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12/11 DATE IN	106 JUSRENS	SE DIGINEER LOGGED IN TYPE SWD APP NO. DTDS 0634632524
	 	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
тн	IS CHECKLIST IS M	ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Applic	[DHC-Down [PC-Po	s: ndard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] nhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] ol Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] lified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF AP [A]	PLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication NSL NSP SD
	Check [B]	One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
	[D]	Other: Specify
[2]	NOTIFICAT [A]	ION REQUIRED TO: - Check Those Which Apply, or Does Not Apply 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
[3]		CURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE ATION 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.

Print or Type Name

Signature

Title

Date

e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

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	FOR	M	C-108
Revised	June	10,	2003

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenar Application qualifies for administrative approval? Yes	nceX_ No	Disposal	Storage
II.	OPERATOR:Ray Westall			
	ADDRESS: _ P.O. Box 4 Loco Hills, New Mexico 88255			
	CONTACT PARTY:Randall L Harris		PHONE: _505.	677.2370
III.	WELL DATA: Complete the data required on the reverse side of this form for each Additional sheets may be attached if necessary.	h well propos	sed for injection.	
IV.	Is this an expansion of an existing project? Yes XNo 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 i drawn around each proposed injection well. This circle identifies the well's area of		l with a one-half m	ile radius circle
VI.	Attach a tabulation of data on all wells of public record within the area of review we Such data shall include a description of each well's type, construction, date drilled, schematic of any plugged well illustrating all plugging detail.	which penetra location, dep	pff reford of com	olytion, vid a
VII.	Attach data on the proposed operation, including:		DEC	1 1.2006
	 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 th produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at o chemical analysis of the disposal zone formation water (may be measured or in wells, etc.). 	e receiving f r within one	Oil Conse 1220 S. S formation if other to mile of the propos	rvation Division Francis Drive frantie Drive frantie Drive f
*VIII.	. Attach appropriate geologic data on the injection zone including appropriate lithol depth. Give the geologic name, and depth to bottom of all underground sources of total dissolved solids concentrations of 10,000 mg/l or less) overlying the propose known to be immediately underlying the injection interval.	drinking wa	ter (aquifers conta	ining waters with
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 Div	ision, they need no	t be resubmitted).
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if av injection or disposal well showing location of wells and dates samples were taken.	ailable and p	producing) within o	one mile of any
XII.	Applicants for disposal wells must make an affirmative statement that they have ex data and find no evidence of open faults or any other hydrologic connection betwe 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 i and belief.	s true and co	orrect to the best of	my knowledge
	NAME:Randall L HarrisTITL	LE:Geol	ogist	
	SIGNATURE:	DAT	E:19/9/06	
	E-MAIL ADDRESS:rharrisnm@netscape.net If the information required under Sections VI, VIII, X, and XI above has been previ- Please show the date and circumstances of the earlier submittal:	-	itted, it need not be	

Side 2

1

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.

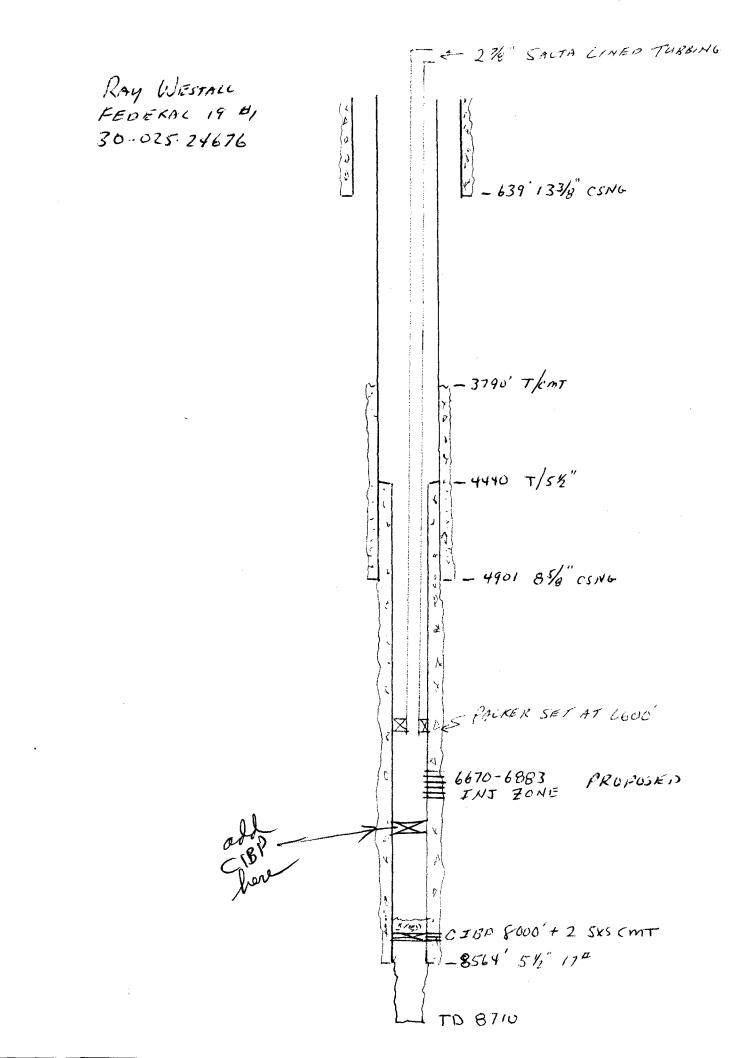
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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.

ۍ ۲ ЪĴ Ъ3 Method Determined: _Circulated___ Method Determined: Top of 5 1/2" RANGE 34 E Method Determined: __Temp__ feet to 6883' Perforated Casing Size: 13 3/8" Casing Size: 8 5/8" WELL CONSTRUCTION DATA Casing Size: 5 1/2_ (Perforated or Open Hole; indicate which) TOWNSHIP 23 S Intermediate Casing **Production Casing** Injection Interval Surface Casing 5 01 5 SX. SX. SECTION SX. 19 Cemented with: 450 + 100Top of Cement: _____Surface__ Top of Cement: 4440' Top of Cement: 3790' Cemented with: 300 Hole Size: $17 \frac{1}{2}$ Cemented with: 425_ Hole Size: 7 7/8" Total Depth: 8569'. Hole Size: ___11"_ 6670' UNIT LETTER SHIW Xisat 205 5153-5166 SAZ 50 X FOOTAGE LOCATION CIBO (400 + 2 SKS CMT WELL NAME & NUMBER: Federal 19 No.1 - 639 133/ CSNG WELL LOCATION: __660' FNL & 660' FEL. - 4901 8% CSNE WELLBORE SCHEMATIC 5205-06)-8524' 51 172 -4440 T/SE - 3790' TKAT 6670-6883 INI ZONE TO 8700 əitti OPERATOR: Ray Westall 22370

Side 1

INJECTION WELL DATA SHEET



	INJECTION WELL DATA SHEET
	Tubing Size: 2 7/8" Lining Material: Plastic (Salta)
Ty	Type of Packer: Loc-Sec
Pa	Packer Setting Depth:6600"
ð	Other Type of Tubing/Casing Seal (if applicable):
	<u>Additional Data</u>
·	Is this a new well drilled for injection? Yes X_No
	If no, for what purpose was the well originally drilled? Oil
i,	Name of the Injection Formation: Delaware
Э.	Name of Field or Pool (if applicable):N.Bell Lake Delaware
नं	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. P 8564-8710 CIBP 8000' + 2 sxs cmt
	P 5205-06 sqz w/40 sxs, p5153-5166 sqz w/50 sxs
5.	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: <u>Strawn 11,500</u> , Morrow 13,000

