<u>Kay Maddox</u> 2004

Print or Type Name

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 DIVISION
тні	S CHECKLIST IS MA	ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Appl ica	[DHC-Down	
[1]	TYPE OF AP	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 WFX PMX SWD IPI EOR PPR
	[D]	Other: Specify
[2]	NOTIFICATI [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 OF ON INDICATED ABOVE.
	al is <mark>accurate</mark> ar	ΓΙΟΝ: I hereby certify that the information submitted with this application for administrative and complete to the best of my knowledge. I also understand that no action will be taken on this quired information and notifications are submitted to the Division.
	Note:	Statement must be completed by an individual with managerial and/or supervisory capacity.

Regulatory Agent

e-mail Address

Title

September 23.

Date

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 MaintenanceXDisposal Storage Application qualifies for administrative approval? Yes No
II.	OPERATOR: SDX Resources, Inc
	ADDRESS: PO Box 5061 79704
	CONTACT PARTY: Chuck Morgan PHONE: (432)685-1761
III.	WELL DATA: Complete the data required on the reverse side of this form for each well processed 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 geological data on the injection zone including appropriate lithologic detail, geological name, thickness. and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.)
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source 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: Kay Maddox TITLE: Regulatory Agent
	SIGNATURE:
*	E-MAIL ADDRESS: If the information required under Sections VI, VHI, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal:

Application for Authorization to Inject SDX Resources, Inc Santa Nina #1 Section 7, T-19-S, R-30-E, Λ Eddy County, NM

- III. Well Data: See attached data
- IV. This is not an expansion of an existing project
- V. Area of Review: See attached data
- VI. Tabulation of data on wells within ½ Mile radius: See attached data
- VII. Data on the proposed operation
 - 1. The proposed average rate of injection is 200 BWPD, the maximum rate of injection is 500 BWPD
 - 2. The system is closed
 - 3. The proposed average injection pressure is 400 psig, the maximum pressure 400 psig
 - 4. Analysis of Injection fluid is from Delaware formation in Santa Nina #2 see attached data
 - 5. Not applicable
- VIII. Geologic data on the proposed injection zone. Injecting into the Queen formation through 60 perforations from 2212-2232. Zone has been frac'd w/10,000 gal & 1500# sand. The underground source of potable water is approximately 115'.
- IX. Well may be acidized or frac'd if necessary.
- X. No logs available Well will be logged and logs submitted during conversion.
- XI. There are no fresh water wells within one mile of proposed injection well.
- XII. After examining available geologic and engineering data it has been determined that there is no evidence of open faults or any other hydrologic connection between the disposal well and any underground source of drinking Water.
- MIII. See attached Proof of Notice

INJECTION WELL DATA SHEET

WELL NAME & NUMBER: Santa Nina #1 WELL LOCATION: 330 FNL & 330 FWL FOOTAGE LOCATION WELLBORE SCHEMATIC			
ATION			
WELLBORE SCHEMATIC	7 SECTION	T-19-S TOWNSHIP	R-30-E RANGE
	WELL C	WELL CONSTRUCTION DATA Surface Casing	
Hole Siz	Hole Size: 10"(assumed)	Casing Size: <u>8 5/8"</u>	
Cemented wtih:_	50	sx. or	ft³
Top of Cement:	ement: Surface	Method Determined:	Circulated
	Intermed	Intermediate Casing	
Hole Size:		Casing Size:	
Cemented with:		.sx. or	
Top of Cement:	ment:	Method Detemined:	
	Product	Production Casing	
Hole Size: 8"	% %	Casing Size:7"	
Cemented with:	22	sx. or	ft 3
Top of Cement:	ement:3560	Method Determined: _	Calc
Total De	Total Depth: 3856	I	
	<u>Injecti</u>	Injection Interval	
2212	fe	feet to 2232	

(Peforated or Open Hole; indicated which)

INJECTION WELL DATA SHEET

Next deep zone: Grayburg	
injected zone in this area: Next shallow zone: 7-Rivers	
Give the name and depths of any oil or gas zones underlying or overlying the proposed	5
CIBP set @ 2335'	
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. Produced OH 3856 -4022'	4.
Name of Field or Pool (if applicable): <u>East Turkey Track Queen</u>	ယ
Name of the Injected Formation: Queen	2.
If no, for what purpose was the well originally drilled? Production	
Is This a new well drilled for injection?YesXNo	
Additional Data	
Other Type of Tubing/Casing Seal (if applicable):	0
Packer Setting Depth:2112'	ים.
Type of Packer: AD-I	
Tubing Size: 2 7/8" Liming Material: IPC	H

WELL NAME: Santa Niva #/ LOCATION: "D" 330 FNL 330 FW	FIELD AREA: Turkey Track Queen E. L sec. 7 7195 R30E
GL: 3385' ZERO:' AGL: 3386' KB: NA' ORIG. DRLG./COMPL. DATE: 3/19/55 COMMENTS:	CASING PROGRAM: SIZE/WT./GR./CONN. DEPTH SET
Tuc suitace. 8 % contid, w/ 50 sks, = assume: 10= hole	
23 = + vhing	
Parts 2212 - 2 Aut 2334 + 542d CIBP 2335	portide calcid). 2232 Fracid 10,000 gals. 2 1500#.
70C 3560 (CA)	(c,)
Shot 40 gts. 390 90 gts. 397	4022 - 18 - 3918 - 6 - 4022 -

KB: NA ' ORIG. DI	
COMMENTS:	SIZE/WT./GR./CONN. DEPTH SET
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	8 8 c mtd, w/ 50 sks, = assume: 10= hole
	50 Sks,
	assume: 10 mole
	335
	Assume: 8=hule
}	
	7=03856 cmtd Proposed Condition
	n/22 5ks,
	-27 = IPC
	28 INC
	Perf Toc & SQZ Annolus m/350 sks."" \ 7= ADI PKT SQL @ 2112
	7- ADI PKr Se+ 0 2112
	Perts 2212 - 2232 Fraced 10,000 gals 2 1500
	Auf 23342 547d w/15 545. 1955
	CIBP $D333$
}	
{	
}	
}	}
}	
}	}
	TOC 3560- (calc.)
	3456-
\	64 - 64 = O.H. 3856 - 4022 -
}	Shot 40 gts. 3908 - 3918 - 90 gts. 3976 - 4022

Application for Authorization to Inject SDX Resources, Inc

Santa Nina #1

Section 7, T-19-S, R-30-E, A

Eddy County, NM

1/2 Mile Well Radius Area of Review

2. Jim Pierce Leonard-State #4 1650 FSL & 330 FEL Section 1 TD: 2447 DD: 7/26/62 7 5/8" @ 363' w/150 sxs 4 ½" @ 2447 w/100 sxs API # 30-015-03539

