

10-3-08 DATE IN	SUSPENSE	W Jones ENGINEER	10-3-08 LOGGED IN	SWD TYPE	PRU0827755155 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

*Bevett O'D  
Joel  
B # 46*

2008 OCT 3 PM 1 49  
RECEIVED

- [1] TYPE OF APPLICATION - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR
- [D] Other: Specify \_\_\_\_\_
- [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply
- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached

*Top part  
4732 x 2-946 PSL*

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Eddie W Seay Eddie W Seay Agent 9/22/08  
 Print or Type Name Signature Title Date  
Seay 04 @ leaco.net  
 e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance  Disposal Storage  
Application qualifies for administrative approval?  Yes No
- II. OPERATOR: Burnett Oil Co. Inc.  
ADDRESS: 801 Cherry Street, Suite 1500 Unit #9 Ft. Worth, TX 76102  
CONTACT PARTY: Mark A. Jacoby PHONE: 817-332-5108
- 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: Eddie W. Seay TITLE: Agent  
SIGNATURE: Eddie W. Seay DATE: 9/18/08  
E-MAIL ADDRESS: seay04@leaco.net

\* 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: \_\_\_\_\_

INJECTION WELL DATA SHEET

OPERATOR: Burnett Oil Co. Inc

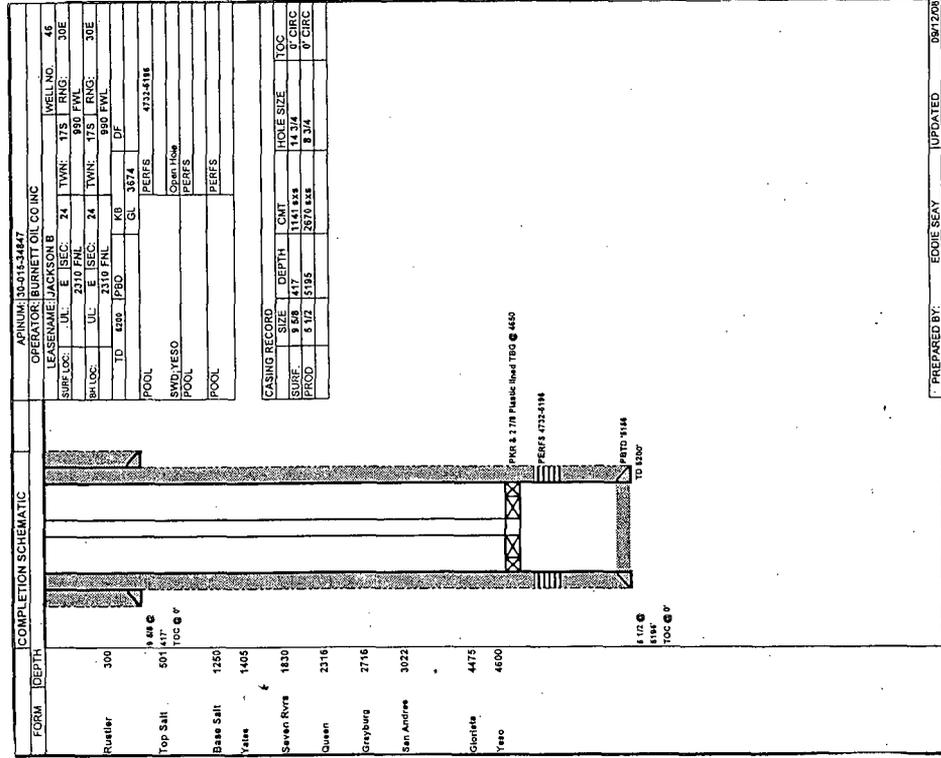
WELL NAME & NUMBER: Jackson B # 416

WELL LOCATION: 2310 N 990/W  
FOOTAGE LOCATION

UNIT LETTER: E

SECTION: 24 TOWNSHIP: 17 RANGE: 30

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA  
Surface Casing

Hole Size: 14 3/4 Casing Size: 9 5/8  
Cemented with: 1141 sx. or ft<sup>3</sup>

Top of Cement: Surface Method Determined: Circulate  
Intermediate Casing

Hole Size: \_\_\_\_\_ Casing Size: \_\_\_\_\_  
Cemented with: \_\_\_\_\_ sx. or ft<sup>3</sup>  
Top of Cement: \_\_\_\_\_ Method Determined: \_\_\_\_\_

Production Casing

Hole Size: 8 3/4 Casing Size: 5 1/2  
Cemented with: 2670 sx. or ft<sup>3</sup>

Top of Cement: Surface Method Determined: Circulate

Total Depth: 5200

Injection Interval

4732 feet to 5196

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8 Lining Material: IPC

Type of Packer: Baker Loc Set

Packer Setting Depth: 4650

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? was drilled as producer

but was non productive.

2. Name of the Injection Formation: Yeso

3. Name of Field or Pool (if applicable): Cedar Lake, Yeso

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:

The Glorietta overlies the Yeso and is located at 4475'

The Abo underlies the Yeso and is found at 6820'

**ATTACHMENT TO APPLICATION C-108**

Burnett Oil Co.  
Jackson B #46  
Unit E, Sect. 24, Tws. 17 S., Rng. 30 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 7/8" IPC.  
4) Baker Loc Set.
- B. 1) Injection formation ~~is~~ the Yeso. 4732  
2) Injection interval 4600' to 5196'.  
3) Well was drilled as a producer.  
4) The next higher producing zone is the Glorietta at approximately 4475'.  
The next lower producing zone is the Abo at approximately 6823'.

**IV. NO.**

**V. MAP ATTACHED.**

**VI. LIST OF WELLS AND DATA ATTACHED.**

**VII.** Burnett proposed to convert a newly drilled well to SWD. Both strings of casing have been set and cement circulated to surface. Plan to selective perforate the 5 1/2" casing from 4732-5196'. Run in hole with 2 7/8" IPC tubing and packer set at 4650'. Put on injection.

- 1) Plan to inject approximately 5,000 bpd of produced water from Burnett's own operation in offset production.
- 2) Closed system.
- 3) Average injection pressure should be approximately 800# to 1000# or whatever limit OCD allows.
- 4) Analysis attached, only produced water.
- 5) Water from offset production from San Andres, Queen and 7 Rivers and Yeso.

**VIII. Yeso Formation.**

This disposal well is located near and in the transitional zone between the shelf environment and the basin environment of the Delaware Basin. The Yeso overlies the Abo formation and disposal well is just shelf-ward of the Abo Reef in the southern half of Section 24. In this area the Yeso is approximately 2200 feet thick. In the disposal well, the Yeso occurs from 4600' to 6800'. In this transitional area, the Yeso is not subdivided into the Paddock, Blinebry, Tubb or Drinkard formations. The Yeso consists predominantly of dolomite with some interbedded limestones and shales. The porosity in the dolomites range from inter-crystalline porosity to some large solution pores.

**IX. ACID AS NEEDED, FRAC IF NECESSARY.**

**X. PREVIOUSLY SUBMITTED TO OCD OR WILL RUN.**

**XI. NO FRESH WATER FOUND OR RECORDED BY STATE ENGINEER OR OCD.**

**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.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No. **WM 2747**

6. If Indian, Allottee or Tribe Name

*SUBMIT IN TRIPLICATE - Other instructions on page 2.*

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

Oil Well  Gas Well  Other **SWD**

8. Well Name and No. **Jackson B #46**

2. Name of Operator **Burnett Oil Co**

9. API Well No. **30.015.34847**

3a. Address **801 Cherry St. Suite 1500  
Ft. Worth Tx 76102**

3b. Phone No. (include area code) **817.332.5108**

10. Field and Pool or Exploratory Area **Cedar Lake Yeso 36306**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2310/N 990/W Unit E Section 24 Twp 17 Rm 30**

11. Country or Parish, State **Eddy**

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Plan to convert the above listed well to a Yeso SWD  
Plan to perforate at 4732 to 5194, selectively  
Plan to set 2 3/8 tubing and pkr at 4650.  
This well will for the disposal of Burnett's produced water.  
A final completion will be sent upon completion and  
OCB approval.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

**Eddie W Seay**

Title **Agent**

Signature

*Eddie W Seay*

Date

**9/18/2008**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# WELLBORE SCHEMATIC AND HISTORY

36306

COMPLETION SCHEMATIC		APINUM: 30-015-34847				
FORM	DEPTH	OPERATOR: BURNETT OIL CO INC				
		LEASENAME: JACKSON B		WELL NO. 46		
		SURF LOC:	UL: E	SEC: 24	TWN: 17S	RNG: 30E
			2310 FNL		990 FWL	
		BH LOC:	UL: E	SEC: 24	TWN: 17S	RNG: 30E
			2310 FNL		990 FWL	
		TD 5200	PBD	KB	DF	
			GL 3674			
		POOL			PERFS 4732-4924	
		CEDAR LAKE; YESO			Open Hole	
		POOL			PERFS	
		POOL			PERFS	
		POOL			PERFS	
		POOL			PERFS	

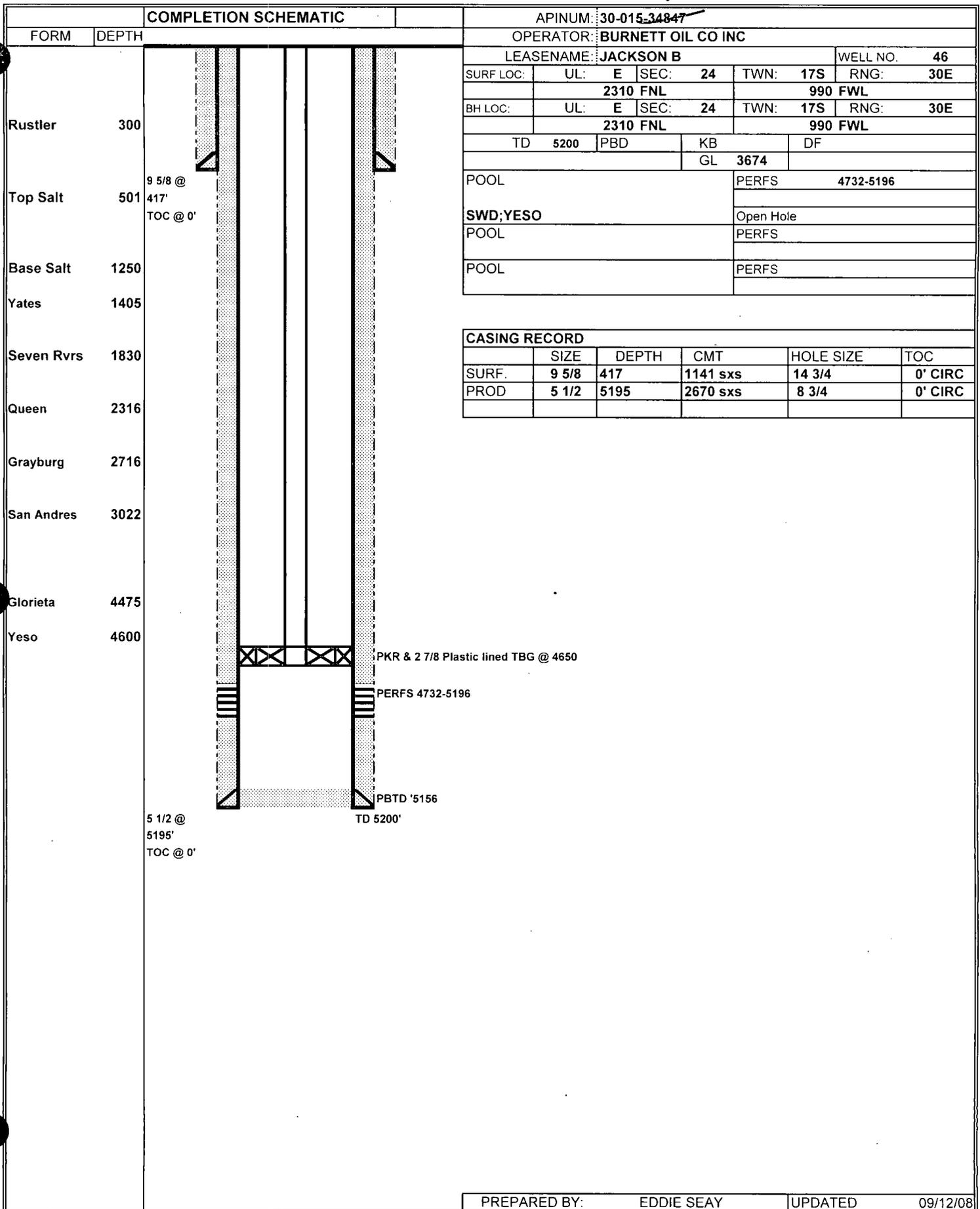
CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	9 5/8	415	1141 sxs	14 3/4	0' CIRC
PROD	5 1/2	5195	2670 sxs	8 3/4	0' CIRC

