STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107 Revised 2-1-82

APPLICATION FOR HULTIPLE COMPLETION

Lea Lease M Laurie "D" on Township	Well No	0, 1986
Lease M Laurie "D"	Well No	
	·	•
	T - 1 1	•
•		
20S	34E	
	plete Items 1 and 2 b	elow.
Upper Zone	Intermediate Zone	Lower Zone
Lea Bone Springs		Laguna Valley-Morrow
9836'-9315'		13,078'-13,008'
Oil		Gas
Rod Pump		Flowing
14 BO		26 BO
0 MCF		620 MCF
9 BW		O BW
ached:		
epths, centralizers of cement, perfora epth, location and y be pertinent. on of all wells on	and/or turbolizers at ted intervals, tubing type of packers and s applicant's lease, al	nd location thereof, strings, including ide door chokes, and sull offset wells on offse
ation indicated the	reon. (If such log i	s not available at the
/		_
14		Date JUN 2 3 1986
	epths, centralizers of cement, perfora epth, location and y be pertinent. on of all wells on nd addresses of ope ell or other accept ation indicated the ed it shall be subm Title Drilling &	the Multiple Completion, showing all case epths, centralizers and/or turbolizers are of cement, perforated intervals, tubing epth, location and type of packers and sa

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

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NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION

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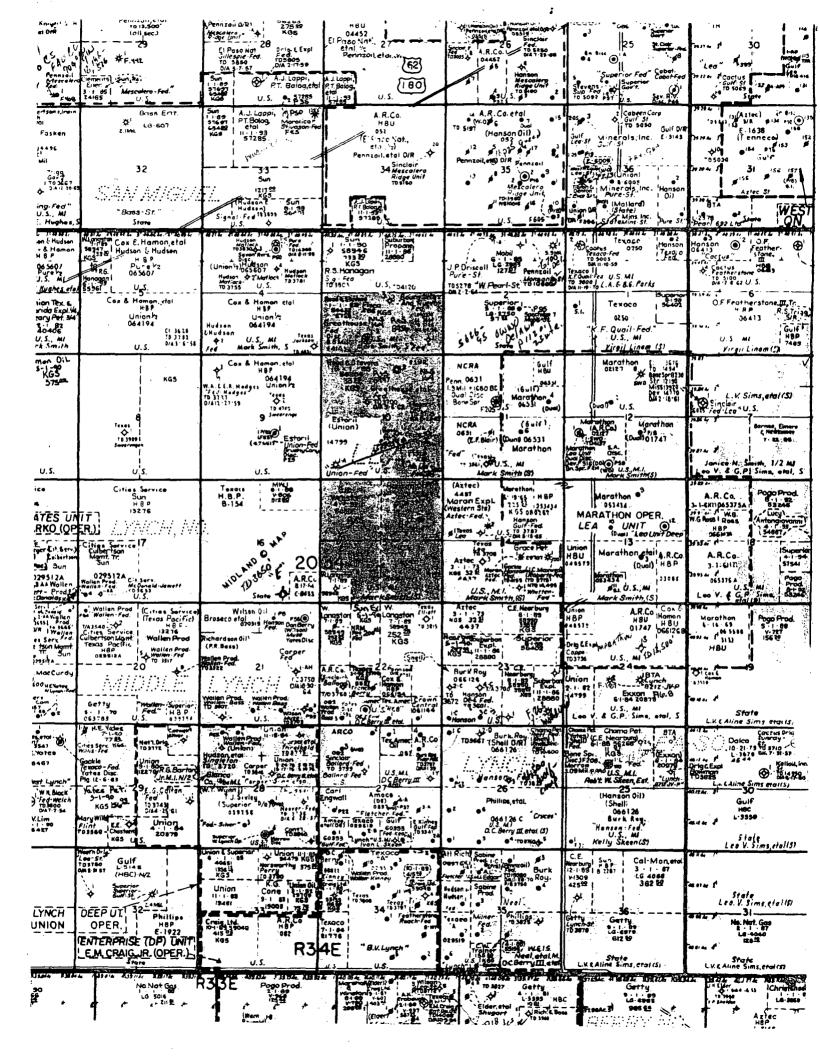
Operator		County		Date
·		_		
Read & Stevens, Inc.		Lease Lea		June 17, 1986
		. -		_
P.O. Box 1518, Roswell	, NM 88202	Township Laur1	e "D" Federal	Range
Location		1		
A	15	20S		34E
 Has the New Mexico Oil Conservation zones within one mile of the subject w If answer is yes, identify one such ins 	vell? YES X	NO		a well in these same pools or in the same U.S. Smelting of Well No.: #1-11 Federal SE/NW Sec.11-20S-34E
3. The following facts are submitted:	I I			T
J, The following facts are submitted.	Upper Zone		Intermediate Zone	Lower Zone
a. Name of Pool and Formation		inaa	Zone	
b. Top and Bottom of	Lea Bone Spr	ings		Laguna Valley - Morrow
"	9836'-931	51		12 070! 12 000!
Pay Section (Perforations)	9030 -931.	,		13,078'-13,008'
c. Type of production (Oil or Gas)	Oil			0
d. Method of Production	OII			Gas
(Flowing or Artificial Lift)	Rod Pump			Florring
4. The following are attached. (Please cl				Flowing
of operators of all leas C. Waivers consenting to tors have been furnish A. Electrical log of the v dicated thereon. (If suc	ses offserting applicant such multiple completed copies of the app well or other acceptabe ch log is not available	nt's lease. etion from each offs lication.* ole log with tops are e at the time applic	et operator, or in lie ad bottoms of produc ation is filed it shal	fset leases, and the names and addresses to the thereof, evidence that said offset operating zones and intervals of perforation in 1 be submitted as provided by Rule 112-A.
5. List all offset operators to the lease of		located together wi	th their correct maili	ng address.
<u>Ownership</u>	Address			
SE/4 Section 10 SW/4 Section 10 NW/4 Section 15 N2/SW&SE/SW Section 15 N/2 Section 22 N2/NW Section 23	Estroil Proc Read & Steve Read & Steve Sun Explorat	duction Co.; ens, Inc. ens, Inc. tion Co.; P.O	400 W.Illinois	Roswell, NM 88202 Suite 1600, Midland, TX 79701
SW/4 Section 14	Merridian O		sta Drive, Mic	lland, TX 79705
NW/4 Section 14 SW/4 Section F1	Kaneb Produc	ction Co.; 40	O Wilco Bldg, Assoc.; 2215 W	Midland, TX 79701 Vilco Bldg, Midland, TX 79701
6. Were all operators listed in Item 5 ab	ove notified and furnis	shed a copy of this	application? YES	NO_X If answer is yes, give
date of such notification	tate that I am the			he Read & Stevens, Inc.
under my supervision and direction and th	mpany), and that I am at the facts stated the	a authorized by said erein are true, corre	company to make the	is report; and that this report was prepared ne best of my knowledge.

Bruce A. Stubbs *Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

Signature

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

LAURIEDFEL #1 Dual Completion 7-29/H P-110 Ltc 3260 3278.75 7 1 26 1/4 N-80 Ltx 4058 23/8"4.7 Het N-80 Buttress Modifiel 23/8" 4.7 1/4 P-105 Buttress Modified Tuking 7337.01 7" 29 1/4 P-110 LT-c TOC Above 8000 2985 BONESPRINGS PerforAtions 9315-9847 perforated sub 9928' Guiberson 7-28-32 44 278"x 278" UNI XXVII DUAL PKR. 10,322.97 Bull Plug 7"29 "/4 5-95L+4C 3500 [XLON-Off Tool W/ 1.875 F Profile 12,943 Guiberson 7-28-32 H Uni VI 10K PKI Perforations 13008-13078-PBTD 13,426' TD 13,803



Form approved.