Status: Plugged

3. **Chemical Express** Leonard-State #1

330 FSL & 1650 FEL Section 1

TD: 2263' DD: 6/7/62 8 5/8" @ 360' w/50 sxs 4 ½" @ 2250 w/310 sxs API # 30-015-03538

Status: Plugged

4. Yeso Energy

State #3

330 FSL & 330 FEL Section 1

TD: 2227' DD: 2227'

8 5/8" @ 362 w/50 sxs 🗸

0 Pan file 2150-2230 7" @ 2150' w/mud ナラッシン

API # 30-015-03540

Status: Active

5. Jim Pierce

> Leonard-State "A" #1 330 FNL & 1650' FEL Section 12

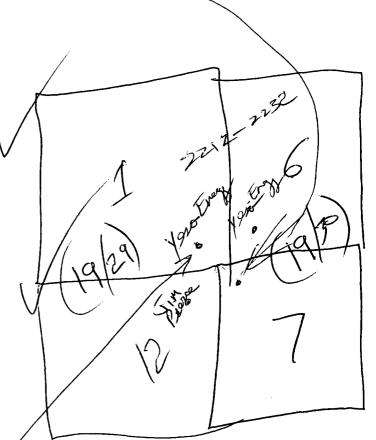
TD: 2287' DD: 7/27/62

7 5/8 @ 386' w/150 sxs

4 ½" @ 2287' w/100 sxs

API # 30-015-03603

Status: Plugged √



6. Jim Pierce
State #2
330' FNL & 330' FEL Section 12
TD: 2443' DD: 3/30/51
8 5/8" @ 345 w/50 sxs
7" @ 2182 w/50 sxs
API # 30-015-03582
Status: Active

7. SDX Resources, Inc
Santa Nina #2 A Federal
670 FNL & 834 FWL Section 7
TD: 4829' DD: 8/14/04
13 3/8 @ 270' w/400 sxs TOC surface
8 5/8" @ 1772' w/800 sxs TOC surface
API # 30-015-32547
Status: Active

8. Yeso Energy
Keohane Federal # 1
330 FSL & 330 FWL Section 6
TD: 2250 DD: 4/16/50
8 5/8" @ 362 w/75 sxs
7" @2175 w/50 sxs
API # 30-015-04591
Status: Active

9 Yates Brothers
Perkins #1
330 FSL & 2310 FEL Section 6
TD: 4351 DD: 1/28/62
5/8" @ 408 w/55 sxs
7" @ 3976 w/100 sxs
API # 30-015-04593
Status: Plugged 1/28/1962

10. Leonard Oil Co Keohane Federal # 2 1650 FSL & 1540 FWL Section 6 TD: 2531 DD: 12/18/58 8 5/8" @ 384' w/50 sxs 7" @ 2061' set API # 30-015-04592

Status: Plugged 12/17/1958

11. Chisos LTD

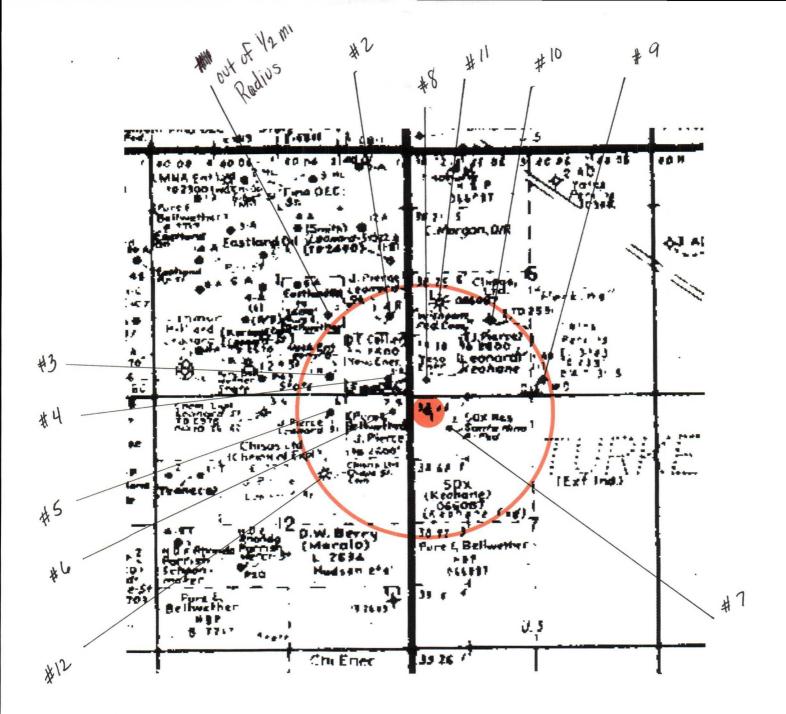
Wishbone Federal Com #1
2000 FSL & 680' FWL Section 6
TD: 11,750 DD: 9/28/2000
13 3/8" @ 350' w/400 sxs
8 5/8" @ 3005' w/1200 sxs
5 ½" @ 11,750 w/625 sxs
API # 30-015-30640
Status: Active

12. Chisos LTD

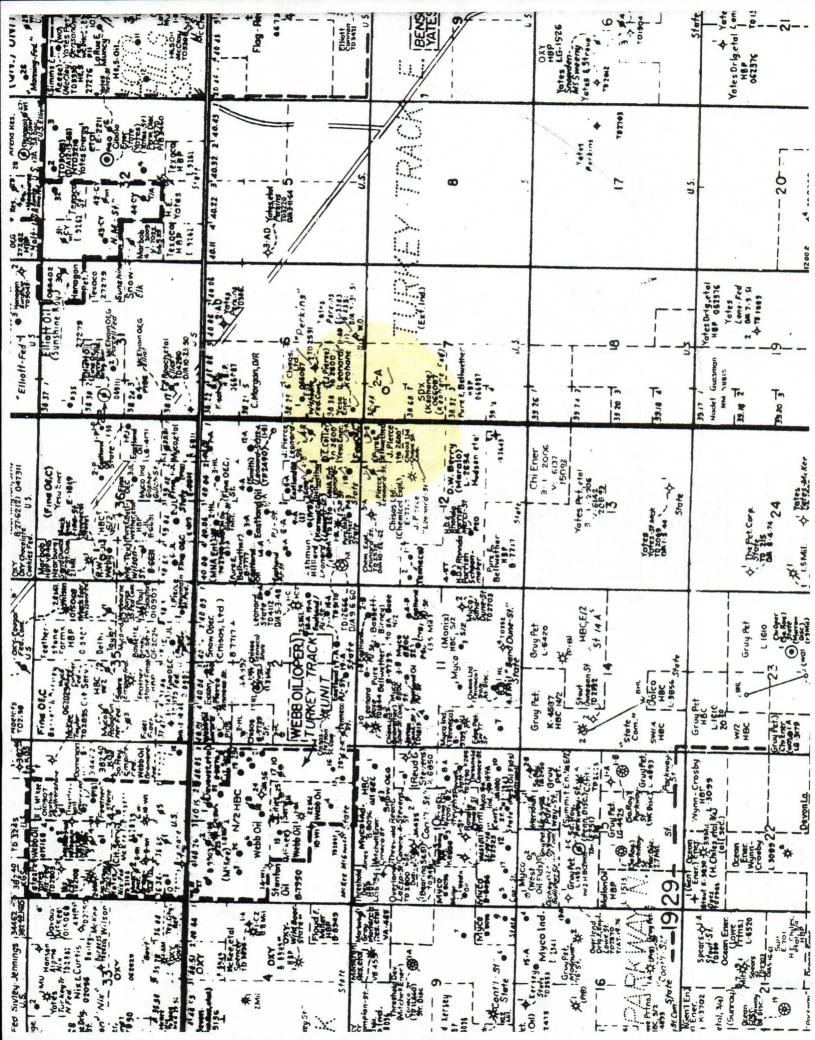
Chaps State Com #1
1650 FNL & 1800 FEL Section 12
TD: 11.768 DD: 9/10/2000
11 3/4" @ 336' w/470 sxs
8 5/8" @ 3000' w/1294 sxs
5 1/2" @ 11,768' w/887 sxs
API # 30-015-31011
Status: Active

