_or Existing _ OH / PERF	411/451		40'		oletion/Operation Details:	
Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops	1	25 PBTD 520	
Adjacent Unit: Litho. Struc. Por.				NEW TD	NEW PBTD	
Confining Unit: Litho. Struc. Por.					or NEW Perfs @	
Proposed Inj Interval TOP:					in. Inter Coated?	
Proposed Inj Interval BOTTOM:				Proposed Packer D	Depth 36t	
Confining Unit: Litho. Struc. Por.				Min. Packer Depth	(100-ft limit) face Press & 2 psi	j
Adjacent Unit: Litho. Struc. Por. AOR: Hydrologic a	nd Geologic In	formation			(0.2 psi per ft)	
			Calt/Ca			
POTASH: R-111-P W/ Noticed? FRESH WATER: Aquifer & Worth	- BLW Sec On	Max Depth	HYDRO	O AFFIRM STATEM	NT By Qualified Person	
NMOSE Basin: DOS ell Antes	CAPITAN REEF:	thru adj NA	No. Wells v	within 1-Mile Radius	? D FW Analysis MA	-
Disposal Fluid: Formation Source(s	s)	Analysis	?	On Lease O Opera	tor Only () or Commercial ()	
Disposal Int: Inject Rate (Avg/Max						
HC Potential: Producing Interval	?Formerly Pr	roducing?Method:	Logs/DST/F	%A/Other	_ 2-Mile Radius Pool Map (F-Perusta
AOR Wells: 1/2-M Radius Map?	Well List?	Total No. Wells P	enetrating I	nterval: <u>§ 7</u>	Horizontals? NAS	Prof a
Penetrating Wells: No. Active Wel	Num Repair	s?on which well(s)?_			Diagrams?	O4 eas
Penetrating Wells: No. P&A Wells	•					No we
NOTICE: Newspaper Date_ - 4					,	245
RULE 26.7(A): Identified Tracts? Order Conditions: Issues:	Affected Per	sons: April Lim	nuc A	untex, manbo	4/1 N. Date 1-15	-24
	nequin	e Applica	Int'	tosubing	+ Lugs ap/	Artesia
Add Order Cond:	-	•				