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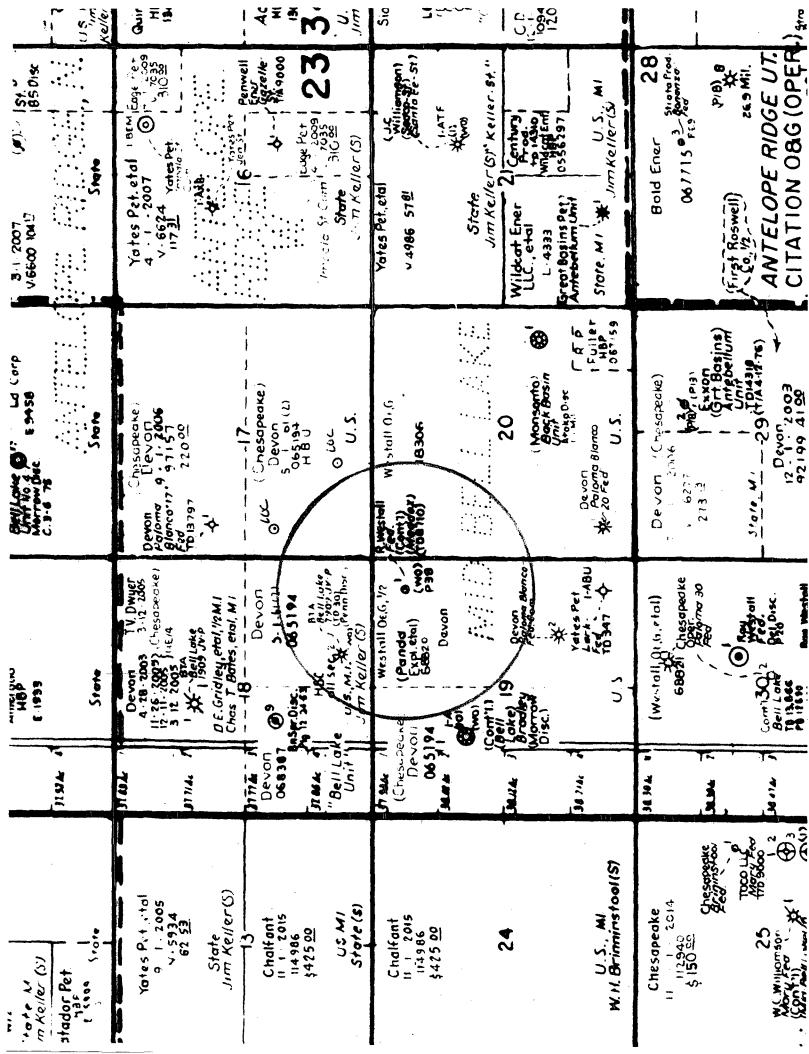
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ATTACHMENT V

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Maps that identifies all wells of public record within two miles of each proposed injection well, and the area of review one-half mile radius around each proposed injection well.



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ATTACHMENT VI

Data on all wells of public record within the area of review. There are no plugged wells that penetrated the proposed injection zone within the area of review.

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WELL NAME	LOCATION	SPUD DATE	SUR.CASING	INT.CASING	PROD. CASING	COMPLETION
BTA Bell Lake, 7909 JV No.2	SWSE Sec 18 T23S-R34E	10/30/2003	13 3/8" @ 1005 ['] 1000 sxs Circ.	9 5/8" @ 5010' 1500 sxs Circ	7" @ 11800' 750 sxs T/753' Bond	8243-8257' Wildcat ?
					Liner	
					5" 11327-13626'	12979-13006

13009-13020' 11815-11835'

250 sxs

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BTA BELL LAKE 7909 JV-P #2 30-025-34827 them 753' TEMP 1005 132/8 1000 SXS CIRC 5010' 95%" 1500 SXS CIRC 6650-18805 APPROX INS INTERVAN IN FED 19 #1 PERF 8243-8257 BONESPRINGS 11300' CIBP 11327' 7/5" CIBP + 40 CMT 11800 7' 750 5x5 T/153 11815-35 12979-13020 13626 5" 250 Sx5

ATTACHMENT VII

- 1. Proposed average of 300 bbls per day and maximum of 600 bbls per day of injected fluids. At a rate of one bbl per minuet.
- 2. System will be closed.

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- 3. Average anticipated pressure of 500 psi and a maximum of 1000 psi.
- 4. Source of produced water is reinjected produced water from offsetting leases of the same formation.
- 5. Water analysis: Ray Westall Federal 30 #2 7335-45' Delaware Sp. Gravity 1.125 @ 74 Resistivity .07 @ 74 pН 7 Sulfate 1240 Iron Good/Good Bicarbonate 2135 Hardness 45000 Chloride 110000 Sod Chloride 180950 Calcium 12000 Magnesium Sod & Pot 52072 3654

ATTACHMENT VIII

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The proposed injection zone is a fine grained sand in the Delaware Formation. It has several sands with varying thickness. There is possible drinking water overlying the injection in the surface sands at a depth of 0-650'. There is no known source underlying the injection interval.

ATTACHMENT IX

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No proposed stimulation.

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ATTACHMENT XI

There is no fresh water wells located within one mile of the proposed disposal well.

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ATTACHMENT XII

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All available geologic and engineering data have been examined and there is no evidence of open faults or any other hydrologic connection between the disposal zone and any source of drinking water.

ATTACHMENT XIV

PROOF OF NOTICE

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Leasehold operators within one-half mile of the well location are: Devon, Chesapeake and BTA. Each of the operators were provided a copy of our application by certified mail. Proof of notice is enclosed. The surface owner is the United States (BLM).

PROOF OF PUBLICATION

Santa Fe, NM. 87505

Proof of publication is from the Hobbs News-Sun.

Copies of the application have been sent to:

	Certified Mail #
Devon Energy Corp 20 N. Broadway Oklahoma City, OK 73102-8260	7004 2890 0003 2218 5663
Chesapeake Operating Inc P.O. Box 18496 Oklahoma City, OK 73154	7004 2890 0003 2218 5670
BTA 104 S Pecos Midland, TX 79701	7004 2890 0003 2218 5762
BLM 620 E. Greene Carlsbad, NM 88220	
Oil Conservation Division 1625 N. French Hobbs, NM 88140	
Oil Conservation Division 1220 S. St. Francis	

State of New Mexico, County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of

weeks.

Beginning with the issue dated

October 12 . 2006 and ending with the issue dated

1

October 12

- 2006

Publisher

Sworn and subscribed to before

12th me this_ day of

October 2006

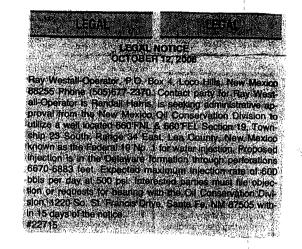
Notary Public.

My Commission expires February 07, 2009 (Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

67100415000 02589049 RAY WESTALL OPERATING P.O. BOX 4 LOCO HILLS, NM 88255



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	PS.Form 3800. June 2002 U.S. Postal Service The CERTIFIED MAIL (Domestic Mail Only; No Insurance Coverage Provided) For delivery information visit our website at www.usps.com
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]	Certified Fee 2.40 Return Receipt Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Total Postage & Fees \$3.51
1	Sent TO HESAPEAICE OPERATIVE Street, Apt. No.; or PO BOX NO. P. O. BOX 18496 City, State, ZIP+4 OICLAHOMA CITY, OK 73157 PS Form 3800. June 2002 See Reverse for Instructions: U.S. Postal Service TM
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	Sent To Street, Apt. No.; or PO Box No. 104 S. DECUS City, State, ZIP+4 MIDLAND, TX 79701 PS Form 3800, June 2002 See Reverse for Instructions

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INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and lenses to either a Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal number of copies of all currently uvallable logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached by applicable Federal and/or State laws and regulations. All attachments abound be issued on this form, see item 36. It has a provided by applicable Federal and/or State laws and regulations. All attachments abound be described in accordance with regulations. All attachments abound be its on the state area of regulations. All attachments abound be instructions on the state required beer to be the issue of this summary record is submitted, it to be attached by applicable Federal and/or State laws and regulations. All attachments abound be its on this summery record is submitted in accordance of the pressure tests and for the state required by applicable Federal and for analysis, all types electric, etc.), formation and pressure tests and directional surveys, should be described in accordance with Federal requirements. Consult loral State areas abound be described in accordance with requirements.