FORM	DEPTH	SCHEMATIC	
Rustler	300		
Top Salt	501		
Base Salt	1250		
Yates	1405		
Seven Rvrs	1830		
Queen	2316		
Grayburg	2716		
San Andres	3022		
Glorieta	4475		
Yeso	4600		

36306

WELLBORE SCHEMATIC AFTER



COMPLETION SCHEMATIC		APINUM: 30-015-34847			
FORM	DEPTH	OPERATOR: BURNETT OIL CO INC			
		LEASENAME: JACKSON B		WELL NO. 46	
Rustler 300		SURF LOC:	UL: E	SEC: 24	TWN: 17S
		2310 FNL		990 FWL	
Top Salt 501		BH LOC:	UL: E	SEC: 24	TWN: 17S
		2310 FNL		990 FWL	
Base Salt 1250		TD 5200		PBD	KB
Yates 1405				GL 3674	DF
Seven Rvrs 1830		POOL PERFS 4732-5196			
Queen 2316		SWD; YESO			
Grayburg 2716		POOL PERFS			
San Andres 3022		POOL PERFS			
Glorieta 4475		POOL PERFS			
Yeso 4600		POOL PERFS			

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	9 5/8	417	1141 sxs	14 3/4	0' CIRC
PROD	5 1/2	5195	2670 sxs	8 3/4	0' CIRC

Advertisement for Grayburg-Jackson Unit, featuring a grid of product listings and company names. The grid is organized into several columns and rows, with various product names and company identifiers. Key sections include:

- Top Left:** "Grayburg-Jackson Unit" header.
- Top Middle:** "BURNETT OIL (OPER)" section.
- Top Right:** "ASHER ENT. LTD." and "GRAYBURG-JACKSON UNIT" sections.
- Middle Left:** "ARC (OPER)" and "JPERM" sections.
- Middle Right:** "Chevron" and "Stagor" sections.
- Bottom Left:** "Chevron" and "Stagor" sections.
- Bottom Right:** "Chevron" and "Stagor" sections.

The grid contains numerous small text entries, including product names like "Nash, Windfohr", "Allied Chem.", "Gissler", "Burnett Oil", "Asher Ent. Ltd.", "Arc", "Jperm", "Chevron", "Stagor", "Devon Ener", "McClellan", "Power Deep-St", and "Ashmun, et al".

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Handwritten notes: "36296" and "36296" with a checkmark.

DISPOSAL WELL

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STATIC	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W
30-015-36296	JACKSON B	46	BURNETT OIL CO INC						E	24	17 S	30 E	2310 N	990 W

Wells within 1/2 mile which do not penetrate proposed disposal interval

5280 5280

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STATIC	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W	Distance
30-015-21830	STEVENS A	7	BURNETT OIL CO INC	3493	O	A	Eddy	F	N	13	17 S	30 E	25 S	1345 W	2361
30-015-04298	GRAYBURG JACKSON UNIT	IC	ASHER ENTERPRISES LTD. CO.	3678	I	TA	Eddy	F	P	23	17 S	30 E	990 S	330 E	2379
30-015-26985	GISSLER B	29	BURNETT OIL CO INC	3583	O	A	Eddy	F	H	23	17 S	30 E	2130 N	660 E	1659
30-015-30537	BRETT FEDERAL	2	MARBOB ENERGY CORP		O	A/L	Eddy	F	P	23	17 S	30 E	990 S	430 E	2436
30-015-34524	ARNOLD DEEP 23 FED COM	2	CIMAREX ENERGY CO OF COLORA		O	A/L	Eddy	F	G	23	17 S	30 E	1750 N	1550 E	2600
30-015-04308	GISSLER B	2	BURNETT OIL CO INC	3505	O	A	Eddy	F	D	24	17 S	30 E	660 N	660 W	1682
30-015-04311	GRAYBURG JACKSON S A U	5	BURNETT OIL CO INC	3500	O	A	Eddy	F	C	24	17 S	30 E	220 N	2420 W	2532
30-015-04313	JACKSON B	3	BURNETT OIL CO INC	3490	O	A	Eddy	F	G	24	17 S	30 E	1650 N	1980 E	2402
30-015-04316	JACKSON B	14	BURNETT OIL CO INC	2015	O	A	Eddy	F	J	24	17 S	30 E	1980 S	1980 E	2513
30-015-10726	JACKSON B	26	BURNETT OIL CO INC	3246	O	A	Eddy	F	N	24	17 S	30 E	660 S	1980 W	2513
30-015-10856	JACKSON B	27	BURNETT OIL CO INC	3253	O	A	Eddy	F	M	24	17 S	30 E	660 S	660 W	2333
30-015-20209	JACKSON B	39	BURNETT OIL CO INC	3605	O	A	Eddy	F	F	24	17 S	30 E	1650 N	1980 W	1189
30-015-21831	JACKSON B	40	BURNETT OIL CO INC	3550	O	A	Eddy	F	C	24	17 S	30 E	1120 N	1345 W	1241
30-015-27440	JACKSON B	34	BURNETT OIL CO INC	3564	O	A	Eddy	F	E	24	17 S	30 E	1880 N	660 W	542
30-015-27921	JACKSON B	36	BURNETT OIL CO INC	3263	O	A	Eddy	F	J	24	17 S	30 E	2250 S	1905 E	2491

Wells within 1/2 mile which penetrate proposed disposal interval

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STATIC	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W	Distance
30-015-33320	STEVENS A	14	BURNETT OIL CO INC	5380	O	(A)	Eddy	F	N	13	17 S	30 E	80 S	1400 W	2424 ✓
30-015-04302	GISSLER B	12	BURNETT OIL CO INC	7010	O	A	Eddy	F	I	23	17 S	30 E	1950 S	990 E	2227 ✓
30-015-30275	GISSLER A	16	BURNETT OIL CO INC	5502	O	(A)	Eddy	F	A	23	17 S	30 E	660 N	680 E	2347 ✓
30-015-04318	JACKSON B	22	BURNETT OIL CO INC	7050	O	A	Eddy	F	K	24	17 S	30 E	1980 S	1980 W	1400 ✓
30-015-04320	JACKSON B	24	BURNETT OIL CO INC	7030	O	A	Eddy	F	L	24	17 S	30 E	1870 S	330 W	1282 ✓
30-015-34000	JACKSON A	31	BURNETT OIL CO INC	7120	O	(A)	Eddy	F	B	24	17 S	30 E	1220 N	2310 E	2260 ✓
30-015-34864	JACKSON B	44	BURNETT OIL CO INC	5230	O	(A)	Eddy	F	C	24	17 S	30 E	990 N	2310 W	1866 ✓
30-015-35418	BURNETT OIL 24 FEDERAL	3	EOG RESOURCES INC	11603	G	A	Eddy	F	K	24	17 S	30 E	1980 S	1625 W	1176 ✓

Handwritten notes: "10/12/22" and a signature.

**WELLBORE SCHEMATIC AND HISTORY**

COMPLETION SCHEMATIC		APINUM: 30-015-35320	
FORM	DEPTH	OPERATOR: BURNETT OIL CO INC	
		LEASENAME: STEVENS A	
		WELL NO. 14	
		SURF LOC:	UL: N SEC: 13 TWN: 17S RNG: 30E
		80 FSL 1400 FWL	
		BH LOC:	UL: N SEC: 13 TWN: 17S RNG: 30E
		80 FSL 1400 FWL	
		TD 5380 PBD 4965 KB	DF
		GL 3712	
		POOL	PERFS 4626-4875
		CEDAR LAKE; YESO	
		POOL	PERFS
		POOL	PERFS
		GOOD BOND CBL 1300-2050	
		NO BOND CBL 2050-2050'	
		DV Tool @ 2609	
		GOOD BOND CBL 2590-4965'	
		Perfs 4626-4875	
		PBD 4965	
		7 @ 4979' TOC @ 2590'	
		TD 5280'	

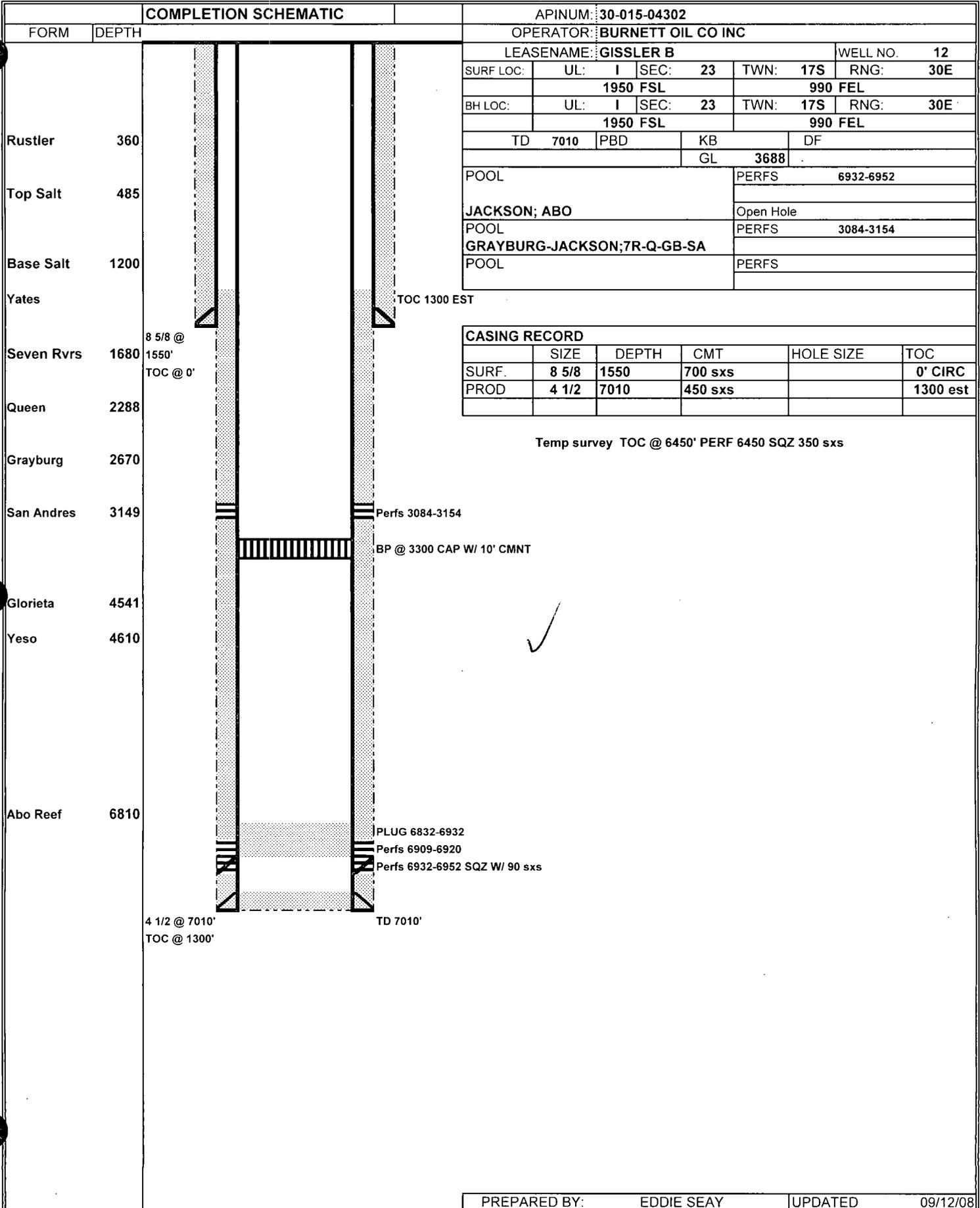
  

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	9 5/8	423	1450 sxs	14 3/4	0' CIRC
PROD	7	4979	700 sxs	8 3/4	2590 CBL

