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NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -



		1220 South St. Francis Drive, Santa Fe, NM 87505	Long
		ADMINISTRATIVE APPLICATION CHECKLIST	1
TI	HIS CHECKLIST IS M	ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AI WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE	ND REGULATIONS
Applic	ation Acronym		
	Wod-DHO! PG-PG	ndard Lecation] [NSP-Non-Standard Preration Unit] [SD-Simultaneous Ded nhois Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Comm of Commingling] [CLS - Off-Lease Storage] [CLM-Off-Lease Measureme [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Sait Water Disposal] [IPI-Injection Pressure Increase]	ingling]
	(EOR-Qua	Hilad Enhanced All Bearing, Confidention 1995 Beating Draduction Pro-	bouse) 🔾 /
[1]	TYPE OF A	PLICATION - Check Those Which Apply for [A]	
	[A]	Location - Spacing Unit - Simultaneous Dedication NSL NSP SD	SW 35
		One Only for [B] or [C]	20/29
	[B]	Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM	2000
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR	
	[D]	Other: Specify	
[2]	NOTIFICAT [A]	ION REQUIRED TO: - Check Those Which Apply, or □ Does Not Apply Working, Royalty or Overriding Royalty Interest Owners	CEIVED
	[B]	Offset Operators, Leaseholders or Surface Owner	E D
	[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, an	d/or,
	[F]	Waivers are Attached	
[3]		CURATE AND COMPLETE INFORMATION REQUIRED TO PROCE ATION INDICATED ABOVE.	SS THE TYPE
	val is <mark>accurate</mark> a	TION: I hereby certify that the information submitted with this application for and complete to the best of my knowledge. I also understand that no action with quired information and notifications are submitted to the Division.	
	Note	Statement must be completed by an individual with managerial and/or supervisory capacit	y.
Randaliji	darris	Geologist	. 07/01/2008
Print c	r Type Name	Signature Title	Date
			ol.com

e-mail Address

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? Yes No
II.	OPERATOR: Ray Westall
	ADDRESS: P.O. Box 4, Loco Hills, NM 88255
	CONTACT PARTY: Randall Harris PHONE: 575.677.2370
111.	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 X_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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters wit 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 njection 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: Randall Harris TITLE: Geologist
	SIGNATURE: DATE: 06/17/2008
*	E-MAIL ADDRESS: <u>rharrisnm@aol.com</u> f 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: <u>Approved as SWD-977-A</u>

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.

INJECTION WELL DATA SHEET

SWD 977-A

API 30-025-28468

State NO #1

WELL NAME & NUMBER:

Ray Westall

£3 Circulated Circulated RANGE Perforated 36E 5 1/2,3 8 5/8" Method Determined: Casing Size: 13 3/8" Method Determined: WELL CONSTRUCTION DATA Method Determined: TOWNSHIP 7248 Casing Size: Casing Size: Intermediate Casing 19S Production Casing Injection Interval Surface Casing o or Ó 5 feet Cemented with: 975 sxs TOC 5900 TEMP SX. SX. SECTION Sqz. 50 sxs 5880, Sqz. 25 sxs 4202, Sqz. 425 sxs 2101 Cmt circulated. Surface 2400 Top of Cement: ___Surface Surface 5775 450 17 1/2" 7 7/8 " Total Depth: 11,040 Top of Cement: Cemented with: Cemented with: Top of Cement: UNIT LETTER Hole Size: Hole Size: Hole Size: 口 2400 475 SKS SACEEE CIRCULATED TU SURFACE 5775-5786 11040'SH 975 SKS T/CMT ST00'(BOND) + 500 Perfs YespaseD FOOTAGE LOCATION 4150' BY 2400 SXS CIRCULATED 1980 FNL & 660 FWL CUPRENT INTECTION 426' 134" 450 5XS CIRCULATED INTERUAL WELLBORE SCHEMATIC 10100 C1BP + 35' CMT 10180 - 10210 PEFF + 100 SXS 10215 CMT HEFF + 100 SXS 10276-10338 PEFF STON' SOMERE PERF STATES STATE PERF STATES SOMETHE 10743 CMT RET 125 SKS PERS 10735 10540 105:20 CLIBER BS'EMT 9100". CIBP +35'cm+ 4200' So SKS SQUECEE 7400' 25 SXS PCHE 9166- 9257 PEKE 6981-7000 PEAF 7213: 7248 PEKE OFFE- 10719 PERF 1430-35 PERF PEXT 10910-11,000 PHOS -18 PERF WELL LOCATION: 觚