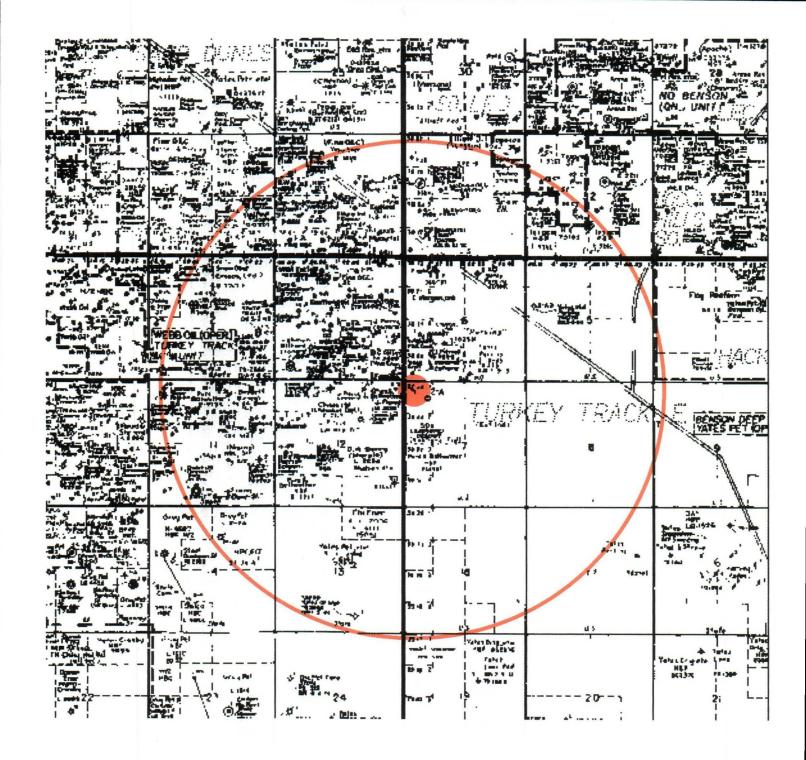
Well Applied For to Convert to injection:

SDX Resources (Keohane Inc)
Santa Nina #1 (Keohane-Federal #1)
330 FNL & 330 FWL Section 7
TD: 4022 DD: 2/9/51
8 5/8 "@ 335 w/50 sxs TOC surface circ
7" @ 3856' w/22 sxs TOC 3560' Calc
API # 30-015-04594
Status: Convert to injection



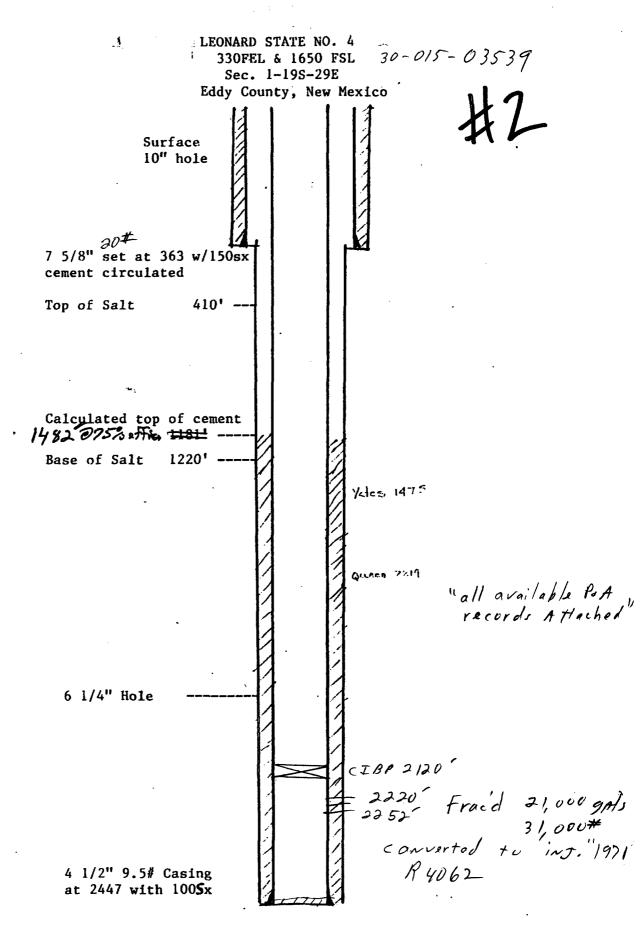
SDX Resources
#1 Santa Nina
Section 7, T-19-S, R-30-E
Eddy County, New Mexico
1/2 Mile Radius
Well Area of Review
Scale 1" = 2,000'





SDX Resources
#1 Santa Nina
Section 7, T-19-S, R-30-E
Eddy County, New Mexico
2 Mile Radius Area of Review
Scale 1" = 4,000'

Schematics and Data on Plugged wells within ½ Mile Well Radius of Review



T.D. 2447'