Here 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Here 22 and 24: If this well is completed for suparate production from more than one interval zone (multiple completion), so state in item 24 show the producting interval, or intervals, top(s), bottom(s) and mame(s) (if any) for only the interval zone (multiple completion), so state in item 22, and in item 24 show the producting interval, or intervals, top(s), bottom(s) and mame(s) (if any) for only the interval zone (multiple separate report (page) on this form, adequately identified, for each udditional interval to be separately produced; showing the additional data perimetry interval.

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14. PERMIT NO.	15. ELEVATIONS (Show whether D	F, RT, GR, etc.)	Sec. FI T-2: 12. COUNTY OB PARIS	55 <u>E-34E</u>
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(Other) 17. DESCRIBE PROPOSED OR COMPLETED proposed work. If well is dir nent to this work.) *	OPERATIONS (Clearly state all pertine) rectionally drilled, give subsurface locs	Completion or Recom	pletion Report and Log i	form.) ate of starting any
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P. O. Box 460, Ho	bbs, N.M. 88240		6 (1)/	9. WELL NO.	
4. LOCATION OF WELL (Report	t location clearly and in accorda	auce with any State	requirements.*	10. FIELD AND POOL	OR WILDCAT
See also space 17 bélow.) At sugface		* .	. ،	11. SEC., T., B., Y., O	unter
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Jones, William V., EMNRD

From:	Jones, William V., EMNRD
Sent:	Thursday, December 14, 2006 10:12 AM

To: 'rharrisnm@netscape.net'

Cc: Williams, Chris, EMNRD; Ezeanyim, Richard, EMNRD

Subject: SWD Application: Federal 19 #1 API No. 30-025-24676

Hello Mr. Harris:

After reviewing your application, we have the following comments and requests:

1) Send proof that you noticed the BLM concerning this - ie copy of your intention sundry to them, etc.

2) Send a "post conversion" wellbore diagram

3) Send a wellbore diagram of BTA's Bell Lake No. 2 located in Unit O of Section 18 showing all cement tops and whether cement covers this intended injection interval.

4) We will include a requirement to set a plug below the injection interval within 200 feet.

Comments:

For future applications, include the API number of the intended injection well and all wells involved.

Be sure and check if there are any windmills within 1 mile of your location, if so, send a fresh water analysis for our files.

Devon's intended Morrow well in Unit A of Section 19 has a planned cement top of only 6000 feet. Your notice to the BLM and to Devon should ensure the planned cement is adequate. If, for some reason, Devon does not cover your injection interval and they have bradenhead flows, then you will be out of compliance with the OCD rule requiring the injection interval to be isolated.

Thank You,

William V. Jones Engineering Bureau Oil Conservation Division Santa Fe



Ray Westall Operating, Inc.

Independent Oil Producer Post Office Box 4 Loco Hills, New Mexico 88255 PH. 505-677-2370 • FAX 505-677-2361

December 18, 2006

Oil Conservation Division 1220 S. St. Francis Santa Fe, NM 87505

Attn: William V. Jones

RE: SWD Application Federal 19 #1 API 30-025-24676

Dear Mr. Jones

In reply to your E-mail dated Dec 14, 2006, you will find enclosed:

- 1) Copy of the Sundry Notices sent to the BLM
- 2) Wellbore diagram "post conversion"
- 3) Wellbore diagram of BTA's Bell Lake No. 2 showing all cement tops.

Devon's intended Morrow well in Unit A of section 19 has expired. If they renew the application we will inform the BLM of the necessity of cement across the injection interval.

I physically inspected the area around the well and found no windmills and checked on the State Engineers web site and they list none within one mile.

Randall L. Harris

Geologist Ray Westall Operating

Do not use	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT Y NOTICES AND REPORTS ON WELLS this form for proposals to drill or to re-enter an well. Use Form 3160-3 (APD) for such proposals.	FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007 5. Lease Serial No. A.M. 68820 6. If Indian, Allottee or Tribe Name
SUBMIT IN T	RIPLICATE- Other instructions on reverse side.	7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well 2. Name of Operator RAY 3a Address	3h Phone No (include area code)	8. Well Name and No. <i>FEDERAL</i> 19 #1 9. API Well No. <i>30-025-24676</i>
	Locs HILLS IN SUS 677-2370 c., T., R. M. or Survey Description) E 660'FEL SEC 19 T 235- R 34E	10. Field and Pool, or Exploratory Area <u>N. BELL LAKE DELAWARE</u> 11. County or Parish, State LEA, NEW MEXICU
12. CHECK	APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE,	REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent Subsequent Report Final Abandonment Notice	Acidize Deepen Production (S Alter Casing Fracture Treat Reclamation Casing Repair New Construction Recomplete Change Plans Plug and Abandon Temporarity A Convert to Injection Plug Back Water Dispose	Well Integrity Other
If the proposal is to deepen Attach the Bond under which following completion of the	leted Operation (clearly state all pertinent details, including estimated starting date of lirectionally or recomplete horizontally, give subsurface locations and measured and t h the work will be performed or provide the Bond No. on file with BLM/BIA. Require involved operations. If the operation results in a multiple completion or recompletion Final Abandonment Notices shall be filed only after all requirements, including recla ady for final inspection.)	rue vertical depths of all pertinent markers and zones. ired subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once
6670-6883	DELAWARE RM C-108 FILED	THRU EXISTING PERF

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) ANDALL ANCRUS	(FEOLU GIST	
Signature Date	12/13/06	······································
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 States any false, fictitious or fraudulent statements or representations as to anymatter within	knowingly and willfully to make to a its jurisdiction.	any department or agency of the United

(Instructions on page 2)

Inactive Well List

Total Well Count:227 Inactive Well Count:2 Since:10/10/2005

Printed On: Wednesday, January 03 2007

District	API	Well	ULSTR	OCD Unit	OGRID	Operator	Lease Type	Well Type	Last Production	Formation/Notes	Status	Days in TA
1	30-025-35340	POLEWSKI FEDERAL #002	C-31-19S-32E	c	18862	RAY WESTALL	F	0	03/2003	DELAWARE		
2	30-015-25361	STATE CG #001	J-7 -18S-28E	J	18862	RAY WESTALL	S	G	11/1995			

WHERE Ogrid:18862, County:All, District:All, Township:All, Range:All, Section:All, Production(months):15

Reguards,

Randall L. Harris Geologist Ray Westall Operating

-----Original Message-----From: William.V.Jones@state.nm.us To: rharrisnm@netscape.net Cc: chris.williams@state.nm.us; richard.ezeanyim@state.nm.us Sent: Wed, 3 Jan 2007 8:12 PM Subject: RE: SWD Application: Federal 19 #1 API No. 30-025-24676

Hello Mr. Harris: Thank you for the prompt reply and the requested information concerning this application.

Concerning the Bell Lake No. 2 located in Unit O of Section 18, the cement top is much higher than cement volume calculations allow - unless there is a DV Stage tool or additional squeeze jobs. Please find out about this and let us know. If our calculations are in error, let us know.

Please obtain copies from the sundry showing this needed data or if no sundrys are available, obtain copies of the data from the operator of the well. i.e. the depth of the DV tool and the volumes pumped above and below the tool. If stages were used, ask the operator for copies of the cement job service report with the pump pressures at the end of each stage, and a copy of the temperature survey and/or bond log.