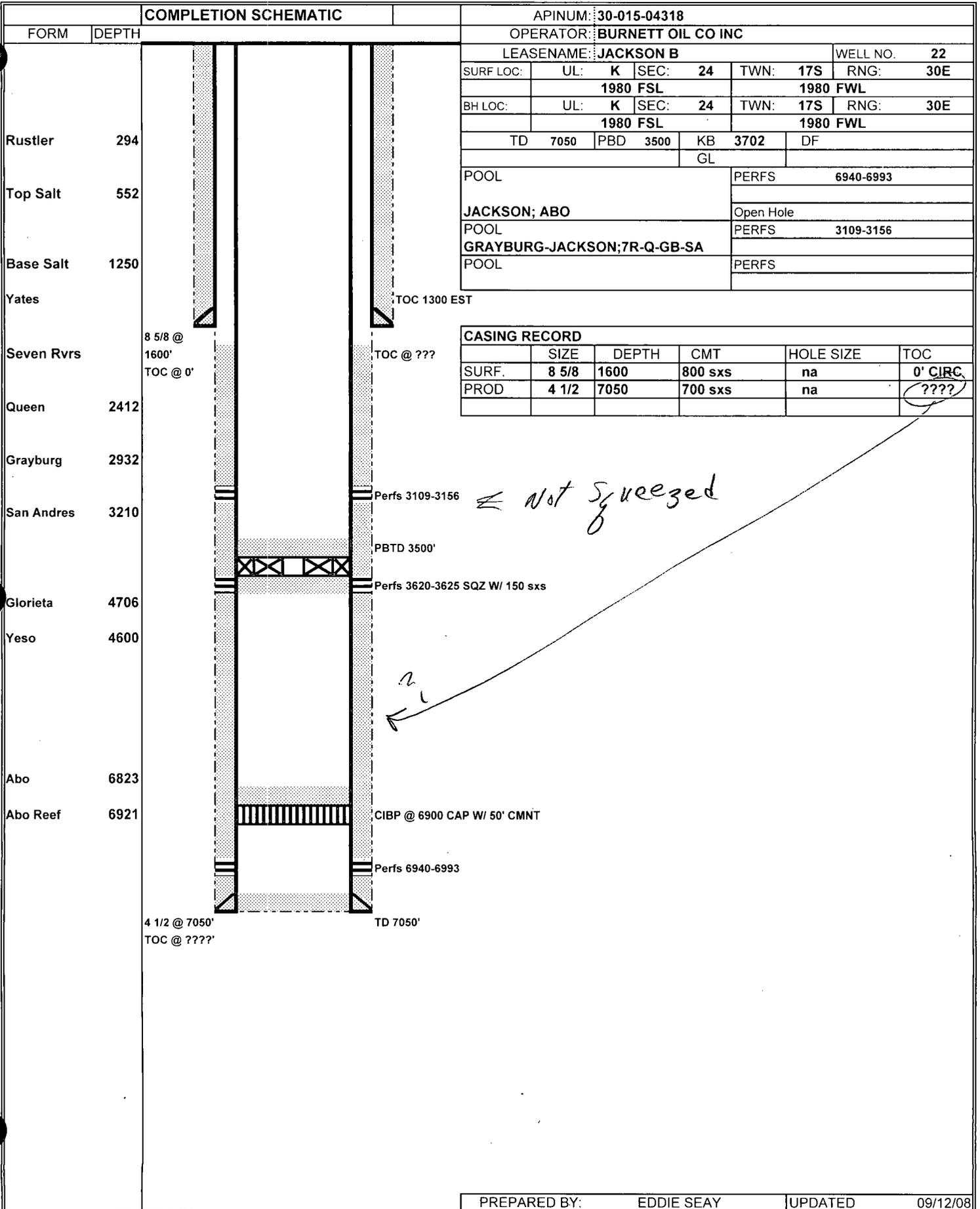
CBL - Good bond from 4965-2590, none from 2590-2050, good from 2050-1300 and none from 1300-400.

# WELLBORE SCHEMATIC AND HISTORY





**WELLBORE SCHEMATIC AND HISTORY**



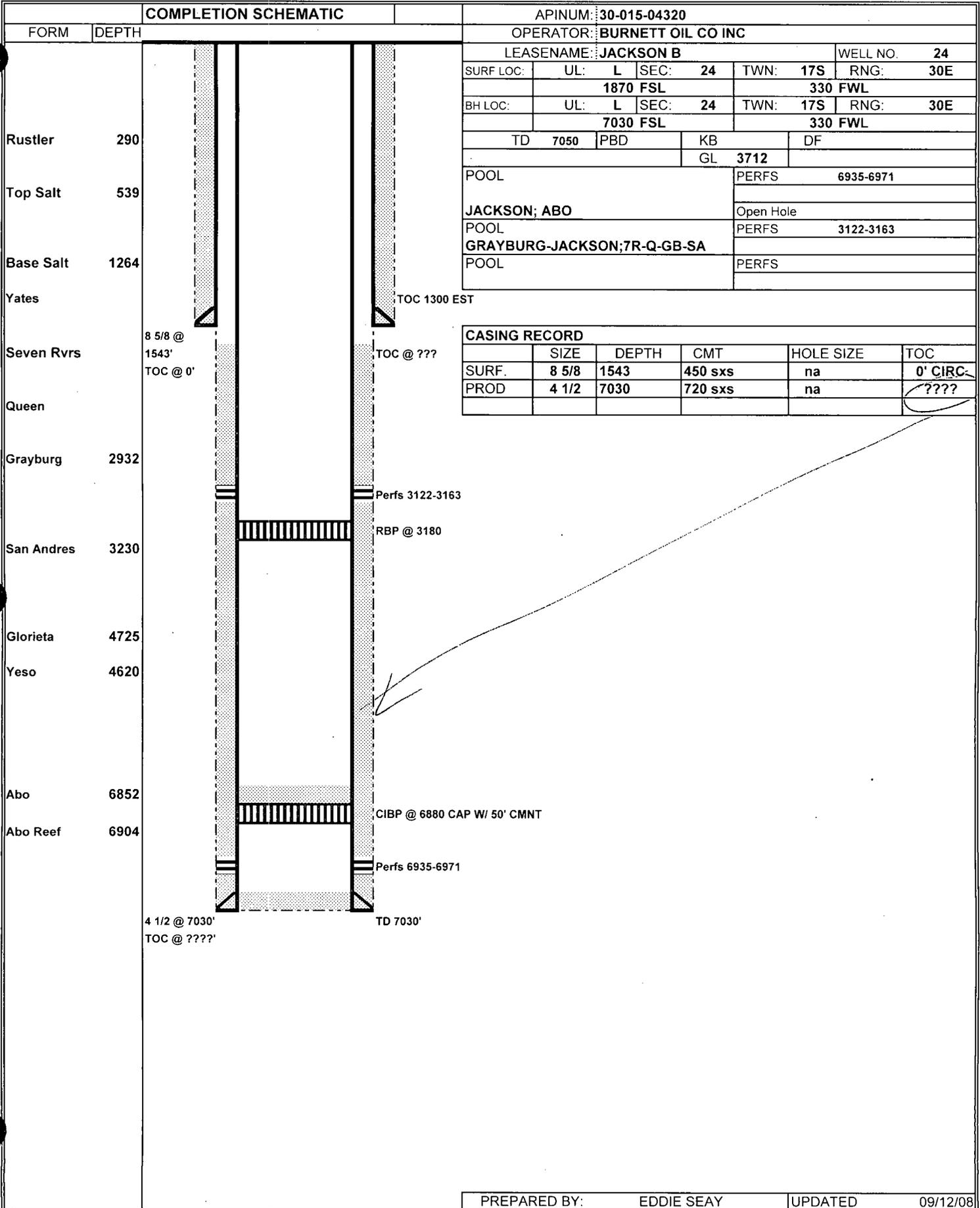
**COMPLETION SCHEMATIC**

FORM	DEPTH
Rustler	294
Top Salt	552
Base Salt	1250
Yates	
Seven Rvrs	8 5/8 @ 1600' TOC @ 0'
Queen	2412
Grayburg	2932
San Andres	3210
Glorieta	4706
Yeso	4600
Abo	6823
Abo Reef	6921
	4 1/2 @ 7050' TOC @ ????

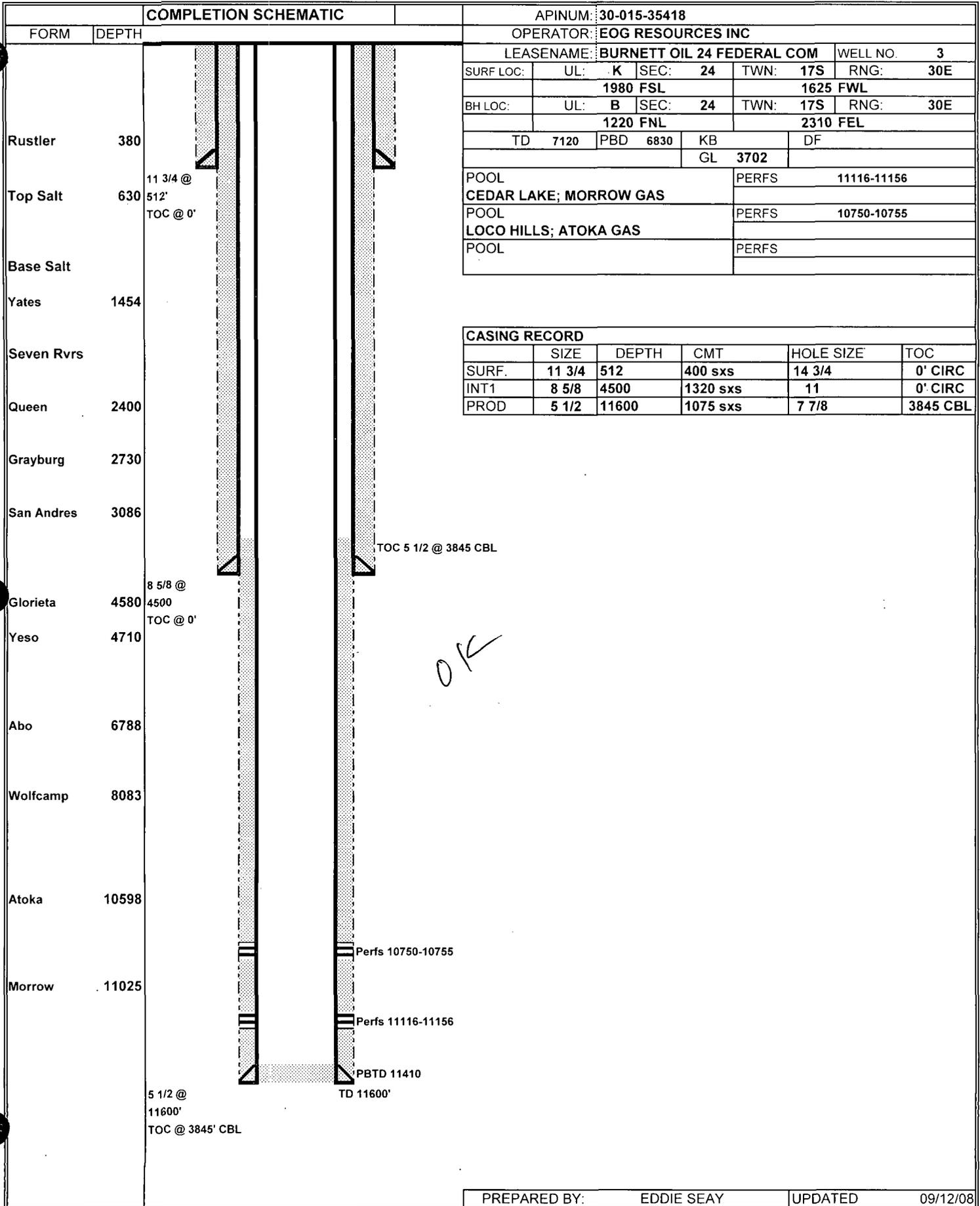
APINUM: 30-015-04318	
OPERATOR: BURNETT OIL CO INC	
LEASENAME: JACKSON B	
WELL NO. 22	
SURF LOC:	UL: K SEC: 24 TWN: 17S RNG: 30E
1980 FSL	
1980 FWL	
BH LOC:	UL: K SEC: 24 TWN: 17S RNG: 30E
1980 FSL	
1980 FWL	
TD 7050	PBD 3500 KB 3702 DF
GL	
POOL	PERFS 6940-6993
JACKSON; ABO	
Open Hole	
POOL	PERFS 3109-3156
GRAYBURG-JACKSON;7R-Q-GB-SA	
POOL	PERFS

	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	8 5/8	1600	800 sxs	na	0' CIRC
PROD	4 1/2	7050	700 sxs	na	????