(Rev. 5-63)	, DE	PARTMENT OF THE	INTERLO		HATE KILETO U	18240	Budget	Bureau No. 42-R355
•		GEOLOGICAL SE			verse side.			GNATION AND SERIAL
				:			NM-0	
a.TYPE OF WELL:	OIL	OR RECOMPLET	ON REPORT	AND LO	G*		6. IF INDIAN,	ALLOTTEE OR TRIBE
. TUDE OF COMO	WELL	WELL	ORY 🗔	OTHER)	Dua I		7. UNIT AGREE	MENT NAME
b.TYPE OF COMPL	IETTON: IORK DEEP-	PLUG	DIFE	٠ .	/	í	8. FARM OR LEA	ASE NAME
	VER EN	BACK	RESVA .	OTHER	Revised		Laurie "D	
NAME OF OPERAT				612×-64			9. WELL NO.	1 60 61 61
Read & Stever	La .	기기기기기기	مراء في ۱۸۰	- Land Control of the Control			1	
ADDRESS OF OPE	RATOR		1005 1	111 -		į		POOL, OR WILDCAT
P.O. Box 1518	RATOR 8	38201 (1)	}					Wildcat Bone Spring
1, EOCA 1014 OF WE	requirements)	** 3 Table 1	List de same	ince twith	any State		OR AREA	M,OR BLOCK AND SURV
At surface	660'FNL & 990'		<u> 24</u>				Sec.15-20	S-34F
At total dept	interval reporte		RMIT NO.	}	DATE ISSUE	<u> </u>		PARISH 13. STATE
AT TOTAL GERT		1	-	1.	-		Lea	NM
15. SPUD DATE	16.DATE TO REAC			ly to prod) 18. ELEV		B,RT,GR,ETC.)*	19. ELEV CSGHE
9-14-85	12-2-85		27-86 22. IF MUL	T COMP II	OH MANY2*	36 42 1		ARY TOOLS CABLE TO
20. TD, MD & TV(13,821'	13,	, 426 '		2			RILLED BY 0	1-13,8211 -
	TERVAL(S) OF THE				AND TVD)*		25. WAS DIRECT	FIONAL SURVEY MADE?
	0781 - Pennsylvar		711 - Bone	Springs				No
	IC AND OTHER LOGS		•				13	27. WAS WELL CORED
	CNL, MLL, DLL, Ca				!			Yes
28.	VEIOUT 10 /FT	CASING RECOR		E SIZE			NG RECORD	AMOUNT PULLET
CASING SIZE	WEIGHT, LB./FT.	520	MO) HOL	26"			Osx Class "C"	None
13 3/8"	68#, 61#, 54,54			17 1/2"			Osx Class "C"	Circ 50sx
9 5/8"	43.5#	52091		12 1/4"			Osx Class "H"	None
7"	26#, 29#	138211		8 1/2"			" & 325sx HLWC	None
29.	LINE	R RECORD			30.		TUBING RECOR	RD
SIZE 1	TOP (MD) BOTTO	OM (MD) SACK	S CEMENT*	SCREEN	(MD) SI	ZE	DEPTH SET (MD	PACKER SET (MI
						/8"	12,9361	12,936'
				<u> </u>		/8"	99201	99201
31. PERFORATION	RECORD (Interval	i, size and num	ber)	32.			CTURE, CEMENT SO	
Manna				13,008	TERVAL(MD)		NT AND KIND OF	2% NE-FE acd w/30% (
Morrow:				13,000	-13,076	ACUZ W		28 NC-1 C dCu #/ 308 C
	PF, 166 holes)			98361-	09711	Acdz	/2000male 15#	NE acd w/70 ballsea
Bone Springs	: (111, 2 SPF, 22)	holas)		703014	9071			NE-FE acd & 18000gs
	(16', 2 SPF, 32 i						pad & 16000ga	
	(61, 7 holes)			94701-	-96121			NE-FE acd w/53 balls
9490!-9508!	(181, 19 holes)					Acdz w	/16000gals 20%	NE-FE acd & 18000ga
9604'-9612'	(81, 9 holes)					gelled	water in 4 st	ages.
93151-93421	(271, 1 SPF, 28 I	holes)		93151-	-93421	Acdz w	/6000gais 20%	NE-FE acd w/4560# r
						salt &	Benzoic acd.	
33.* ** Morro		1100 /51		RODUCT I ON			L WELL CYAT	UC (0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
DATE FIRST PR	1	HOD (Flwg, gas owing	litt, pumpi	ing - size	в & туре от	pump)	1	US (Prod or SI)
DATE OF TEST			PROD I	FOR C	OIL -BBL.	GAS-	MCF. WATER	-BBL GAS-OIL RF
1-23-86	4	11/64"	TEST PE		6	CAOF		1
	URE CASING PRES				GAS-MCF.			OIL GRAVITY-API (C
17.72	0	24-HOUR R	AT E	36	CAOF 186	55	. 0	53
** Bone	Springs **							
DATE FIRST PR 2-1-86	,	HOO (Flwg, gas mping 2"x1 1/4			a & type of	pump)	i	US (Prod or SI)
DATE OF TEST			PROD		DIL -BBL.	GAS-	MCF. WAT ER	ducing -BBL GAS-OILRA
5-22-86	24		TEST P		28			8 -
FLOW TBG PRESS	URE CASING PRES	SURE CALCULATE	,		GAS-MCF.	,	- (OIL GRAVITY-API (CO
34. DISPOSITION	OF GAS (Sold, use	24-HOUR R		- Recer	HED LOST	RECD8		42 TNESSED BY
	Sold; Bone Sprin				Surs	0	1	I Lowder
35. LIST OF ATT				~		200	- Lary	, 20,00.
None					JUN 4 19	980		
	rtify that the f	oregoing and at	tached info					ined from all availa
records.		1-1-1-		C49191	BAD, NEW	LXEXI.	co	
· 25	~ ~ t/-	4 /		-, (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				

Drilling & Production Manager

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Form 3160-5 (November 1983)	UNITED STATES DEPARTMENT OF THE IN	FERIOR (Other i	N TRIPLICATE * cstructions on re-	Budget Burea Expires Aug	au No. 1004-01 st 31, 1985
(Formerly 9-331)	DEPARTMENT OF THE IN BUREAU OF LAND MANA	HANDAL SALZE STORE	de) EXICO essas	5. LEASE DESIGNATION	
- II	NDRY NOTICES AND REPOR		0 68240	NM-06570 6. IF INDIAN, ALLOT	TEE OR TRIBE NA
(Do not use this form fo	proposals to drill o	r to deepen or p	olug back to	-	or much
a different reservoir. U	e "APPLICATION FOR PE	WHT-" Torradon	proposals.)	7 INIT ACDEDMENT NA	
1. OIL GAS WELL X	OTHER			7. UNIT AGREDMENT NA	ME.
2. NAME OF OPERATOR	July 1	3 1900 [1]	· · · · · · · · · · · · · · · · · · ·	8. FARM OR LEASE NAM	
Read & Stevens, Inc.		NO STATE		Laurie "D" Feder 9. WELL NO.	aj
3. ADDRESS OF OPERATOR P.O. Box 1518, Roswell, N 4. LOCATION OF WELL (Report 10	M 88201			9. WELL NO. 1	•
4. LOCATION OF WELL (Report)	ocation, slearly and in	accordance with	n State	10. FIELD AND POOL,	OR WILDCAT
	space 1/ below.)			Lea Penn	e CHOVEY OD ADI
At surface 660'FNL & 990'FEL				11.SEC,T,R,M,OR BLK Sec. 15-T2OS-R34	
14. PERMIT NO.		Show whether DF	,RT,GR,etc.)	12. COUNTY OR PARISH	
- Ch-al-		2' GL	Notice Descrit Ot	Lea boa Data	NM
	Appropriate Box To Indi	icate nature of		BSEQUENT REPORT OF:	
	-			· ·	
TEST WATER SHUT-OFF FRACTURE TREAT	PULL OR ALTER CASI MULTIPLE COMPLETE	NG	WATER SHUT-OFF FRACTURE TREATME	REPAIRIN NT ALTERING	
SHOOT OR ACIDIZE	ABANDON *		SHOOTING OR ACID		L
REPAIR WELL	CHANGE PLANS		(Other) Notice o	f First Production	X
(Other)				sults of multiple com Recompletion Report a	
	ng any proposed work. I	If well is directiones pertinent to ong the Laurie "D	tionally drilled g to this work.) *	ive subsurface location	ons and measure
I hereby certify that the fo	pregoing is true and co	prrect			
SIGNED Du	Pstoble	TITLE Drillin	g & Production Man	ager DATE M	ay 23, 1986
(This space for Federal or	r State office use)				
APPROVED BY	,	TITLE		DATE	
CONDITIONS OF APPROVAL, I	ANY:	11124		DAIL	
	ACCEPTED FOR REG			MAY 27 1828	
	55 = 1555			N. 1975	<i>,</i>

CARLSBAD, NEW MEXICO

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NO. OF COPIES RECEIVED DISTRIBUTION NEW MEXICO CONSERVATION COMMISSION Form C-104 REQUEST FOR ALLOWABLE Supersedes Old C-104 and C-110 SANTA FE Effective 1-1-65 AND FILE U.S.G.S. AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS LAND OFFICE OII TRANSPORTER GAS OPERATOR PRORATION OFFICE Operator: Read & Stevens, Inc. Post Office Box 1518, Roswell, New Mexico 88202 Address: Reason(s) for filing (Check proper box) New Well X Change I Other (Please explain) Change in Transporter Of: Recompletion Casinghead Gas Change in Ownership Condensate If change of ownership give name and address of previous owner I. DESCRIPTION OF WELL AND LEASE Pool Name, Including Formation Lease Name Well No. Kind of Lease Lease No. Laurie "D" Federal Federal NM-06570 morrow Location II. DESCRIPTION OF TRANSPORTER TO THE NORTH Range Name of Authorized Transporter of OIT V Line and _ 9901 Feet From The __East 34E ,NMPM Lea Address(Give address to which approved copy of this form is to be sent) - R 1986 Inc ITN P.O. Box 6196, Midland, TX 79711-0196 Texaco Trading & Transportation Name of Authorized Transporter M. Casinghest 198 LINVISION X Address(Give address to which approved copy of this form is to be sent) CANTA FE P.O. Box 1320, Hobbs, NM 88240 Llano, Inc. Unit Sec. IWA Rge. If well produces oil or liquids, Is gas actually connected? give location of tanks Na April 1, If this production is comminated with that from any other lease or pool, give commingling order number: III. COMPLETION DATA Oil Well Gas Well New Well Workover Deepen Plug Back Same Res'v Diff, Res'v Designate Type of Completion-(X)Date Compl.Ready to Prod Total Depth P.B.T.D. Date Soudded 9-14-85 1-27-86 Elevations(DF,RKB,RT,GR,etc) Top Oil/Gas Pay Name of Prod. Formation Tubing Depth 3642'GL Penn 13,008 13.936 Perforations Depth Casing Shoe 13,008'-13,018'; 13,036'-13,038'; 13,044'-13,078' 13,821 TUBING, CASING, AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT 26" 20" י520 500sx HLW & 200sx Class "C" 17 1/2" 13 3/8" 3,200 500sx HLW & 300sx Class "C" 12 1/4" 9 5/8* 5,209 · 225ex HLC & 300ex Class "H" 13,821 8 1/2" 1175ex Class "H" & 325ex HLWC 2 3/8" 12,9361 None IV. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load and must be equal to or OIL WELL exceed top allowable for this depth or be for full 24 hours) Date First New Oil Run To Date of Test Producing Method(Flow, pump, gas lift, etc.) Tanks: Length of Test Tubing Pressure Casino Pressure Choke Size Actual Prod. During Test Oil-Bbls. Water-Bbls. Gas-MCF CAS WELL Gravity of Condensate Length of Test Bbls. Condensate/MMCF CAOF 1865 4hrs 53 6 Tubing Pressure (Shut-In) Casing Pressure(Shut-in) Choke Size 4-Point 1772 11/648

Actual Prod. Test-MCF/D Testing Method(pitot, back pr) OIL CONSERVATION COMMISSION PERTIFICATE OF COMPLIANCE APPROVED I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and TITLE DISTRICT 1 SUPPRISOR that the information given above is true and complete

(Signature)

Drilling & Production Manager (Title)

February 24, 1986 (Date)

to the best of my knowledge and belief.

