DATE IN / 1-14-05 SUSPENDED NOS | LOGGED IN TYPE SUD | APRO 531928-73 (

# NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505



	<u> </u>						<u> </u>	<del></del>
	A	DMINISTR	RATIVE A	PPLICA	rion Ci	HECKLIS1	<u> </u>	
THIS CHEC	KLIST IS MANI			APPLICATIONS FO		S TO DIVISION RULI ANTA FE	ES AND RE	SULATIONS
[D	Non-Standa HC-Downho [PC-Pool [W	nrd Location] [i ble Comminglin Commingling] FX-Waterflood i [SWD-Salt W	NSP-Non-Stan g] [CTB-Lea [OLS - Off-Lo Expansion] ater Disposal]	idard Prorationase Commingionase Storage] [PMX-Pressure]	n Unit] [SD- ing] [PLC [OLM-Ofi re Maintena on Pressure	Simultaneous l -Pool/Lease Co l-Lease Measur nce Expansion	mminglin ement] 	·9]
[1] <b>TYPE</b>		ICATION - Cl ocation - Spacin NSL		ıltaneous Dedi				
		ne Only for [B] of Commingling - S	Storage - Meas	urement LC PC	OLS	□ OLM		
	[C] I	njection - Dispo	sal - Pressure PMX S	Micrease - Enh	anced Oil Re	ecovery PPR		
	[D] C	ther: Specify	· · · · · · · · · · · · · · · · · · ·					
[2] <b>NOTI</b>	FICATIO			Those Which a riding Royalty		Does Not Apply ners	FAL	en de la companya de La companya de la companya de
	[B] [	Offset Opera	ators, Leasehol	lders or Surfac	e Owner			• • • • •
	[C]	Application	is One Which	Requires Publ	ished Legal	Notice		r <sub>efu</sub>
sy sa was wi Limbara sa sa sa	[D]	Notification U.S. Bureau of Land	and/or Concur d Management - Com	rrent Approval	by BLM or ands, State Land O	SLO		
	[E]	For all of the	above, Proof	of Notification	n or Publicat	ion is Attached,	and/or,	
	[F]	] Waivers are	Attached	general en	al the		,	•
		RATE AND CO			ON REQUI	RED TO PROC	CESS TH	IE TYPE
approval is acc	urate and c		best of my kno	wledge. I also	understand	this application that no action vision.		
	Note: Sta	tement must be co	empleted by an in	dividual with ma	nagerial and/o	r supervisory capa	icity.	
Print or Type Nar	me	Signatur	e		Title			Date
								•

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

E Or	a de consta executado e	
	7°**	FORM C-108
	Revi	sed June 10, 2003
A :	* 47 // N	1 <b>3</b>

	APPLICATION FOR AUTHORIZATION TO INJECT 2005
I.	PURPOSE: Secondary Recovery Application qualifies for administrative approval?  Pressure Maintenance Storage Yes Nov 170v
II.	OPERATOR: RAY WESTALL ADDRESS: P.O. BOX 4, LOCO HILLS, NAI 88255
	CONTACT PARTY: RANDACE HARRIS PHONE: 505 677-2370
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? Yes No If yes, give the Division order number authorizing the project:
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,</li> <li>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.).</li> </ol>
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: KANDACC HARRIS TITLE: GEOLOGIST
	NAME:   CANDACC   ARRIS TITLE:   GEOLOGIST   SIGNATURE:   DATE: 10/24/05
*	E-MAIL ADDRESS:   Tharrisam C Metscape. net  If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.  Please show the date and circumstances of the earlier submittal:

#### 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.

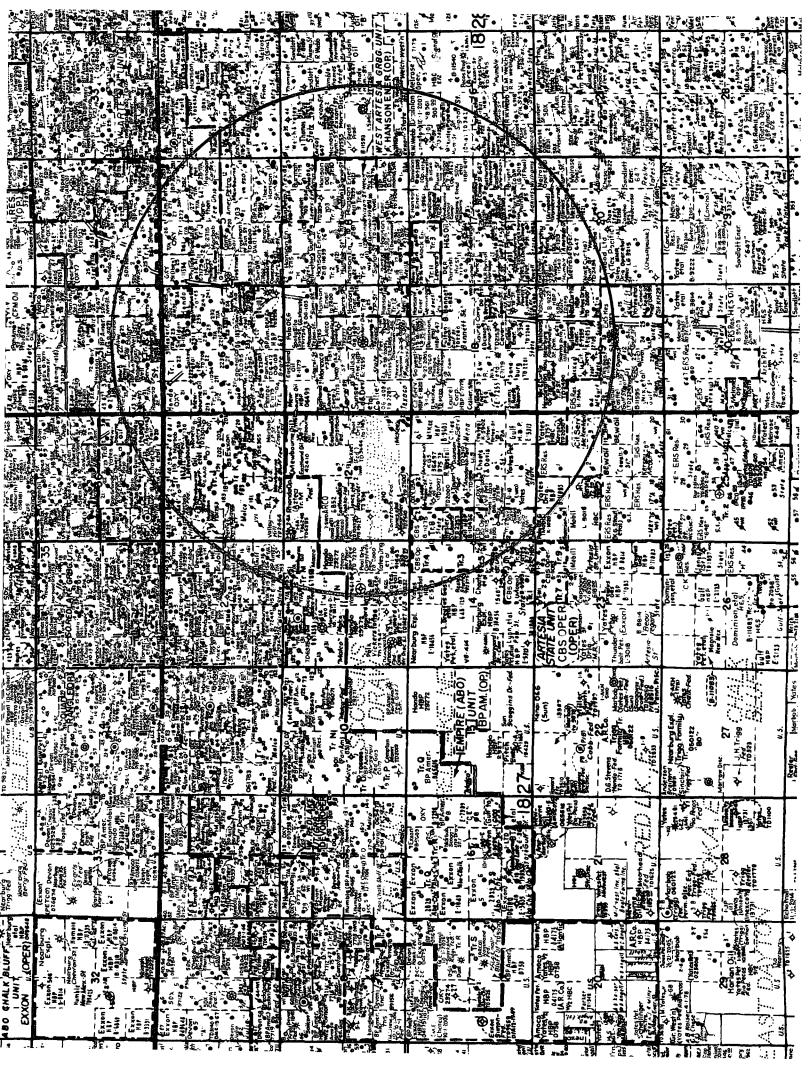
OPERATOR: RAY	WESTALL		
WELL NAME & NUMBER:	R: STATE CG #1	API 30-015-25361	
WELL LOCATION: 1980' ESC \$	90, FCL \$ 2310, FEL		185 286
	FOOTAGE LOCATION	UNIT LETTER SECTION TO	OWNSHIP RANGE
WELLBO	WELLBORE SCHEMATIC	WELL CONSTR	WELL CONSTRUCTION DATA Surface Casing
	DEN 1/8 PLASTIC LINCO		/2 - /
	- CMT CIRCULATED	Hole Size: ///2 Casi	Casing Size: /3 78
	- cmt circulto	Cemented with: 500 sx. or	H <sup>3</sup>
	- 418' 13 18 54.5#	Top of Cement: SURFACE Meth	Method Determined: 6/1/2 CUCATED
		Intermediate Casing	Ŝū
	1 2585 956 36#	Hole Size: 1214 Casi	Casing Size: 95%
to grant constraints		Cemented with: /252 sx. or_	H <sup>3</sup>
:		Top of Cement: SURFACE Meth	Method Determined: CIRCUL #7E1)
Talahan da akan da		Production Casing	St
		Hole Size: 778 Casi	Casing Size: 5/12
		Cemented with: 2300 sx. or	ft3
WILLIE ROTES			Method Determined: TEMP
7850	X	Total Depth: 10,380	
28/1-8/4/		Injection Interval	11
:		7948 feet to	7982 PERFURATED
<u>स्वा</u>	10,150 CIBP+255X5 CMT	(Perforated or Open Hole; indicate which)	dicate which)
	# 10 190' CH" 17#		