# WELLBORE SCHEMATIC AND HISTORY



# WELLBORE SCHEMATIC AND HISTORY



**WELLBORE SCHEMATIC AND HISTORY**

COMPLETION SCHEMATIC		APINUM: 30-015-34000			
FORM	DEPTH	OPERATOR: BURNETT OIL CO INC			
		LEASENAME: JACKSON A		WELL NO. 31	
		SURF LOC:	UL: B	SEC: 24	TWN: 17S
			1220 FNL		2310 FEL
		BH LOC:	UL: B	SEC: 24	TWN: 17S
			1650 1220 ENL FSL		2310 FEL
		TD	7120	PBD	KB
				GL	3702
		POOL	PERFS 5035-7016		
			PERFS 6797-6799		
		CEDAR LAKE; YESO	PERFS 7014-7016		
		POOL	PERFS		
		POOL	PERFS		

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	11 3/4	418	500 sxs	14 3/4	0' CIRC
INT1	8 5/8	3071	1275 sxs	11	0' CIRC
PROD	5 1/2	7120	1000 sxs	7 7/8	0' CIRC

FORM	DEPTH	DESCRIPTION
Rustler	269	
Top Salt	498	11 3/4 @ 418' TOC @ 0'
Base Salt	1236	
Yates		
Seven Rvrs	1406	
Queen	1700	
Grayburg	2689	
San Andres	3042	8 5/8 @ 3071 TOC @ 0'
Glorieta	4372	DV Tool @ 4309'
Yeso	4658	Perfs 5035-7016 Perfs 6797-6799 Perfs 7014-7016
		TD 7120' - 4839 TVD
		5 1/2 @ 7120' TOC @ 0'

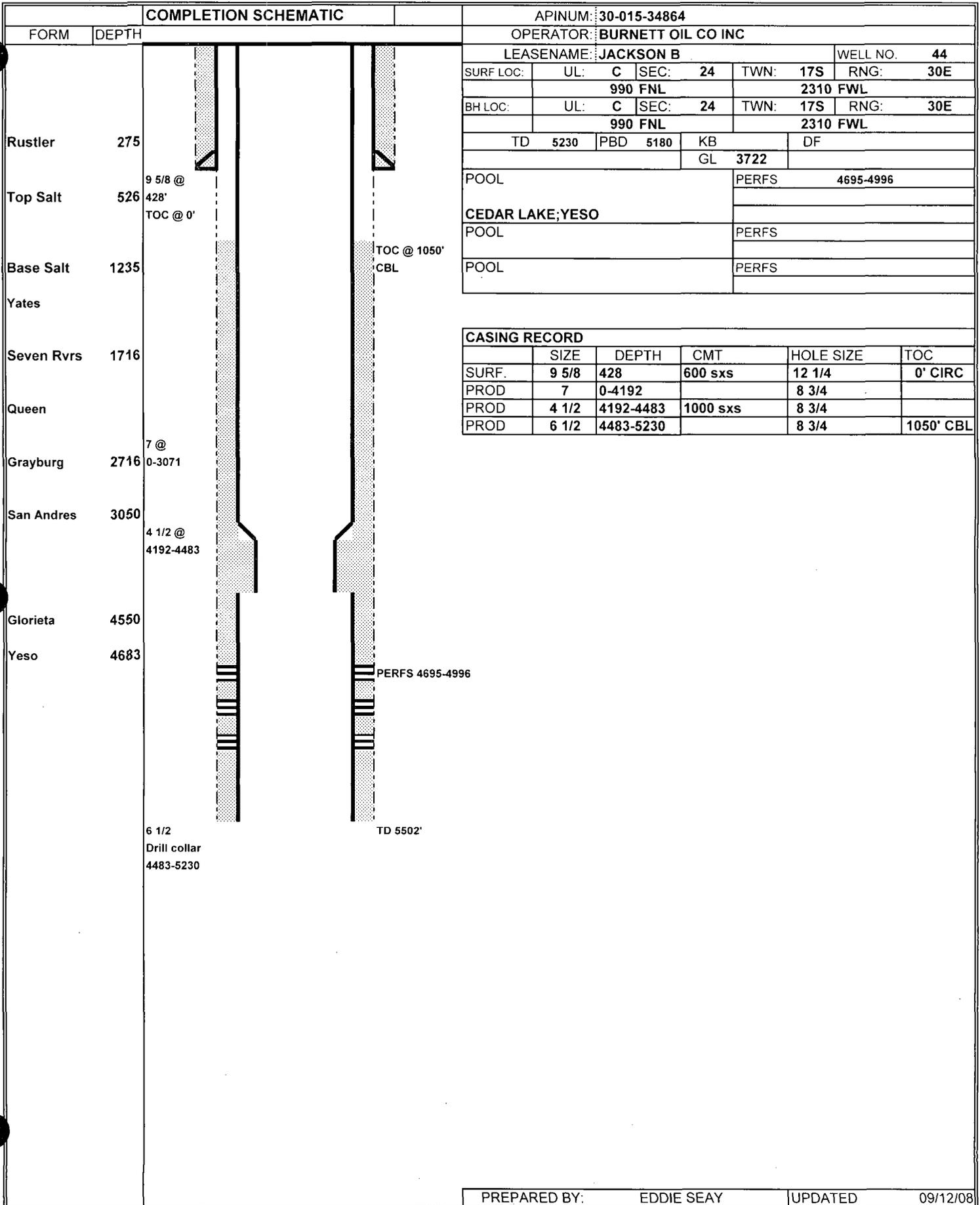
*HORIZ well*

*in yeso*

*4/11/05*

*46° / 577' w / 44'*

**WELLBORE SCHEMATIC AND HISTORY**



Produced Waters  
OCD

<u>POOL</u>	<u>CHLORIDES</u>
Dean Permo Pennsylvanian	44,730
Dean Devonian	19,525
Denton Wolfcamp	37,275
Denton Devonian	37,062
South Denton Wolfcamp	54,315
South Denton Devonian	34,080
Medicine Rock Devonian	39,760
Little Lucky Lake Devonian	23,288
Wantz Abo	132,770
Crosby Devonian	58,220
Scarborough Yates Seven Rivers	3,443 (Reef)
Teague Simpson	114,665
Teague Ellenburger	120,345
Rhodes Yates Seven Rivers	144,485
House San Andres	93,365
House Drinkard	49,700
South Leonard Queen	115,375
Elliott Abo	55,380
Scharb Bone Springs	30,601
EK Queen	41,890
East EK Queen	179,630
Maljamar Grayburg San Andres	46,079
Maljamar Paddock	115,375
Maljamar Devonian	25,418
Salt Lake Yates	6,781 (Reef)
Teas Yates Seven Rivers	22,152 (Reef?)

## Water Analysis Report by Baker Petrolite

Company: BURNETT OIL COMPANY	Sales RDT: 44214
Region: PERMIAN BASIN	Account Manager: REGGIE GUY (505) 910-9391
Area: LOCO HILLS, NM	Sample #: 403003
Lease/Platform: GISSLER 'A' LEASE	Analysis ID #: 75543
Entity (or well #): 18	Analysis Cost: \$80.00
Formation: YESO	
Sample Point: WELLHEAD	

Summary		Analysis of Sample 403003 @ 75 °F			
Sampling Date:	8/29/07	<b>Anions</b>	mg/l	meq/l	<b>Cations</b>
Analysis Date:	9/17/07	Chloride:	129402.0	3649.96	Sodium:
Analyst:	LISA HAMILTON	Bicarbonate:	451.0	7.39	Magnesium:
TDS (mg/l or g/m3):	221659.8	Carbonate:	0.0	0.	Calcium:
Density (g/cm3, tonne/m3):	1.145	Sulfate:	5804.0	120.84	Strontium:
Anion/Cation Ratio:	1	Phosphate:			Barium:
Carbon Dioxide:	200 PPM	Borate:			Iron:
Oxygen:		Silicate:			Potassium:
Comments:		Hydrogen Sulfide:		85 PPM	Aluminum:
		pH at time of sampling:		6.1	Chromium:
		pH at time of analysis:			Copper:
		pH used in Calculation:		6.1	Lead:
					Manganese:
					Nickel:

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
°F	psi											psi
80	0	0.08	5.94	0.18	694.19	0.22	648.97	0.21	19.22	0.44	0.00	2.64
100	0	0.16	12.15	0.10	385.26	0.20	593.85	0.18	16.68	0.23	0.00	3.18
120	0	0.24	18.66	0.02	89.04	0.21	603.18	0.16	14.98	0.04	0.00	3.71
140	0	0.33	25.44	-0.04	0.00	0.23	667.91	0.14	14.13	-0.12	0.00	4.21

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.  
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.  
Note 3: The reported CO<sub>2</sub> pressure is actually the calculated CO<sub>2</sub> fugacity. It is usually nearly the same as the CO<sub>2</sub> partial pressure.

North Permian Basin Region  
P.O. Box 740  
Sundown, TX 79372-0740  
(806) 229-8121  
Lab Team Leader - Sheila Hernandez  
(432) 495-7240

## Water Analysis Report by Baker Petrolite

Company:	BURNETT OIL COMPANY	Sales RDT:	44214
Region:	PERMIAN BASIN	Account Manager:	REGGIE GUY (505) 910-9391
Area:	LOCO HILLS, NM	Sample #:	386996
Lease/Platform:	STEVENS 'B' LEASE	Analysis ID #:	73905
Entity (or well #):	4	Analysis Cost:	\$80.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

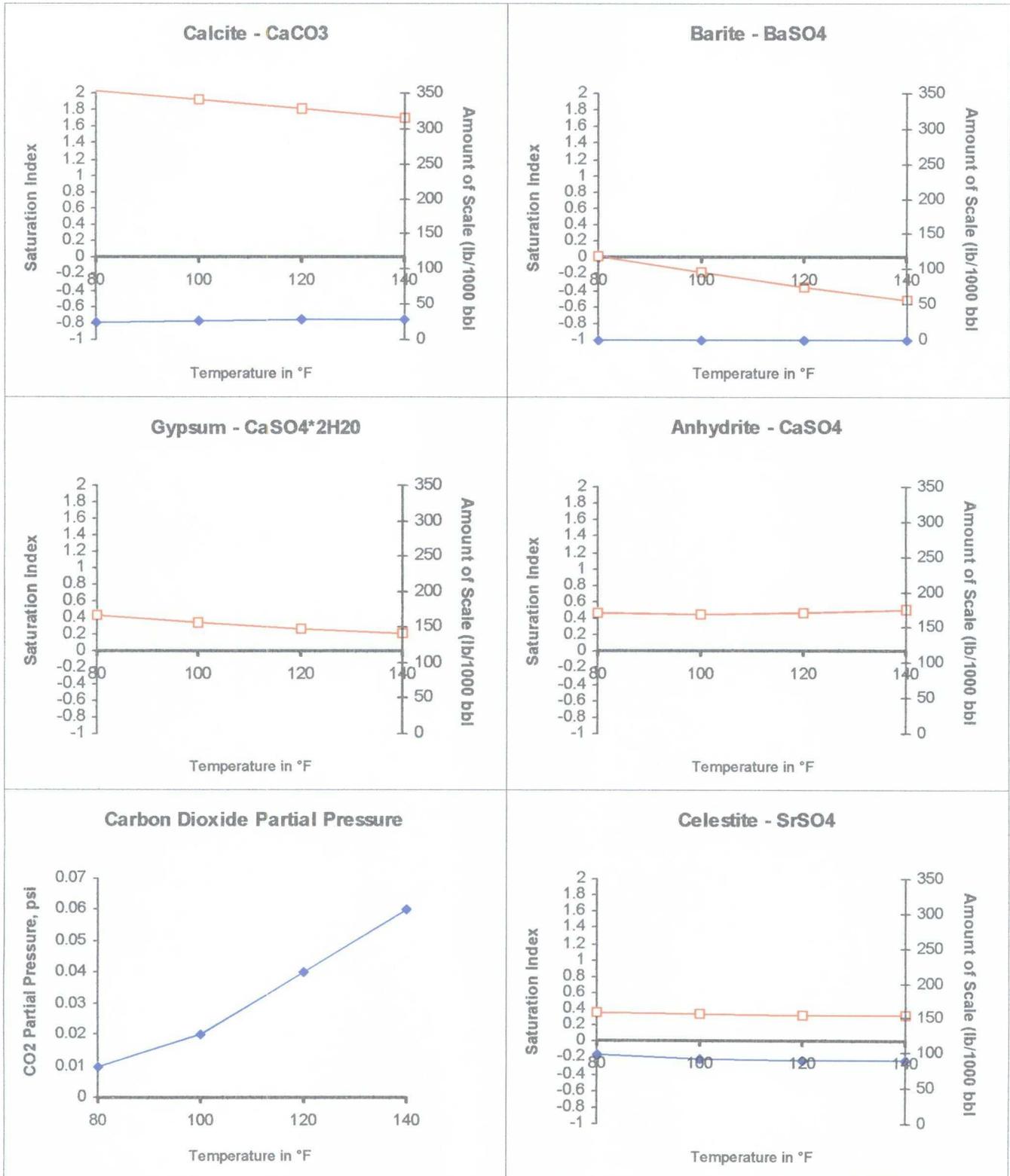
Summary		Analysis of Sample 386996 @ 75 °F					
		Anions		Cations			
		mg/l	meq/l	mg/l	meq/l		
Sampling Date:	07/17/07	Chloride:	146756.0	4139.45	Sodium:	77387.2	3366.16
Analysis Date:	07/27/07	Bicarbonate:	183.0	3.	Magnesium:	2214.0	182.13
Analyst:	LISA HAMILTON	Carbonate:	0.0	0.	Calcium:	12386.0	618.06
TDS (mg/l or g/m3):	243151.3	Sulfate:	2829.0	58.9	Strontium:	281.0	6.41
Density (g/cm3, tonne/m3):	1.155	Phosphate:			Barium:	0.1	0.
Anion/Cation Ratio:	1	Borate:			Iron:	7.0	0.25
		Silicate:			Potassium:	1108.0	28.34
Carbon Dioxide:	400 PPM	Hydrogen Sulfide:	170 PPM		Aluminum:		
Oxygen:		pH at time of sampling:		8	Chromium:		
Comments:		pH at time of analysis:			Copper:		
		pH used in Calculation:		8	Lead:		
					Manganese:	0.040	0.
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
°F	psi											psi
80	0	2.04	26.01	0.43	945.27	0.48	793.63	0.37	97.68	0.02	0.00	0.01
100	0	1.92	27.12	0.35	826.56	0.46	778.13	0.34	92.70	-0.18	0.00	0.02
120	0	1.82	28.50	0.28	707.01	0.47	787.54	0.33	90.49	-0.35	0.00	0.04
140	0	1.72	29.89	0.22	590.24	0.51	817.15	0.33	89.93	-0.51	0.00	0.06