9/23/04

v			140							
Submit 3 Copies	To Appropriate Di	S AO1	12737475	State of	New M	exico			For	m C-10
Office District I	: 61	,	Energy	Minerals	and Nati	ural Resources			Revised Mar	ch 25, 19!
District II	Dr., Hobbs, 1882	40				I DIVISION ncis Dr. 7505		API NO. 015-0		
1301 W. Grand	Ave., Arios ANM 8	82 9 6)	SHEJOH CE	INSERV	MOITA	DIVISION			of Lease	
District III 1000 Rio Brazos	Rd. Aziec Nim 87	410 RE	36 KR1 12	30 South	St. Fra	ncis Dr.		TATE		
District IV	is Dr., Santa AGNI	Oct)* ***/	Santa Fe	, NM 8	7505	1		Gas Lease No.	
87505	D Co., Same 1 Can	2	- 10 /				B-7			
DIFFERENT RE	SUNDRY HIS FORM FOR P SERVOIR. USE "	ROPOS		R TO DEE!	PEN OR PL	UG BACK TO A	7. Leas	e Name	or Unit Agreeme	ent Name:
PROPOSALS.) 1. Type of W	1	. —	04 -				1	Leoña	rdState	
Oil Well 2. Name of			Otner				8. Well	No		
- 1,000	· ·		Jim Pi	erce				4		
3. Address	of Operator		200 W 1	,First	toSta:	#859		name or	Wildcat ky Track	
4. Well Loc	ation		HOSWEI	I NE	0020		I Las	0 101	NY TIBER	
T Vente	Letter :		1650 feet		au+h	line and	330	Sant Su	om the east	line
Cint	Dallar			_	•		*			. MAC
Section	30 .1·			nship 19		inge 29E R, RKB, RT, GR, (NMPM	Eddy	CountyNM	
			3407.6		neiner Di	t, AAD, AI, GA, (ric.)			
	11. Che	ck A	propriate B	ox to Inc	licate N	ature of Notice				•
	NOTICE O						-	NT RE	PORT OF:	
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APPPROVED	BY /	N	(т	ITLE	duxo B	AN E		DATE	
Conditions of s				^	- 5 pull		+	ADDD	OUTB ACT	1 ^ ^

Submit 2 Coning The Assessment District		
Submit 3 Copies To Appropriate District Office	State of New Mexico	Form C-103
District I 1625 N. Prenon Dr., Hobbs, NM 88240	Energy, Minerals and Natural Resources	Revised March 25, 1999 WELL API NO.
District II	OT COMPLIANCE PRINCIPLE	30-015-03539
1301.W. Orand Avc., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III 1000 Rio Bisnos Rd., Aztec, NM 87410	1220 South St. Francis Dr.	STATE FEE
Diarically	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Prancis Dr., Santa Fc, NM 87505		B-7717
	es and reports on wells	7. Lease Name or Unit Agreement Name:
DIFFERENT RESERVOR, 11SE "APPLICA"	LS TO DRILL OR TO DEEPEN OR PLUG BACK TO A I'ION FOR PERMIT" (FORM C-101) POR SUCH	
PROPOSALS.)	to other control of the control of t	Leonard State
i. Type of Well:	va.	
Oil Well Gas Well C	<u>Cher</u>	8. Well No.
Jim Piarce		4
3. Address of Operator		9. Pool name or Wildcat
200 W. lst Street Suit	a #859 Roswell, NN 88203	Rest Turkey Track
4. Well Location		
Unit Letter B :	330 feet from the North line and	650 feet from the East line
	inc and	recentification and an armore
Section 12	Township 19S Range 29E	NMPM Bddy County NM
	10. Elevation (Show whether DR. RKB, RT, GR, a	na)
	3402 DF	
	propriate Box to Indicate Nature of Notice	
NOTICE OF INTI		SSEQUENT REPORT OF: RK D ALTERING CASING D
TEN OWN PENEDAL WORK (A.)	PLUG AND ABANDON : REMEDIAL WOF	CK LI ALIEKING-GASING-LI
TEMPORARILY ABANDON [] (CHANGE PLANS COMMENCE DR	ILLING OPNS. PLUG AND
PULL OR ALTER CASING	WULTIPLE CASING TEST A	ABANDONMENT D
	COMPLETION CEMENT JOB	
OTHER:		—
	OTHER:	
starting any proposed work). SER	porations. (Clearly state all pertinent details, and g RULB 1103. For Multiple Completions: Attach w	respension cases, including estimated date of
recompletion.	Too Au	f 1220
: .	te plug 100 feet above perfs Sef	Oluc between 2120-2150
1. Set cast iron bridg	e plug 100 feet above perfs	and test
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4. Set well sign	tones Int. ratio integrity, plug o	pon commission approvar.
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		rior to test. 748-1283
	P	1101 to test. 740-1203
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I heroby certify that the inflyination abo	ove is true and complete to the best of my knowled	go and belief.
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I heroby cartify that the inferination about SIGNATURE	ove is true and complete to the best of my knowledge TITLE Owner/Sple Pr	
SIGNATURE DA CO		COPTIETOT DATE 04/24/03
SIGNATURE Type or print name		
Type or print name (This space for State use)		DATE 04/24/03 Telephone No.
SIGNATURE Type or print name		COPTIETOT DATE 04/24/03

CASING PROGRAM: CASING PROGRAM: CASING PROGRAM: CASING PROGRAM: CASING PROGRAM: CASING PROGRAM: SIZE/WT./GR./CONN. DEPTH SET	WELL NAME: Leonard, Str #/	FIELD AREA:
COMMENTS: COMMENTS: Assumed 1 d to Surface The Sourface The Size/WT./GR./CONN. DEPTH SET Assumed 1 d to Surface The Surface as per R-4062 requirement The Cont. w/ susse, ca/c, Toc 2/00° 410-310° CASING PROGRAM: CASING PROGRAM: CASING PROGRAM: CASING PROGRAM: SIZE/WT./GR./CONN. DEPTH SET CASING PROGRAM: SIZE/WT./GR./CONN. DEPTH SET Assumed 1 d to Surface as per R-4062 requirement Cont. w/ susse, ca/c, Toc 2/00° 410-310°	LOCATION: 330 FSL /650 FR	5 L 30-015 - 03538
Assumed 1 d to Assumed 1 d to Size/WT./GR./CONN. DEPTH SET Assumed 1 d to Surface as per R-4062 requirement Plug Assume 75 20# Cont. w/susse, ca/c, Toc 2/00° 410-310°		CASING PROGRAM:
Assume 10 sk. Surface Phy Assumed 1°d to Surface as per R-4062 requirement 75, 20# Cont. w/505B, CA/C, TOC 2/00° 410-310°	•	
10 - 310° 20° 20° 20° 20° 20° 20° 20° 20° 20° 2		
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25 sks 2 20# cmt. w/s0 sts. ca/c, TOC 2 100° 410-310°	Justace 1 5 1/2 = 30	or per 12-700 2 Populario
410-310-2	70(20)	#
410-310-2	4550mp	OSK CAL TOC ON LINE
		130, CAIC, 10C 2 100.
	7/0-3/0	
	}	
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SARTATE	NEW MEXICO OIL COM	ISERVATION COMMISSION	C-102 and C-10.1 Elective 1-1-65
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U.5.G.S.			5a. Indicate Type of Leano
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	erman J. Ledbetter .	ANTESIA, IN FICE	Leonard State
1. Address of Operator		Contract Con	9. Well No.
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UNIT LETTER	330 FERT FROM THE South	1650	Turkey Track East O
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i 6.	Check Appropriate Box To Indicate 1	Nature of Notice, Report or	Other Data
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OTHER			
	Completed Operations (Clearly state all pertinent des		Pine and the of the second
work) SEC RULE (1		aus, and give pertinent dates, incin	aing estimated date of starting any pro
1.	Move on Pulling Unit and clean of	out to top of Prides al	20501
1	move on retring outt and cream (ar to tob or pridge br	ug @ approx. 2050'
2.	Spot 25 sx plug at top of plug.		
-	opoc 23 ax plug at top of plug.		
3.	Cook 25 or mlyo oh 12001 /li		210
٦.			
	should be above the base of the	salt at 1200'. * Load	HOLE MINING
,	* 5 pot 25 5x & 1300'	•	
4.	Cut $4\frac{1}{2}$ below 325' and pull.		
5.	Snot 25 or plus of 2601 in hors	-E 7 E/OHE	
	Spot 25 sx plug at 360' in base	of / 3/6 surface cash	ng. + iaq
6.	Erect marker with 10 sx at Surfa	ice.	
7	The second secon		
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727	he Welliams	OIL AND GAS INSPECTO	R MAR 27 1987