ı		1			ı		I	. 50" HULE.			
Lining Material: PCASTIC	MICKLE PLATED MOD R	pplicable):	Additional Data	Yes X	If no, for what purpose was the well originally drilled? バルの名様のい ころみら	CANYSN CISCO BOUGH C	le):	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. 10,2/2-16,22c 60,20 150 100,000 150 25 2xs, 26 20, 25 2xs	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: (FRA) BURG - SAMAMPRES (600 - 4000)	10,206-10300	
ubing Size:	KER	acker Setting Depth: ABC Casing Seal (if applicable):		. Is this a new well drilled for injection?	If no, for what purpose was the wel	Name of the Injection Formation:	. Name of Field or Pool (if applicable):	Has the well ever been perforated intervals and give plugging detail, is $\frac{2}{2}$ $\frac{2}{5}$ $\frac$	Give the name and depths of any oi injection zone in this area:	M6 M0W 10,206	

# **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.

050	Koriador O 🗥	E M sacrif	an ANTALIES		SENT CAME T			//· <b>W</b> A <i>d</i> /	LIANT CATE COM			
iu.	avera 13	20 Delly	21.	12 34/23 Tr	GEN	43 67	Honson	31 80 7	547" F. SOX -	STATEM		
	PIOS 2	120	Rojo Gra	rde Yate est (Spier) hty (Spier)	s Mew.	2	Cockbur	If He a say	74 NW-57.	Hondo		Frace Willes
Į.	2 2	1	4 43 752 1	h Y Rojoka	5 10 d	HORSON Enec.	Moder &	22°+W	TIA		YW-51. 5 - 51.	72 CA 10 200
13	जिस्से ।	Yoxy	Pt.26	H 13	1 500	13.76	TBPAANO	VA Bober Well Sel	Hondo	SDX Re	s. // 26	21179
Page	Mooryde		Memborum	FILE H A Har	1401004)	TY AY	Bobent ?	V 32		WWS.	F65	BPANL 4 K
Š	22.46	9.00	27Y - 17		15 1	7 SIL	CST.		000-13 0 <sub>74</sub>	257	r.H = 26   Rei Stote	277 211 12
2	48.332	// /4 20 1		riast, etai		Home 20	137. (2				31016	Detty St. PiR
.446	10.08 105	× 637	184 (018	31 40 C 9 3 N	2'88881 Iprob	Honde	( Tr. 1	Sinesiera Mariera	7 50X Kes	CXY	T/A \$ 26 5	ZAm.Petra
	Hondo 8-9299 ● 1 St. Abo	2 Speir,	torbeb.	Townson	20	SI	// OSS	SHelden	MS 24	251 (1bex) 6 23	OXY	27 6 BP
150	Devon.	15	THE WAY	ros Oil.	Moneta .	Mew-	Street of	M _ 2314	an inspec	Philide	ZGI TVA	2
压	100) 61.H	A CONTRACT		GAAO PO	TO 230120	Bourne O	1070	, Tr. K	95 10.23	ETITO	- FA	T/A T/A
9.2	Tr. Joil	1 7 H	753	7.4		PTCJE	11334922		232 9241	Jenings.	E-2715	hon .
	BP Amer	Perry E	183 184	191 201 193 Ex		212	553	221(23	MC	Thomas Con	LPSt.	Fee Unio e
Sei	lobil eldi y	S EMPLY S	946	Tr Kan	197	051	IICapitalo		Mary En.	<b>1</b>	COLLE - LSO	74
.B/	5/ 161	1 "40	CO 783	ו אכים	N. T.	Membour	TDZO95	是今日	on Managam	T HERITAGE	Frostmon )	703 (Membe
i5	The 16 O	171	gie .	十一分,特	£365 _20	क्रिंस डा	Memoria 103359		o Kara	B 2013	TD8500 /	70T-
5 1	BP Amer.	Valley -	Tr. L	9 Mg 43	Marbob	Penroc	PonAm.	BPAm De		F. Fool Jr.	Enran -	DIRHI
	T/A A5*	Hill TDZ464	*4 Me	مصسمه	LP St. C.	E-7179 Tr. L 04	OG-103	BPAm.DC	W. A	Comerce &	I dinare	Hansi
<b>33</b>	51, 16	250 2 EA F	?hondaOp			Mew	Eost land	181				Ampelous IT
Tr	M Gilme	84530T	Aztec) Tr. M	England (	urne Dill		Oil	SontaRita		E-2715	CO. 1644 bS.C	A PIA
781	Malco~	TD6295	"Fed."	42410	ENTIDOUTED	06693		MODE OF	06403	Jr.4.	(1-0)	Sandlett
4	Hoods	2-SWDA	O/A	4		Eastions	Morexco	Tejon-51.	"Sum St."	Belivether) Hanson	Free E	evers.EstA
	Hondo HBP 29272	CMOJECON	ACO	i	FostlandOil		<b>₩324</b>	YARCO	Ener	21 8 1163	3 56	703 LO