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.  
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.  
Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

# Scale Predictions from Baker Petrolite

Analysis of Sample 386996 @ 75 °F for BURNETT OIL COMPANY, 07/27/07



North Permian Basin Region  
P.O. Box 740  
Sundown, TX 79372-0740  
(806) 229-8121  
Lab Team Leader - Sheila Hernandez  
(432) 495-7240

## Water Analysis Report by Baker Petrolite

Company:	BURNETT OIL COMPANY	Sales RDT:	44214
Region:	PERMIAN BASIN	Account Manager:	REGGIE GUY (505) 910-9391
Area:	LOCO HILLS, NM	Sample #:	386992
Lease/Platform:	GISSLER 'A' LEASE	Analysis ID #:	73902
Entity (or well #):	30	Analysis Cost:	\$80.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Summary		Analysis of Sample 386992 @ 75 °F			
Sampling Date:	07/17/07	<b>Anions</b>	mg/l	meq/l	<b>Cations</b>
Analysis Date:	07/27/07	Chloride:	159626.0	4502.47	Sodium:
Analyst:	LISA HAMILTON	Bicarbonate:	91.5	1.5	Magnesium:
TDS (mg/l or g/m3):	262526.3	Carbonate:	0.0	0.0	Calcium:
Density (g/cm3, tonne/m3):	1.163	Sulfate:	2526.0	52.59	Strontium:
Anion/Cation Ratio:	1	Phosphate:			Barium:
Carbon Dioxide:	850 PPM	Borate:			Iron:
Oxygen:		Silicate:			Potassium:
Comments:		Hydrogen Sulfide:		170 PPM	Aluminum:
		pH at time of sampling:		7	Chromium:
		pH at time of analysis:			Copper:
		pH used in Calculation:		7	Lead:
					Manganese:
					Nickel:

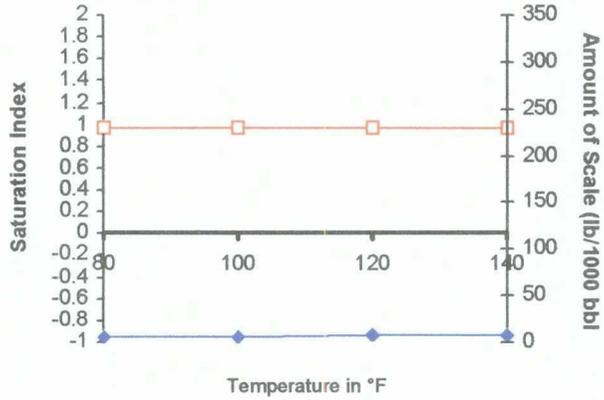
Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> *2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
		Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
°F	psi											
80	0	0.98	6.51	0.52	940.90	0.57	782.95	0.46	170.43	0.39	0.00	0.05
100	0	0.98	7.06	0.44	854.32	0.56	771.82	0.44	164.73	0.19	0.00	0.07
120	0	0.97	7.87	0.37	766.94	0.57	778.34	0.43	162.29	0.02	0.00	0.1
140	0	0.98	8.68	0.31	681.72	0.60	799.78	0.43	162.56	-0.13	0.00	0.13

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.  
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.  
Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

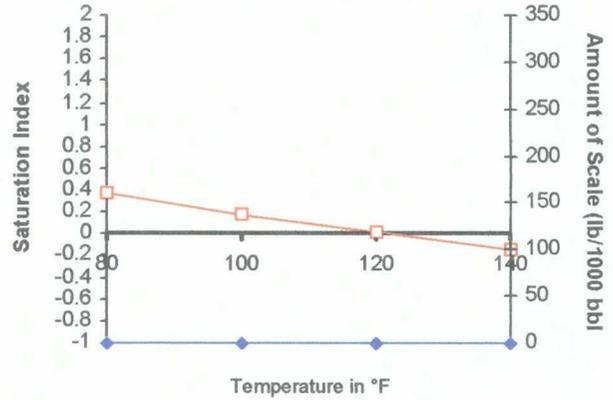
# Scale Predictions from Baker Petrolite

Analysis of Sample 386992 @ 75 °F for BURNETT OIL COMPANY, 07/27/07

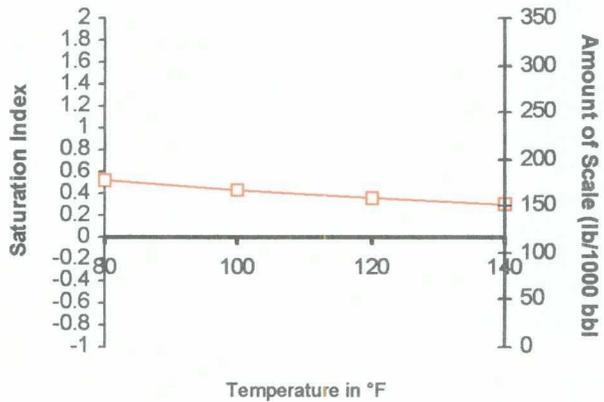
**Calcite - CaCO<sub>3</sub>**



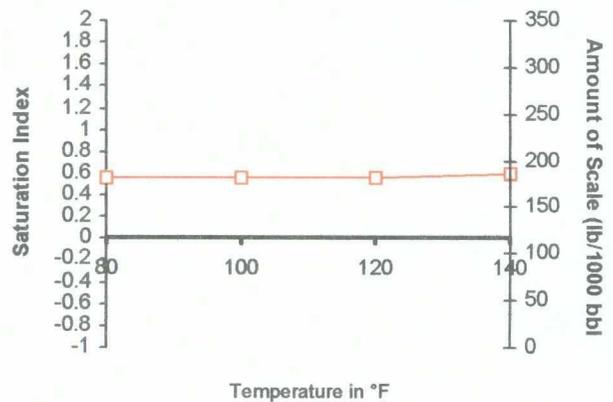
**Barite - BaSO<sub>4</sub>**



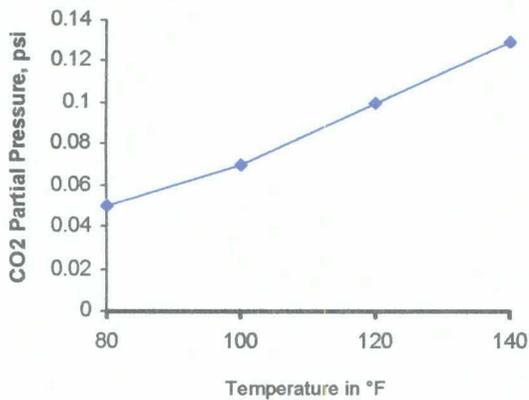
**Gypsum - CaSO<sub>4</sub>·2H<sub>2</sub>O**



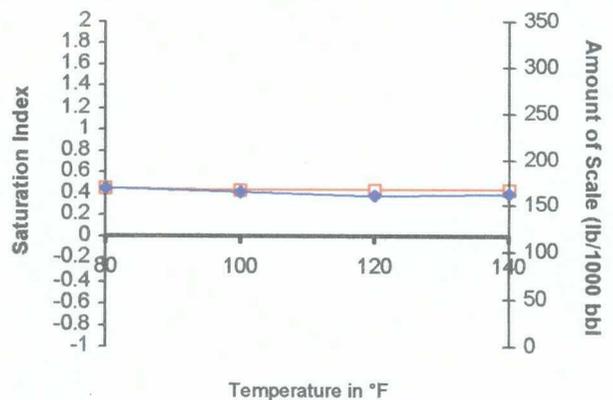
**Anhydrite - CaSO<sub>4</sub>**



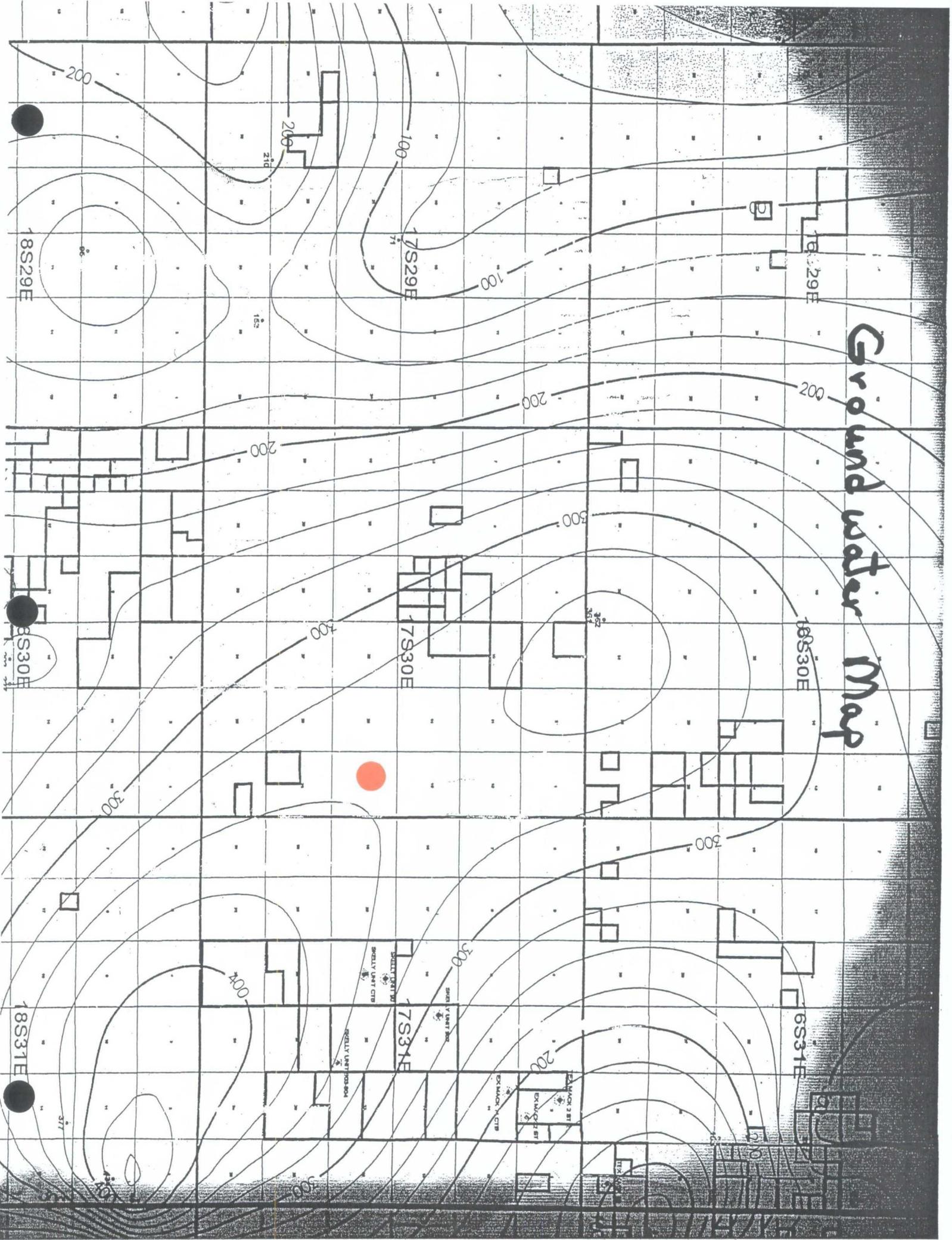
**Carbon Dioxide Partial Pressure**



**Celestite - SrSO<sub>4</sub>**



# Groundwater Map



## LEASE OWNERS AND OFFSETS

COG Operating LLC (Concho)  
550 W. Texas Ave., Ste. 1300  
Midland, TX 79701

Bureau of Land Management  
620 E. Greene St.  
Carlsbad, NM 88220

**BURNETT OIL CO.**

September 15, 2008

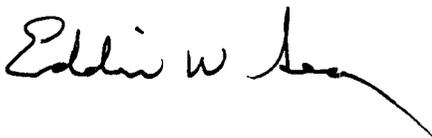
RE: Jackson B #46  
Unit E, Sect. 24, Tws. 17 S., Rng. 30 E.  
API 30-015-34847