Thank You,

William V. Jones

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

Check Out the new free AIM(R) Mail -- 2 GB of storage and industry-leading spam and email virus protection.

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Jones, William V., EMNRD

From: rharrisnm@netscape.net

Sent: Wednesday, January 31, 2007 8:37 AM

To: Jones, William V., EMNRD

Subject: Re: SWD Application: Federal 19 #1 API No. 30-025-24676

William:

No contact name since they have not responded. Comapny info:

BTA 104 S. Pecos Midland, TX 79701

(423)682.3753

-----Original Message-----From: William.V.Jones@state.nm.us To: rharrisnm@netscape.net Cc: bryan.arrant@state.nm.us; david.brooks@state.nm.us Sent: Tue, 30 Jan 2007 1:21 PM Subject: RE: SWD Application: Federal 19 #1 API No. 30-025-24676

Randall:

I think we could ask for that data - it should have been on the original reports, but was not apparently reported. If you will let me know a contact person and a company name and address, I will be equipped to send them a letter from this office.

Before I do: I am copying Bryan and David Brooks so they can comment on how this (missing data) should really be handled.

Regards,

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

From: rharrisnm@netscape.net [mailto:rharrisnm@netscape.net]
Sent: Thursday, January 25, 2007 9:53 AM
To: Jones, William V., EMNRD; rharrisnm@netscape.net
Subject: Re: SWD Application: Federal 19 #1 API No. 30-025-24676

William,

I have requested the information from BTA and included a copy of your E-mail. But so far no responce. If I do not here from them, is there any way your office could put some pressure on them to at least release this info to the State?



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary Mark E. Fesmire, P.E. Director Oil Conservation Division

February 2, 2007

Engineering Manager BTA Oil Producers 104 S. Pecos Midland, TX 79701

Re: Casing and Cementing Data Request

Bell Lake 7909 JV Well No. 2 API No. 30-025-34827 SW/4 SE/4, Sec 18, Tsp 23 South, Rge 34 East, NMPM, Lea County, New Mexico

Dear Sir or Madam:

Please send copies of your internal records pertaining to the 7 inch casing and primary cementing job on this well prior to March 15, 2007 to:

Attn: William V. Jones, Engineering Bureau New Mexico Oil Conservation Division 1220 South St. Francis Santa Fe, New Mexico 87505

The internal records being sought relate to the cement coverage of the Delaware. Please locate and send the depth of the DV Stage tool if present and cement volumes and types pumped above and below this Stage tool. If a Cement Bond Log or Temperature Log is available, please send a copy. Please send a copy of the Service Company primary cementing treatment report, which should have the final pump pressure used to raise the cement.

The above-mentioned well is within ¹/₂ mile of Ray Westall's proposed Delaware saltwater injection well (Federal 19 Well No. 1 API No. 30-025-24676) and needs evaluation as to cement coverage over depth intervals 6,670 to 6,883 feet. Ray Westall recently provided notice to BTA Oil Producers of this proposed application. We have not received any objection from BTA to this application. However, the Division must gather sufficient data to show the proposed injection interval is adequately covered with cement in surrounding wells.

Please note that BTA will not be responsible for any remedial cementing as a result of findings in this application. The applicant for SWD, in this case, Ray Westall, has the burden to ensure all surrounding wells are adequately cemented.

Proposed SWD: Federal 19 Well No. 1 Ray Westall February 2, 2007 Page 2 of 2

We look forward to the requested copies of your cementing data prior to March 1, 2007.

J. Daniel Sanchez Compliance and Enforcement Director

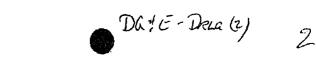
MEF/wvjj

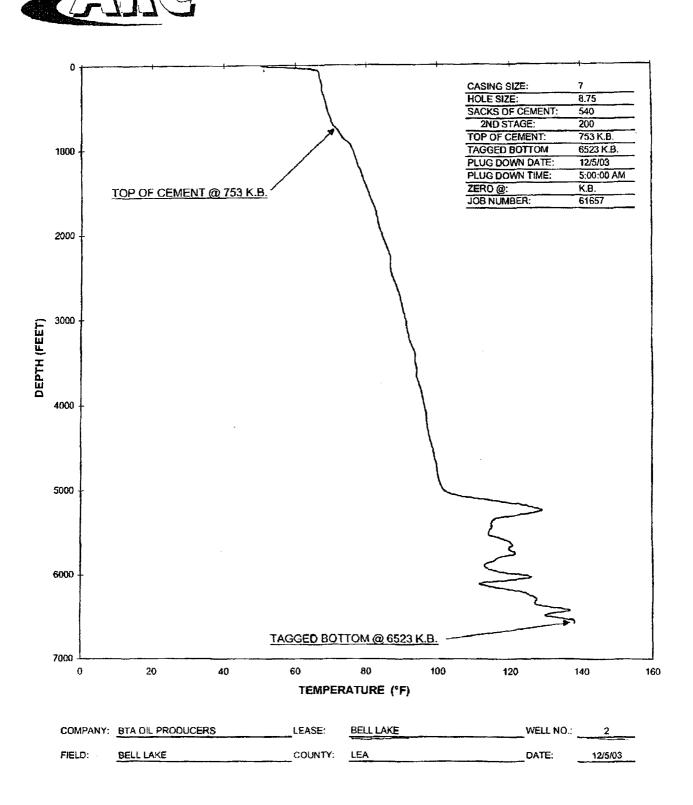
cc: Oil Conservation Division – Hobbs Ray Westall – Randall Harris

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104 S. Pecos, Middand, TX. 79701 (432) 682-3753 I0. Find and Poll, or Support Pann. 4. Location of Well (Peorge, Sec. T. R. M. or Survey Description) II. Comp or Pann. II. Comp or Pann. 11. Comp or Pann. II. Comp or Pann. II. Comp or Pann. 12. CHECK APPROPRIATE BOX(ES) TO ENDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION III. Comp or Pann. 12. CHECK APPROPRIATE BOX(ES) TO ENDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA Male of fattal Addition 13. Notice of fattat Addition Production (Start/Resume) Water Start-Off 14. Information Comp Repair Notice of fattat Balancian Water Start-Off 14. Subsequent Report Camp Repair New Construction Recomplete Completion Report 11. Subsequent Report Camp Repair Plag and Abadon Temporarity Abadoo for Completion Report 12. Subsequent Report Camp Repair Plag abad Starting Camp Repair Plag abad Starting Camp Repair Other Addit Information 13. Describe Proposed or Completed Operation (centry state all periode abadition and measure add cause which the work will be performed or provide the Bood No. on file with BL/MidA. Required abadoon and resultation and measure add cause. Attack the Bood under which the work will be performed or provide the Bood No. on file with BL/MidA. R			3b. Phone No. (inclu	de area code)		7
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If the proposal is to deepen directionally or recomplete horizontally, give substrate locations and measured and true vertical depits of all perturent markers and zones. Attach the Boad under which the work will be performed or provide the Bond Ne. on recompletion is a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandomment Notices shall be filed once testing has been completed. Final Abandomment Notices shall be filed once testing has been completed. BTA Oil Producers respectfully submits the following as additional information to be included with Item 23 on the original Completion Report dated 05/03/2004, accepted for record 05/17/2004: DV tool @ 6,507. Cmt circ. CP @ 6,507* w/740 sx. Cmt did not circ. TOC by temp survey @ 753'. If. I hereby certify that the foregoing is true and correct Name (PrintedTyped) Name (PrintedTyped) Title Regulatory Administrator Signature Date Ot (Signature) Name (PrintedTyped) Title Name (PrintedTyped) Title Regulatory Administrator Date Office Date	Subsequent Report Final Abandonment Notice	 Alter Casing Casing Repair Change Plans Convert to Injection 	 Fracture Treat New Construction Plug and Abandon Plug Back 	Reclamation Recomplete Temporarily A Water Disposal	bandon	Well Integrity Other Add'l Information for Completion Report
Name (PrintedITyped) Title Regulatory Administrator Pam Inskeep Date 01/18/2007 Signature Date 01/18/2007 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by (Signature) Name (Printed/Typed) Title Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equirable title to those rights in the subject lease Office Date	If the proposal is to deepen dire Attach the Bond under which t following completion of the inv testing has been completed. Fin determined that the site is ready BTA Oil Producers respectfull 05/03/2004, accepted for recor	ctionally or recomplete horizontall he work will be performed or prov rolved operations. If the operation hal Abandonment Notices shall be for final inspection.) y submits the following as addi d 05/17/2004:	y, give subsurface local ride the Bond No, on fi results in a multiple co filed only after all req tional information to	ions and measured and tr le with BLM/BIA. Requi mpletion or recompletion airements, including recl be included with Item	ue vertical depths of ired subsequent report in a new interval, a la amation, have been c 23 on the original (all pertinent markers and zones. rts shall be filed within 30 days Form 3160-4 shall be filed once completed, and the operator has Completion Report dated
THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by (Signature) Name (Printed/Typed) Title Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant hoids legal or equirable title to those rights in the subject lease Office Date	Name (PrintedlTyped)	ng is true and correct	Title	Regulatory Adminis	trator	
Approved by (Signature) Name (Printed/Typed) Title Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equivable title to those rights in the subject lease Office Date	Signature HMM	Insteen	Date	01/18/2007		
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	certify that the applicant holds leg	al or equivable title to those righ	e does not warrant or ts in the subject lease			Date