This form is to be filed in compliance with Rule 1104. If this is a request for allowable for a newly drilled well, this form must be accompanied by a tabulation of the deviation tests taken on the wellin accordance with Rule 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III & IV for changes of owner, wel name or number, transporter or other such change of condition. Separate Forms C-104 musdt be filed for each pool in multiple.

Form C-102 Supersedes C-128 Effective 1-1-65

RONALD J. EIDSUN.

3239

Well No. READ & STEVENS, INC. RIE "D" FED. County Unit Letter 20S LEA Actual Footage Location of Well: EAST feet from the NORTH Ground Level Elev Producing Formation Dedicated Acreage: 3642.0 Morrow 320 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consuliduted by communitization, unitization, force-pooling, etc? If answer is "yes," type of consolidation _ Yes If answer is "no," list the owners and tract descriptions which have actually been consolidated. (I'se reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION I hereby certify that the information con-990' NM-06570 George R. Smith Hanson Oil Corp. 50% Position HWC Inc. Prop. 23.75% Agent for: Rufus Gordon Clay 8.33% Concany Margaret Couch Tr.8.33% Read & Stevens, Inc. Evelyn O'Hara Tr. 8.34% James C Brown **June 21, 1985** by certify that the well location 5/30/85 Registered Professional Engineer and/or Land Surveyor

2000

800

120 1650

•	R. L.		,			
Form 3160-59	P. O. 2017 HOBBS, N	PARTMENT OF SHEETINT	ERIO R (Othe	T IN TRIPLICATE * r instructions on re-	Expires	Bureau No. 1004-0135 August 31, 1985
(Formerly 9-	331)	BUREAU OF LAND MANAG	EMENT Verse	side)	5. LEASE DESIGN NM-06570	ATION AND SERIAL NO.
	SUNDR	Y NOTICES AND REPORT	S ON WELLS		6. IF INDIAN, A	LLOTTEE OR TRIBE NAM
(Do not a	use this form for p	roposals to drill or "APPLICATION FOR PER	to deepen o	or plug back to	-	
1. OIL WELL	GAS WELL X	OTHER	(S)AL	RETINES.	7. UNIT AGREEME	
2. NAME OF O	PERATOR evens, Inc.		A A	CAS	8. FARM OR LEAS Laurie "D"	
3. ADDRESS OF P.O. Box	F OPERATOR 1518, Roswell, NM 8	38201	C 250	11988	9. WELL NO.	
4. LOCATION (OF WELL (Report loca:	tion clearly and in a	accordance v	vith State	10. FIELD AND PO	OOL, OR WILDCAT
At surfa 660'F	ce NL & 990'FEL					BLK & SIRVEY OR ARE
14. PERMIT N		15. ELEVATIONS() 3642		r DF,RT,GR,etc.)		ARISH 13. STATE
16.	Check App NOTICE OF INT		cate Nature	of Notice, Report, Ot	ther Data JBSEOUENT REPORT ()F:
FRACTURE SHOOT OR / REPAIR WEI (Other)	ACIDIZE	PULL OR ALTER CASI MULTIPLE COMPLETE ABANDON * CHANGE PLANS		Completion or	NT ALTI DIZING ABAN 3HP Build-up sults of multiple Recompletion Repo	AIRING WELL ERING CASING HOONMENT * 2 completion on Well ort and Log form.)
estimated	date of starting a		well is dir	pertinent details, ar rectionally drilled gi to this work.) *		
4-8-86				nrulus w/25bbls Brn, T Opsi, CP 39Opsi. Prep		
4-9-86		7400', swbd to SN, ITP 770psi, set bambs		W, 5 BO, RU Keltic Se	rv, ran RHP bombs	, SI @ 11:09am,
4-16-86				CP 1250psi, flwd 3½ 17 Opsi, CP 700psi, FL		
4-17-86	rec'd 13 BO, 6 BW	, swbg fr SN, drop st	tdg vlv, ld	? runs, KO, flwd 30 mi tbg w/54 bbls 2% KOL h BP @ 9937', POH w/R	wtr, tstd tbg @ 1	
4-18-86	9727.13', ran 5jt: 9918.47', ran 212	s tail pipe, 152.36' its 3/4" rds, 1 <i>22</i> jts 1' pmp, 157" stroke,	, SN @ 9883. 7/8" rds, 5	s 2 7/8"-6.5#/' EUE t 07', 4' perf sub 0 98 9jts 1" rds, 6'&4' 1" 0 1:30pm, 0 6:00am 4	88', ljt mud and sub, 22' polish	or w/BP @ rd,
I hereby cei SIGNED		eing is true and con		ling & Production Man	ager DATE	April 18, 1986
	ce for Federal or St	ate office use)				
APPROVED E		<u>ምረን ስርድረን</u>	TITLE	·	DATE	
CONDITION	OF APPROVALE, PURCE	MECORD .				

APR 2 2 1986

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Form 3160-5 (November 1983) (Formerly 9-331)	DEPARTMENT OF THE DEPARTMENT OF FAULT MANY	MIRION GENERI GENERIT Versa ST	N'TRIPLICATE * nstructions on re- de)	Budget Burea Expires Augu 5. LEASE DESIGNATION NM-06570	u No. 1004-0135 ist 31, 1985 I AND SERIAL NO.
(Do not use this form	SUNDRY NOTICES AND REPORT for proposals to drill. . Use "APPLICATION FOR PE	to deepen only	Nug back to	6. IF INDIAN, ALLOTT	EE OR TRIBE NAME
1. OIL GAS WELL WELL X	S, S,	ANTA FEBRUARY	pi oposurs (7. UNIT AGREEMENT NA	ME
2. NAME OF OPERATOR Read & Stevens, Inc.				8. FARM OR LEASE NAM Laurie "D" Feder	
3. ADDRESS OF OPERATOR P.O. Box 1518, Roswell	, NM 88201		Ctato	9. WELL NO. 1	
4. LOCATION OF WELL (Report requirements. * See a	t location clearly and in iso space 17 below.)	n accordance with	i State	10. FIELD AND POOL, (Lea Penn Und 11.SEC,T,R,M,OR RLK) Sec. 15-T20S-R34	design on AREA
660'FNL & 990'FEL 14. PERMIT NO.		G(Show whether DF 12' GL	,RT,GR,etc.)	12. COUNTY OR PARISH Lea	
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) 17.DESCRIBE PROPOSED OR OF estimated date of stard and true vertical deption	CK Appropriate Box To Ind OF INTENTION TO: PULL OR ALTER CAS MULTIPLE COMPLETE ABANDON * CHANGE PLANS OMPLETED OPERATIONS(Clear ting any proposed work. I hs for all markers and zo t the Laurie "D" Federal; e is NM-63249.	licate Nature of SING Ty state all perf well is direct ones pertinent to #1 to Llano, Inc.	WATER SHUT-OFF FRACTURE TREATMEN SHOOTING OR ACID (Other) Completion (NOTE: Report re Completion or Nationally drilled given this work.) *	her Data BSEOUENT REPORT OF: REPAIRIN NT ALTERING IZING ABANDONME on of pipeline sults of multiple comp Recompletion Report ar d give pertinent dates we subsurface location	CASING ENT * X pletion on Well nd Log form.) s, including ns and measured
I hereby certify that the	e foregoing is true and co		g & Production Man	ager DATE Apr	ril 8, 1986
(This space for Federa APPROVED BY CONDITIONS OF APPROVAL		TITLE		DATE	