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,



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

7008 1140 0001 3089 6961

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COG Operating LLC (Concho)  
 550 W. Texas Ave., Ste. 1300  
 Midland, TX 79701  
 PS Form 3800, August 2006 See Reverse for Instructions

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Postage	\$	\$1.68
Certified Fee		\$2.70
Return Receipt Fee (Endorsement Required)		\$2.20
Restricted Delivery Fee (Endorsement Required)		\$0.00
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.58</b>



Bureau of Land Management  
 620 E. Greene St.  
 Carlsbad, NM 88220  
 PS Form 3800, August 2006 See Reverse for Instructions

## LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, Burnett Oil Co., 801 Cherry St., Ste. 1500, Fort Worth, Texas 76102, is filing a C-108, Application for Salt Water Disposal. The well being applied for is the Jackson B #46, API 30-015-34847, located in Unit E, Section 24, Township 17 South, Range 30 East, Eddy Co., NM. The injection formation is the Yeso from 4600' to 5196' below surface. Expected maximum injection rate is 5000 bpd., and the expected maximum injection pressure is 1000 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. 20380

# Copy of Publication:

STATE OF NEW MEXICO

County of Eddy:

GARY D. 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 county and state, and that the here to 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 week/days on the same

day as follows:

First Publication September 17, 2008

Second Publication \_\_\_\_\_

Third Publication \_\_\_\_\_

Fourth Publication \_\_\_\_\_

Fifth Publication Gary D. Scott

Subscribed and sworn to before me this

17 Day September 2008



OFFICIAL SEAL  
Jo Morgan  
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 6/16/12

Jo Morgan

Notary Public, Eddy County, New Mexico

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, Burnett Oil Co., 801 Cherry St., Ste. 1500, Fort Worth, Texas 76102, is filing a C-108, Application for Salt Water Disposal. The well being applied for is the Jackson B #46, API 30-015-34847, located in Unit E, Section 24, Township 17 South, Range 39 East, Eddy Co., NM. The injection

formation is the Yeso from 4600' to 5196' below surface. Expected maximum injection rate is 5000 bpd., and the expected maximum injection pressure is 1000 psi or what the OCD allows. Any questions about the application can be directed to Eddy 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. Published in the Artesia Daily Press, Artesia, NM September 17, 2008 Legal 20380

36306

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Saturday, October 18, 2008 5:33 PM  
**To:** 'Eddie Seay'  
**Cc:** Ezeanyim, Richard, EMNRD; Gum, Tim, EMNRD  
**Subject:** Injection application on behalf of Burnett Oil Co Inc

Hello Eddie:

You submitted this application Oct 3rd and asked it to be expedited based on shut-in production nearby.

The application has a wellbore diagram constructed that looks like the Stevens B #4 well (30-015-34847) in Unit C of Sec 13, T17S R30E in Eddie County and you use this Stevens B #4's API number throughout the application instead of 30-015-36306 which seems to be for the Jackson B #46.

However, your application says the subject well is the Jackson B #46.

The Logs and the Wellfile data for these two wells seem to be or may be intermixed. Please get this straightened out with the Artesia District office so the wellfile data and elogs are in the correct files - and send a corrected SWD application (C-108) with the correct wellbore diagram and API number to Santa Fe and copy it to Artesia.

Also, the injection interval is listed with two different tops, looks like 4732 is correct?

Send copies of the sundry reports which should have been submitted by Burnett showing the testing done on the Perfs from 4732 to 5196. If the well is intended for injection prior to testing this interval - please have a writeup covering this and the plan to test the interval and report results.

Ask Burnett's geologist or engineer to send a quick writeup with an opinion on how injection into this interval will affect the offsetting production from this interval in offsetting wells.

Check for windmills or water wells within 1 mile and send a recent fresh water analysis - we gather this data for future reference.

Thank You,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505  
505-476-3448

10/18/2008

**Injection Permit Checklist (7/8/08)**

Stover B #4 UNIT C Sec 13

Case R- (SWD) WFX PMX IPI Permit Date UIC Qtr

# Wells Well Name: Jackson B #46

API Num: (30-) 015-34877-36306 Spud Date: New/Old: N (UIC primacy March 7, 1982)

Footages: 2310 FNL/990 FUL Unit E Sec 24 Tsp 17S Rge 30E County EDDY

Operator: Burnett OIL CO, INC. Contact: Mark Jacoby

OGRID: 3080 RULE 40 Compliance (Wells) 0/158 (Finan Assur) OK

Operator Address: 801 Chamy St SUITE 1500 (UNIT 9) Fawcett TX, 76102

Current Status of Well: \_\_\_\_\_

Planned Work to Well: \_\_\_\_\_

Planned Tubing Size/Depth: 2 7/8 @ 4650

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing Surface	<u>14 3/4 9 5/8</u>	<u>417</u>	<u>1141</u>	<u>CIRC</u>
Existing Intermediate				
Existing Long String	<u>5 1/2</u>	<u>5196</u>	<u>2670</u>	<u>CIRC</u>

DV Tool \_\_\_\_\_ Liner \_\_\_\_\_ Open Hole \_\_\_\_\_ Total Depth \_\_\_\_\_ PBT \_\_\_\_\_

Well File Reviewed \_\_\_\_\_

Diagrams: Before Conversion  After Conversion \_\_\_\_\_ Elogs in Imaging File: NO LOGS

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)	<u>4475</u>	<u>ELOR</u>	
Injection..... Interval TOP:	<u>4650</u>	<u>Yes</u>	
Injection..... Interval BOTTOM:	<u>5196</u>	<u>Yes</u>	
Below (Name and Top)	<u>6823</u>	<u>ABO</u>	

NOT-commercial

946 PSI Max. WHIP

NO Open Hole (Y/N)

NO Deviated Hole?

Sensitive Areas: Capitan Reef \_\_\_\_\_ Cliff House \_\_\_\_\_ Salt Depths 501-1250

Retash Area (R-111-P) \_\_\_\_\_ Retash Lessee \_\_\_\_\_ Noticed? \_\_\_\_\_

Fresh Water: Depths: \_\_\_\_\_ Wells (Y/N) \_\_\_\_\_ Analysis Included (Y/N): \_\_\_\_\_ Affirmative Statement

Salt Water: Injection Water Types: SA/QN/7R/RS/Yes Analysis? \_\_\_\_\_

Injection Interval..... Water Analysis: \_\_\_\_\_ Hydrocarbon Potential Tested already in these parts.

Notice: Newspaper (Y/N)  Surface Owner BLM Mineral Owner(s) \_\_\_\_\_

RULE 701B(2) Affected Parties: EOG/Cinergy/Asker East/Marble/Concho

Area of Review: Adequate Map (Y/N) \_\_\_\_\_ and Well List (Y/N) \_\_\_\_\_

Active Wells 8 Num Repairs \_\_\_\_\_ Producing in Injection Interval in AOR Yes

P&A Wells 0 Num Repairs \_\_\_\_\_ All Wellbore Diagrams Included? \_\_\_\_\_

Questions to be Answered:

Send CBL on 30-015-35418 - DV depth

Required Work on This Well: Send completion Report Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_

AOR Repairs Needed: \_\_\_\_\_ Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_

Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_

4732  
9464

RECEIVED

2008 OCT 3 PM 1 49

NMOCD Engineering  
ATTN: Will Jones  
1220 S. Saint Francis Dr.  
Santa Fe, NM 87504

RE: Burnett Oil Co.  
Jackson B #46  
API 30-015-34847  
C-108 Application for SWD

36308

Mr. Jones:

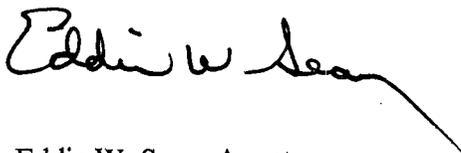
Find enclosed the C-108 Application for SWD for the above listed well. All notice requirements have been met and the offset minerals belong to Burnett.

The approval of this well is very important and necessary for Burnett, since wells are shut in due to the availability of disposal.

Your prompt attention to this permit would be appreciated.

We thank you for your time and consideration.

Sincerely,



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

cc: Burnett Oil

RECEIVED

2008 NOV 3 PM 1 40

October 31, 2008

NMOCD Engineering  
ATTN: Will Jones  
1220 S. Saint Francis Dr.  
Santa Fe, NM 87504

RE: Burnett Oil Co.  
Jackson B #46 API 30-015-36306  
Supplement to C-108 Application

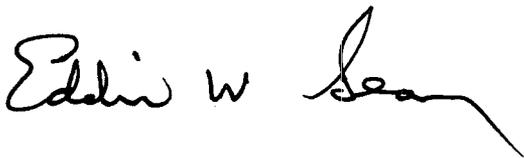
Mr. Jones:

Please find answers to SWD application.

- 1) Attached is list of wells with corrected API and well bore schematics.
- 2) See attached write up from Burnett Oil Engineer.
- 3) The proposed injection formation is the Yeso, the top of the Yeso is 4600'. The top of the existing perms are at 4732'.
- 4) I have checked for windmills in this area, none were found. In the area of concern, the water that is used for cattle is from dirt tanks or piped in from the Caprock. (See attached State Engineer Water list.)

Should you need anything further, please call.

Thanks,



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

**Eddie W. Seay**

---

**From:** "Jones, William V., EMNRD" <William.V.Jones@state.nm.us>  
**To:** "Eddie Seay" <seay04@leaco.net>  
**Cc:** "Ezeanyim, Richard, EMNRD" <richard.ezeanyim@state.nm.us>; "Gum, Tim, EMNRD" <tim.gum@state.nm.us>  
**Sent:** Saturday, October 18, 2008 5:33 PM  
**Subject:** Injection application on behalf of Burnett Oil Co Inc

Hello Eddie:

You submitted this application Oct 3rd and asked it to be expedited based on shut-in production nearby.

The application has a wellbore diagram constructed that looks like the Stevens B #4 well (30-015-34847) in Unit C of Sec 13, T17S R30E in Eddie County and you use this Stevens B #4's API number throughout the application instead of 30-015-36306 which seems to be for the Jackson B #46.

However, your application says the subject well is the Jackson B #46.

The Logs and the Wellfile data for these two wells seem to be or may be intermixed. Please get this straightened out with the Artesia District office so the wellfile data and elogs are in the correct files - and send a corrected SWD application (C-108) with the correct wellbore diagram and API number to Santa Fe and copy it to Artesia.

Also, the injection interval is listed with two different tops, looks like 4732 is correct?

Send copies of the sundry reports which should have been submitted by Burnett showing the testing done on the Perfs from 4732 to 5196. If the well is intended for injection prior to testing this interval - please have a writeup covering this and the plan to test the interval and report results.

Ask Burnett's geologist or engineer to send a quick writeup with an opinion on how injection into this interval will affect the offsetting production from this interval in offsetting wells.

Check for windmills or water wells within 1 mile and send a recent fresh water analysis - we gather this data for future reference.