	Stane	AMOUND EA	elloading!	1 6 9	Comstack Fed.	3 /6-7173	(MO) (3.6	st. more	3	MI SIS	5 T	-7 W6 7
84	307 Fed. 30 7270	16 103925 76 19121	Jones, etal.	12 Huckee			<del></del>	7 FRED	Honson,	Honson E	T. WA	Hanson E
֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	Pool Drig.	778 19127	Magruder i TV 594	IME IPS	64 10 145	Dynset 406.Dev	.Fa~ 1.06	06)409 06)409	Eudi Piu	21155 153	(5-E)	9 Tr 6
Çe 1	18 5000 -		•			etal	1	Sunsete Z	a 25	WIST	(2)Aminoid	/ilson-\$f.welc St) <b>O</b> ll so Nix:
5	latesung _et a!	3				06:4094	21 9.29.2	Pet. LIW	TP-St"	Signal-	57 "10 6330	- 1000\ TUZ
	41643	2 Jones e	ki Fed." Idi		(McKee)	1002582	761795 5.23	Pet. J. W. 1005, Youke 12005 Unice minion AGL	A-11-	Prize M	Dominion (	ner. 188 Filk BC Relay Inc
2 1	₹₹8 25	<b>P102510</b>	10 210		\$ 22	Texoco"	Simpson .	中华			T 2003	P firesbamoi
j Je	CBS Op.	CBS 2	OXY,USA		φ² ø1	Cit Serv	Sowest-	NV.D. Duer	Hoperoo	Men VIE	-3/9/2	Honson D
	Tr.4	4-11275	4 1404 7 Artesia-St.	Ansoerlo		HBP E-1820	9.27.2004	13 18 100S	Ener •	10 % WI MC	KK Er.	Ener. 1 6
		Tr.8	PARESIEI 102047	126407	Mikee"	R. McKee	D8760	Cominion, Plai HBP 647	M. dwest	Tr. II	Tr.3 WIN	andberg Sout
<b> </b>	•1	Resieral	TD2000	R. Westa:	8-9603	R. McKee 163020 V Laurel Corp.	Srockings	Fulton A	Bennett	Leonard's	H&S Oil	OZAZ LHU
1	Tr.3	12353	A Joylo		FeServ.)	Corp. HBP E-7179	31. COM	(Rogeh) Eulf.gr T02260 -	100	Parrish I	1 /16	uno (On
13		B-10456	Ø 42 An	dorfo Edio	Мела	HBP E-7179 Callier, SAR	•	Bennett.	Si. "	E 7 1795 )	The same	Hams & Reed
te (	Tr.5, 23	CESOP	O OXY		7703637	क्रिक्छ ३	T	Bigurel C	(0W C	Signal St.	Addition 1	3. Herebard
	Viese 4	2100 1 9 64	(V·F Port) M·I·ZÓ13 L·IJ4JQ	d Davis	K-5902 Fulton Yotes-31	P50.	R. 2	Dickson \$ 1	DO Prin	DER Portish	O' Z POER	6 Mendouri
	けいか	0-20	575 90 - 3/20W	44.	P24	(E-1255	E 10. 23	י ענוששי י	77.79	Z LNIX	10 3	Sich B Ton
P. 1		TY CEXT	100.0	Yorks Per	Gulf	Simms a	E-/1/3	Cevers.	- VE PO 4	M. 21. Com	13: Y 53 1 (8)	12568 Jane
iş,	Yours	419519 A	Yates	•	H.B.P.	Wilson-Sr.	burg	Prer. 4	Yoles Pet	A Wewb	durine 3	Portcole Col
	20 HBC	N. W.	MY	He .	E-5313	1	70 2 2 01 5 f	78 3344	S. Lowell	Pet	PSI. 200	וושרו אל ווצרו
BS	Oper.	YIASSIF,	Yotes Drig.	ERS Kes.	Yates	Harrist	JE 19	R.Willioms	Volcs.etol	uel Prope	2101-30421	Adkins-Will
3-AC	Tr.9 5	K-1050	HBF 1	. 1	L-3757 HBC Kersey TP2050 Y	Headingh OG-789	Service Service	minder !	0 000	147702	ling 11(A	mpod) Dei
Š		Service St.	0-11043	•'	16 50 50 A	T.P.St. TD249	Som	O Prife Di	555° - 1	77599) 2 westin.   18 8 11540	11313	macremen 25
Si (	Mobil)	Mobil	AL			ERS Res.	McKed !	Lil dog 11	MOREOUT HIS	Melrose C	meredos III	mois Hum moist & We elrose   Me
" "	rtesia i	L-3016	Kersey	, 2 M	ckeeMel/	8-7966	. 2. 1	EINET,	Hope Votes Drig 0 2600	● 2 6	47 e 1 6	ser los
+	J. Onir 1	_ HBC	_#51	•	03,^	M' Gurt	14° 4	2705 万 1	· · · · · · · · · · · · · · · · · · ·	NixeCurti Bullist 1 D2434 Y	Westin   Tw	6·W
۱, ۱	xxon	ERS Res. E	ERS Kes.	BE,WOIL	BW	و الألق	RS Res 19			Arwood,	7.7 : <b>2</b> ?O	BHUT
ľ		- C Pan. # 1	. •	•		. Zalfanifi Y		I WWW VOVA	😼	1122		Ches



## **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.

One well the Duke AGI #1 has penetrated the proposed injection zone within one mile, completion attached.