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.

(Continued on next page)





Cementing Job Summary

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Cementing Job Summary

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	17.683 Gal	FRESH V	VATER									
	3 %	ECONOL	ITE (100001	580)								
	0.2 %	HR-5, 50	LB SK (1000	005050)								
2	1st Stage Tail Premium	CMT - Pf	REMIUM CEI	MENT (1000	03687)	300.00	sacks	15.6	1.18	5.212		5.21
	5.212 Gal	FRESH V	VATER									
	0.3 %	HR-5, 50	LB SK (1000	005050)								
3	2nd Stage Lead Premium	CMT - Pf	REMIUM CEI	VENT (1000	03687)	540.00	sacks	11.4	2.86	17.68		17.68
	17.681 Gal	FRESH V	WATER									
	3 %	ECONOL	ITE (100001	580)								
	2nd Stage Tail Premium		REMIUM CEI	MENT (1000	03687)	200.00	sacks	15.6	1.18	5.22		5.22
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T	he Information	Stated	Herein Is	Correct	Custon	ner Repres	entative S	Signature				

Cementing Job Log

		The Road to Exc	ellence Starts with Sa	fety
Sold To #: 301031	Ship To :	#: 2315292	Quote #:	Sales Order #: 2779634
Customer: BTA OIL PRO	DUCERS	*	Customer Rep: W	filburn, Pete
Well Name: 7909 JV-P BI		Well #: #2		API/UWI #: AFEYKLVMA5HA1EVBAAA
Field: BELL LAKE		County/Parish:	Lea	State: New Mexico
Legal Description: Sectio	n=18 Townshi	=23, S Range=34	4, E	
Lat: North 0.000 deg. OR	North 0 deg. 0	min. 0 secs.	Long: East 0.000	deg. OR East 0 deg. 0 min. 0 secs.
Contractor: PATTERSON		Rig/Platform Na	ame/Num: 74	
Job Purpose: Cement Inte	ermediate Casi	ng		Ticket Amount: \$ 36,129.28
Well Type: Development \	Vell	Job Type: Cem	enting	
Sales Person: PAGE, DE	NNIS Earl	Srvc Superviso Curtis	r: NELSON, SCOTT	MBU ID Emp #: 104068

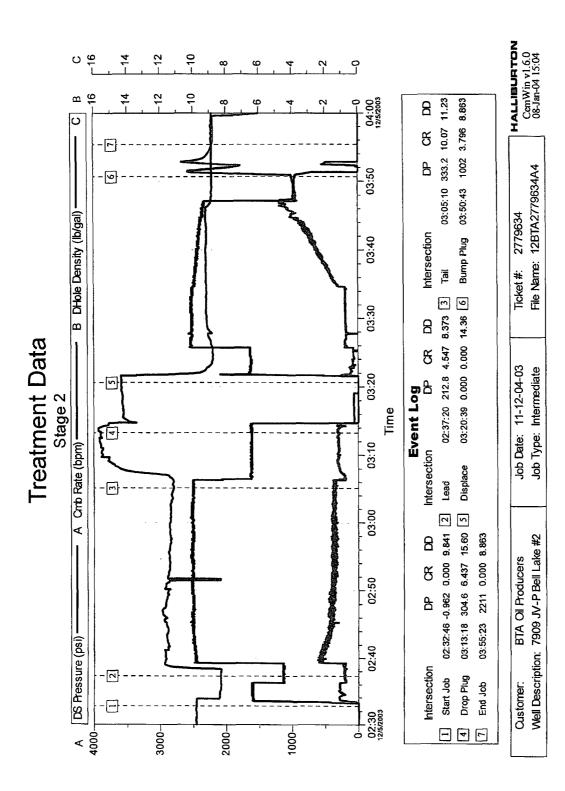
Activity Description	Date/Time	Cht. #	Rate	Voli Staro	ume Total	<u>ĝ</u>	SURC SIO .Casing .	Comments
PRE-CONVOY SAFETY MEETING	12/04/2003 09:15 AM	0	0	0	0	0	0	
ARRIVE_AT_LOC	12/04/2003 10:30 AM	0	0	0	0	0	0	
ASSESSMENT OF LOCATION SAFETY MEETING	12/04/2003 10:40 AM	0	0	0	0	0	0	
RIG-UP EQUIPMENT	12/04/2003 10:50 AM	0	0	0	0	0	0	PRE-RIG UP SAFETY MEETING
PRE-JOB SAFETY MEETING	12/04/2003 04:00 PM	0	0	0	0	0	0	
TEST_LINES	12/04/2003 04:39 PM	0	1	3	0	0	4000	
PUMP_SPACER_1	12/04/2003 04:44 PM	0	6	20	0	0	234	FRESH WATER
PUMP_LEAD_CEMENT	12/04/2003 04:49 PM	0	10	235	• 0	0	550	460 sks Premium, 3% Econolite, 2/10% HR-5 @ 11.4, 2.86, 17.68
PUMP_TAIL_CEMENT	12/04/2003 05:18 PM	0	6	63	0	0	159	300 sks Premium, 3/10% HR-5 @15.6, 1.18, 5.21
DROP_TOP_PLUG	12/04/2003 05:30 PM	0	0	0	0	0	0	SHUT DOWN
PUMP_DISPLACEMENT	12/04/2003 05:36 PM	0	10	0	0	0	200	DISPLACE WITH MUD
COMMENT	12/04/2003 06:06 PM	0	4.5	235	0	0	55	SLOW RATE PASS THROUGH TOOL
COMMENT	12/04/2003 06:08 PM	0	10	245	0	0	250	RESUME RATE
COMMENT	12/04/2003 06:28 PM	0	4	425	0	0	1500	SLOW RATE
BUMP_PLUG	12/04/2003 06:32 PM	0	4	436	0	0	2450	
CHECK FLOATS	12/04/2003 06:35 PM	0	0	0	0	0	0	HELD

Sold To #: 301031

Ship To # :2315292 Quote # :