Hw.2 APR 10 1986

CAPISRAD, NEW MEXICO



Form 3160-5 (November 1983)	UNITED STATES DEPARTMENT OF THE IN	VITERIOR (Other	IN TRIPLICATE * instructions on re-	Rudget l Expires	Rureau No. 1004-0135 August 31, 1985
(Formerly 9-331)	BUREAU OF LAND MANA	CEMENT yerse s		•	ATION AND SERIAL NO.
	SUNDRY NOTICES AND REPOR	OTS ON WELLS	- CAR EXTENSION 85240	NM-06570	LOTTEE OR TRIBE NAM
(Do not use this form a different reservoir	for proposals to drill of . Use "APPLICATION FOR PE	or to deepen or	plug back to	-	LEGITLE ON THE TOTAL
1. OIL GAS	To the second			7. UNIT AGREEMEN	NT NAME
WELL WELL X 2. NAME OF OPERATOR	OTHER 2 12	<u>.</u> • • • • • • • • • • • • • • • • • • •		8. FARM OR LEASE	E NAME
Read & Stevens, Inc.		APR	3 :00	Laurie "D" f	ederal
3. ADDRESS OF OPERATOR P.O. Box 1518, Roswell	NM 88201		LIVISION .	9. WELL NO.	
4. LOCATION OF WELL (Report requirements. See a	location slearly and ir	accordance wi	th State	10. FIELD AND PO	OOL, OR WILDCAT Unles Morro
At surface 660'FNL & 990'FEL	₹	Land Control			BLK & SURVEY OR AREA
14. PERMIT NO.		(Show whether 12' GL	DF,RT,GR,etc.)	12. COUNTY OR PA	
	ck Appropriate Box To Ind		f Notice, Report, Ot	her Data	
NOTICE	OF INTENTION TO:	!		IRSEQUENT REPORT C)F:
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)	PULL OR ALTER CAS MULTIPLE COMPLETE ABANDON * CHANGE PLANS	——————————————————————————————————————	(NOTE: Report re	NT ALTE DIZING ARAN pumping equipment sults of multiple	completion on Well
17.DESCRIBE PROPOSED OR CO	MOLETED ODEDATIONS (Clear	Ny state all n	Completion or extinent details an	Recompletion Repo	ort and Log form.)
estimated date of star	ting any proposed work. In start and zo	f well is dire	ctionally drilled gi	ve subsurface loc	ations and measured
3-18-86 Pild BHP bornite, @ 6:00	ntos, opnd up on 25/64" ch Dam 3-18-86 flwg on 25/64	k @ 11:00am, T " chk @ 50psi,	P 1700psi, oil to su rec'd 40 RO, 41 RW.	rf in 15mins, lef Prep to install	t flwg over- pmpg equip.
anchor 31', N-80 tbg 91	BRLS 2% KCL wtr, unseat perf sub 4', SN 1', 18jt 14.02', ttl 9685.41', 16' ', Bone Springs perfs 931	s 2 7/8" N-80 : KB, tbg @ 970	533 . 89', 1.50' tbg a	nchor 2 7/8"x7",	309jts 2 7/8"
	#T5-676 21/2"x11/2"x16'x1 2jts 7/8" rds, 58jts 1" n				
I hereby certify that the SIGNED	foregoing is true and c	orrect TITLE Drill	ing & Production Man	ager DATE	March 20, 1986
(This space for Federal	or State office use)				
APPROVED BY CONDITIONS OF APPROVAL	TF ANY.	TITLE	,	DATE	
CONSTITUTE OF THE THE	, 4, 7,,,,			SUREAU OF	Sec.
	ACCEPTED FOR RECO	RD			
			. /	1/20	Garage Contract
	<i>Juv</i> Q MAR 2 5 1986		Car	135 / 35 /Do	W.A
	mant & 0 1000			, J.	1
	CAPISBAD, NEW MEX	ICO	1.5		

NO. OF COPIES RECEIVED DISTRIBUTION SANTA FE FILE U.S.G.S. LAND OFFICE OIL GAS TRANSPORTER OPERATOR

NEW MEXICO CONSERVATION COMMISSION REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104 Supersedes Old C-104 and C-110 Effective 1-1-65

MAR 0 - 1483

PRORATION OFFICE	Ĺ	MAR 2 1300	() ()		
Operator: Read & Stevens,	Inc.				
Address: Post Office Box	1518, Roswell, New Mexico				
Reason(s) for filing (Check p	proper box in Transporter Of:	Other (Please	, ,		
Recompletion Change in Ownership	Oil Dry Casinghead Gas Cond	densate month of Ma	owable for 1550 PO (50 ROPD) for the rch 1986; 9470'-9612'; Rone Springs		
If change of ownership give na and address of previous owner	me				
I. DESCRIPTION OF WELL AND LEA					
Lease Name Wel	1 No. Pool Name, Including	Formation Kind	of Lease No.		
	1 Lea Penn		Federal NM-06570		
Location Unit Letter A ;	660 Feet From The No	orth Line and 990	Feet From The East		
Line Of Section 15	Township 20S	Range 34E ,NMPM,	Lea County		
II. DESCRIPTION OF TRANSPORTER Name of Authorized Transporte		Address (Give addres	s to which approved copy of this form		
,		1s to be se	nt)		
Texaco Trading & Transportat Name of Authorized Transporte			land, TX 79711-0196 s to which approved copy of this form		
	or oddriighead was []	is to be se	nt)		
Llano, Inc. If well produces oil or liqui	ds, Unit Sec. Twp.	P.O. Box 1320, Hob			
give location of tanks			1		
If this production is commingi III. COMPLETION DATA	ed with that from any other				
Designate Type of Completi		New Well Workover Deepen	Plug Back Same Res'v Diff. Res'v		
Date Spudded	Date Compl.Ready to Prod	Total Depth	P.B.T.D.		
Elevations(DF,RKB,RT,GR,etc)	Name of Prod. Formation	Top 011/Gas Pay	Tubing Depth		
Perforations		<u> </u>	Depth Casing Shoe		
		, AND CEMENTING RECORD			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT		
	44				
IV. TEST DATA AND REQUEST FOR	ALLOWABLE (Test must be aft	ter recovery of total volume	of load and must be equal to or or full 24 hours)		
Date First New Oil Run To	Date of Test	Producing Method(Flow, pum	or full 24 hours)		
Tanks:		r roadering records (row, par	935 1110, 0001/		
Length of Test	Tubing Pressure	Casing Pressure	Choke Size		
Actual Prod. During Test	Oil-Bois.	Water-Bbls.	Gas-MCF		
GAS WELL					
Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate		
Testing Method(pitot,back pr)	Tubing Pressure (Shut-In)	Casing Pressure(Shut-in)	Choke Size		
CERTIFICATE OF COMPLIANCE		OIL CONSERVATI			
I hereby certify that the rule Oil Conservation Commission ha		APPROVED MAR 2 1	, 19		
that the information given abo	ove is true and complete	HIT DISTRICT	SUPERVISOR		
to the best of my knowledge ar	nd belief.	This form is to be filed	in compliance with Rule 1104.		
2 784	211		allowable for a newly drilled well,		
(Imill Sto	that	this form must be accompa	nied by a tabulation of the deviation		
(Signat	ure)	tests taken on the wellin	accordance with Rule 111. m must be filled out completely for		
Drilling & Produ	uction Manager	allowable on new and reco	mpleted wells.		
(Titl		Fill out only Sections I	,II,III & IV for changes of owner, well		
March 19	1986	Separate Forms C-104 mis	er or other such change of condition. Of be filed for each pool in multiple.		
(Date					

NO. OF COPIES	RECEIVED	5
DISTRIBUTI		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
TRANSFORTER		
OPERATOR		
PRORATION OFFI	CE	

(Date)

NEW MEXICO CONSERVATION COMMISSION REQUEST FOR ALLOWABLE AND

Form C-104 Supersedes Old C-104 and C-110 Effective 1-1-65

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator: Read & Stevens,										
Address: Post Office Box				88202		1	(0)			
Resson(s) for filing (Check p	roper box	in Trans	sgorter Of:	:		. !		explain)		1
Recompletion Oil Dry Gas Testing allowable for 1400 80 (50 80PD) fo										
Change in Ownership		head Gas	s Lond	uensate	لـــا	month	01 1001	uary 1986	; 74/0'-7612'	oone springs
If change of ownership give na and address of previous owner_	une				- 23	<u> </u>				
I. DESCRIPTION OF WELL AND LEA	SE E		**							
		ol Name	, Including	Format	tion	!	Kind	of Lease		Lease No.
Laurie "D" Federal		Lea Penr		,				Federal		NM-06570
Location						*				
Unit Letter A ;		Feet Fro						Feet From		<u> </u>
Line Of Section 15	Towns	hip	205	Range	-	34E ,N	мрм,	Les	Cour	ity
II. DESCRIPTION OF TRANSPORTER	OF OIL A	ND NATUE	RAL GAS							
Name of Authorized Transporte	r of Oil	or	Condensate	• [X]	Ad				approved copy	of this form
Devaco Franco	Zand.	12 1 x	manap			18 t	o be sen	· ()		1
Name of Authorized Transporte	r of Casi			Gas	Ad	dress(Give	address	to which	approved conv	of this form
Llano Inc	J. 3434				1		o be sen			
If well produces oil or liqui	ds,	Unit S	Sec. Twp.	Rge.	Is	gas actua	lly conn	ected?	When	
give location of tanks	}			L	L					
If this production is comming]	ed with t	hat from	any other	lease	OF	pool, give	comming	ling orde	r number:	
III. COMPLETION DATA	- Ta	(1 W-1"	Can Wall	Nov. W	,, 1	Wasterna 1	Do	01us 0s -	le Camp Dans	Dies Danie
Designate Type of Completi	.on-(X) U	il Well	Gas Well	New We	,11	Workover	neebeu	Lind pac	k Same Resiv	Diff. Res'v
Date Spudded	Date Com	pl.Ready	to Prod	Total	Dep	th		P.B.T.D.		
		· -	· · · · · · · · · · · · · · · · · · ·							
Elevations(DF,RKB,RT,GR,etc)	Name of	Prod. Fo	ormation	Top Oil/Gas Pay			Tubing Depth			
Perforations				Depth Casing Shoe						
						NTING RECO	RD			
HOLE SIZE	CASING	& TUBIN	IG SIZE	ļ	EPT	'H SET		SACK	S CEMENT	
IV. TEST DATA AND REQUEST FOR OIL WELL	ALLOWABLE					y of total				al to or
Date First New Oil Run To	Date of					Method(F1].
Tanka:				L						
Length of Test	Tubing P	ressure		Casing	Pr	essure	7	Chake Size		
Actual Prod. During Test	Oil-Bbls			Water-	Bh?			Gas_MCF		
Account 1100. During 1880	ATT-DOTR	•		warer-	-aut	۰.	- 1	uas-ALF		
				L						
GAS WELL		F T .	···	l ns :						
Actual Prod. Test-MCF/D	Length o	T lest		BD1s.	Con	densate/Mi	LF	Gravity	of Condensate	
Testing Method(pitot,back pr)	Tubina P	ressure	(Shut-In)	Casino	Pr	essure(Shu	t-in)	Chake 5	i 79	1
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, . . .			U.IJA0 J		- 1
CERTIFICATE OF COMPLIANCE						OIL CON	ERVATIO	MONITS!	QN .	
I hereby certify that the rule	_		1.1	APPRO	VEP	MA	K 3	1300/	<u>/</u>	_, 19
Oil Conservation Commission ha			11	BY	\rightarrow	ferr	4XH	4/100		
that the information given abo		e and co	mplete	TITLE	/_	DISTRIC	1 SUPI	RVISOR	· · · · · · · · · · · · · · · · · · ·	
to the best of my knowledge an	a pallei.			Thie	fo	rm is to be			ance with Rule	1104
2 Ala	1		l i						for a newly d	
D_ Wanted	4								tabulation of	
(Signat	ure)								e with Rule 11	
			.						filled out com	
Drilling & Produ	ction Man	eger		allow	ab]	e on new ar	nd recom	pleted we	lls.	
(Titl	e)									of owner, wel
			į į						r such change	
February 2	4, 1986									

