

# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

January 4, 2005

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

Arena Resources, Inc. 4920 S. Lewis Suite 107 Tulsa, Oklahoma 74105

Attention;

Mr. Phillip W. Terry

Re:

Form C-108

East Hobbs SA Unit Waterflood Project

Lea County, New Mexico

Dear Mr. Terry:

I have reviewed your recent application to covert five wells to injection within the East Hobbs San Andres Unit Waterflood Project. Everything appears to be in order; however, there is missing data with regards to the following-described plugged and abandoned wells:

Velma Petroleum Carper Drilling Aurora Gas Co. Bowers Federal No. 1 Bowers Federal No. 2

Charles Browning No. 1

Unit I, Section 25, T-18S, R-39E Unit P, Section 25, T-18S, R-39E Unit E, Section 29, T-18S, R-39E

Aurora Gas C Texland

Bailey No. 4

Texas

Please provide schematics showing all plugging detail for the wells listed above. Your application will be processed when this information is received.

If you should have any questions, please contact me at (505) 476-3466.

Sincerely,

David Catanach Engineer



4920 S. Lewis, Suite 107 Tulsa, Oklahoma 74105 Phone (918) 747-6060 FAX (918) 747-7620

January 12, 2005

RECEIVED

Mr. David Catanach

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

JAN 1 9 2005

OIL CONSERVATION
DIVISION

Re:

Form C-108

East Hobbs San Andres Unit Waterflood Project

Lea County, New Mexico

Dear Mr. Catanach:

Enclosed please find plugging information you requested in your letter of January 4, 2005. The information pertains to the following wells:

Bowers Federal No. 1

Unit I, Sec.25-18S-39E

Bowers Federal No. 2

Unit P, Sec.25-18S-39E

Charles Browning No. 1

Unit E. Sec.29-18S-39E

Bailey No. 4

Gaines County, Texas

Plugging reports and wellbore diagrams are submitted for the Bowers Federal No. 1, Charles Browning No. 2, and the Bailey No. 4. Plugging information could not be found for the Bowers Federal #2. The well was plugged but the report is not on file with the NMOCD, New Mexico Bureau of Geology and Mineral Resources, NMOCD archives, IHS Energy, or other commercial data sources. A wellbore diagram of the Bowers Federal #2 was prepared by Arena and is enclosed.

Please contact this office should you require additional information. Arena Resources, Inc. thanks you in advance for the timely processing and approval of the East Hobbs San Andres Unit injection application.

Sincer

Phillip **W**. Terry

Petroleum Engineer



### NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON** 

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Mark E. Fesmire, P.E. Director

January 4, 2005

Oil Conservation Division

Arena Resources, Inc. 4920 S. Lewis Suite 107 Tulsa, Oklahoma 74105

Attention:

Mr. Phillip W. Terry

Re:

Form C-108

East Hobbs SA Unit Waterflood Project

Lea County, New Mexico

Dear Mr. Terry:

I have reviewed your recent application to covert five wells to injection within the East Hobbs San Andres Unit Waterflood Project. Everything appears to be in order: however, there is missing data with regards to the following-described plugged and abandoned wells:

WELLBORG DIAGRAMS

Velma Petroleum Carper Drilling

Bowers Federal No. 1 Bowers Federal No. 2 Unit I, Section 25, T-18S, R-39E 30-025 - 014010 Unit P, Section 25, T-18S, R-39E 30-- 025 - 07402

Aurora Gas Co.

Unit E, Section 29, T-18S, R-39E ? 30-025-07942 Charles Browning No. 1

Texland

Bailey No. 4

Texas

42-165-01230

Please provide schematics showing all plugging detail for the wells listed above. Your application will be processed when this information is received.

If you should have any questions, please contact me at (505) 476-3466.