NEW MEXICO OIL CONSERVATION DIVISION P.O. DRAWER DD ARTESIA, NEW MEXICO 88210

DATE June 11, 1987 Herman J. Ledbetter P.O. Box 5879 Abilene, TX 79608 e: Plugging Reports Gentlemen: Form C-103 Report of Plugging for your Well No.

cannot be approved until an N.M.O.C.D. representative has made an inspection of the location and found it to be cleared to comply with Division Rules and Regulations. Please check each item in the space provided to indicate that the work has been done.

- 1. All pits have been filled and leveled.
- 2. Rat hole and cellar have been filled and leveled.
- 3. A steel marker 4" in diameter and approximately 4' above mean ground level has been set in concrete. It must show the quarter-quarter section or unit designation, section, township and range numbers which have been permanently stenciled or welded on the marker.
- (~) 4. The location has been leveled as nearly as possible to original top ground contour and has been cleared of all junk and equipment.
- 5. The dead men and tie downs have been cut and removed. (\cdot)
- 6. If a one well lease or last remaining well on lease, the battery and burn pit locations have been leveled and cleared of all junk & equipment.

The above are minimum requirements and no plugging bond will be cancelled until all locations for plugged and abandoned wells have been inspected and Form C-103 approved

When all of the work outlined above has been done, please notify this office by filliin the blank form below and returning this letter to us so that our representative will not have to make more than one trip to the location.

OIL CONSERVATION DIVISION

Oil & Gas Inspector

FILL IN BELOW AND RETURN

I certify that the above work has been done and the above mentioned lease is ready for your inspection and approval.

OK- Darrell Moore 7-6-87

:' ZERO:	Property A St. #1 F FNU 1650 FEL Se ORLG./COMPL. DATE: 1962	c. 12 /95 29 E CASING PRO	
MMENTS:		SIZE/WT./GR./CONN.	DEPTH SET
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	/322-	-	
	45 95# J-		
	TOC CAIC, 1.	00 SXS. 322 @ 75% off.	
	2210-30		
	2287		

Submit 3 Copies To Appropriate District Office District I Energy, Minerals and Natural Resources	Form C-103 Revised March 25, 1999
1625 N. French Dr., Hobbs, NM 88240	WELL API NO. 30-015-03603
1301 W. Grand Ave., Artesia, NM 88210 OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III 1220 South St. Francis Dr. 1000 Rio Brazos Rd., Artec, NM 87410 Scarte Fo. NM 97505	STATE FEE
District IV 1220 S. St. Prancis Dr., Senta Fe, NM 87505	6. State Oil & Gas Lease No. B = 77/7
SUNDRY NOTICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name:
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	No. a
1. Type of Well:	LOHNED A" STATE
Oil Well Gas Well Other	
2. Name of Operator Jim Firee	8. Well No.
3. Address of Operator	9. Pool name or Wildcat
200 W 15+ st. Site 859, Roswell N.M B8203	East Turken Track
4. Well Location	
Unit Letter B: 330 feet from the North line and 16	SA feet from the FAST line
	•
Section 12 Township 19 S Range R 29 E	NMPM Eddy County N.M.
10. Elevation (Show whether DR, RKB, RT, GR, etc.	
11. Check Appropriate Box to Indicate Nature of Notice, I	Report or Other Data
	SEQUENT REPORT OF:
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12. Describe proposed or completed operations. (Clearly state all pertinent details, and giv	e pertinent dates, including estimated date of
starting any proposed work). SEE RULB 1103. For Multiple Completions: Attach well recompletion.	libore diagram of proposed completion or
CISP AT ZIZ!	
212) -2020' = 10 Sx plug thru Tubing - 700#	Salt gel mud consisting of 10st
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Perf 436-437 4 566	must be placed between each party
1170'	
Set Comand Relamon 1130 - Square 100 ox - sting a	ut Took
Set Comment Retainer 300' Squeze sx thru 436 Set Comment Plug 21 SAXO 300' to sorface-WOK Place 60' of cont outside of 4"2" css	perks, Sting out
Set Count Plug 21 SAXO 300 to Sorface-WOX	Caymes - 735
Place 100' of and outside of 41/2" ess	0-60
The bo of cart course of	
I hereby certify that the information above is true and complete to the best of my knowledge	and halief
SIGNATURE TITLE Agent	DATE_6/23/03
Type or print name 1 por Collice	Telephone No.
(This space for State use)	
APPPROVED BY	DATE -24-03
Conditions of approval, if any:	DAIL OF THE