INJECTION WELL DATA SHEET

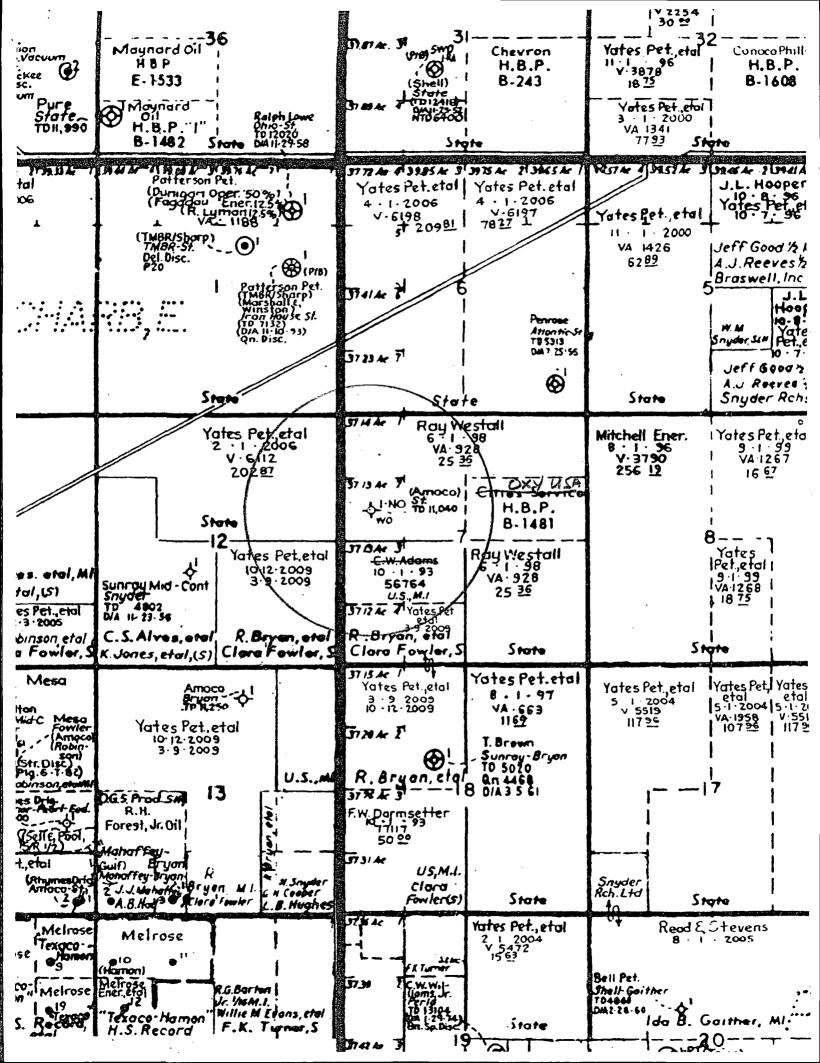
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		Addi	Additional Data
_;	Is this a new w	Is this a new well drilled for injection?	Yes X No
	If no, for what	If no, for what purpose was the well originally drilled?	Ily drilled? Oil and Gas Exploration
5.	Name of the In	Name of the Injection Formation: De	Delaware
3.	Name of Field	Name of Field or Pool (if applicable):	
4.	Has the well ev intervals and gi	er been perforated in any otl ve plugging detail, i.e. sacks	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. See Schematic
5.	Give the name and depths injection zone in this area:	and depths of any oil or gas n this area:	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