		22324253								
Submit To Appropria	s District Office	~6 	State of	New Mexic	0				n	Form C-105
Submit To Appropris State Lease - 6 copies Fee Lease - 5 copies	/SV	<b>A</b> Ene	igy/vinerais	and Natur	ai Resources	Г	WELL API 1	10	Re	vised March 25, 1999
1625 N. French Dr.,	Hobbs, 4288240	Sill and	<b>~</b> 3/	rvation Divi			WELL API		- ?	2324
District I 1625 N. French Dr.,   District II 1301 W. Grand Aver District III 1000 Rio Brazos Rd. District IV 1220 S. St. Francis D	MAREL NMARE	RECE 403		rvation Divi h St. Francis		<u> </u>	5. Indicate 7			
District III	19 OCL	LEIVED	Santa I	e, NM 8750	5 DI. 15	- i		E 🗆	FEE	rst:
1000 Rio Brazos Rd. District IV	, Aztec 1991 87410	ARTESIA		C, 14141 0750	,,	r	State Oil & C			<u> </u>
			~~/				5 - 2 000 200 000 000			
	OMPLETION									
la. Type of Well: OIL WE	II CASSO	01 68 L39	OTHER_	Class	T Fairt	200	7. Lease Name	or Unit Agre	ement Na	ime
OIL WE	LL U GAS WI		Li Oinci			1	~		_	]
b. Type of Comp	oletion:						Duk	E K	76-	
	WORK DEE	PEN [] PLUG BACI		OTHER		ı				
2. Name of Operat		BACI	K KISTK			$\dashv$	8. Well No.			
3				11 m 10 C		ľ	-1	4 1		
3. Address of Ope	ENERGY	Y LIELI	) SERV	nces,	<u> </u>		9. Pool name or	Wildow		
•					^ =u -a-		_			
<u>3300 i</u>	LOPIH A	<b>\</b> S1.	LD6.7	MIDLAN	U. 1X 797	07	<u>リたい</u>	0411	+M	
4. Well Location			•							
Unit Letter	Ø:13	232_Feet From	n The Sou	TH_	Line and 19	127	<u>}</u> F∞	t From The	E	ST Line
			100					ED		l l
Section 10. Date Spudded	1 11 Date T.D. P.	Township	Date Compl. (Read)	Range	28 E	(DFA	MPM RKB, RT, GR,			County Casinghead
~! /	1 ^/	/	. /		1		, ,			
8 14/02		02	7/10/	03	IKKB 3			6//		ft B6L
15. Total Depth		. 1	17. If Multiple Co Zones?	mpl. How Ma	ny 18. Interv Drilled B			1	Cable T	ools
11,52	0 1	1472		-	Diam.	'	11,52	O		_
19. Producing Inte	rval(s), of this com	pletion - Top, Bot	tom, Name				20	. Was Direc	tional Su	rvey Made
Injection	11.207	- II.Ц12.	DEU	0.41 1. <b>4</b> .4	1		4		No	,
21. Type Electric	and Other Logs Rus	111-112	920	574771			22. Was Well	Cored		
	_	_	-165 (*	1) 1	D 1		1	(ن)		
DLL-LDT	-612 C1					- 112		40		
23. CASING SIZ	E WEIG	HTLB/FT.	NG RECORD DEPTH SE		HOLE SIZE	(en)	CEMENTING	RECORD	Δ1	MOUNT PULLED
201		ч	45		24"		Full Re			ACCIVITOLIZED
13 3 8		8	530		17 1/2"		Full Re			
9 58		10	4700		12 /4"		Fall Re			
7"		26	11.520		83/4"		2 5+			
		==								
24.			LINER RECO	RD		25.	Tt	JBING RE	CORD	
SIZE	TOP	BOTTOM	SACKS	ZEMENT SO	REEN	SIZ		DEPTH SE	<del> </del>	PACKER SET
	<u> </u>				<del></del>	é	7/2"	1/15	8	11,122
26 Pa-6a-6a-				——————————————————————————————————————	1000 000	<u>L</u>	CONTROL CONT	(E) 100 001		
26. Perforation			(1-	- $        -$	7. ACID, SHOT EPTH INTERVAL		AMOUNT AN			
11,207 - 11,20	( "Z" ; (O)	265 Shots	s (53 6 2	ナンノー	1207-11,41		40,000		100/	SXE
11,207 - 11,20 11,326 - <sup>11,</sup> 4	12 . do"	1695 skats	(139'05	ر بر <sup>مون</sup>	1201-11,41		40,000	$\int \omega_{l}$	370	ACID FRAC
11,700	) 12 )	W. Y. S. C. C. C.	,,,,	<b>/</b> /						ACID FRAL
28				PRODL	CTION		<u> </u>			
Date First Product	ion	Production Meti	od (Flowing, gas			p)	Well Status	Prod. or Shu	tin)	
		Į		. ,			·		•	<u>.</u>
Date of Test	Hours Tested	Choke Size	Prod'n Fo	f 0	il - Bbl	Gas	- MCF	Water - Bb	1	Gas - Oil Ratio
			Test Peri		<u> </u>				••	022 011,022
Flow Tubing	Casing Pressure	Calculated 2	24- Oil - Bbl.		Geo MCE	l	7-4 7943	1070	· ·	
Press.	Casing Fressure	Hour Rate	4- Ou-Boi.		Gas - MCF	١, ٧	ater - Bbl.	Ou Gr	avity - A	PI - (Corr.)
					1					
29. Disposition of	Gas (Sold used for	fue wented etc)			L			Cast Witness	3 D.	
ar apounion of	() mocto joi	,, +criscia, 686./					1	Fest Witness	a by	
30. List Attachme								75		
F-{05500	)LL - LSS ( ify that the inform	E) DLL-(	DT-612 (3	) CBL	(4) Wel	<u>15</u> ,	chematic	<u>(5)</u>	D'5	T1 6 05 TZ
31 .Thereby cert	yy that the inform	ation shown on	both sides of this	form as true	and complete to	the b	est of my know	vledge and	belief	
	1/1/1/1		Printed,	4 me . 1 . 14		_				- 4261
Signature /	and		Name H	HAN K	HMUKH Til	tle S	R. ENV.	SPECI	<u>4UST</u>	Date 07/22/03

#### **ATTACHMENT VII**

- 1. Proposed average of 500 bbls per day and maximum of 1000 bbls per day of injected fluids. At a rate of one bbl per minuet.
- 2. System will be closed.
- 3. Average anticipated pressure of 500 psi and a maximum of 1500 psi.
- 4. Source of produced water is water from nearby fields, San Andres, Morrow, Queen, BoneSprings. Analysis attached.
- 5. Canyon water analysis is attached.

# Water Analysis

Date: 2/24/2005

2401 Sivley, Artesia NM 88210

Phone (505) 746-3140 Fax (505) 746-2293

## Analyzed For

Westall	St	ate G#1		ddy	New Mexico
Sample Source			Sample #		1
Formation	Canyon		Depth		
Specific Gravity	1.050		SG @	60 °F	1.051
ρH	6.30		S	ulfides	Not Tested
Temperature (°F)	65		Reducing A	Agents	Not Tested
Cations					
Sodium (Calc)		in Mg/L	9,518	in PPM	9,056
Calcium		in Mg/L	5,600	in PPM	5,328
Magnesium		in Mg/L	240	ia PPM	228
Soluable Iron (FE2)		in Mg/L	300.0	in PPM	285
Anions					
Chlorides		in Mg/L	24,000	in PPM	22,835
Sulfates		in Mg/L	2,000	in PPM	1,903
Bicarbonates		in Mg/L	185	in PPM	176
Total Hardness (as CaCO3)		in Mg/L	15,000	in PPM	14,272
Total Dissolved Solids (Calc	)	in Mg/L	41,844	in PPM	39,813
Equivalent NaCl Concentrati	on	in Mg/L	38,410	in PPM	36,546
Scaling Tendencies					
Calcium Carbonate Index					1,038,464