Cementing Job Log

Activity Description	Dete/illime		Rate	Voli State	ume Tiotai	P	SUIC Sig Siges :	Comments
DROP_BALL	12/04/2003 06:45 PM	0	0	0	0	0	0	
OPEN_MSC	12/04/2003 07:06 PM	0	1	1	0	0	750	CIRCULATED 78 SKS TO SURFACE
COMMENT	12/04/2003 07:15 PM	0	0	0	0	0	0	TURN OVER TO THE RIG
PUMP_SPACER_1	12/05/2003 02:32 AM	0	6	20	0	0	290	FRESH WATER
PUMP_LEAD_CEMENT	12/05/2003 02:37 AM	0	10	275	0	0	590	540sks Premium, 3% Econolite, 2/10% HR-5 @ 11.4, 2.86, 17.68
PUMP_TAIL_CEMENT	12/05/2003 03:05 AM	0	6	42	0	0	200	200sks Premium, 3/10% HR-5 @ 15.6, 1.18, 5.21
DROP_TOP_PLUG	12/05/2003 03:13 AM	0	0	0	0	0	0	
PUMP_DISPLACEMENT	12/05/2003 03:20 AM	0	10	0	0	0	190	MUD
COMMENT	12/05/2003 03:45 AM	0	4	230	0	0	950	SLOW RATE
BUMP_PLUG	12/05/2003 03:50 AM	0	4	245	0	0	2522	
CLOSE_MSC	12/05/2003 03:51 AM	0	0	245	0	0	2522	
CHECK FLOATS	12/05/2003 03:55 AM	0	0	0	0	0	0	HELD / DID NOT CIRCULATE CEMENT TO SURFACE
POST-JOB SAFETY MEETING (PRE RIG-DOWN)	12/05/2003 04:05 AM	0	0	0	0	0	0	



Hobbs Laboratory Cement Report

C03- 330-02-00-03

Halliburton Energy Services / Permian Basin Area Laboratory

5801 Lovington Highway, Hobbs, New Mexico Phone: (505) 392-0717 Fax: (505) 392-7062

API No: 0

Customer:	BTA Oil Pr	oducers	Depth:	11800	ft			Test	: Date:	20-N	ov-03	
Well	Bell Lake #	‡ 2	BHST:	163 de	grees		Rec	quest	ed By:	Donr	nie Sea	ay
County/Stat	Lea, NM		BHCT:	129 de	grees	;	Sta	ige N	umber	: 1		
District:	Hobbs		Job Type:	Casing	9			_	Siurry:	Tail		
Blend:	Pilot Test			ing 7'' ze:					Water	Loca Wate		
S	lurry Info	rmation				Con	isiste	ency	/ Info	ormati	on	
Cement:	-			Time		emp		Pre			onsist	tency
Mixed wi	Premium th the follow	•	s:	4:03	129	degs	5	63	00 psi		33 E	UOS
.30	% HR	-5				Co	mpre	essiv	ve St	rengt	hs	
				Time	Un		Tem			rength		Method
				12	hou	rs	163 d	egs	1	225 ps	si	Crush
				24	hou		163 d	•		760 ps		Crush
				48	hou		163 d	•		925 ps		Crush
				72	hou	Irs	163 d	legs	3	3125 ps	SÍ	Crush
Water	Amt: 5.22 g	jals/sk										
De	nsity: 15.6 p	opg										
	Yield: 1.18 f	it3/sk										
			Fluid	d Prop	oertie	S						
Temp	Fluid Loss	Free H2O	Settling	300	200	100	6	3	PV	ΥP	N'	К'
degs	490 cc's	0.6%		68	58	46	18	12	30	40.5	0.36	0.082
					•							

Comments

Signed: MA

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Cementing Call for Services

					-	The Road	to Exc	əller	nce Sta	rts with	h Safety				
Sold '	To #:	: 301031	·	Ship		2315292		_	Quote				Sales Ord	der #: 27	79634
		: BTA OIL	PRODU		*				Sales P	erson:	PAGE, D	ENNIS E	arl		
		Rep: Wilbu			ile:505	5-369-733	2	l.							
		e: 7909 JV			M	/ell #: #2					A	PI/UWI #:	AFEYKL	VMA5HA	1EVBAAA
		LL LAKE			Ċ	ounty/Pa	rish: Le	a			St	ate: New	Mexico		
Legal	Des	cription:	Section=	=18 Tow											
		0.000 deg.							Long:	East 0.0	00 deg.	OR East	0 deg. 0 n	nin. 0 sec	S.
		r: PATTER				<u></u>			<u>U</u> _		¥		U		
Ria/P	latfo	rm Name/I	Num: 7	4						• • • • • •	Ti	ght Hole	? No	-	
<u> </u>		ose: Cemer			Casing								: WILLCA		
		Mileage(on				lax Press	ure: ps	ig			Ni	trogen: ().000 scf		
		Location I						<u> </u>	Rast	d Job S			04-Dec-20	03 13:00	CST
		Dri	ve Safel	y, Light	s On Io	r Salety.	Wear Se	at B							
Direc	tions	s: West of	Hobbs	on 62/1	80 to H	Hwy 8, TL	. (South) 15	.6 mile	s to Hw	ry 176,TF	R on 176	2.8 miles	TL on W	eaver Rd 4.9
miles	, TR	on Delawa	ire Basi	in Rd 18	.5 mile	es, TL to									
								i@//	WellD	ata					
Jo	b Dep	oth (MD)	Job D	epth (TVI	D)	BHST			HCT	Well	Fluid Typ		I Fluid	Displac	ement Fluid
		t		ft		degF		d	egF				t lbm/gal		
		300		11800		163					Based M		9.2		h Water
Тур		Descrip	· ····································	Size in	Weig _lbm/i	ft in	Thread	Gr	rade T	ft	ft	Top TVD ft	Btm TVD ft	Length	
Cas	ing	1st Interm Casir		9.625	40	8.835				0	5010			94	10
Casi	ing	2nd Interm Casir		7	29	6.184		P-	110	0	11800			40	
		Open H	lole			8.75				5000	11800				50
4.44							Tieo	n Co	onneel	on.					
Size:	7			Threa	ad: 8 F	RD (LT&C)			Type:	Casing			Cross Ove		ed: No
							Equip	nen	t (Cen	ertic))					
Descr	iptio	n			Qty	Comment	S	,	Descri	otion		· · ·	Qty	Commen	ts
		NTAINER			1				SWAG	=			2		
ADC F	PUMF	P TRUCK			1				FIELD	STORAC	SE BIN		1		
BOOS	STER	PUMP			1				BULK	RUCKS			3		
	_														
							N	Vienc	orials				a ward		
Stg #		Stage Type			Flui	d Name			Qty	Qty uom	Mixing Densit Ibm/ga	y ft3/sk	Mix Water Gal/sk	Rate bbi/min	Total Mix Fluid Gal/sk
1		: Stage Leac nium		MT - PRE	MIUM	CEMENT (1000036	87)	460.00	sacks	11.4	2.86	17.68		17.68
	17	7.683 Gal	FF	RESHWA	TER							· · · · · · · · · · · · · · · · · · ·			
		3 %	E	CONOLIT	E (100	001580)									
		0.2 %	H	R-5, 50 LI	3 SK (1	00005050))				-				
2		: Stage Tail nium	CI	MT - PRE	MUM	CEMENT (1000036	87)	300.00	sacks	15.6	1.18	5.212		5.21
	5	.212 Gal	FF	RESH WA	TER										L
		0.3 %	H	R-5, 50 LI	3 SK (1	00005050)		· <u></u>						
3		d Stage Lea nium	d Cl	MT - PRE	MUM	CEMENT (1000036	87)	540.00	sacks	11.4	2.86	17.68		17.68
		7.681 Gal	FF	RESH WA	TER				L		1				I
		3 %			E (400)	001580)									