STATE WO" EI 30-025- 28468 PROPOCED

> LINES THERML - 13 1/8" 429' CIRE 4150'85% CIRC PACKER 5725 PERFS 5775-7248 7400' PBTD TO 11040' 5%"

ATTACHMENT V

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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Store Profiled E. County, (5) Yates Pet Ya	And	Stopholiphic Continues of the Continues	State State State Roy Westall (No. 328) State I (Aproco) Cities Service H.B.P. B-1481 STAN I (Aproco) CW Adons (OW Adons	State State State State Mitchell Ener. Snyder Rchs Mitchell Ener. 1 31 36 31 39 43 129 43 129 43 129 16 57 Snyder Snyder	Storte Yates Pet., etal 3 - 1 2000 14 - 1343 Gerty Gerty Gold - 10 122 25 Fig 10 122 25

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ATTACHMENT VI

Data on all wells of public record within the area of review. Included are schematics of the plugged wells that penetrated the proposed injection zone within the area of review.

No wells within area of review.

ATTACHMENT VII

- 1. Proposed average of 150 bbls per day and maximum of 300 bbls per day of injected fluids. At a rate of one bbl per minuet.
- 2. System will be closed.
- 3. Average anticipated pressure of 450 psi and a maximum of 800 psi.
- 4. Source of produced water is produced water from the surrounding area.
- 5. Typical water analysis attached.

Data prepared by: Donald A. Beaudry

Affiliation: Shell Oil Company

Date: Aug. 15, 1960

Field Name: Pearl Queen Location: T.19 S., R.35 E.

County & State: Lea Co., N. Mex.

DISCOVERY WELL: Shell Oil Co. #1 Hooper

PAY ZONE: Queen-Penrose thin sandstone beds.

COMPLETION DATE: Sept. 12, 1955

TYPICAL CORE ANALYSIS OF A PAY INTERVAL IN THIS FIELD:

Perm. in	millidarcys	% Porosity	Liquid Saturation (% of pore space)					
Horizontal Vertical			Water	Oil				
2-62	NA	18	35.0	6.4				

OTHER SHOWS ENCOUNTERED IN THIS FIELD:

Seven Rivers, San Andres, Bone Spring, Pennsylvanian (Atoka)

TRAP TYPE: Stratigraphic

NATURE OF OIL: 360 Gravity API

NATURE OF GAS:

NATU	RE OF PRODUCING Z	ONE WATE	₹:			Resistivity:		o	hm-meters (@	<u>°F. </u>
	Total Solids	No+K	Ca	Mg	Fe	SO ₄	CI	CO ₂	HCO₃	ОН	H₂S
ppm	234,000	66,000	14,000	7,000	X	500	146,000	X	150	X	X

INITIAL FIELD PRESSURE: 1750 psig type of Drive: Solution Gas

NORMAL COMPLETION PRACTICES: Casing through pay zone. Perforation of selected intervals followed by sandfrac.

PRODUCTION DATA:

		No. of well	s @ yr. end	Production				
Your	Туре	Producing	Shut in	Gas is	barrels MMCF			
Year	1ype	. roadeing	or Abnd.	Annual	Cumulative			
	oil	1		954	954			
1956	gas			. 291	. 291			
	oil	8		44, 184	45, 138			
1957	gas			28.067	28.358			
	oil	40		319.534	368,907			
1958	gas			158, 357	186, 715			
	oil	69	1	629, 250	1,007,446			
1959	gas			427.311	614.026			
	oil	91		362, 566	1,370,012			
1960*	gas			316.478	930,504			

^{* 1960} Figure is production to July 1, 1960.

Author:

G. J. Savage

Field Name:

Arkansas Junction (San Andres)

Affiliation: Date:

Gulf Energy & Minerals Co.-US Location:

T-18-S, R-36-E

August 1976

County & State: Lea County, New Mexico

Discovery Well: Aztec Oil & Gas Co. #1 Amerada State, NE/4 NW/4 12-T-18-S, R-36-E.