\*Calcium Sulfate (Gyp) Index

11,200,000

Below 500,000 Remote / 500,000 - 10,000,00 Possible / Above 10,000,000 Probable

\*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks

FAX 677-2361

Report #

1732

INJ DISPOSAL ZONG VII. 5



#### **CENTRAL OPERATIONS LABORATORY WATER ANALYSIS REPORT** HOBBS, NEW MEXICO

COMPANY	Marbob					REPORT DATE DISTRICT		W02-128 June 18, 2002 Hobbs	
SUBMITTED BY	Y Jim Trela	1							
COUNTY	ger St. #1		_DEPTH _FIELD			FORMATIC SOURCE	N		
SAMPLE 1	Morrow Prod. W	_							<del>-</del>
Sample Temp.	84	°F			°F	<del></del>	°F		<u> </u> •°
RESISTIVITY	0.13				-		-	<del></del>	<del></del>
SPECIFIC GR.	1.040						-		-
pH	6.93		-				<b>-</b> .		<del></del>
CALCIUM	4,500	mpi			mpl		mpl_		mpl
MAGNESIUM CHLORIDE	6,300 34,983	mpl			mpl		mpl		mpl
SULFATES	light	mpl	-	<del></del>	mpi	<del></del>	_mpi		mpi
BICARBONATES	18	mpi		<del></del>	mpi		_wbl		mpt
SOLUBLE IRON	0	mpi			wb;		mb)		mpi mpi
Sodium	<del></del>	mpl	<del></del>	0	mpi	0	mpi	0	mpl
TDS		mpl		0	mpl	0	mpl	0	mpl
OIL GRAVITY	@	°F		<u>@</u> _	ok.		٩	@	~F
REMARKS									
									· · · · · · · · · · · · · · · · · · ·

MPL = Milligrams per litter Resitivity measured in: Ohm/m2/m

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Co.

ANALYST: Mike Armstrong

Produced Water VIII. 4.

	Artesia	ices Wate District L	_	313		
	Altesia	(505)-746-3				
Company: SDX	k Federal #2	Tost #: Weil #: County: E Formation S Source:	Edity San Andres			
pH:	1 6	.51	emp (F):	58.3	·	
Specific Gravit		.12				
CATIONS Sodium (calc.) Calcium Hagnesium Sarium Cotassium ron	•	mg/l 54502 3208 145B < 25 < 10	me/l 2370.7 160.1 120.0  0.1	ppm 48662 2864 1302  2	٢	
ANIONS Chloride Sulfate Carbonate Bicarbonate		93000 1071 < 1 878	2623.4 22.3 ——————————————————————————————————	83036 957  784		
Total Dissolved	Soilds(calc.)	154120		137,607	•	
lotal Hardnoss	as CaCO3	14014	280.0	12513		
COMMENTS	Rw= 0.0	0 <b>847@</b> 61.1 deg. :				
CaCQ3 Factor CaSQ4 Factor		307 Calcium Carbo 300 Calcium Sulfal				Probable Remole
		Stiff P	lot			· · · · · · · · · · · · · · · · · · ·
60	50 40 30	20 10 00	10 20	30 40	50	60
No & K Ca Mg						CI HCO3 SO4

VII. 4



# **Water Analysis**

Date: 11-Jan-05

2708 West County Road, Hobbs NM 88240 Phone (505) 392-5556 Fax (505) 392-7307

#### **Analyzed For**

Company	We	Name	C	ounty	State	
Devon	Spud	16 State #	1	Lea	New Mexico	
Sample Source	Sample	•	Sample #		1	
Formation			Depth			
Specific Gravity	1.195		SG @	60 °F	1.196	
ρH	5.96		Si	ulfides	Absent	
Temperature (°F)	65		Reducing A	Agents		
Cations						
Sodium (Calc)	. ,	in Mg/L	73,985	in PPM	61,860	
Calcium .		in Mg/L	34,000	in PPM	28,428	
Magnesium		in Mg/L	5,040	in PPM	4,214	
Soluable Iron (FE2)		in Mg/L	50.0	in PPM	42	
Anions						
Chlorides		in Mg/L	188,000	in PPM	157,191	
Sulfates		in Mg/L	550	in PPM	460	
Bicarbonates		in Mg/L	78	in PPM	65	
Total Hardness (as CaCC	)3)	in Mg/L	106,000	in PPM	88,629	
Total Dissolved Solids (Ca	alc)	in Mg/L	301,703	in PPM	252,260	
Equivalent NaCl Concent	ration	in Mg/L	254,733	in PPM	212,988	
Scaling Tendencies	•					
Calcium Carbonate Index					2,654,720	
Below 500,000	Remote / 500,0	00 - 1,000,00	0 Possible / Above	1,000,000 Probab	ile	

\*Calcium Sulfate (Gyp) Index

18,700,000

Below 500,000 Remote / 500,000 - 10,000,00 Possible / Above 10,000,000 Probable

\*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks

rw=.040@63f

Report #

1774

29 Nurona

VII. Y

# rro-kem, inc

r ro™kem	, inc.			~~d.	
WATER ANALYS	IS REF	CRT		1-63	
BAMPLE	•				
Co. ( SDX Resources Sur Lease : Chalk Fed. Dat Well No.: ( ) Dat Selesman:	pie Los. o Ansiyzedi 62 e Sampied 1	-September	-1097		
ANALYELS					
1. pH 2. Specific Graylty 60/60 E. 1.126 3. Caco: Saturation Index 9. 96 F. 10.	067 - Cultin-				
Dissolved Grees	MO/L	Q. WT	*MEQ/L		
4. Hydrogen Bulfide 6. Carbon Dioxide 6. Diesolved Oxygen Not Det	400 125 ermined				
Cations				•	
7. Calcium (Ca**) 8. Magnesium (Mg**) 9. Sodium (Na*) (Calculated) 10. Barium (8a**) Not Det		20.1 = 12.2 = 23.0 =	108.48 66.08 3,242.87		
Anions			•		
11. Hydroxyl (OH-) 12. Carbonate (CD:) 13. Bloarbonate (HCO:) 14. Sulfate (604*) 16. Chioride (Cl-)	586 / 3.000 / 117.073 /	17.0 = = = = = = = = = = = = = = = = = = =	9.00 9.00 9.59 79.92 3,323.18		
16. Intal Dissolved Solids 17. Total Iron (Fe) 18. Total Hardness As CaCOs 19. Resistivity & 75 F. (Calculated) 6	200,010 69 .001 /cm.	18.2 =	3.76	710n	
LOGARITHMIC WATER PATTERN	COMPOUND	e Minera	X FMEQ/L	TION = mg/L.	
No BRH45 BHII+- BHII+ 1-11119 - 11119 - 11119 - 11119 CI	Ca(HCOs) s	81.04	83.8	777	_
Ca PHIT-BUILT-BIHI- HINE THE THE HOOS	C#\$04	68.07	79.92	5,440	G,
MG WHITE BULL BUILT SHIP SHIP THE SOA	CaCI :	55.60	18,95	1,052	
	Mg(HCOs) s	73.17	0.00	Ø	
•	MgSÓ4	60.18	Ø1 <b>0</b> 0	Ø	
Calolum Sulfate Solubility Profile	Macr :	47.62	65.98	3,088	
4410	NaHCOs	84.00	0.00	0	
1976 - Landers American Disconnection Company Company	Na.604	71.03	0.00	0	
	NaCI	58.46	3,239,16	•	
This water is alightly porrosive due to the fine corrosivity is increased by the content of H25, CO2 in solution.	. ALL ANGOINUAS	i on and	inte par L lyele. and the pr	_	
				/ / \	

VII. 4.

ATTACHMENT C

# **ATTACHMENT VIII**

The proposed injection zone is carbonates of the Canyon formation. This carbonate is composed of dolomite. There is possible drinking water overlying the injection in the surface sands at a depth of 0-250'. There is no known source underlying the injection interval.