Thank You,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505  
505-476-3448

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10/20/2008

DISPOSAL WELL

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W
30-015-36306	JACKSON B	46	BURNETT OIL CO INC						E	24	17 S	30 E	2310 N	990 W

Wells within 1/2 mile which do not penetrate proposed disposal interval

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W	Distance
30-015-21830	STEVENS A	7	BURNETT OIL CO INC	3493	O	A	Eddy	F	N	13	17 S	30 E	25 S	1345 W	2361
30-015-04298	GRAYBURG JACKSON UNIT	1	ASHER ENTERPRISES LTD. CO.	3678	I	TA	Eddy	F	P	23	17 S	30 E	990 S	330 E	2379
30-015-26985	GISSLER B	29	BURNETT OIL CO INC	3583	O	A	Eddy	F	H	23	17 S	30 E	2130 N	660 E	1659
30-015-30537	BRETT FEDERAL	2	MARBOB ENERGY CORP		O	A/L	Eddy	F	P	23	17 S	30 E	990 S	430 E	2436
30-015-34524	ARNOLD DEEP 23 FED COM	2	CIMAREX ENERGY CO OF COLORA		O	A/L	Eddy	F	G	23	17 S	30 E	1750 N	1550 E	2600
30-015-04308	GISSLER B	2	BURNETT OIL CO INC	3505	O	A	Eddy	F	D	24	17 S	30 E	660 N	660 W	1682
30-015-04311	GRAYBURG JACKSON S A U	5	BURNETT OIL CO INC	3500	O	A	Eddy	F	C	24	17 S	30 E	220 N	2420 W	2532
30-015-04313	JACKSON B	3	BURNETT OIL CO INC	3490	O	A	Eddy	F	G	24	17 S	30 E	1650 N	1980 E	2402
30-015-04316	JACKSON B	14	BURNETT OIL CO INC	2015	O	A	Eddy	F	J	24	17 S	30 E	1980 S	1980 E	2513
30-015-10726	JACKSON B	26	BURNETT OIL CO INC	3246	O	A	Eddy	F	N	24	17 S	30 E	660 S	1980 W	2513
30-015-10856	JACKSON B	27	BURNETT OIL CO INC	3253	O	A	Eddy	F	M	24	17 S	30 E	660 S	660 W	2333
30-015-20209	JACKSON B	39	BURNETT OIL CO INC	3605	O	A	Eddy	F	F	24	17 S	30 E	1650 N	1980 W	1189
30-015-21831	JACKSON B	40	BURNETT OIL CO INC	3550	O	A	Eddy	F	C	24	17 S	30 E	1120 N	1345 W	1241
30-015-27440	JACKSON B	34	BURNETT OIL CO INC	3564	O	A	Eddy	F	E	24	17 S	30 E	1880 N	660 W	542
30-015-27921	JACKSON B	36	BURNETT OIL CO INC	3263	O	A	Eddy	F	J	24	17 S	30 E	2250 S	1905 E	2491

Wells within 1/2 mile which penetrate proposed disposal interval

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STAT	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W	Distance
30-015-35320	STEVENS A	✓ 14	BURNETT OIL CO INC	5380	O	A	Eddy	F	N	13	17 S	30 E	80 S	1400 W	2424
30-015-04302	GISSLER B	✓ 12	BURNETT OIL CO INC	7010	O	A	Eddy	F	I	23	17 S	30 E	1950 S	990 E	2227
30-015-30275	GISSLER A	✓ 16	BURNETT OIL CO INC	5502	O	A	Eddy	F	A	23	17 S	30 E	660 N	680 E	2347
30-015-04318	JACKSON B	✓ 22	BURNETT OIL CO INC	7050	O	A	Eddy	F	K	24	17 S	30 E	1980 S	1980 W	1400
30-015-04320	JACKSON B	✓ 24	BURNETT OIL CO INC	7030	O	A	Eddy	F	L	24	17 S	30 E	1870 S	330 W	1282
30-015-34000	JACKSON A	✓ 31	BURNETT OIL CO INC	7120	O	A	Eddy	F	B	24	17 S	30 E	1220 N	2310 E	2260
30-015-34864	JACKSON B	✓ 44	BURNETT OIL CO INC	5230	O	A	Eddy	F	C	24	17 S	30 E	990 N	2310 W	1866
30-015-35418	BURNETT OIL 24 FEDERAL	✓ 3	EOG RESOURCES INC	11603	G	A	Eddy	F	K	24	17 S	30 E	1980 S	1625 W	1176

8

## WELLBORE SCHEMATIC AND HISTORY

COMPLETION SCHEMATIC		APINUM: 30-015-36306			
FORM	DEPTH	OPERATOR: BURNETT OIL CO INC			
		LEASENAME: JACKSON B <span style="float: right;">WELL NO. 46</span>			
		SURF LOC: UL: E SEC: 24 TWN: 17S RNG: 30E 2310 FNL <span style="float: right;">990 FWL</span>			
		BH LOC: UL: E SEC: 24 TWN: 17S RNG: 30E 2310 FNL <span style="float: right;">990 FWL</span>			
		TD 5200 PBD KB DF GL 3674			
		POOL PERFS 4732-4924			
		CEDAR LAKE; YESO Open Hole			
		POOL PERFS			
		POOL PERFS			
<b>CASING RECORD</b>					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	9 5/8	415	1141 sxs	14 3/4	0' CIRC
PROD	5 1/2	5195	2670 sxs	8 3/4	0' CIRC

FORMATION	DEPTH	SCHEMATIC
Rustler	300	
Top Salt	501	
Base Salt	1250	
Yates	1405	
Seven Rvrs	1830	
Queen	2316	
Grayburg	2716	
San Andres	3022	
Glorieta	4475	
Yeso	4600	

**WELLBORE SCHEMATIC AFTER**

COMPLETION SCHEMATIC		APINUM: <del>30-015-34847</del> <b>34306</b>			
FORM	DEPTH	OPERATOR: BURNETT OIL CO INC			
		LEASENAME: JACKSON B		WELL NO. 46	
		SURF LOC: UL: E SEC: 24	TWN: 17S	RNG: 30E	
		2310 FNL		990 FWL	
		BH LOC: UL: E SEC: 24	TWN: 17S	RNG: 30E	
		2310 FNL		990 FWL	
		TD 5200	PBD	KB	DF
			GL 3674		
		POOL		PERFS 4732-5196	
		SWD: YESO		Open Hole	
		POOL		PERFS	
		POOL		PERFS	

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	9 5/8	417	1141 sxs	14 3/4	0' CIRC
PROD	5 1/2	5195	2670 sxs	8 3/4	0' CIRC

FORMATION	DEPTH	DESCRIPTION
Rustler	300	
Top Salt	501	9 5/8 @ 417' TOC @ 0'
Base Salt	1250	
Yates	1405	
Seven Rvrs	1830	
Queen	2316	
Grayburg	2716	
San Andres	3022	
Glorieta	4475	
Yeso	4600	PKR & 2 7/8 Plastic lined TBG @ 4650 PERFS 4732-5196 PBTD '5156
		5 1/2 @ 5195' TOC @ 0'
		TD 5200'

**WELLBORE SCHEMATIC AND HISTORY**

COMPLETION SCHEMATIC		APINUM: 30-015-35320			
FORM	DEPTH	OPERATOR: BURNETT OIL CO INC			
		LEASENAME: STEVENS A		WELL NO. 14	
		SURF LOC:	UL: N SEC: 13	TWN: 17S	RNG: 30E
		80 FSL		1400 FWL	
		BH LOC:	UL: N SEC: 13	TWN: 17S	RNG: 30E
		80 FSL		1400 FWL	
		TD 5380	PBD 4965	KB	DF
			GL	3712	
		POOL			PERFS 4626-4875
		CEDAR LAKE; YESO			Open Hole
		POOL			PERFS
		POOL			PERFS
		GOOD BOND CBL 1300-2050			
		NO BOND CBL 2050-2050'			
		DV Tool @ 2609			
		GOOD BOND CBL 2590-4965'			
		CBL - Good bond from 4965-2590, none from 2590-2050, good from 2050-1300 and none from 1300-400.			
		Perfs 4626-4875 — 4732			
		PBD 4965			
		7 @ 4979' TOC @ 2590'			
		TD 5280'			
		— 5196			
Rustler	320				
Top Salt	440	9 5/8 @ 423' TOC @ 0'			
Base Salt	1165				
Yates					
Seven Rvrs	1643				
Queen	2248				
Grayburg	2630				
San Andres	3109				
Glorieta	4491				
Yeso	4570				

**WELLBORE SCHEMATIC AND HISTORY**

COMPLETION SCHEMATIC		APINUM: 30-015-04302																											
FORM	DEPTH	OPERATOR: BURNETT OIL CO INC																											
		LEASENAME: GISSLER B		WELL NO. 12																									
		SURF LOC: 1950 FSL	UL: I	SEC: 23	TWN: 17S																								
					RNG: 30E																								
		BH LOC: 1950 FSL		990 FEL																									
			UL: I	SEC: 23	TWN: 17S																								
					RNG: 30E																								
		TD 7010		PBD	KB																								
					DF																								
				GL	3688																								
		POOL		PERFS 6932-6952																									
		JACKSON; ABO		Open Hole																									
		POOL		PERFS 3084-3154																									
		GRAYBURG-JACKSON;7R-Q-GB-SA																											
		POOL		PERFS																									
		TOC 1300 EST																											
		<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 5/8</td> <td>1550</td> <td>700 sxs</td> <td></td> <td>0' CIRC</td> </tr> <tr> <td>PROD</td> <td>4 1/2</td> <td>7010</td> <td>450 sxs</td> <td></td> <td>1300 est</td> </tr> </tbody> </table>				CASING RECORD							SIZE	DEPTH	CMT	HOLE SIZE	TOC	SURF.	8 5/8	1550	700 sxs		0' CIRC	PROD	4 1/2	7010	450 sxs		1300 est
CASING RECORD																													
	SIZE	DEPTH	CMT	HOLE SIZE	TOC																								
SURF.	8 5/8	1550	700 sxs		0' CIRC																								
PROD	4 1/2	7010	450 sxs		1300 est																								
Rustler	360																												
Top Salt	485																												
Base Salt	1200																												
Yates																													
Seven Rvrs	1680	8 5/8 @ 1550' TOC @ 0'																											
Queen	2288																												
Grayburg	2670																												
San Andres	3149																												
					Perfs 3084-3154																								
					BP @ 3300 CAP W/ 10' CMNT																								
Glorieta	4541																												
Yeso	4610																												
Abo Reef	6810																												
					PLUG 6832-6932																								
					Perfs 6909-6920																								
					Perfs 6932-6952 SQZ W/ 90 sxs																								
		4 1/2 @ 7010' TOC @ 1300'			TD 7010'																								

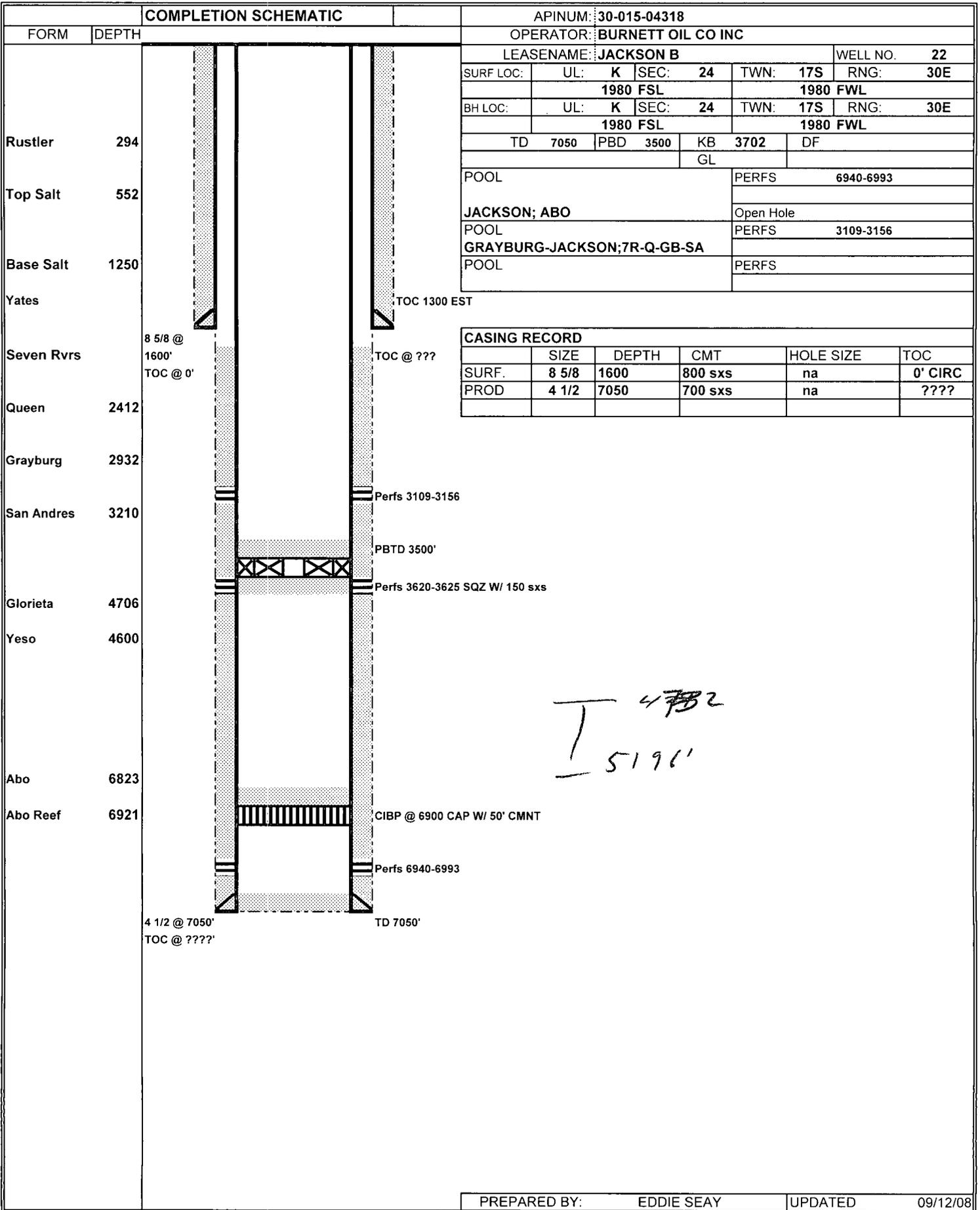
Temp survey TOC @ 6450' PERF 6450 SQZ 350 sxs