Separate Forms C-104 musdt be filed for each pool in multiple.

Form 3160-5 (November 1983) (Formerly 9-331)	BURE	UNITED STATES MENT OF THE INTERI W OF LAND MANAGEME	OR (Other NT Verse	IN TRIPLICATE *	5. LEAS	E DESIGNAT M-06570	ureau No. August 31, TION AND SI	ERIAL NO.
	s form for propos	TOES AND REPORTS O als to drill or to ICATION FOR PERMIT	deepen o		6. IF I	NDIAN, ALI -	OTTEE OR	TRIBE NAME
1. OIL GA			707 30	a proposars*/		AGREBMENT		
2. NAME OF OPERATOR Read & Stevens, 3. ADDRESS OF OPERA	Inc.			· · · · · · · · · · · · · · · · · · ·		OR LEASE rie "D" Fe		
P.O. Box 1518, Ro 4. LOCATION OF WELL requirements.	oswell, NM 88201		ordance w	ith State		1	L, OR WILL	CAT
At surface 660'FNL & 990)'FEL				11.SEC, Sec	Г,R,M,OR Р . 15-Т2ОS-		EY OR AREA
14. PERMIT NO.		15. ELEVATIONS(Sho 3642' G	L		Le		NISH 13. S	STATE NM
TEST WATER SHUT-(FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) 17.DESCRIBE PROPOSED estimated date of	OFF PUL MUL ARA CHA OR COMPLETED OP starting any pr depths for all	L OR ALTER CASING TIPLE COMPLETE NDON * NGE PLANS ERATIONS(Clearly s oposed work. If we markers and zones .062 @ 60°F 5.0 15,000+	tate all pli is direpertinent SG Ca Cl HCO3	WATER SHIT-(FRACTURE TRI SHOOTING OR (Other) Wate (NOTE:Repord Completion Dertinent details ectionally drille to this work.) 1.110 @ 60°F 25,000+ 95,000+	SIRSEOUENT OFF EATMENT ACIDIZING er Analysis rt results of n or Recomplet s, and give pe ed give subsur	REPAI ALTER ARAND multiple tion Repor	RING WELL NING CASING COMMENT * completion t and Log lates, incl	X n on Well form.)
I hereby certify th	at the foregoing			ling & Production	n Manager	DATE	March 14,	, 1986
(This space for F APPROVED BY CONDITIONS OF APP			nle			DATE		
				•		WOF LA	NO.	

Sur MAR 17 1986

CARLSBAD, NEV. MEXICO



Form 3160-5 983) O DEPARTMENT OF THE INTERIOR (Other instructions on re- (Formerly 9-331) SUNDRY NOTICES AND REPORTS ON WELLS	Budget Bureau No. 1004-0135 Expires August 31, 1985 5. LEASE DESIGNATION AND SERIAL NO. NM-06570 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.).	-
1. OIL GAS WELL X OTHER	7. UNIT AGREEMENT NAME -
2. NAME OF OPERATOR Read & Stevens, Inc.	8. FARM OR LEASE NAME Laurie "D" Federal
3. ADDRESS OF OPERATOR P.O. Box 1518, Roswell, NM 88201	9. WELL NO.
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements. * See also space 17 below.)	10. FIELD AND POOL, OR WILDCAT Lea Penn
At surface 660'FNL & 990'FEL	11.SEC, T,R,M,OR BLK & SURVEY OR AREA Sec. 15-T20S-R34E
14. PERMIT NO. 15. ELEVATIONS (Show whether DF,RT,GR,etc.) 3642' GL	12. COUNTY OR PARISH 13. STATE Lea NM
16. Check Appropriate Box To Indicate Nature of Notice, Report, Ot NOTICE OF INTENTION TO:	her Data BSEQUENT REPORT OF:
	Sults of multiple completion on Well. Recompletion Report and Log form.) Indigine pertinent dates, including
3-1-86 Flwg 7:00am-3:30pm, 81/2hrs, 25/64"chk, 100-130psi, rec'd 16 B0, 8 gals 20% NEFE acd w/4650# rock salt & Benzoic acd flakes, max preavay rate 4 BPM, max rate 6 BPM, ISIP 2300psi, 5min 2230psi, 10min back 20 BBLS, died @ 9:30pm, 260 BLTR. Ran job as follows: Acid Block Salt Benzoic 1000gals 750 500 250 1000gals 750 500 250 1000gals 850 600 250 1000gals 950 700 250 1000gals 1350 1100 250	ss 6000psi, avg press 4500psi, 2200psi, 15min 2100psi, flwd
3-2-86 Pild thg & pkr, tst thg back in hole, set pkr @ 9200'.	aft each old co
3-3-86 TP 100psi, gas @ surf, FL @ 2400', swbd & flwd, 130 BLW, 1 RO, GG	aft each sub on.
I hereby certify that the foregoing is true and correct SIGNED TITLE Drilling & Production Man	
(This space for Federal or State office use)	

ACCEPTED FOR RECORD

SUND

MAR 6 1986

Form 3160-5 N. N. D. C. Consession	UNITED STATES ARTMENT OF THE INTE	SUBMIT I	N TRIPLICATE *	Budget Burea	au No. 1004-0135 ust 31, 1985
Formerly 9-3315 O. Bull	REALL OF LAND MANAGE	RIOR (Other i MFNT Versesi	nstructions on re- de)	Expires Augu 5. LEASE DESIGNATION	
HOBBU, I & A MEX	ICO 8324 0	*		NM-06570	
	NOTICES AND REPORTS			6. IF INDIAN, ALLOT	TEE OR TRIBE NAME
(Do not use this form for program a different reservoir. Use "A	pasals to drill or	to deepen or IT-" for such	plug back to	-	
1 OII GAS		' i	proposars.	7. UNIT AGREEMENT NA	WE
WELL WELL X OTT	ER MAR 1/2 1/2	زنان		O FADA OD LEACE NAM	
2. NAME OF OPERATOR Read & Stevens, Inc.	H. I.	- (301)		8. FARM OR LEASE NAM Laurie "D" Feder	
3. ADDRESS OF OPERATOR	製造の場合			9. VELL NO.	
P.O. Box 1518, Roswell, NM 882		ccombaco ud	2 54 240	1 10. FIELD AND POOL,	OD WILLDOAT
4. LOCATION OF VELL (Report location requirements. * See also space	Priciparty and in ac	ccordance wig	1 State	Lea Penn	OK WILICAI
At surface				11.SEC,T,R,M,OR BLK	
660'FNL & 990'FEL 14. PERMIT NO.	15. ELEVATIONS(SI	how what has Di	DT CD otc	Sec. 15-T20S-R34	
14. FERVILI NO.	3642'		, KI, GK, etc.)	Lea	NM
	riate Box To Indica				
NOTICE OF INTENT	TON TO:	1	S.J	RSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	ULL OR ALTER CASINO	G T	WATER SHUT-OFF	REPAIRIN	G WELL
	ULTIPLE COMPLETE		FRACTURE TREATME		
<u>LL</u>	BANDON *		SHOOTING OR ACID	LL	
(Other)	HANGE PLANS	 		ure Survey & Fluid An sults of multiple com	
			Completion or !	Recompletion Report a	nd Log form.)
17.DESCRIRE PROPOSED OR COMPLETED estimated date of starting any and true vertical depths for al	proposed work. If v	well is direct	ionally drilled give		
2-28-86 F1wg on 25/64"	chk @ 100nsi in 2/	1hrs ared 11 B	2/ DIN 50.60V (OC, gas est @ 125 MCH	D ran Tomo
<i>J</i> • • •	BP is holding, all				, ran renp
Fluid Analysis:	•	J	,	•	
	060 @ 70°F	c1 112	F.OO		
SG Ph	1.125 5.7	C1 112, SO ₄ hvy	,500		
Ca	17,500	HCO_3 nil			
Mg	7890	Fe hvy	.t mid 0m mare		
ri is id ii iro	m mid set of perfs	That's committee	it into w upr peris.		
I hereby certify that the forest					
SIGNED Show	The T	TITLE <u>Drillir</u>	g & Production Mana	ager DATE Mai	rch 3, 1986
(This space for Federal or Stat	e office use)				
APPROVED BY	Ť	TITLE		DATE	
CONDITIONS OF APPROVAL, IF ANY:					_
				SEAL OF THE	
	•		/	A AMAN	32
, A. T. C. C. T. T. T	FOR RECORD		f	No. Told 42	13E \ 14 FE
	^		a company	"AROAL	7 5
	Sur		10	2010	3
MAR	6 1986		13		* /
			*	N.M.	1
CVBreDVD	NEW MEXICO			MAR O & 1988	<i>-</i>

S.