, ,	Operator Ju PERCE	TOPS
	Well LEONARD STATE A # 1	T. Salt 400
• · · · · · · · · · · · · · · · · · · ·	Unit B Section 12 Township 19-5 Range 29-E	B. Salt 1220
	API# 30-015 - 03603	/ / Yates 1450
	14/11/2 14/4	Glorieta
	CE CEMENT MIKE 1STAT	Delawace
SURFA		Bone Sp.
2 50 المر	AXS - CIRC to SURF.	Abo
		Wolfcamp
-	145 LONG STRING: 9.50 *	Моггом
WRF CASE	CEMENT-100 SX	Devonian
7%"	2000	FusselmanOther
20 = -1		Outer
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10"HOLE		Contact OCD 24 hrs. prior to any work do
Tear and		Salt gel mud consisting of 10# brine with
U2510		of gel per bairel must be placed between e
-		plug
		Install dry hole marker as per rule 202.B.2
3		Plugs are to be set from point indicated up
.		Plugs must not be less than 100' or 25 Sac
2		of coment, whichever is greater, unless
i i		specifically indicated.
Dec 3		Shoe and stub plugs will be 50' above and
JOD-AND!		below shoe or stub and tagged.
LAG HOLE	Top SALT 400'	Surface plug will be from 0'- 60'
But Horse	•	Where plugs are required cement must be
		placed inside and outside of all casing
	· 🛉	string(s), in the correct footage or sacks
	·	required, if no cement exists. Plugs to be tagged will be indicated.
		ridgs to be digged will be indicated.
•	SALT 1245 CALCULATED	
¥	XXXXXXX Cement Top	
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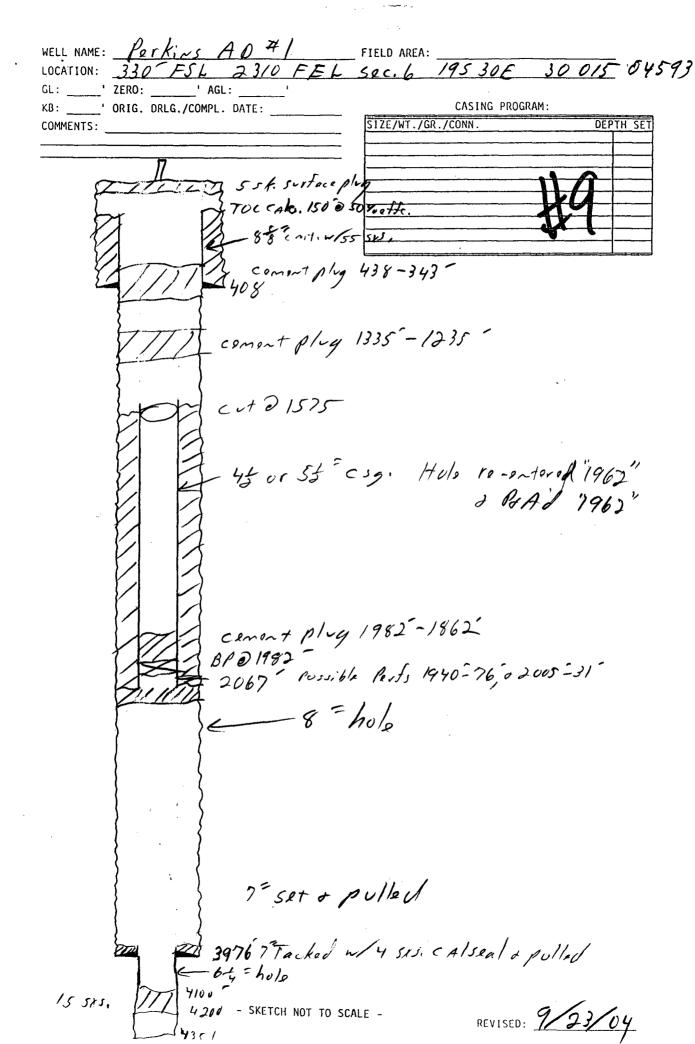
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yard mix, Inspected by Mike Bratcher, NMOCD. 10/2/03. Set dry hole marker. Cut and removed anchoss, closed pit, cleaned up location. Ready forfinal inspection. Thereby certify that the information above is true and complete to the best of my knowledge and belief. TITLE DATE DATE Type or print name Jim Pierce Telephone No. 505-622- This space for State use)	Submit 3 Coming Tip Appropriate District	T
1361 W. Comman. Annex. Annex. 1985 SECTION 1228 South St. Francis Dr.	Office State of New Mexico	
1361 W. Cound Are. Aresis. 1985 8210 122 South St. Francis Dr. Dr. Dates III 1000 Rb branch Rd. Arec. 1987 11 100	District 1 1625 N. French Dr., Hobbs, NM-88240	
SUNDRY SUSTED AND REFORTS ON WELLS ON ON TUSE THIS FORM FOR PROCESSA STREETH OF TO DEEPEN OR PAUS BACK TO A DEFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROCESSALS) 1. Type of Well: Oil Well Well Well Gas Well Other 2. Name of Operator 2.00 N. First Street; #859, Roswell, NM 88203 4. Well Location Unit Letter B : 330 feet from the North line and 1650 feet from the East line Section 12 Township 195 Range 295 NMPM Eddy County NM 10. Elevation (Show whether DR, RKE, RT, GR, etc.) 11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON CREMETJOB TEMPORARILY ABANDON CHANGE PLANS COMPLETION CREMETJOB OTHER: 12. Describe proposed or completed operations. (Cherty state all pertinent details, and give pertinent datas, intenting any proposed work). SEB RULE 1103. For Mahidple Completions: Athach wellbore diagram of proposed completion or recompletion. 9/30/03. Rigged up Basic Well Service, cut off well head, latched on 41/2" casing, backed off casing @ 15821 x 252, laid down same, rigged down pulling unict. 10/1/03. Ready mix from surfacewith 2 yards rat hole mix, 5 sacks per yard mix, Inspected by Mike Bratcher, NMCO. 10/2/03. Set dry hole marker. Cut and removed enchose, closed pit, cleaned up location. Ready forfinal inspection. THERE DATE IN ATTER THERE DATE IN	District II	
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APPROVED

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(SUBMIT IN TRIPLICATE) Confed

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-00

Land Office Lane Gruss

Lease No. 194 01144

Unit 0

APR 2 1362

SUNDRY NOTICES AND REPORTS ON WELLS (C. C. C.

		ARTERIA (JEF IC
NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	-
		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	X
		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	ļ		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Perkins "A-D" Well No. 1 is located	d 330 ft. from			Oft. from $\left\{egin{array}{c} \mathbf{E} \\ \mathbf{F} \end{array}\right\}$ line of	
() Sec. and Sec. No.)	108 (Twp.)	(Range)	M.M.	P. M. eridian)	
Wildcar (Field)	Eddy	or Subdivision)	******	(State or Territory)	ico

The elevation of the derrick floor above sea level is ______ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Re-entry OTD 4351, PBTD 2067, BP at 1982.