4732

5196



**WELLBORE SCHEMATIC AND HISTORY**



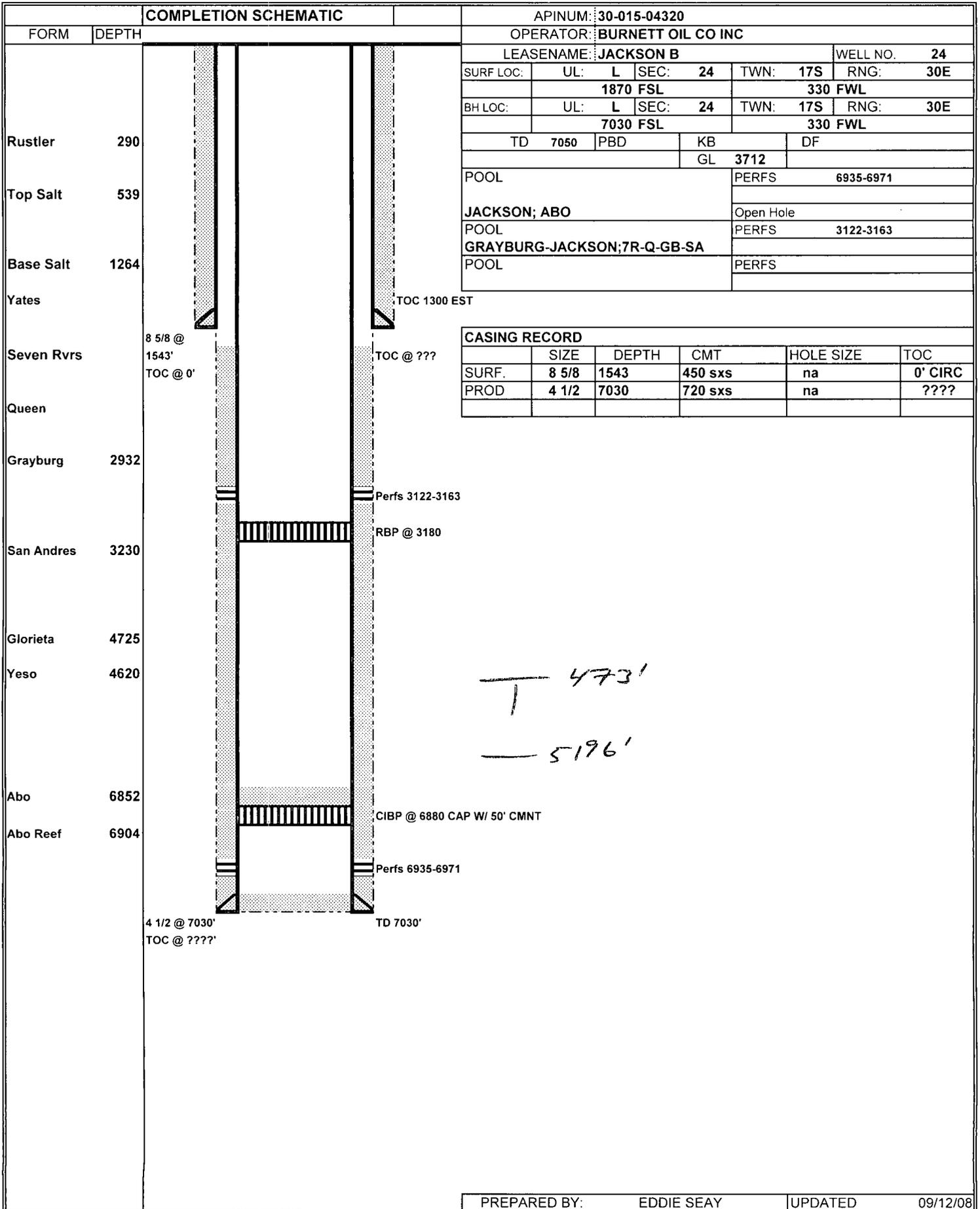
**COMPLETION SCHEMATIC**

FORM	DEPTH
Rustler	294
Top Salt	552
Base Salt	1250
Yates	
Seven Rvrs	
Queen	2412
Grayburg	2932
San Andres	3210
Glorieta	4706
Yeso	4600
Abo	6823
Abo Reef	6921

APINUM: 30-015-04318	
OPERATOR: BURNETT OIL CO INC	
LEASENAME: JACKSON B	WELL NO. 22
SURF LOC: UL: K SEC: 24 TWN: 17S RNG: 30E	1980 FSL 1980 FWL
BH LOC: UL: K SEC: 24 TWN: 17S RNG: 30E	1980 FSL 1980 FWL
TD 7050 PBD 3500 KB 3702 DF	GL
POOL JACKSON; ABO	PERFS 6940-6993
POOL GRAYBURG-JACKSON;7R-Q-GB-SA	Open Hole
POOL	PERFS 3109-3156
POOL	PERFS

CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	8 5/8	1600	800 sxs	na	0' CIRC
PROD	4 1/2	7050	700 sxs	na	????

# WELLBORE SCHEMATIC AND HISTORY





**WELLBORE SCHEMATIC AND HISTORY**

COMPLETION SCHEMATIC		APINUM: 30-015-34864	
FORM	DEPTH	OPERATOR: BURNETT OIL CO INC	
		LEASENAME: JACKSON B	
		WELL NO. 44	
		SURF LOC: UL: C SEC: 24 TWN: 17S RNG: 30E	990 FNL 2310 FWL
		BH LOC: UL: C SEC: 24 TWN: 17S RNG: 30E	990 FNL 2310 FWL
		TD 5230 PBD 5180 KB DF	GL 3722
		POOL	PERFS 4695-4996
		CEDAR LAKE; YESO	
		POOL	PERFS
		POOL	PERFS
Rustler	275		
Top Salt	526	9 5/8 @ 428'	TOC @ 0'
Base Salt	1235		TOC @ 1050' CBL
Yates			
Seven Rvrs	1716		
Queen			
Grayburg	2716	7 @ 0-3071	
San Andres	3050	4 1/2 @ 4192-4483	
Glorieta	4550		
Yeso	4683		PERFS 4695-4996
		6 1/2 Drill collar 4483-5230	TD 5502'

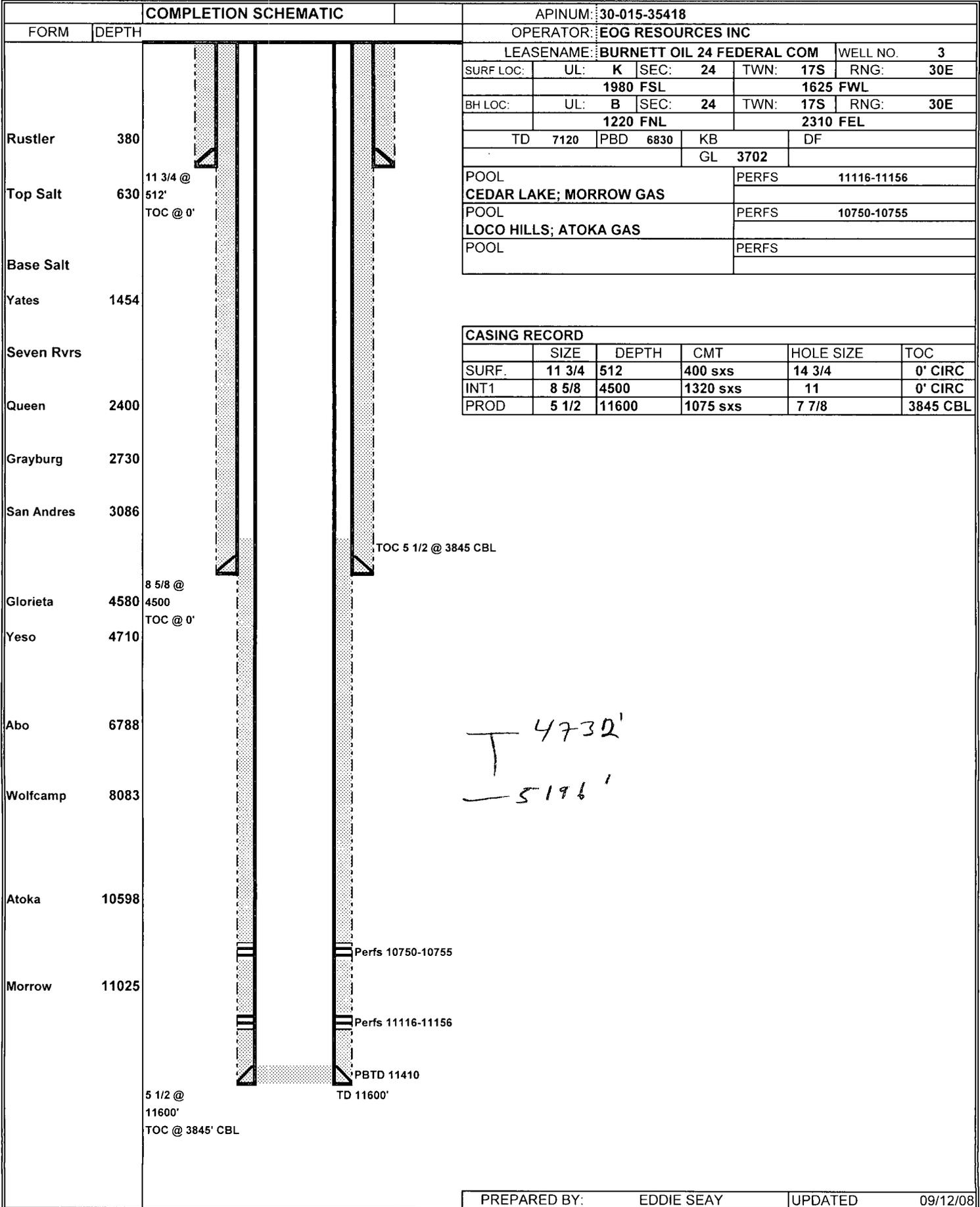
CASING RECORD					
	SIZE	DEPTH	CMT	HOLE SIZE	TOC
SURF.	9 5/8	428	600 sxs	12 1/4	0' CIRC
PROD	7	0-4192		8 3/4	
PROD	4 1/2	4192-4483	1000 sxs	8 3/4	
PROD	6 1/2	4483-5230		8 3/4	1050' CBL

4732'

5196'

**WELLBORE SCHEMATIC AND HISTORY**



Engineering Statement  
Jackson B #46  
Application for Saltwater Disposal

This well was drilled to further delineate the oil to water transition in the Yeso/Paddock formations. A mud log was run while drilling and indicated no appreciable hydrocarbon shows. Open hole electric logs were run which confirmed the findings of the mud log. Consequently, the decision was made to complete the well as a saltwater disposal well instead of an oil producer.

The Yeso/Paddock formation is dipping to the south, and the dominant fracture orientation is east to west, as is most of the Permian Basin. The nearest producing wells to the east and west are over one half mile away. Injecting produced water into this wet interval will not cause any damage to any producing wells.

New Mexico Office of the State Engineer  
POD Reports and Downloads

Township: 17S Range: 30E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last)  Non-Domestic  Domestic  
 All

AVERAGE DEPTH OF WATER REPORT 07/09/2008

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg

No Records found, try again