Sincerely,

David Catanach

Engineer

Elevation: GL3623'

ORIGINAL OPERATOR: Velma Petroleum

**SPUDDED:** 12/07/1953 **IP:** 180 BOPD 80BWPD

8-5/8" 24# csg @ 1895' w/900sx of cmt

#### **TREATMENT HISTORY:**

Perf 4426-4493, 1250 gal acid type A

Ran

25 sks. Cmt on bottom

25 sks. Cmt at stub of 5 1/2" -2520'

25 sks. Cmt at 1850-1950'

10 sks. Cmt at surface

Hole filled with mud between plug

5 1/2' 14# csg @ 4426' w/120 sx cmt

### ARENA RESOURCES, INC.

#### **Bowers Federal #1**

LEA County, New Mexico

1650'FSL 330' FEL Sec 25, T18S, R38E

API NO.: 30-025-07401

#### **TUBING RECORD:**

No record

**ROD STRING RECORD:** 

#### **PUMP RECORD:**

**PUMPING UNIT:** 

Perf 4426-4493

Orig. PBTD:

TD: 4493'

PREPARED BY: HK 01//10/05

# TED STATES DEPART TOF THE INTERIOR

SUBMIT IN TRIPE CATE+
(Other instruction of re-

Form approved.
Budget Bureau No. 42-B1426
LEASE DESIGNATION AND SERIAL NO.

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	GEOLOGICAL SURVEY	710	2 = 4C 03223(b)
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Use "A	PPLICATION FOR PERMIT—" for such proper	osals.)	<u> </u>
			7. UNIT AGREEMENT NAME
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MAME OF OPERATOR			.8. PARM OR LEASE NAME
Leroy Wise	(Velma Petroleum Corpo:	ration)	Federal Bessers
ADDRESS OF OPERATOR			95 WELL NO.
Box 1955, Hobbs, E	me Merrian SECLA		
	cation clearly and in accordance with any Sta	te requirements.	10. BIELD AND POOL, OR WILDCAT
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FRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING CASING
		-	<del></del>
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT
REPAIR WELL	CHANGE PLANS	(Other)	ts of multiple completion on Well
(Other)		Completion or Recom	pletion Report and Log form.)
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Hole filled with me	ud between plugs.		
			<u>9-4-1-5</u> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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	January Miller		
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SIGNED	hness TITLE	· •	DATE at the state of the state
	with the second		May 24, 1708
(This space for Rederal or St	tate office use)		
APPROVED BY	TITLE	- Dil	for a man
CONDITIONS OF APPROVA			WAR -

Elevation: GL3621' ARENA RESOURCES, INC. ORIGINAL OPERATOR: Velma Petroleum **SPUDDED:** 01/02/1954 **Bowers Federal #2** IP: BOPD BWPD LEA County, New Mexico 990'FSL 330' FEL Sec 25, T18S, R38E API NO.: 30-025-07402 8-5/8" 24# csg @ 1890' w/1000sx of cmt **TUBING RECORD:** No record **ROD STRING RECORD: TREATMENT HISTORY: PUMP RECORD:** Interval 4479-4495, 500 gal acid type A **PUMPING UNIT:** Perf 4479'-4513' 5 1/2' 14# csg @ 4479' w/120 sx cmt

> Orig. PBTD: TD: 4513'

PREPARED BY: HK 01//10/05

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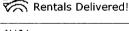
# Equifax Credit Watch™, Now with wireless alerts. Try it FREE for 30-Days.

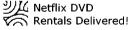
**Addresses** ▼ Notepad Mail Calendar Mail Upgrades - Mail Options Search the Web **Check Mail** Compose Search Mail Printable View Previous | Next | Back to Messages **Folders** [Add - Edit] **Delete** Forward Spam Inbox (3) Draft This message is not flagged. [ Flag Message - Mark as Unread ] Sent Tue, 11 Jan 2005 13:24:04 -0700 Date: Bulk [Empty] "Ron Broadhead" <ron@gis.nmt.edu> 🙌 Add to Address Book From: Trash [Empty] "henry konan" <alkohen75@yahoo.com> To: My Folders [Hide] CC: bureau@gis.nmt.edu

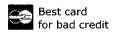
What's your Credit Score? See it FREE!