Form 3160-5 November 1983) (Former 17, 9=331)	DEP	UNITED STATES ARTMENT OF THE INTE BEALL OF LAND MANAGE 2240	RIOR (Othe MENT verse	ri IN IKIPLICATE * er instructions on re- e side)	5. LEASE DESIGNA	ureau No. 100x40135 August 31, 1985 TION AND SERIAL NO.
TODES. 19		<u> </u>			NM-06570	
(Do not use the a different re	is form for pro	NOTICES AND REPORTS posals to drill or PPLICATION FOR PERM	to deepen	or plug back to such proposalis.)	-	LOTTEE OR TRIBE NAME
1. OIL	AS	HER			7. UNIT AGREEMEN	T NAME
2. NAME OF OPERATOR Read & Stevens.					8. FARM OR LEASE Laurie "D" F	
3. ADDRESS OF OPER P.O. Box 1518,	ATOR	201			9. WELL NO.	
4. LOCATION OF WEL requirements.	L(Report locati	on clearly and in a	ccordance	with State	10. FIELD AND PO	OL, OR WILDCAT
At surface 660'FNL & 9	90'FEL					RLK & SURVEY OR AREA -R34E
14. PERMIT NO.	_	15. ELEVATIONS(S 3642'		r DF,RT,GR,etc.)	12. COUNTY OR PAI Lea	RISH 13. STATE
16.	Check Appro NOTICE OF INTEN		ate Nature	of Notice, Report, 0	ither Data UBSEQUENT REPORT OF	F:
TEST WATER SHUT FRACTURE TREAT SHOOT OR ACIDIZ REPAIR WELL (Other)	E	PULL OR ALTER CASIN MULTIPLE COMPLETE ABANDON * CHANGE PLANS	G		ENT ALTEI DIZING ARANI te	RING WELL RING CASING DONMENT * completion on Well rt and Log form.)
estimated date	of starting any		well is di	pertinent details, a rectionally drilled g	nd give pertinent o	tates, including
2-26-86	Perf 9315'-9342 RTTS @ 9360', 1	2', 27', 28 holes,	1 shot/',	rls pkr, TOH, 11jts .45" diam, PU RTTS % i TIH, circ hole, PU to	RBP, TIH, set RBP @	9405', set
2-27-86	TP 10-30psi, garec'd 32 BO, 25	as rate approx 125-	150 MCFD,	wd from 11:00am-5:00p put on 25/64" chk, le 100-125 MCFG, rec'd a	ft flwg overnite, 5	:00pm-6:30am
I hereby certify SIGNED		ing is true and corn		lling & Production Ma	nager DATE	March 3, 1986
(This space for APPROVED BY CONDITIONS OF A		•	TINE		DATE	
CONDITIONS OF A	·	ED FOR RECORD			ST ALL	WO TO THE REAL PROPERTY OF THE PARTY OF THE
	~	rwa			MAR 04	100c

MAR 6 1986

CARLSBAD, NEW MEXICO



Form: 3160-5 (November 1983) (Formerly 9-331)		UNITED STATES . PARTMENT OF THE INTE FUREAU OF LAND MANAGE	RIOR (Other		Expires	Rureau No. 1004-0135 August 31, 1985 ATION AND SERIAL NO.
			TO TO TO	1 3. Et 125.1311	NM-06570	
(Do not use t	this formefor pr	NOTICES AND REPORTS roposals to drill or APPLICATION FOR PERM	to despen of	plug back to 88240	6. IF INDIAN, A	LLOTTEE OR TRIBE NAME
1. OIL WELL	GAS	THER 4000	13	, p. 9,034317	7. UNIT AGREEME	nt name
2. NAME OF OPERAT			型。		8. FARM OR LEAS Laurie "D"	
3. ADDRESS OF OPE	ERATOR		- PioH-		9. WELL NO.	- COCY CITY
4. LOCATION OF WE	, Roswell, NM 8 ELL(Report locat	ion clearly and in a	ccordance wi	th State	10. FIFLD AND P	DOL, OR WILDCAT
At surface 660'FNL &	.,	oc 1. Actions		(May 18 13 19)	Lea Penn 11.SEC,T,R,M,OR Sec. 15-T20	RLK & SURVEY OR ARFA S-R34E
14. PERMIT NO.		15. ELEVATIONS(S		DF,RT,GR,etc.)		ARISH 13. STATE
16.	Check Appr NOTICE OF INTE	opriate Box To Indic		f Notice, Report, Ot		OF:
TEST WATER SHU FRACTURE TREAT SHOOT OR ACIDI REPAIR WELL (Other)		PULL OR ALTER CASIN MULTIPLE COMPLETE ARANDON * CHANGE PLANS	G		NT ALTI IZING ARAN & Acidize sults of multiple	AIRING WELL ERING CASING HOONMENT * Example completion on Well ort and Log form.)
estimated date	of starting an	y proposed work. If all markers and zone	well is dire	ertinent details, and ctionally drilled giv	l give pertinent	dates, including
		·				÷
2-16-86	SI BHP build-	•				
2-17-86	SI BHP build-	up.				
2-18-86	80, 22 RW, 1e	ft opn overmite, 72hi	^ build—up p	P 1483psi, flwg on 3/ ress 3587.1psi, P* 37 O&W, rec'd ttl 99 RF	755psi, @ 6:00am	2-18-86 flwg @
2-19-86	Flwg @ 100psi	, 5-7 BRLS f1/hr, red	'd 131 RRLS	50/50 ORW, SI @ noor	n, plld thg & RTT	·S•
2-20-86	3150psi, avg acd, 428 BRLS	rate 36 BPM, ISIP 270	OOpsi, 5min BLW, flwd bo	11d wtr in 4 stages, 244Opsi, 10min 24OOps c 250 BRLS, TIH w/tho BBLS.	si, 15min 2370psi	, 1d 380 BBLS
I hereby centify SIGNED	that the fareg	and is true and corr		ing % Production Mana	iger DATE	February 20, 1986
APPROVED BY	r Federal or St	,	TITLE		DATE	
CONDITIONS ()F-)	APPROVAL, IF AN	(:				

\$\text{JUD}
FER 24 1986

- 2100/4 11. [# Parties in the companion UNITED STATES . S	UBMIT IN TRIPLICATE *	Budget Bureau No. 1004-0135
Farm Slouppoor	DEPARTMENT OF THE INTERIOR (NEW MEXICO 88240	Other instructions on re- erse side)	Rudget Bureau No. 1004-0135 Expires August 31, 1985 5. LEASE DESIGNATION AND SERIAL NO.
			NM-06570
(Do not use	SUNDRY NOTICES AND REPORTS ON WE this form for proposals to drill or to dee		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	reservoir. Use "APPLICATION FOR PERMIT-" f		
1.011	GAS	3	7. UNIT AGREEMENT NAME
WELL	WELL X BINER	3	O FARM OR LEACT MAKE
2. NAME OF OPERA Read & Steven	•		8. FARM OR LEASE NAME Laurie "D" Federal
3. ADDRESS OF OP			9. WELL NO.
	, Roswell, NM 88201	<u></u>	1
4. LOCATION OF W	EL (Report location slearly and in accordance also space 17 below.)	nce with State	10. FIELD AND POOL, OR WILDCAT Lea Penn
At surface			11. SEC, T,R,M,OR BLK & SURVEY OR AREA
660' FNL 8		14	Sec. 15-T20S-R34E
14. PERMIT NO.	15. ELEVATIONS (Show who 3642' GL	ether DF,RT,GR,etc.)	12. COUNTY OR PARISH 13. STATE Lea NM
16.	Check Appropriate Box To Indicate Na	turn of Notice Penart Ot	
10.	NOTICE OF INTENTION TO:		IRSEQUENT REPORT OF:
estimated dat	JT-OFF PULL OR ALTER CASING MULTIPLE COMPLETE	Completion or all pertinent details, are directionally drilled ginent to this work.) * flwd 7:30am-11:00am, 380pc'd ttl 8 BO, 24 RLW, 40 BC 6:00am 2-12-86 2000psi , swb 41/2hrs, rec'd ttl 20 ; 9604'-9612', 8'. Acdz was 5600psi, avg rate 4.6 BC	ARANDONMENT * Swab Sults of multiple completion on Well Recompletion Report and Log form.) d give pertinent dates, including ve subsurface locations and measured Si-100psi, 20/64"chk, 225 MCF, FW, GG, approx 200 MCF, swbd O BO, 20 BW, 60 PW ovrld. RU & acdz //3,000gals 15% NEFE acd w/53 PM, gd ball action, gd brks,
2-14-86	SITP 1450psi, SI 131/2hrs, flwd 7:00am-1 rec'd 15 RO, 31 BLW, ttl 56 BO, 69 BLW, varied GCOMW (fmy), flwd 15-20mins after swb, run bombs for 72hr build-up. @ 7:30 gained 50psi.	+6 RFW, FL 0 6400', swbg reach swb run, dry gas, 1	from 8400', bringing 2000' 00#, fell off, will blw dwn,
SIGNED 65		Drilling & Production Man	ager DATE February 17, 1986
APPROVED BY	or Federal or State office use) TITLE APPROVAL, IF ANY:		DATE