# ATTACHMENT IX

# Proposed stimulation:

Acidize perforations with 2500-5000 gal 15% HCl.

# ATTACHMENT XI

There is no active fresh water wells within one mile.

# **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**

Leasehold operators within one-half mile of the well location are: Eastland Oil, Mewbourne, Hanson Energy, V.F Petroleum, Duke Energy, Mack Energy and Morexco. Each of the operators were provided a copy of our application by certified mail. Proof of notice is enclosed. The surface owner is the State of New Mexico.

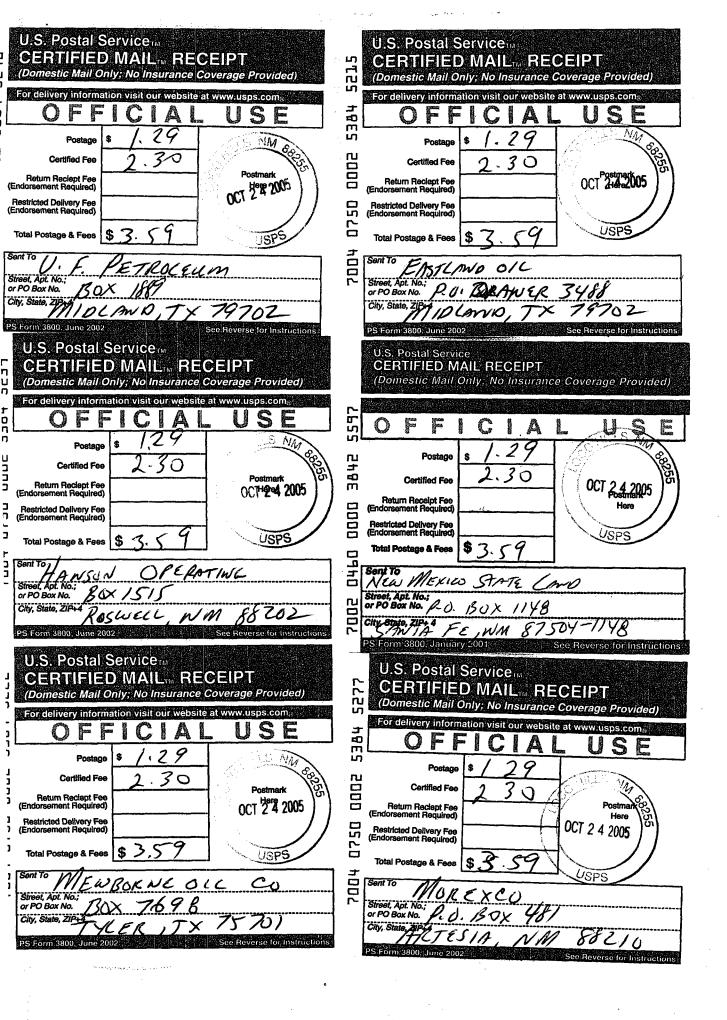
# **PROOF OF PUBLICATION**

Proof of publication is from the Artesia Daily Press and is attached.

	CERTIFIED MAIL
Eastland Oil P.O. Drawer 3488 Midland, TX 79702	7004 0750 0002 5384 5215
Mewborne Oil Co. Box 7698 Tyler, TX 75701	7004 0750 0002 5384 5222
Hanson Operating Co Box 1515 Roswell, NM 88202	7004 0750 0002 5384 5239
V.F. Petroleum Box 1889 Midland, TX 79702	7004 0750 0002 5384 5246
Duke Energy 3300 North A ST BLDG 7 Midland, TX 79705	7004 0750 0002 5384 5253
Mack Energy P.O. Box 276 Artesia, NM 88210	7004 0750 0002 5384 5260
Morexco P.O. Box 481 Artesia, NM 88210	7004 0750 0002 5384 5277
New Mexico State Land Office P.O. 1148 Santa Fe, NM 87504-1148	7004 0750 0002 5384 5297

Oil Conservation Division 1301 W. Grand Artesia, NM 88210

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



U.S. Postal Service™ 5253 CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided) 5384 0005 Certified Fee Return Reciept Fee (Endorsement Required) 0220 Restricted Delivery Fee (Endorsement Required) SPS Total Postage & Fees Sent To U.S. Postal Service CERTIFIED MAIL. RECEIPT (Domestic Mail Only; No Insurance Coverage Provided) 5384 מחחח Certified Fee OCP cetmark Return Reciept Fee (Endorsement Required) חכיח Restricted Delivery Fee (Endorsement Required) USPS ナココン RTESIA, NM 88210

# **Affidavit of Publication**

	NO.	19052	2	
STATE OF NEW MEX	KICO			
County of Eddy:				
Gary D. Scott			_being duly	
sworn,says: That he is	s the	Publishe	of The	
Artesia Daily Press, a	daily newspa	aper of gene	eral	
circulation, published	in English at	Artesia, sai	d county	
and county and state,	and that the	here to atta	iched	
<b>*</b>		Legal No	tice	
was published in a reg	gular and ent	ire issue of	the said	
Artesia Daily Press,a	daily newspa	per duly qu	alified	
for that purpose within	the meaning	g of Chapte	r 167 of	
the 1937 Session Laws of the state of New Mexico for				
1 Consecutiv week/days on the same				
day as follows:				
First Publication	Octobe	r 21	2005	
Second Publication			7.50.	
Third Publication				
Fourth Publication				
N m	<u> </u>	Sept	4	
Subscribed and sworr	to before m	e this		
21st Day	October		2005	
B. L. L	1	2		