Ran the to 1980 and ran cement plug 1982-1862. Fulled the cut and freed cag. @ 1575'. Using casing, set cement plugs 1335'-1235', and 4438-343'. Surface marker at surface in 5 sx. cement. Thick aquajes mud between all plugs. PSA 6:00 PH 1-28-62

JAN30 1962

U. S. GEOLOGICAL SUNVLY

ARTESIA NEW MEYICO

Lunderstand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

	•••••••••••••••••••••••••••••••••••••••			,	
Company	Yates Petroleum Corpora	tion			****
Address	309 Carper Building		`		
	Artesia, New Maxico	By 1	.) <u>C.</u>	Kindix Geologist	(4 age ()
	,	Title C	Co.	Geologist	

HELL NAME	Kee have #2	FIELD AREA: 7 195 R30F 30 015 04592
KB:	' ZERO:' AGL:' ' ORIG. DRLG./COMPL. DATE:	CASING PROGRAM: SIZE/WT./GR./CONN. DEPTH SET
	Se Assums 10° 84° 24° Tue eale	
284-}	10 543, 270	7-300
	30 srs. 1356	2 2061 apulbol 0-1250
	2061 20 s.w. 2250 = 64 = hole 2537 - SKETCH NOT TO SCALE	

•

#10

ARTESIA OFFICE COPY Budget Bunau No. 42 Rais 4 Approval expires 12 31 60. Form 9-381 a (Feb. 1941) Las Cruces Land Office (SUBMIT IN TRIPLICATE) 066087 UNITED STATES K DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL SUBSEQUENT REPORT OF WATER SHUT-OFF NOTICE OF INTENTION TO CHANGE PLANS SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING SUBSEQUENT REPORT OF ALTERING CASING NOTICE OF INTENTION TO TEST WATER SHUT-OFF NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR NOTICE OF INTENTION TO SHOOT OR ACIDIZE SUBSEQUENT REPORT OF ABANDONMENT NOTICE OF INTENTION TO PULL OR ALTER CASING SUPPLEMENTARY WELL HISTORY NOTICE OF INTENTION TO ABANDON WELL

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Roswell, New Mexico December 15 19 58 $\frac{|R|}{|S|}$ line and 1650 ft. from $\frac{|E|}{|W|}$ line of sec. 6 is located 1650 ft. from Bast Perhay Track - Queen The elevation of the derrick floor above sea level is 3407 ft.

. . . . 4

DETAILS OF WORK

objective sands; show sizes, weights, and lengths of proposed casings; indi-ing points, and all other important proposed work)

Verbal permission and method of plugging well secured by 12-15-58 Mr. Fowler Hix from your office.

Plugged with 20 sx from 2250' - 2350', 30 sx from 1350'-1250': 12-17-58 10 mx from 300'-270'. Regulation marker placed in top of hele with 5 ax cement.



I understand that this plan of work must receive approval in writing b	A配置のManager of the Geological Survey before of erations may be commenced
Company LECHARD OIL COMPANY	
Address P.O. Box 708 - Roswell, N.M.	
· · · · · · · · · · · · · · · · · · ·	By Arrange and A
	Title Timothy T. Leonard Secty-Treas.



TRETOLITE DIMSION



Petrolite Corporation 22 West Main Street asia, NM 88210-2041

(505) 746-3588 Fax (505) 746-3580

> Reply to: P.O. Box 1140 Artesia, NM 88211-1140

WATER ANALYSIS REPORT

Company Address : SDX RESOURCES

: 03/27/97 Date Sampled: 03/26/97

Lease

: ARTESIA, NM : SANTA NINA

Analysis No. : 001

Well

Sample Pt. :

	ANALYSIS			mg/L		* meq/L
1.	рН	5.6				
2.	H2S					
3.	Specific Gravity	1.030				
4.	Total Dissolved Soli	.ds		43776.0		
5.	Suspended Solids			NR		
б.	Dissolved Oxygen			NR .		
7.	Dissolved CO2			NR		
8.	Oil In Water			NR		
9.	Phenolphthalein Alka	linity (CaCO3)			
10.	Methyl Orange Alkali	nity (CaC	203)			
11.	Bicarbonate		HCO3	183.0	HC03	3.0
12.	Chloride		Cl	25986.0	Cl	733.0
13.	Sulfate		SQ4	125.0	\$04	2.6
14.	Calcium		Ca	2380.0	Ca	118.8
15.	Magnesium		Mg	1288.9	Mg	106.0
16.	Sodium (calculated)		Na	11813.1	Na	513.8
17.	Iron		Fe	2000.0		÷
18.	Barium		Ba	NR		
19.	Strontium		Sr	NR		
20.	Total Hardness (CaCo	3 '}		11250.0		•

PROBABLE MINERAL COMPOSITION

*milli equivalents per Lit	.er	Compound	Equiv wt	X meq/L	= mg/L
++	++				
1 1191 *Ca < *HCO3	1 31	Ca (HCO3) 2	81.0	3.0	243
>	11	CaSO4	68.1	2.6	177
1061 *Mg> *S04	31	CaCl2	\$5. \$	113.2	6279
\/ </td <td> </td> <td>Mg (HCO3)2</td> <td>73.2</td> <td></td> <td></td>		Mg (HCO3)2	73.2		
514 *Na> *Cl	7331	MgSO4	60.2		
+~~~	4	MgC12	47.5	106.0	5048
Saturation Values Dist. Wa	ter 20 C	NaHCO3	84.0		
CaCO3 13	mg/L	Na2SQ4	71.0		
Ca\$04 * 2H2O 2090	mg/L	NaCl	58.4	513.8	30029
BaSO4 2.4	mg/L				

REMARKS:



SCALE TENDENCY REPORT

Address

Company : SDX RESOURCES

: ARTĒSIA, NM

Lease

Well Sample Pt. :

: SANTA NINA

Date : 03/27/97

Date Sampled: 03/26/97 Analysis No. : 001

Analyst : STEVE TIGERT

STABILITY INDEX CALCULATIONS (Stiff-Davis Method) CaCO3 Scaling Tendency

S.I. = -1.1 at 60 deg. F or 16 deg. C S.I. = -1.0 at 80 deg. P or 27 deg. C S.I. = -1.0 at 100 deg. F or 38 deg. C S.I. = -0.9 at 120 deg. F or 49 deg. C S.I. = -0.8 at 140 deg. F or 60 deg. C

CALCIUM SULFATE SCALING TENDENCY CALCULATIONS (Skillman-McDonald-Stiff Method) Calcium Sulfate

\$ = 2929 at 60 deg. F or 16 deg C S = 3145 at 80 deg. F or 27 deg C 3267 at 100 deg. F or 38 deg C 3304 at 120 deg. F or 49 deg C S ≈ S = 3320 at 140 deg. F or 60 deg C \$ ≈

Petrolite Oilfield Chemicals Group

Respectfully submitted, STEVE TIGERT





MILLER CHEMICALS, INC.