TONTON

 ${\mathcal L}$  Netflix DVD







Hi Henry

We have a well record for a Carper Drilling No. 2 Bowers Fede

Section 25 T18S R38E. There is no Section 25 T18S R39E, as th location

would be across the state line in Texas.

Subject: Re: \*\*\*\*SPAM\*\*\*\* plug-in data for Bowers federal # 2

The well we have record for had a TD of 4513 ft in the San An Formation. It was completed January 23, 1954 and drilled with tools. 8 5/8 in casing was set at 1890 ft. 5 1/2 in casing wa 4479 ft. The well was swabbed dry from 4479 to 4495 ft with n water-bearing zone was reported from 4493 to 4495 ft in the S The well was P&A'd. We have no record of the exact plugging m

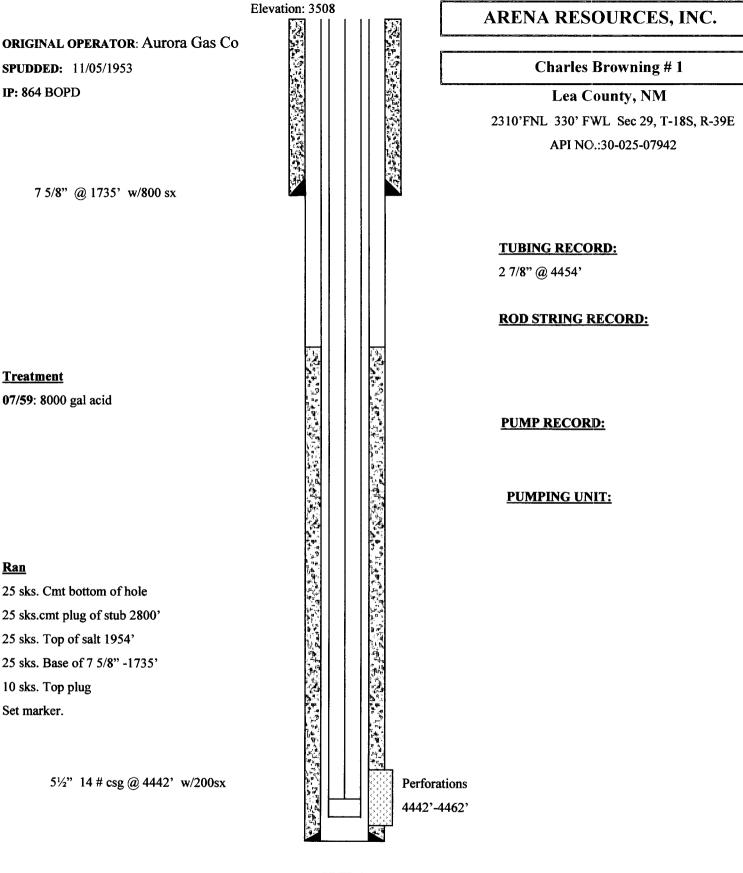
Hope this provides you with the information you need.

Sincerely,

Ron Broadhead New Mexico Bureau of Geology and Mineral Resources

henry konan wrote:

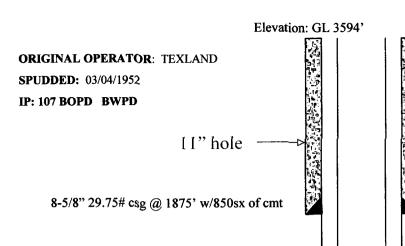
- > Hi ron.
- > My name is henry konan and i work for Arena resources



PBTD:'
TD 4462'