Completed 6-12-66. P 20 BOPD and 20 BW

Exploration Method Leading to Discovery:

Recognition of possible pay zone from data obtained in drilling of

deep test north of this discovery.

Pay Zone:

San Andres dolomite

San Andres

Depth & Datum Discovery Well:

Top of perfs 4952 (-1169)

Formation Name: Lithology Description:

Dolomite, tan to white finely crystalline partly anhydritic with thin interbeds of sandstone, gray, very fine to fine-grained, subangular, fairly well sorted.

Approximate average pay: 160 grass 24 net

Productive Area 560 ocres

Type Trap:

Structural, with partial stratigraphic influence; i.e., with variable porosity

and permeability.

Reservoir Data:

6-12 % Porosity, 0.2 Md Permeability, 32 % Sw, _____ % So

37.3° Gravity API

Gas:

 N_0+K , 2880 Ca, M_0 , 25900 CI, 2500 SO₄, CO_2 , or HCO₃, F_0

Specific Gravity 1.015 Resistivity 0.21 ohms @ 84 °F

Initial Field Pressure: 1610 psi @ -1293 datum Reservoir Temp. 112 °F

Type of Drive:

Solution gas and water

Normal Completion Practices:

Drill through pay zone, set casing, perforate, and wash with acid before

Type completion:

40 Acres Normal Well Spacing ___

Pumping

Deepest Horizon Penetrated & Depth:

Devonian at 10,600 feet (-6,805)

Other Producing Formations in Field:

Penrose member of Queen formation

Production Data:

YEAR	TYPE	No. of wells @ yr. end		PRODUCTION OIL IN BARRELS GAS IN MM C F		YEAR	EAR	No. of wells @ yr. end		PRODUCTION OIL IN BARRELS GAS IN MMCF		
🗏	-	Prod.	S.I.or Abd.	ANNUAL	CUMULATIVE	7 🗏	1 - 1	Prod.	S.I.or Abd.	ANNUAL	CUMULATIVE	
68	OIL	5		16,426	30,577	72	OIL	1	9	2,232	83,188	
	GAS						GAS				,	
69	OIL	9		27,494	58,071	73	OIL	2	8	2,687	85,875	
L	GAS						GAS					
70	OIL	9	7	17,076	75,147	74	OIL	2	8	3,496	89,371	
	GAS						GAS					
71	OIL	3	7	5,809	80,956	75	OIL	3	7	5,595	94,966	
<u></u>	GAS						GAS					

ATTACHMENT VIII

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 0-450'. There is no known source underlying the injection interval.

ATTACHMENT IX

No proposed stimulation.

ATTACHMENT XI

There are two active livestock water wells within one mile.

Well #1 UL P Section 12, T19S-R35E

Well #2 UL E Section 12, T19S-R35E

Analysis Attached

B J Services Water Analysis Artesia District Laboratory (505) 746-3140 UEE SEC 12 Date: 22-Nov-02 Test #: T195-R35E Company: Ray Westall Well#: "NO" Water Well County: Lea Lease: State: New Mexico Formation: Depth: Source: Temp (F): 62.6 7,46 pH: 1.005 Specific Gravity **CATIONS** mg/l me/i ppm Sodium (calc.) 711 30.9 707 80 4.0 80 Calcium 49 Magnesium 4.0 48 < 25 Barium Potassium < 10 Iron 0.0 ANIONS Chloride 33.9 1200 1194 Sulfate 30 0.6 30 Carbonate < 1 Bicarbonate 4.6 279 281 Total Dissolved Solids(calc.) 2339 2351 Total Hardness as CaCO3 400 8.0 398 COMMENTS: Sample of solids appears to be Iron Sulfide SCALE ANALYSIS: CaCO3 Factor 22504.12 Calcium Carbonate Scale Probability-> Remote CaSO4 Factor 2406 Calcium Sulfate Scale Probability ---> Remote Stiff Plot 60 10 Ca HC03 Mg 504