Cementing Call for Services

Stg #	St	age Type	Flui	Fluid Name CMT - PREMIUM CEMENT (100003687)			Qty uom	Mixing Density Ibm/gal	1	Mix Water Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
4 F	2nd S Premiu	tage Tail m	CMT - PREMIUM	CEMENT (100003687)) 2	00.00	sacks	15.6	1.18	5.22		5.22
				Sales/Re	ntal	1/3 rd P	antisy					
SA	P#	n a faran an a	Descrip	tion		Qty	Qty uom	Su	pplier	Te	ch ID # / (Comments .
100004	4908	SHOE,FLT,7	8RD,2-3/4 SS II VL	V		1	EA					
100004	4781	COLLAR-FL	OAT- 7 8RD 17-26#	/FT - 2-3/4		1	EA					
100013	3920	CMTR, TY P	ES,7 IN 8RD,20-26	LB/FT		1	EA					
100004	4673	PLUG SET-F	REE FALL-7"-8RD			1	EA					
100004	4479	CTRZR ASS	Y,API,7 CSG X 8 3/	4HOLE,HNGD		10	EA					
100004	4626	CLAMP - LIN	AIT - 7 - HINGED -			3	EA			_		
10000	5045	HALLIBURT	ON WELD-A KIT			3	EA			_		
		an charachte		Job P	iooi	edures	5					
500 Ga	I. Supe	rflush 102 Per	Stage.								·	
				HSEIN	lioi	matio	n				k.	
H2S Pr	esent:	Unknown				02 Pre		Jnknown			· · · · · · · · · · · ·	
				Actual	Eat	lipme	កិរិ				ine 7.	
Unit N	umber	Equip	oment Type	Location	Ī	Jnit Nu	mber	Eq	uipment Ty	/pe	Ϊ L	ocation
100018	886	78613C TRL 3406-NT335	R-CMTG-75TC4-	Hobbs, NM, USA	1	013854	19 5	54332 TR/	ACTOR ST	ANDARD	Hobbs, I	NM, USA
10001	725	421534 PICK	UP-1 TON	Hobbs, NM, USA								
				Pei	1901	nnel	10.10	a de la caractería de la c				
Emplo	yee N	umber Er	nployee Name	Employee Number	.:	Emplo	yee Na	me E	mployee I	lumber	Emplo	yee Name
24078	3	KUHN,	MICHAEL L	104068	NEL	SON, S	SCOTT	Curtis 10	04101	F	OBLES, A	ANTONIO
				Re	ma	uks –				Street .	entos Sectos	
Gene	ral: S	Service Le	ader will deliv	er float equipme	ant	Will	call t	o snot	s load c	ement	DV to	ol about

General: Service Leader will deliver float equipment. Will call to spot & load cement. DV tool about 6500 ft

SET OUT F/E 12/03/03 08:40N SPOT AND LOAD BIN W/ALL 1st STG CMT 12/03/03 BIN 1008331 R BURCE 12/3/03

Tie on Connection: Take Quick Latch head if possible!

Sales/Rental/3rd Party: Service Leader will Deliver Float Equipment!

Material Load Sheet

		7	<u>The Road to Ex</u>	<u>xceller</u>	<u>ice Starts</u>	with Safet	<u>/</u>			
Sold To #:		Ship To #:	2315292		Quote #:			ales Or	der #: 2	779634
Customer:	BTA OIL PROD	UCERS *			Sales Per	son: PAGE	, DENNIS E	arl		
	Rep: Wilburn, Pe		5-369-7332							
	7909 JV-P BEL		/ell #: #2				API/UWI #:		.VMA5H	A1EVBAAA
Field: BELI			ounty/Parish:				State: New	Mexico		
	ription: Section			<u>34, E</u>						
	.000 deg. OR No		n. 0 secs.		Long: Ea	<u>ist 0.000 deg</u>	g. OR East 0	<u>deg. 0 n</u>	nin. 0 se	CS.
	PATTERSON									
	m Name/Num:						Tight Hole?			
Job Purpos	se: Cement Inter	rmediate Casing]				Job Status:	WILLC	ALL	
				্রিতচ	Totals					
Fotal Job We	eight (Blended):	143991.08lbm	71.99554 to	ons	Total Job	Volume (Ble	ended):	1542.0	55 ft3	
					-l		l			
			Mate	rial Loa	d Out Det	ails				1 1
										<u></u>
	Namer CMT - Pl									
Quan		60.00 sacks	Blend Volur	me:	479	.548 ft3	Blend W	eight:	44	623.680 lbm
	nfirmed By:		Date/Time:				Loader:			
SBM/SAP #		Material	· · · · · · · · · · · · · · · · · · ·	-	Conc.	UOM	Qty	UOM	Grind	Lab Specified Lot #
100003687	CMT - PREMIUM (10000	- CLASS H REG	OR TYPE V, BU	JLK	94	lbm	43240.00	lbm		
	FRESH WATER				17.683	Gal	8134.18	Gal		
	ECONOLITE (100				3	%	1297.20	lbm		
	HR-5, 50 LB SK ((100005050)			0.2	%	86.48	lbm		
Remarks										
Blend/Sluin	/Name: GMT - P	REMIUM CEMEN	TT ((11000020337))		Display N	ame: 1stSi	age Taill Prem	មែរតា	20.26° ()	
Quan	tity: 3	00.00 sacks	Blend Volu	me:	the residence of the second second second	.203 ft3	Blend W	Contraction of the Avenue of the Avenue	and the second	284.600 lbm
-inal Qty Co		1	Date/Time:				Loader:			
SBM/SAP #		Material			Conc.	UOM	Qty	UOM	Grind	Lab Specified Lot #
100003687	CMT - PREMIUM (10000	I - CLASS H REG	OR TYPE V, BI	ULK	94	lbm	28200.00	lbm		
	FRESH WATER				5.212	Gal	1563.60	Gal		+ ····
100005050	HR-5, 50 LB SK ((100005050)			0.3	%	84.60	lbm		
Remarks	····					<u>.</u>		I	I	L

Material Load Sheet

Quar	ntity: 540.00 sacks	Blend Volume:	560	.304 ft3	Blend W	/eight:	52	282.800 lbm
Final Qty Co	nfirmed By:	Date/Time:			Loader:			
SBM/SAP #	Material		Conc.	UOM	Qty	UOM	Grind	Lab Specified Lot #
00003687	CMT - PREMIUM - CLASS H RE (10000	G OR TYPE V, BULK	94	lbm	50760.00	lbm		
	FRESH WATER		17.681	Gal	9547.74	Gal		
00001580	ECONOLITE (100001580)		3	%	1522.80	lbm		

Qua	ntity: 200.00 sacks Blend Volume:	200	.000 ft3	Blend W	/eight:	18	800.000 lbm
-inal Qty Co	nfirmed By: Date/Time:			Loader:			
SBM/SAP #	Material	Conc.	UOM	Qty	UOM	Grind	Lab Specified Lot #
100003687	CMT - PREMIUM - CLASS H REG OR TYPE V, BULK (10000	94	lbm	18800.00	lbm		
	FRESHWATER	5,225	Gal	1045.00	Gal		