Notary Public, Eddy County, New Mexico

September : 23, 2007

My Commission expires

# **Copy of Publication:**

LEC	GAL N	OTICE	
Ray P.O. Box New Me	W	estall-O	perator.
PO Box	4	Loco	Hills,
New Me	xico	88255	Pho-
ne (50 tact p	5)677-2	2370.	Con-
tact p	arty	for	Ray
Mostall-On	aratar :	1999	IS
Randall	Н	arris,	is
Randall seeking approval Mexico Division		admin	istrative
approval	from	the	New
Mexico	Oil .	Cons	ervation
Division	to u	ilize c	a well
located 2310'	1980	Contin	L &
2310	rel ,	Secilo	South.
Iownship	20	East	Eddy
Township Range County,	20 Na	Lasi,	Mexico
known	e the	Stat	e CG
Com #1	for	water	iniec-
tion #3	Proposi	ed	iniection
County, known a Com #1 tion. is in	the C	anvon	forma-
tion the tio	rough	per	iorations
7948-7982	2	NA HI Bir Hillian	feet.
Expected	m	aximum	in-
jection	rate c	of 100	0 bbls
per day ested	at 8	00 psi	. inter-
ested	parties	mus	it file
objection hearing Conserva 1220 Drive,	. or	reques	RS TOT
hearing	With	tne	Division
Conserva	IION	Ce.	Division,
1220	50.	اد. ح	NM
87505	Jania	16 6	lays of
0/303	** 1 ( ) 1   1   1		iaya Ui
the notice Published Daily N.M. Octo	i in	the	Artesia
Daily	Pres	S.	Artesia.
N.M. Octo	ber 21.	2005.	
		Leg	gal 19052
and the second second			<del>-</del>

BONCHC,

	(1	OZO Inject		. 1 17 - 4	,	
			tion Permit Che			
	SWD Order Number	Upd	lated in RBDMS	UIC Form _	St. 100	
	Dates: Division Approved	District A	pproved •	Well Spudded.	0/19/02	
	<b>C</b>	"		11	9/6/85	
	Well Name/Num: 57 a API Num: (30-) 015- 2	to CG #	60			
	API Num: (30-) 619- 2 Footages 980 55L 2	13:0 5 Cl	7 - 100	DRE.		
	Footages 10015 2	Sec PEL Sec	I I ISP 105 HG	le <u>200</u> 2		
	Operator Contact	wall Harris	_			
	Operator Name: RA					
	Operator Address: Po			SNM	88255	
		Hole/Pipe Sizes	Depths	Cement	Top/Method	D5T1=8694-67
	Surface	17/2 133/8	418	500	CIRC	
,	Intermediate	12/4 93/8	2585	1250	FORCERC ?	
M.	Production	77/8 5/2	10380	2300	600' T.S.	
17	Last DV Tool		6,199		CIRC Below	
	Open Hole/Liner		7			
2013 95	Plug Back Depth		10,150	<u> </u>		
() EA 19	Diagrams Included (Y/N): E			n	ت مستعدب	SA ABOVE ORROW Below
	Checks (Y/N): ELogs in Im-	aging Well	File Reviewed	<del></del>	Pred. 2	SA ABOVE
				Producing		Man Below
DUKE AGT	Intervals:	Depths	Formation	(Yes/No)	] M	STOPOU I
DUKE AGT WITHIN MILE	Salt/Potash					
-L/MILE	Capitan Reef				1	
1/2	In Reef, Cliff House, Etc:		014145			
•	Formation Above			1 10	1000	
	Top Inj Interval	7948	CANON	حـــــــــــــــــــــــــــــــــــــ	PSI Max. WHIP	
	Bottom Inj Interval	7982	10/1900/		Open Hole (YM)	
	Formation Below		<u> </u>	<u>l</u>	Deviated Hole (Y	
	Markey Amelicale to should de (A	700. Carabayara	Talantian Zana	<b>-</b>		
	Water Analysis Included (Y Affirmative Statement Inclu		njection zone	Disposal Wate	ers	
	Animalive olatement mole	ded (1714)				
	Surface Owner	·D	(a)			
				a Wall Table	~ (C	
Checks (Y/N): Newspaper Notice Well Table 6 Adequate Well Table 0 CAD/Potash/Others						
AOR Num Active Wells Repairs? Producing in Injection Interval N G						
	AOR Number of P&A Wells	Diagrams Inc	luded? Re	pairs Required?		
				, , –		
	Data to	Generate New AC	OR Table	New Ta	able Generated? (Y/N)	
		STR	Section Footages		-1	
	Wellsite	7/183/28€	5280X	ACTIO	ONS,	TO ROT POOL
	Northeast	,	<u> </u>	1	DSET CIBS	CLOSE TO BOT Perf.
	North		<del> </del>	1		
	Northwest		<del> </del>			
	West			-		
	Southwest	10	5280X	-		
	South Southeast	18	2004	-	(	-
	Southeast	8	5280 X	<del> </del>	oday is 12/28/05	

12/28/2005/3:08 PM

## Jones, William V., EMNRD

From: Jones, William V., EMNRD

Sent: Wednesday, December 28, 2005 5:06 PM

To: Arrant, Bryan, EMNRD; 'rharrisnm@netscape.net'

Subject: SWD Application State CG #1 30-015-25361

#### Hello Randall:

I am having the following problems with this application:

1) No before-conversion Well bore diagram. It appears the well is currently plugged?

2) The proposed "Canyon" injection formation looks like it may be the Cisco Bough "C" according to Bryan Arrant's picks in the well file.

Since the Canyon and the Bough C are both upper Penn, we can probably get by without re-advertising in the newspaper - but the order should be correct.

Please mail (or fax to 505-476-3462) the wellbore diagram and .... resolve the formation name with Bryan and let me know which name is correct.

Regards,

William V. Jones

Engineering Bureau

Oil Conservation Division

Santa Fe



Westall Oil & Gas, Inc.

Independent Oil Producer
Post Office Box 4
Loco Hills, New Mexico 88255
PH. 505-877-2370 • FAX 505-677-2361

# FAX COVER SHEET

	DATE: 12/24/05
FAX NO.	DATE: 12(24/02
TO	: OCID
ATTENTION	: WICCIAM U. JOHES
SUBJECT	: SWD APPLICATION CG # 30-015-25361
SENDER	: RANDALL HARRIS
Nov	nber of Pages: Cover Sheet + = Pages
, 114L	Buck of Fages.
Please call (	505) 677-2370 if you have problems receiving this document.
message: <u>C</u>	URRENT CONDITIONS DIAGRAM
SPORE U	O' NOT HIS TOP FROM OPERATOR'S PICK
10 BOUG 14 6	" NOT HIS TOP FROM OFERATOR'S PICK
AGRESS 6	WITH "CANYEN" NEME BY WELLS NOWOLD PICKS
	Chryon
	Fadall Ja

CUPAENT CONDITIONS
12/29/05

STATE CC" #/ 30-015-25361

N SK & Support 25 JAS CMT 600' 25 SKS (MT (TAL) 1000 25 SKS CMT 2650 CMT CIRC 2885 25 Sx5 Cms (TAG) 3900' 25 Ses CMT 6200' 25 SKS CMT 10,150 CIBP +25 5X5 CMT 10212-10226 MORROW PERFS 10380 5/2 CMT TUP 600' (TEMP

.