B J Services Water Analysis District Laboratory Artesia (505) 746-3140 UL-P SEC 12 22-Nov-02 Test #: Date: T195-R35E Company: Ray Westall Well#: #1 Lease: "NO" Water Well County: Lea Formation: State: New Mexico Depth: Source: Temp (F): 63 8.26 pH: Specific Gravity 1.01 CATIONS me/l mg/l ppm Sodium (calc.) 1150 50.0 1139 Calcium 80 4.0 79 Magnesium 73 6.0 72 Barium < 25 < 10 Potassium iron -0.0 1 **ANIONS** Chloride 2000 56.4 1980 Sulfate 69 1.4 69 Carbonate < 1 Bicarbonate 146 2.4 145 Total Dissolved Solids(calc.) 3485 3520 Total Hardness as CaCO3 500 10.0 495 COMMENTS: Sample of solids appears to be Iron Sulfide SCALE ANALYSIS: CaCO3 Factor 11741.28 Calcium Carbonate Scale Probability-> Remote CaSO4 Factor 5614 Calcium Sulfate Scale Probability ---> Remote Stiff Plot 50 60 Ca HCO3 Mg SQ4

ATTACHMENT XII

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

Yates Petroleum and OXY USA are the only lease hold operators within ½ mile of the proposed injection well. All other lands are not under lease and are State of New Mexico land. A copy of this application was sent by certified mail. Proof of notice is enclosed. The surface owner is the State of New Mexico.

PROOF OF PUBLICATION

Proof of publication is from the Hobbs Daily Sun and attached..

Certified Mail

Yates Petroleum

7004 2890 0003 2218 7964

105 S. 4th St. Artesia, NM 88210

OXY USA

7004 2890 0003 2218 7971

7004 2890 0003 2218 7988

6 Desta Drive Suite 6000,

Midland, TX 79705

New Mexico State Land Office Bldg 310 Old Santa Fe Tr Santa Fe, NM 87504

Oil Conservation Division 1220 S St. Francis Dr. Santa Fe, NM 87504

Oil Conservation Division 1624 N. French Hobbs, NM 88240

AFFIDAVIT OF PUBLICATION

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	1	
		week
Begin	ning with the issue	e dated
	June 10	2008
and en	nding with the issu	e dated
	June 10	2008
Ko.	thi Beard	Vin -
2 90	yw / www.	

PUBLISHER Sworn and subscribed to before

10th me this_ day of

June

Notary Public.

My Commission expires February 07, 2009 (Seal)



OFFICIAL SEAL DORA MONTZ NOTARY PUBLIC STATE OF NEW MEXICO

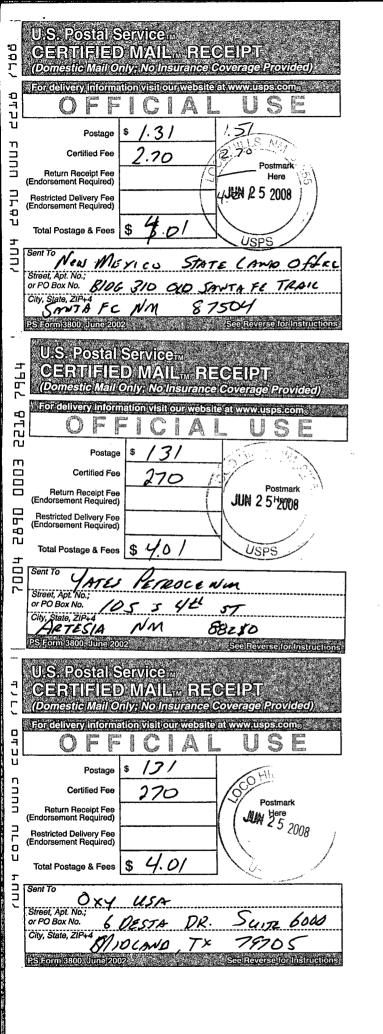
My Commission Expires:

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.