SwQ FEB 19 1986

•				•	i i			
Form 3160-5	M. SIL COM. AC	PARTIMENT OF THE IN	ALCOTO TOPIC	girija inireli onlinetoueta	UAIL DE PO	punger	nureau no. 1004-01 August 31, 1985	ည
(November 1983)	O. BOX 1700 R	EUREAU OF LAND MANA	ALEKTOR (CICI	e side)	ors on re-		AUGUST 31, 1965 ATION AND SERIAL N	
(Formerly 9-331)	DBDS, NEW MEX	ICO 88240	TALL E (1)	·	ľ	NM-06570	HILLY MAN DININE	₩,
	SUNDRY	NOTICES AND REPOR	RTS ON WELLS	·	6		LLOTTEE OR TRIPE N	MA
(Do not use	this form for pro	roposals to drill o	or to deepen	or plug bac	k to	-		
		APPLICATION FOR PE	RMIT-" for	sucti proposa	133	UNIT ACCEPTE	NT 11616	
1. OIL	GAS		186	OFICA	32	. UNIT AGREEME	NI NAME	
2. NAME OF OPERA		THER	-/85 -	· Colly	8	. FARM OR LEAS	FNAME	
Read & Steven		No.	∫ F	FD.	40 =	Laurie "D" 1		
3. ADDRESS OF OP				1 190	5 3 9	. WELL NO.		
	, Roswell, NM 88		<u> </u>	· · · · · · · · · · · · · · · · · · ·		1		
4. LOCATION OF W	ELL (Report Jocat:	ionslearly and in	i accoudance.	with State		J. FIELD AND PO Avj been Penn	OOL, OR WILDCAT	
At surface		, '	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	71 71 . 71			BLK & SURVEY OR A	RFA
660' FNL &	990' FEL		~~	Chin Hell		Sec. 15-T20:		- _
14. PERMIT NO.		15. ELEVATIONS		er DF,RT,GR,	etc.) 12	2. COUNTY OR PA	ARISH 13. STATE	_
-	-		12' GL			Lea	NM	
16.	Uneck Appro NOTICE OF INTEN	opriate Box To Ind	ncate Nature	e or Notice,		r uata EQUENT REPORT (Æ•	
	NOTICE OF THE	VITON 10:		1	3000	LUCILITE REPORT C	л •	
TEST WATER SH	JT-OFF	PULL OR ALTER CAS	ING	WATER	SHJT-OFF	REP/	AIRING WELL	
FRACTURE TREAT		MULTIPLE COMPLETE			JRE TREATMENT		ERING CASING	
SHOOT OR ACID	[ZE	ARANDON *	·		ING OR ACIDIZI		IDONMENT *	
REPAIR WELL (Other)	<u> </u>	CHANGE PLANS	-	(Uther	Papart racul	vab and perfora	completion on We	31
(Other)							ort and Log form.)	
17.DESCRIBE PROPO	OSED OR COMPLETE:	OPERATIONS(Clear	ly state all					_
		y proposed work. I				subsurface loc	ations and measur	ed
and true verti	ical depths for a	all markers and zo	nes pertiner	nt to this wo	ork.) * _			
2-5-86	VC4+ 083€1-084	17' & 9855'-9871' v	w/16000na1e	20Y NE_EE ac	d 19000nale	ald red 16000	male fluch	
2-3-00		Opsi, avg press 36						
		n 2420 psi, 15min						
	3/8" tbg, pkr	set @ 9776', SN @	9771', swbo	1 21/2hrs, re	c'd 262 BLW, 8	849 BLTR, FL @	3500' . SION.	
2.6.06	TD 500 51	0 and	60 00 4	*b		EL O 04001	- h. f	
2-6-86		@ surf, swb, 2 nd						
		fluid, 100-30% 0		overnight,	, 9 / .00dii 2-0	-50 10 010 m , 1	L 10 4300 , 1	
			•					
2 -7- 86		osi, swbd dwn to Sl	N, FL @ 8400)', fluid ent	ry approx 100)' GCF/hr, rec'	d 18 RO, 27	
	BLW, 747 BLWTR	₹.						
2-8-86	TP Onsi one t	to taks 13½hrs, s	wh 11/2hrs	recid 5 RNO	5 RI W 742 R	NTR EL 6 4500	n' autod ta 84001'	
2.0.00		kr, pull thg & pkr.		_		·	, switch to the ,	
	Perf: 9470	1'-9476' 6' 7 1	holes45"	A	DCEPTED FO	R RECORD		
	9490)'-8508', 18', 19	holes, .45"		Hert	Ω		
	- 9604	0'-8508', 18', 19 h 1'-9612', 8', 9 h 32', 35 h	holes, .45"			<u> </u>		
		ر ج. 32 P, TIH W/40 stds. 5			FEB 11	1986		
				_				
2-9-86		RBP, ran 307jts 2 3						
		ls,, set @ 9390', 2	295jts tbg i	n hole, tst	annulus to 75	Opsi, swb 1hr,	rec'd 20	
	BBLS, FL @ 250	D'. SDON.						
I hereby certify	that the foreco	ning is true and co	orrect.					
SIGNED	A Stul	La		lling & Prod	uction Manage	r DATE	February 10, 198	36
(SPINELLY & DENEY OF O	APPRODUALL OF SOM	nte office use)	TITLE		-	DATE		

• •

N. 1. 51 60 6 Form 3160-5 P.O. 70 (November 1983) O. 70 (Formerly 9-550 ₽50.	DEPARTMENT OF THE BUREAUS OF AND MA	INTERIOR.				Expires Aug	au No. 1004-0135 ust 31, 1985 N AND SERIAL NO.
		·			NM NM	1-06570	
	DRY NOTICES AND REF			ı,	6. IF IN	DIAN, ALLOT	TEE OR TRIBE NAM
(Do not use this form for					1	-	
a different reservoir. Us	"APPLICATION FOR	PERMIT -	tor such bro	posals.)	 		
1. OIL GAS WELL WELL X	OTHER	· ·			7. UNIT	AGREEMENT N	AME.
2. NAME OF OPERATOR	t (4)	7.3.33	, इ.च.च्या - 🏰		B. FARM	OR LEASE NA	ME
Read & Stevens, Inc.	<u> </u>	,			Laur	ie "D" Fede	ral
3. ADDRESS OF OPERATOR	· ·	ment "		, una *	9. WELL	NO.	
P.O. Box 1518, Roswell, NM	88201		·.			11	
4. LOCATION OF WELL (Report log requirements. * See also	cation clearly and space 17 below.)	in accorda	ance with St	ate	1 con	D AND POOL,	OR WILDCAT
At surface					11.SEC,T	,R,M,OR BLK	& SURVEY OR AREA
660'FNL & 990'FEL					Sec.	15-T20S-R3	4E
14. PERMIT NO.	15. ELEVATIO	NS(Show wh	nether DF,RT	,GR,etc.)	12. COUN	TY OR PARISH	1 13. STATE
SHOOT OR ACIDIZE REPAIR WELL (Other)	ABANDON * CHANGE PLANS		<u> </u>	Completion o	Analysis results of or Recomplet	ion Report a	mpletion on Well and Log form.)
17.DESCRIBE PROPOSED OR COMPLE estimated date of starting and true vertical depths fo	any proposed work.	If well i	s direction	ally drilled			-
2-3-86 TP 300psi.							
Water Analy							
	063 a 70°F						
SG 1.6		-	000				
		- 4	Mod				
		_ ,	120				
Mg 14		Fe	Mod acd wtr				
I hereby certify that the far	regoing is true and		Drilling &	Production M	lanager	DATEFe	ebruary 3, 1986
(This space for Federal or APPROVED BY	State office use)					DATE	

FEB 5 1986

CARLSBAD, NEW MEXICO



	Me the control of the second	
Form 3160-5 (November 1983)	P. O. SUBMIT IN IRIPLICATE * DEPARTMENT OF THE INTERIOR (Other Instructions on re-	
(Formerly 9-331)	BUREAU OF LAND MANAGEMENT Verse side)	5. LEASE DESIGNATION AND SERIAL NO. NM-06570
	SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	nis form for proposals to drill arto deepen or plug back to	-
	servoir. Use "APPLICATION FOR PERMIT-" for such propose;)	
	CAS. OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATO	그 사람들은 사람들이 가장 하는 것이 되었다. 그 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은	8. FARM OR LEASE NAME Laurie "D" Federal
Read & Stevens, 3. ADDRESS OF OPER		9. WELL NO.
	Roswell, NM 88201	1
	L(Report location clearly and in accordance with State * See also space 17 below.)	10. EIELD AND POOL, OR WILDCAT
At surface		11.SEC,T,R,M,OR BLK & SURVEY OR AREA
660'FNL & 9	990'FEL	Sec. 15-T20S-R34E
14. PERMIT NO.	15. ELEVATIONS(Show whether DF,RT,GR,etc.)	12. COUNTY OR PARISH 13. STATE
		Lea NM
16.	Check Appropriate Box To Indicate Nature of Notice, Report, Ot NOTICE OF INTENTION TO:	ther Data JBSEQUENT REPORT OF:
estimated date	MULTIPLE COMPLETE FRACTURE TREATME ABANDON * SHOOTING OR ACID CHANGE PLANS (Other) CAOF, ru (NOTE:Report re	ABANDONMENT * In tbg, perforate & swab In the swap of th
1-31-86 I hereby certify	Swbd to SN, 100' fluid entry/hr, GSG, 2'-3' flare, acdz w/2000gal fm brk @ 2400psi, max 4200psi, min 3500psi, avg 3775psi, avg rate 2200psi, 5min 2150psi, 10min 2100psi, 15min 2100psi, 1d 48 BBLS a BLTR, swbd 35 BBLS, FL @ 5100', NS, SION.	3 BPM, gd ball action, ISIP
SIGNED	TITLE Drilling & Production Man	ager DATE February 3, 1986
(This space for APPROVED BY	Federal or State office use) TITLE	DATE
CONDITIONS OF AF	PPROVAL IF ANY:	