Gecl. Tops per/BGA

TX-660
BX-1000
7 Rivers 1145
Quen 1650
San Andres 2230 6040 aba 70 64 Wolfcamp 84 Sc Canyen 8957 Strawn 9675 Atoka Datum 9776 9920 Morrow LS 9982

Morrow CI

This form is to be filed with the appropriate District Office of the Division not later than 20 de, a after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem ests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

			Sout	lheastern N	ew Mexico		<b>`</b> ;			Northwe	estem Ne	w Mexico	
T. B. T.	Salt _ Salt _ Salt _ Yater 7 Riv Queer Grayt San A Glori Padd Bline Tubb Drink Abo _ Wolfo Penn Cisco	n	377 1350 1888 2210 3806 6022 7069 C) <sup>7852</sup> 0,212	T. C. T. T. T. T. M. T. M. T. M.	Canyon  Strawn  Atoka  Miss  Devonian  Silurian  Simpson  McKee  Clemburger  Granite  Delaware Sa  Sone Spring  Orrow Cy  Orrow Cy  Orrow Cy	cle 4 99 cle 3 99 cle 2 101 OIL OR 226	T T T T T T T T T T T T T T T T T T T	Cliff I Dicture Cliff I Menef Point Manco Gallure ase Gree Dakot Morris Todilt Entrac Winga Chinle Permi Penn. SANDS	nd-Fruitled Cliffs louse Lookout s nhorn on la an ''A'' OR ZON	and	T. T	Penn. "B" Penn. "C" Penn. "D" Leadville Madison Elbert McCracken Ignacio Qtzte Granite	
No.	3, from	n	*******************	tr	) <del></del>		N	lo. 6, fro	<b>a</b>	••••••		to	*******************
						'IMPORT			SANDS				
						which water					No-		
No.	1, fron	<b>d</b>		··· ··································		0			•••••••	feet.	NOT	e encountered	**********
Ņo.	2, from	n	***********	. 1 1 <del>1 1 1 1 1</del> 1 1 1 1 1 1 1 1 1 1 1 1					••••••••	feet.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***************************************
No.	S, from	n	*************		t	0	**********	**********		feet.	by ros all toappe	<b>1100000</b> 000000000000000000000000000000	
No.	4, fron	D		) - 1 <del>- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - </del>		o			******	feet.	, +4 <i></i>		
						RECORD (At							
. —	Prom	То	Thickness in Feet		Formati	on		From	To	Thickness in Feet		Formation	
	ا ہا		1	l_									

0 418 418 Surface 418 2015 1597 Anhy 2015 5823 3808 Lime 5823 6774 951 Lime, Shale 6774 6941 7064 123 Lime, Shale 7064 7240 176 Dolo, Shale 7240 10155 2915 Lime, Shale 0155 10380 225 Shale	metion
2015 5823 3808 Lime 5823 6774 951 Lime, Shale 6774 6941 167 Lime, Sand 6941 7064 123 Lime, Shale 7064 7240 176 Dolo, Shale 7240 10155 2915 Lime, Shale	
5823 6774 951 Lime, Shale 6774 6941 167 Lime, Sand 6941 7064 123 Lime, Shale 7064 7240 176 Dolo, Shale 7240 10155 2915 Lime, Shale	
6774 6941 167 Lime, Sand 6941 7064 123 Lime, Shale 7064 7240 176 Dolo, Shale 7240 10155 2915 Lime, Shale	
6941 7064 123 Lime, Shale 7064 7240 176 Dolo, Shale 7240 10155 2915 Lime, Shale	
7064 7240 176 Dolo, Shale 7240 10155 2915 Lime, Shale	
7240 10155 2915 Lime, Shale	



State of New Mexico Form C-103 Submit 3 Copies Energy, Minerals and Natural Resources Department Reviewd 1-1-8 to Appropriate District Office <u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVISION WELL API NO. P.O. Box 2088 30-015**-**25361 DISTRICT II P.O. Drawer DD, Artesia, NM 88210 Santa Fe, New Mexico 87504-2088 5. Indicate Type of Lease FEE STATE DISTRICT III
1000 Rio Brezos Rd., Aziec, NM 87410 6. State Oil & Gas Lease No. SUNDRY NOTICES AND REPORTS ON WELLS ( DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: State "CG" MELL [ 2. Name of Operator 8. Well No. Mewhourne Oil Company 9. Pool name or Wildcat 3. Address of Op P.O. Box 5270 Hobbs, New Mexico 88240 (505) 393-5905 Well Location N. Illinois Camp Morrow 1980 South : 2310 Feet From The East Line and Feet From The Lise Unit Latter \_ 28E **18**S Eddy Township NMPM 10. Elevation (Show whether DF, RRB, RT. GR, etc.) 3597' GR Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data 11. NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING **CHANGE PLANS** PLUG AND ABANDONMENT TEMPORARILY ABANDON COMMENCE DRILLING OPNS. **PULL OR ALTER CASING** CASING TEST AND CEMENT JOB OTHER: OTHER: 12. Describe Proposed or Completed Operations (Clearly state all pertinent datails, and give pertinent dates, including estimated date of storting any proposed work) SEE RULE 1103. 12/09/95 MIRU pluggers. 12/08/95 Set CIBP @ 10,150'. 12/09/95 Circulate hole with mud. Spot 25 sks. cement on CIBP @ 10,150'. Spot 25 sks. cement plug @ 7050'. Spot 25 sks. cement plug @ 6200'. Spot 25 sks. cement plug @ 3900'. Spot 25 sks. cement plug @ 2885'. Tag plug @ 2650'. Pump additional 25 sks. cement plut @ 2650' at States 12/12/95 request. Spot 25 sks. cement plug @ 1000'. Spot 25 sks. cement plug @ 500'. 12/13/95 Tag plug @ 510'. Spot 25 sks. cement plug @ 400'. Spot 10 sks. cement surface plug. Set State marker. Cut anchors and clean location. OM C 40.00

SHOWATURE	Ment CXOVS	Engineer Engineer	DATE 1/02/96
TYPE OR FRONT NAME	Robert Jones		TELEPHONE NO.
(This space for State Use)			
. —		TITLE	DATE
CONDITIONS OF APPROVAL	_ B ANY:	1110	