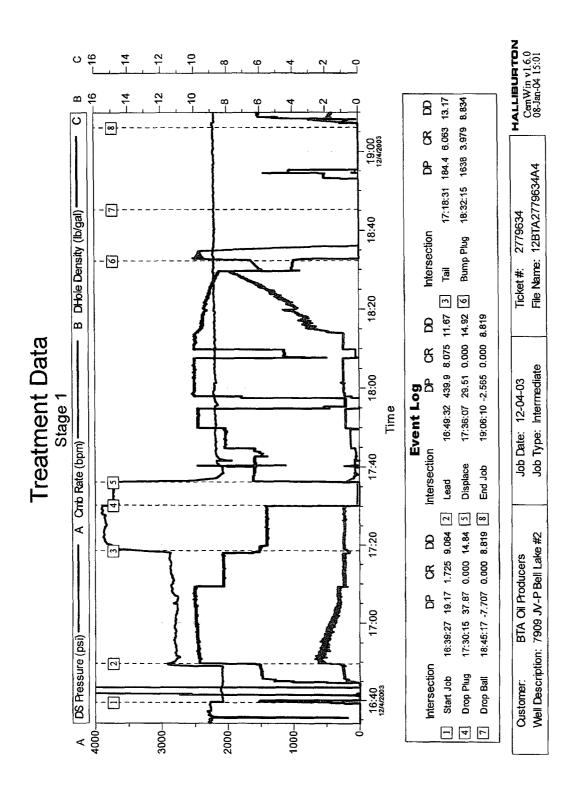
		Pa	ckagedli	Vlaterilalis	
SAP #	Material	Qty	UOM	Lab Specified Lot #	Comments
	FRESH WATER	20290.52	Gal		

Equipment Load Sheet

		nce Starts with Safet				
Sold To #: 301031 Ship 7	o #: 2315292	Quote #:	Sales Order #: 2779634			
Customer: BTA OIL PRODUCERS	*	Sales Person: PAGE, DENNIS Earl				
Customer Rep: Wilburn, Pete Mobi	e:505-369-7332					
Well Name: 7909 JV-P BELL LAKE	Well #: #2		API/UWI #: AFEYKLVMA5HA1EVBAAA			
Field: BELL LAKE	County/Parish: Lea		State: New Mexico			
Legal Description: Section=18 Towns	hip=23, S Range=34, E					
Lat: North 0.000 deg. OR North 0 deg.	0 min. 0 secs.	Long: East 0.000 deg. OR East 0 deg. 0 min. 0 secs.				
Contractor: PATTERSON ;						
Rig/Platform Name/Num: 74		Tight Hole? No				
Job Purpose: Cement Intermediate C	asing	Job Status: WILLCALL				

Remariks Service Leader will Deliver Float Equipment!

Equipment						
SAP #	Tech ID #	Description	Qty	Qty uom	Supplier	Comments
100004908		SHOE, FLT, 7 8RD, 2-3/4 SS II VLV	1	EA		
100004781		COLLAR-FLOAT- 7 8RD 17-26#/FT - 2-3/4	1	EA		
100013920		CMTR, TY P ES, 7 IN 8RD, 20-26 LB/FT	1	EA		
100004673		PLUG SET-FREE FALL-7"-8RD	1	EA		
100004479		CTRZR ASSY,API,7 CSG X 8 3/4HOLE,HNGD	10	EA		
100004626	· · ·	CLAMP - LIMIT - 7 - HINGED -	3	EA		
100005045		HALLIBURTON WELD-A KIT	3	EA		



Hobbs Laboratory Cement Report

C03- 330-01-00-03

Halliburton Energy Services / Permian Basin Area Laboratory

5801 Lovington Highway, Hobbs, New Mexico Phone: (505) 392-0717 Fax: (505) 392-7062

API No: 0

Customer:	BTA Oil	Producers	Depth	: 11800) ft			Test	Date:	20-N	ov-03		
Well	Bell Lak	e #2	BHST	: 163 d	egrees	5	Rec	ueste	ed By:	Doni	nie Sea	ıy	
County/Stat	Lea, NM		BHCT	: 129 d	egrees	5	Sta	ge N	umber	: 1			
District:	Hobbs		Job Type	: Casin	ng			;	Slurry:	Lead			
Blend:	Pilot Te	st		sing 7" Size:	-			,	Water	: Loca Wate			
S	lurry In	formation				Con	siste	encv	/ Info	rmati	ion		
Cement:	····· J ····			Time	Т	emp		Pre			onsist	tency	
	Premiu												
Mixed wi	th the foll	owing additive	S.'	4:15	129	degs	;	63(00 psi		70 E	ICU	
3.00	%	Econolite				Сог	npre	ssi	/e St	rengt	hs		
.20		HR-5		Time	Ur	nit	Tem			rength		Metho	d
				12	hoi	urs	163 d	eas		25 psi		Crush	า
				24			163 d	•		160 ps		Crush	
				48	ho	urs	163 d	egs	:	250 ps	i	Crusł	า
				72	ho	urs	163 d	egs	:	288 ps	i	Crush	า
Water	Amt: 17.	69 gals/sk											
	nsity: 11 .	•											
	nony. Th	- 668											
	Yield: 2.8	7 ft3/sk											
			Flui	id Pro	pertie	es							
Temp	Fluid Loss	Free H2O	Settling	300	200	100	6	3	PV	YP	N'	Κ'	
129 degs	451 cc'	s 0.1%		37	33	30	26	17	12	26.7	0.19	0.125	

Comments

Signed: MA

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	ection Permit Ch	lecklist 12/7/06					
		District	- / /				
Well Name/Num: FEDERAL 19 #	=	Date Spudded:	<u>413/74</u>				
API Num: (30-) 025-24676 County:	Loa		/ (S°DenK/				
Footages 660 FNL/860 PEL							
Operator Name: RAY WESTALL		Contact	HLLL. Harris				
Operator Address: P.O., Box 4, Loca	HILLS, NM	88255					
Current Status of Well: TINacture Property	anned Work: Re-	ized Del. Wat	Inj. Tubing Size: 2/18				
Hole/Pipe Sizes	Deptns	Cement	lop/Method				
Surface 17 1/2 (33/8		425	CIRC, 3790' T.S,				
Intermediate // 8-5/8	THE TRACE	300	3790' T.S,				
LINER Production 77/8 51/2	8564	550	CIRC TO TOP of LINER				
Last DV Tool							
Open Hole/Liner	D=8710/	1					
Plug Back Depth	\$8000 CIB	<u> り</u>					
Diagrams Included (Y/N): Before Conversion	After Conversio	n	Hed in \$75 TO 30364 Conyon				
Checks (Y/N); Well File Reviewed	ELogs in Imaging		- Parta Lower Brushy onyon				
intervals: Depths	Formation	Producing (Yes/No)	Perfortour Brushy Unyon Byfol 556-83, FRACEJ Down in Propring Merrier Wells Noter (t-ere)				
Salt/Potash 4454							
Capitan Roof			Dermin Marcany				
De Cliff House, Etc: 500 (O	Byle Conyo	Tok Lamer)	Marrier Wells (+ 200)				
Formation Above	Charry arry	n					
Top Inj Interval 6670	- Del		1334 PSI Max. WHIP				
Bottom Inj Interval 6883	Pal	un Proder	NO Open Hole (Y/N)				
Formation Below 7355 7350	Brushy C	ay-	Deviated Hole (Y/N)				
Fresh Water: Exists (Y/N)	Bono-SPRI	NG led (Y/N):Affirm	native Statement				
Salt Water Analysis: Injection Zone (Y/N/NA)							
Notice: Newspaper(Y/N)Surface Owner	BLM	_Mineral Owner(s)					
Other Affected Parties: Devon, chasaparte BTA							
AOR/Repairs: NumActiveWells Repairs? No Producing in Injection Interval in AOR							
AOR Num of P&A Wells Repairs?	_Diagrams Included?						
Required Work to this Well: _PLVG_Book		· · · · · · · · · · · · · · · · · · ·					
Well Table Adequate (Y/N) AOR STRs	: \$=2,18,19,20.7	sp <u>235 Rge 34</u> E	RBDMS Updated (Y/N)				
New AOR Table Filename	SecT	spRge	UIC Form Completed (Y/N)				
Conditions of Approval:	Sec1	spRge	This Form completed				
7 CUIT of BLM NOTIE	Æ		Data Request Sent				
- Set PLUE HI	SHERA	7100					
		<u></u>					