June 10, 2008

Ray Westall-Operator, P.O. Box 4, Loco Hills, New Mexico 88255 Phone (505) 677-2370. Contact party for Ray Westall-Operator is Randall Harris, is seeking administrative approval from the New Mexico Oil Conservation Division to Utilize a well located 1980° FNL & 660° FWL Section 7, Township 19 South, Range 36 East, Lea County, New Mexico Known as the State NO #1 for water injection. Proposed injection is in the Delaware formation through perforations 5775'-7248' feet. Expected maximum injection rate of 400 bbls per day at 800 psi. Interested parties must file objection or requests for hearing with the Oil Conservation Division, 1220 So. St. Frances Drive, Santa Fe, NM 87505 within 15 days of notice. within 15 days of notice.

67100415000 67551271 RAY WESTALL OPERATING, INC. P.O. BOX 4 LOCO HILLS, NM 88255



7201 I-40W, Suite 319 Amarillo, TX 79106 Phone: 806-351-2953

Fax: 806-354-2835





To: Area Operators

From: Darlene Marrs

Date: 6/23/2008

Pages: One Including Cover

Re: Lot 14613 - Mark J. Mourne, Jr. - Multiple Well Package (RI, ORRI & Non-Operated WI)

with Surface - Andrews and Ector Counties, Texas

ATTN: Acquisitions & Divestitures

Gentlemen:

Your company operates wells in the same area as the captioned well(s). One of the interest owners has put their property in auction ending <u>7/10/2008 2:25 PM</u>. **This lot has a 12 Mo. Av. Cash Flow \$3,937/mo.**

If you would be interested in viewing the property on-line or bidding in the auction, you may visit out website at http://www.energynet.com where you can register on-line as a buyer. After doing so, please feel free to browse to this auction via the tab at the top labeled 'Auction Properties' where you will find a list of current lots for sale, including this one.

Please feel free to contact us and we will be happy to help you in this process. Registration is free and full property data may be viewed on-line at no cost.

Interested in selling with EnergyNet? Need more information? Please visit our 'Contact Us' page to find the business development manager in your area. We are here to bring you the fastest, highest quality service in the industry.

Please feel free to contact us, toll free, at 1-877-351-4488 or by email at energy@energynet.com.

Thank you,

Darlene Marrs Client Relations Manager

EnergyNet.com, Inc.

http://www.energynet.com

Continuous Oil & Gas Property Marketplace



RECEIVED

Ray Westall Operating, Inc.

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

Oil Conservation Division 1220 S. St. Francis DR. Santa FE, New Mexico 87505

Attn: William Jones

Re: SWD-977-A

Gentlemen,

Enclosed is a new C-108 for the captioned well. What we are asking for is to add additional perforations 5775-5786' in hopes of increasing volume.

In answers to your E-mail dated may 15, 2008:

1) Tops:

Rustler	1835'
Yates	3284'
7-Rivers	3732
Queen	4482'
Cherry Canyon	5580'
Brushy Canyon	6630'
Bone Springs	7280'

- 2) Producing Pools within 1 mile and pertinent producing well and who operates them: None
- 3) How you will determine hydrocarbon producibility of the interval you intend to add: We perforated and tested in the past for oil and gas production.

Respectfully submitted,

Kandalk Harris

Geologist

From: Jones, William V., EMNRD < William. V. Jones@state.nm.us>

To: Randall Harris <rharrisnm@aim.com>

Cc: Ezeanyim, Richard, EMNRD <richard.ezeanyim@state.nm.us>; Warnell, Terry G, EMNRD

<TerryG.Warnell@state.nm.us>

Subject: RE: SWD-977-A

Date: Thu, 15 May 2008 10:50 am

Hello Randall:

You should apply for this following Rule 701B(2) as far as notices required and send in a request for a new permit to inject (It will be called SWD-977-B)

Actually it is the same work as before, with all the notices, etc. and form C-108 (but C-108 has not been updated to reflect the changes in the rules 701-708, so it is best to read the rules as you do the C-108)

Please also send:

- 1) formation tops from the Rustler to the Bone Spring in that area including members of the Delaware
- 2) producing Pools (names) within 1 mile of this well and pertinent producing wells and who operates them.
 - 3) how you will determine hydrocarbon producibility of the interval you intend to add for injection.