FEB 5 1986

FORM \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			ii uni				T'IN DU	PLICATE*	i i	approv	
(Rev. 5-63)					HE INTERIO	OR '		ee other			eau No. 42-R355.5.
40203.		MEXICO 8	324 670L 0	GICAL S	SURVEY				j	SIGNAT	ION AND SERIAL NO.
							r	everse si	1		
						415 1				-06570	7777
	WELL	COMPLETION			TION REPO	RT AND L	OG*		- 6. IF INDIA	N, ALLE	TTEE OR TRIBE NAM
la.TYPE OF WELL	L:	OIL WELL	GAS WEL	LX	DRY	OTHER	, n		7. UNIT AGR	EEMENT	NAME
b.TYPE OF COM	PLETIO	N:									<u>.</u>
NEW	WORK	DEEP-	PL1		DIFF.	\mathcal{T}			8. FARM OR	LEASE N	IAME
WELL X	OVER	EN	BA6	K	RESVR.	<u>.</u> ↓ OTHER_			Laurie	"D" Fed	deral
2.NAME OF OPERA	ATOR	j.e.e				1	ļ		9. WELL NO.		
Read & Steve	ens					\ \ =	<u> </u>	<u> </u>	1		
3.ADDRESS OF OF	PERATO	R	,						10. EAELDIA	10 POOL	LOR WILDCAT
P.O. Box 15							<u> </u>		Lee Penr	1	
4.LOCATION OF						dance with	any St	ate	11. SEC.,T,F	₹,M,OR	BLOCK AND SURVEY
At surface	r 44	equirements O'FNL & 990)#. !EF1		. •				OR AREA		
At top prod								•	Sec.15-	205 - 34F	
At total de		Ival report	CG DCIO		RMIT NO.		DATE	ISSUED	12.COUNTY OF		
At total de	<i>y</i> c			1	_	1	-		Lea		NM
15. SPUD DATE	16.	DATE TO REAL	THED 1	7. COME	DATE (Re	adv to oro	d) 18.	ELEV (DF.	RKB,RT,GR,ETC.)*	19. ELEV CSGHEAD
9-14-85	}	12-2-85			-27-86	- , ,			er GL	1	•
20. TD, MD & TY	VD	21. PBTD,	MD & TV			ULT COMP,	HOW MAN'			TARY T	OOLS CABLE TOOLS
13,821'		13								0'-13,	•
24. PRODUCING	INTERV			ETION-	TOP, BOTT	OM, NAME (M	D AND T	VD)*			L SURVEY MADE?
13,008'-13										No	
26. TYPE ELECTI										27. W	AS WELL CORED
FDC,	CNL,	MLL, DLL, C	aliper a	nd Gamm	a Ray						Yes
28.			CASI	NG RECO	RD(Report	all strin	gs set	in well)			
CASING SIZE	WE	IGHT,LB./FT	. DEP	TH SET	MD) H	OLE SIZE	<u> </u>	CEMEN	TING RECORD		AMOUNT PULLED
20"		94#		520		26"	501	Dax HLW &	200sx Class "C'	<u>- </u>	None
13 3/8"	68#	, 61#, 54.5	<u> </u>	3200		17 1/2"	500	Osx HLW &	300sx Class "C'	<u>'</u>	Circ 50sx
9 5/8"		43.5#	-↓	5209		12 1/4"			300sx Class "H'		None
<u> </u>		26#, 29#		13821		8 1/2"			"H" & 325sx HLW		None
29.			RECORD					30.	TUBING REC		
SIZE	TOP (MD) BOTTO	3M (MD)	SACK	S CEMENT*	SCREEN	(MD)	31 ZE	DEPTH SET (M	(<u>D</u>)	PACKER SET (MD)
								2 3/8"	12,936'		12,936'
7) 05050047701	1 0500	00 (1-4 - :			<u> </u>	+		TD SUGT 5	DACTING CENEUT		
31. PERFORATION	N KELU	KD (Interval	i, size	and num	mer)	DEPTH IN			RACTURE, CEMENT		
•						13,008			MOUNT AND KIND z w/8000gals 7		
13,008'-13,0	יי פור.	13 034'_13 0	דו ייפר	 	3 078'	13,036			2 W/0000ga13 /	1/ 2/8 110	
		total 166 s		,044 -1	, 470	13,044'					
4 0/10	,,,		oni o co			17,044	-15,070				
33.*						PRODUCTION					
DATE FIRST PR	ROD	PROD METH	10D (F1w	g, gas		ping - size	& type	of pump)	WELL STA	TUS (P	rod or SI)
1-18-86		Flo	wing						SI		·
DATE OF TEST	r 1	HOURS TESTED	CHOK	E SIZE	PROD	FOR (IL -BBL	. GA	S-MCF. WATE	R-88L	GAS-OIL RATIO
1-23-86		4	1	1/64"	TEST	PER IOD	6	CAO	F 1865	0	14.63
FLOW TBG PRESS	URE	CASING PRESS	1	LCULATE			GAS-MC		WATER-BBL.	OIL GF	RAVITY-API (CORR)
1772		0		-HOUR R		36 AC	CEPTE	1865 FOR RE	CORD	¥ ¥ \$1.00000	53
34. DISPOSITION SI WO		AS (Sold,use	d for t	uel, ve	nted,etc.)		Ju D	1531 #	ITNESSE yl Lowo	
35. LIST OF ATT		NTS						AMX		/ = 50#0	<u> </u>
		Survey, Logs	, 4-Poi	nt Test			FEB	3 198	6		
						formation i			orrect as deter	mined f	rom all available
// `	,	WXX	11/1			Drilling	ISBAD	NEW A	MEXICO		
SIGNED		4200	- Deci-		TITLE	Orilling &	Produc	tion Manai	ger D	ATE Ja	nuary 27, 1986

attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal

Consult local State or Federal office for specific instructions. Item 4:If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any

report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the

Item 33:Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

£8.5	DST #2 8980' 9026'		DST #1 7306' 7335'	13036' 13084'		9836' 9871'	9602' 9612'	9490' 9510'	Bone Springs 9316' 9342'	3608' 3630'	Yates 3480' 3510'	FORMATION TOP BOTTOM	DEPTH INTERVAL TESTED, CUSHION USED, 1	SHOW ALL IMPORTANT ZONES OF POROSITY A	37. SUMMARY OF POROUS ZONES:	
U.S.GOVERNMENT PRINTING OFFICE: 1963-0-683636 ' '	Open tool 30-60-60-125; 1st flow 23.4psi, 1st SI 22.6psi; 2nd flow 20.2psi, 2nd SI 38.5psi; Rec'd 8' of mud.	279.6psi, 2nd SI 2889psi; Rec'd 60' slightly oil cut mud, 1430' FW.	Open Tool 30-60-60-120; 1st flow 64.6psi, 1st SI 2889.6psi; 2nd flow	Pay Zone - Gas, Condensate	Pay Zone - Gas, Condensate	Pay Zone - 0il	Pay Zone - Oil	Pay Zone - Oil	Pay Zone - Oil	Pay Zone - Oil	Pay Zone - Oil	DESCRIPTION, CONTENTS, ETC.	DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING		
	Miss Lime	Barnet Shale	Morrow	Strawn	Hueco	Bone Springs	Group	Delaware MTV	Yates	Tansil	NAME			38. ŒOL		
,	13686'	13562'	12817'	12150'	10964'	8296'	5446'		34501	1595'	MEAS DPIH	ī		CEOLOGIC MARKERS		
871-233 1	13686'	13562	12817'	12150'	10964	8296'	54461		34501	1595	TRUE VERT DPTH	109		5		



Conald L. Wailace President

December 7, 1985

Read & Stevens, Inc. P.O. Box 1518 Roswell, New Mexico 88201

Re: Larie D Federal No. 1

Gentlemen:

The following is a Deviation Survey for the above referenced well located in Lea County, New Mexico.

290 - 579 - 4 602 - 4 695 - 2	1/2 1/4	3185 - 1 1/2 3240 - 3/4 3732 - 3/4 4416 - 1 3/4
791 - 2 910 - 2	·	4800 - 1 5188 - 3/4
1250 -	1/4	8246 - 1 9245 - 1
1325 - 1451 -	1/2 1/4	9575 - 1 10604 - 3/4
1635 - 1859 -	1/2 1/4	10980 - 1/4 11470 - 1/2
2110 - 2370 -	1/2 1/4	11940 - 3/4 12220 - 1
2860 - 1 2936 - 1		12744 - 1 3/4 13800 - 2 1/4

Drilling \$perintendent

STATE OF TEXAS

COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 7th day of December, 1985

Notary Dublic

My commission expires 12/23/85.