Post Office Box 298 Artesia, N.M. 88211-0298 (505) 746-1919 Artesia Office (505) 392-2893 Hobbs Office (505) 746-1918 Fax

WATER ANALYSIS REPORT

Company : SDX RESOURCES : ARTESIA, NM Address

: 8/28/04 Date Sampled: 8/26/04 Analysis No.: 00769

Lease : SANTA NINA "A" FED. Well

: #2

Sample Pt. : WELLHEAD

	ANALYSIS			mg/L		* meq/L
1.	pH	5.6				
2.	H2S	0				
3.	Specific Gravity	1.070				
4.	Total Dissolved Sol	ids		137449.8		
5.	Suspended Solids			NR		
6.	Dissolved Oxygen			NR		
7.	Dissolved CO2			NR		
8.	Oil In Water			NR		
9.	Phenolphthalein Alk	alinity (C	aco3)			
10.	Methyl Orange Alkal					
11.	Bicarbonate	-	HCQ3	244.0	HCO3	4.0
12.	Chloride		C1	83496.0	Cl	2355.3
13.	Sulfate		SO4	1750.0	SO4	36.4
14.	Calcium		Ca	9760.0	Ca	487.0
15.	Magnesium		Mg	1901.0	Mq	156.4
16.	Sodium (calculated)		Na	40286.3	Na	1752.3
17.	Iron		Fe	12.5		
18.	Barium		Вa	NR		
19.	Strontium		Sr	NR		
20.	Total Hardness (CaC	03)		32200.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt	X meq/L	= mg/L
487 *Ca < *14CO3 4 /> 156 *Mg> *SO4 36	Ca (HCO3) 2 CaSO4 CaC12	81.0 68.1 55.5	4.0 36.4 446.6	324 2480 24781
1752 *Na> *Cl 2355 ++	Mg (HCO3)2 MgSO4 MgC12	73.2 60.2 47.6	156.4	7445
Saturation Values Dist. Water 20 C CaCO3 13 mg/L CaSO4 * 2H2O 2090 mg/L BaSO4 2 4 mg/L	NaHCO3 Na2SO4 NaCl	84.0 71.0 58.4	1752.3	102407

REMARKS:

Affidavit of Publication

	•	NO.	18	586	-
STATE	OF NEW MEX	ICO			
County	of Eddy:				
Gary D	. Scott			t	eing duly
sworn,s	says: That he is	the	Publis	her	of The
Artesia	Daily Press, a	daily news	paper of	gene	ral
circulati	ion, published in	n English a	at Artesia	, saic	county
and cou	unty and state, a	and that th	e here to	atta	ched
<u> </u>			Legal	Notic	е
was pul	blished in a reg	ular and e	ntire issu	e of t	he said
Artesia	Daily Press,a d	aily newsp	aper dul	y qua	lified
for that	purpose within	the meani	ng of Ch	apter	167 of
the 193	37 Session Law	s of the st	ate of Ne	w Me	exico for
	1 consecutive	e weeks/da	ays on th	e san	ne
day as t	follows:				
First Pu	blication	Augus	t 26	2	2004
Second	d Publication				
Third P	Publication				
Fourth I	Publication			1	
	Jan		SIN	A,	4
Subscri	bed and sworn	to before	me this		
31st	Day	August	2	004	
Bur	1 1	V (98	7	_	

Notary Public, Eddy County, New Mexico

September : 23, 2007

My Commission expires

Copy of Publication:

LEGAL NOTICE

NOTICE OF APPLICATION FOR INJECTION WELL PERMIT

SDX Resources, Inc., c/o P.O. Box 953, Midland, TX 79702 will file the New Mexico Oil **Conservation Division** Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administra-tive approval for water injection into their Santa Nina for Well #1 located in Section 7, T19S, R30E, 330 FNL and 330 FWL (A), Eddy County, New Mexico. The injection water will be sourced from the Delaware Formation at approximately 3860'. The proposed injection interval is from 2212-2232. The proposed maximum surface pressure is 400 psi., with a maximum injection rate of 400 bbls water per day. All interested parties opposing the application must file objection with the New Mexico Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87505 within 15 days of this notice. Additional information can be obtained by contacting Ann Ritchie, Regulatory Agent, SDX Resources, Inc., c/o P.O. Box 953, Midland, TX 79702, (432) 684-6381. Published in the Artesia Daily Press, Artesia, N.M. August 26, 2004. Legal 185/ Application for Authorization to Inject SDX Resources, Inc Santa Nina #1 Section 7, T-19-S, R-30-E, A Eddy County, NM

Notification to Offset Operators:

Yeso Energy PO Box 2248 Roswell, NM 89250

Jim Pierce 200 W First Street # 859 Roswell, NM 88203

Chisos Limited 670 Dona Ana Rd SW Deming, NM 88030

Surface Owner:

Bureau Of Land Management New Mexico State Office PO Box 27115 Santa Fe, NM 87502

A copy of the Application for Authorization to Inject has been sent by certified mail to the above listed parties on this the 23 day of September, 2004. Please see attached evidence of proof.

Kay Maddox - Regulatory Agent

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary

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

October 22, 2004

Chuck Morgan SDX Resources, Inc. PO Box 5061 Midland, TX 79704

Re:

Application for SWD

Santa Nina #1

Eddy County, New Mexico

Dear Mr. Morgan:

It appears that there are offsetting producers within this proposed Queen injection interval.

Please send a short explanation of why this injection will not harm that production, or will actually help this production. If possible use engineering or analogy or some other reasoning.

In addition, state in your reply whether Jim Pierce or Yeso Energy has corresponded with you about this proposed injection well and what their thoughts are on the effect on their production.

Sincerely

William **V**Jones Jr. PE wvjones@state.nm.us

505-476-3448

cc:

Oil Conservation Division - Artesia

SDX Resources, Inc.

P.O. Box 5061 MIDLAND, TX 79704 TEL: (432) 685-1761 FAX: (432) 685-0533 TOLL FREE: (800) 344-1761

Oct. 28, 2004

NMOCD 1220 South St. Francis Drive Santa Fe, N.M. 87505 ATTN: William V. Jones Jr. P.E.

RE: C-108 Santa Nina #1 (API # 30-015-04594)

Gentlemen,

I contacted Jim Pierce today in regards to SDX Resource's application to convert the Santa Nina Fed. #1 into an injection well. He had no objections. He also indicated that he was the owner of the two wells that showed up on the application as being operated by Yeso Energy.

The conversion of the Santa Nina #1 should not be detrimental to the existing offset production. There were several wells on the offset leases that were Queen injection wells in the past. These wells (Specifically the Leonard St. #1 & #4 OCD order R-4062) have been plugged and abandoned. Injection into the Queen formation in the Santa Nina #1 could help maintain reservoir pressure and actually enhance production in the offset leases.

If you have any more questions or need any more information pleasse feel free to contact at the above numbers. Thanks for your assistance on this matter.

Sincerely.

Chuck Morgan