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

From: Randall Harris [mailto:rharrisnm@aim.com]

Sent: Thursday, May 15, 2008 8:05 AM

To: Jones, William V., EMNRD

Subject: SWD-977-A

William Jones,

The Ray Westall State NO SWD-977-A API 30-025-28468 is injecting in the Delaware Formation 6409-7248'. To increase volume we would like to add additional Delaware perforations approximately 4900-4950'. Before I start any application procedures, would this be acceptable to the Commission and if it is what is the required paperwork?

Randall Harris Geologist Ray Westall Operating

Plan your next roadtrip with MapQuest.com: America's #1 Mapping Site.

This inbound email has been scanned by the MessageLabs Email Security System.

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	Inje	ection Permit Ch	necklist (7/8/08)	<u> </u>		= \
Case R	WEX	PMX	_IPIPermit Dat	teUIC	On July ay	3-10
# Wells Well Name:	Tate NO:	#	<u>, , , , , , , , , , , , , , , , , , , </u>			
API Num: (30-) 025-2	8 468 Spuc	d Date:	New/Old:	(UIC primacy Mar	rch 7, 1982)	
Footages 1980 FUL	1650 FWL	Unit <u>E</u> sec	7 Tsp 195	Rge 36 E Co	unty	
Operator: Ray Wass	el		Contact	Condell +	forris	
OGRID: 18862	_RULE 40 Compliance ('	Wells) //2[3	(Finan Assu	ur) 0 (<		
Operator Address: Po	Box 4 Lo	co HIUS/	NM, 8825	5		
Current Status of Well:			· · · · · · · · · · · · · · · · · · ·			
Planned Work to Wells			Planted T	ubing Size/Depth:	278057	25
Planned Work to Well:	Sizes	Setting	Cement	Cement Top a	and Determination]
	HolePipe	Depths 429	Sx or Cf	CIRC	ethod	4
Existing Surface	11 85/2	4150	7400	CIRC		1
ExistingIntermediate Existing Long String	77/8 5/2	113	915+50+25	59.0TS →	CIRC A	-507
DV Tool	Liner	Open Hole	422	<u> </u>	OPBTD 7400	<u>, </u>
Well File Reviewed						
Diagrams: Before Conversi	onAfter Conversio	nElogs in Ima	ging File: <u>Yes</u>			
Intervals:	Depths	Formation	Producing (Yes/No)]		
Above (Name and Top)						
Above (Name and Top)	<i>55</i> 80	CHERYC				
Injection Interval TOP:	5775-578=	New Perfor	(ec.)	155 PSI	Max. WHIP	
Injection Interval BOTTOM:	40948 OL	Bifs	B.C.	NO	Open Hole (Y/N)	
Below (Name and Top)	7280 -	- B,5,		NO D	eviated Hole?	
Sensitive Areas: Capitan	Reef N3	Cliff House	Salt Depths	835- 6	3284	
Potash Area (R-111-P)		Potash Les	see	Notice	ed?	
Fresh Water: Depths: O	-450 Wells	(Y/N) Less Analys	sis Included (Y/N)	Affirmative Sta	tement	
Salt Water: Injection Water			/		is?	•
Injection IntervalWater	•	Hydrocarbon P	otential Mark		a nools	
	,	riyaraawaa			J	
Notice: Newspaper(Y/N)	Surface Owner	5/0	Mineral O	wner(e)		
	\sim \sim \sim \sim \sim \sim	TO STO	willerar O			
RULE 701B(2) Affected Pa	rties:	×1/300				
Area of Review: Adequate						
Active Wells Num F		= •				
Questions to be Answere		libore Diagrams inci	uded?			
Questions to be Allswere	<u>u.</u>	÷			•	
Required Work on This W	/ell:			Request Sent	Reply:	
AOR Repairs Needed:				Request Sent	Reply:	
		····		Request Sent	Reply:	

51/2