NO. OF COPIES RECEIVED		Form C-103
DISTRIBUTION	HOED COLLINS OF S	Supersedes Old C-102 and C-103
SANTA FE	NEW MEXICO OIL CONSERVATION COMMISSION:	Effective 1-1-65
FILE	May 20 0 114 100	
U.S.G.S.	May 20 9 14 M *68	5a. Indicate Type of Lease
LAND OFFICE		State Fee X
OPERATOR		5. State Oil & Gas Lease No.
SUNDR (DO NOT USE THIS FORM FOR PRE USE "APPLICAT	RY NOTICES AND REPORTS ON WELLS  DEPOSALS TO DEILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  TION FOR PERMIT _** (FORM C-101) FOR SUCH PROPOSALS.)	7. Unit Agreement Name
OIL TO GAS WELL WELL	OTHER-	
2. Name of Operator	. The state of the	8. Farm or Lease Name
Hartindale Petr	oleum Corporation	June Speight
3. Address of Operator		9. Well No.
Box 1955 Ho	Ubs. New Mexico 88240	3
4. Location of Well	DODE 1:ON TRANSCO COMPA	10. Field and Pool, or Wildcat
UNIT LETTER	2310 FEET FROM THE North LINE AND 330 FEET FROM	Hobbs San Andres East
UNIT ESTICK	FEET PROM THE	
THE Sect	ON 29 TOWNSHIP 160 RANGE 39E NMPM	
	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
		Lea
16. Check	Appropriate Box To Indicate Nature of Notice, Report or Ot	
		T REPORT OF:
70.102 0. 1.	3055540514	1 1121 011 01 .
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT JOB	<del>'                                    </del>
	OTHER	
OTHER		
work) SEE RULE 1103.	perations (Clearly state all pertinent details, and give pertinent dates, including	g estimated date of starting any proposed
25 sks. tor of	2 plug of stub 2800° Salt 1956° 2 7 5/8° , 1735° ag	
167 Wils. lease or	ude for fishing.	
Set marker.		

18. I hereby certify that the information above is true and complete the second	lete to the best of my knowledge and belief.  TITLE	DATE - 10 10 1958
APPROVED SOLE H. Semente CONDITION OF APPROVAL, IF ANY:	TITLE	SATE



#### **TREATMENT HISTORY:**

Interval 4440-4459, 1500 gal acid type A

6 3/4" hole

P&A	data

	Plug # 1	Plug # 2
Cementing date:	3/7/00	3/7/00
Size of pipe	5 ½"	5 ½"
Depth to bottom of pipe	2440'	0
Sack of cmt used	20	500
Slurry vol pumped (cu.ft)	26.4	660
Calculated top of plug	2253'	Surface
Slurry wt. #/gal	14.8	14.8
Γype of cement	C	C

5 1/2' 15.5# csg @ 4459' w/900 sx cmt

### ARENA RESOURCES, INC.

#### BAILEY#4

#### Gaines County, Texas

400'FNL 4110' FEL Sec 6, Blk-A-10, PSL survey
API NO.: 42-165-01230

#### **TUBING RECORD:**

No record

#### **ROD STRING RECORD:**

#### **PUMP RECORD:**

#### **PUMPING UNIT:**

Perf 4440'-4459'

Orig. PBTD:

TD: 4530'

PREPARED BY: HK 01//10/05

Plugging Record

# RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

FORM W-3 Rev. 10/78

29.75									42	<u>?</u> –				
FILE IN DUPLICATE WITH DISTRICT OFFICE OF DISTRICT IN WHICH  WILL IS LOCATED WITHIN THIRTY DAYS AFTER PLUGGING  2. FIELD NAME (as let REC Revocit)    Hobbs   East Column   Hobbs   Ho								ΛÎ.	I NO.	165-6	1230	) 1		iot
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Hobbs Least (1940)   Sea Organis From W-1 Filed in Name of   10. County	2. FIELD NAME (as per RI	C Records)		3.	Leas	• Инда		<del></del>				- <del>-</del> 5.		
T. ADDRESS   Companies   Com	Hobbs, East	144CC	2)_	1	Eas	t Hobbe	s SW	D				1		
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19. Computing Date 20. Size of Hole or Pipe in which Ping Placed (inches) 5								<u> </u>				<u> </u>	3/7/20	<u> </u>
20. Size of thole or Pipe in which Ping Placed (inches)  21. Death to Bottom of Tubing or Brill Pipe (ft.)  22. Seaks of Coment Used (each ping)  20. 500  21. Start of Coment Used (each ping)  22. Seaks of Coment Used (each ping)  23. Seaks of Coment Used (each ping)  24. Calculated Top of Ping (ft.)  25. 4 660  26. Calculated Top of Ping (ft.)  27. Type Coment  28. Start W. # (full.)  27. Type Coment  28. CASING AND TUBING RECORD AFTER PLUGGING  28. Start W. # (full.)  29. Type Coment  29. CASING AND TUBING RECORD AFTER PLUGGING  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  29. Type Coment  29. Type Coment  29. Type Coment  29. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing) Left in Tubing Well.  20. Was any Non-Drillable Material (Other Lance Casing		AND ABAND	ON DATA					C#3	PLUG #4	PLUG	#5 PLL	IG # 6	PLUG #7	PLUG #
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and briefly describe non-drillable material. (Use Reverse Side of Form if more space is needed.)  12 15.5 4459 4459 4469 634 Buker Loc - Set packer w/twbry 5tub  13 LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS  PROM 6459 TO 4530 OH FROM TO  FROM 3241 TO 4530 OH FROM TO  FROM TO FROM TO  I have knowledge that the completions, as reflected by the information found on this form, were performed as indicated by such information. Designates from to be completed by Comenting Company. Hems not so designated shall be completed by Operator.  PLAY Service Supervisor  CENTIFICATE:  I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorised to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the heat of my knowledge.	<del></del>				ZE((a						daneh e	a ton c	<del></del>	<u> </u>
Buker Loc - Set Packer w/ tabing Stub  top at 2485.  Brow 4459 To 4530 OH FROM TO  FROM TO FROM TO  FROM TO FROM TO  FRO				17		an								
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I declare under penalties prescribed in Sec. 91.143, Toxos Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the heat of my knowledge.	- (Z	III DE Kapres	BU4811A+			Мал	• et C	. <b>e</b> ment	Ing Compa	in y				
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Surah Bennett 186 July 3/27/2000 Phone 877 336-28	to the heat of my ki	nowledge,												
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1. Was Well filled wit according to the re Railroad Commissi	th Mud-Laden Fivid, egulations of the lon	Y45 32. 110	w was Mud Applied?		33. Mud Weight LB8/G
4. Total Depth	Other Fresh Water 2	ROTTOM	35. Have all Abandoned Wells on according to RRC Rules?	this Leass been Plugged	Yes No
			36. If NO, Explain	- 17/10	
Depth of Despent					
Fresh Water			•		
			1		
. Name and Address	of Committing or Serv	rice company who m	ixed and pumped coment plugs in this	well Date R	RC District Office
				notified	of plugging
Names and Address	ses of Burlace Owner	of Well Site and Or	ersions of Offast Producing Leases		
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, Was Notice Given	Before Plugging to E	eat of the Above?			
LL IN BELOW FO	R DRY HOLES ON	LY	7 11 4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7/2	
). For Dry Holes, this released to a Count	is Form must be accommoraled Log Service.	mpanied by either a	Drillur's, Electric, Radioactivity or A	icountical/Sania Log of a	ouch Log must be
La	eg Attached	Log released to		Date	·
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		···	74	<del></del>	
•	inged prior to Pluggin		bbla*		
File FORM P-1 (					••
RRC USE ONLY	Oll Production Rapor	C) for month this off	Was produced	· · · · · · · · · · · · · · · · · · ·	
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