Form 3160-5

Conditions of approval, if any:

CC: New Mexico Oil Conservation Div.

## UNITED STATES

M OIL CONS. COMMISSION FORM APPROVED

(June 1990)	DEPART! IT OF THE BUREAU OF LAND M.	HE INTERIOR	BOX JO	Budget Pareau No. 1004-013;  March 31, 1993  5. Lease Designation and Serial No.
c	UNDRY NOTICES AND RE		982 MEAN MINN	5. Lease Designation and Serial No.
			<u></u>	NM-84898
Use "	for proposals to drill or to d APPLICATION FOR PERMI	eepen or reentry to a diffe T for such <sub>c</sub> proposals	i	6. If Indian, Allottee or Tribe Name NA
	SUBMIT IN TRIP	ー ししていー () LICATE	3 / pri 13	7. If Unit or CA, Agreement Designation
I. Type of Well				NA
X Well	Gas Well Other	18 x + 12 x = -2	3 1 2 E	8. Well Name and No.
2. Name of Operator	wen Other			Rattlesnake Federal "28" No. 1
DALEN Resources Oil &	Gas Co.			9. API Well No.
3. Address and Telephone No.				30-025-33062
6688 N. Central Expwy.,	Suite 1000, Dallas, TX 75206	5		10. Field and Pool, or Exploratory Area
	c., T.,R.,M., or Survey Description)			Wildcat
			L.	11. County or Parish, State
1980' FSL & 1980' FWL N	E/4 SW/4 Section 28, T26S-I	R33E	,	Lea County, New Mexico
12. CHECK	APPROPRIATE BOX(s) TO	) INDICATE NATURE OF		
	T T	THE CATE NATURE OF	NOTICE, REPOR	I, OR OTHER DATA
TYPE OF S	UBMISSION		TYPE OF ACTION	N
	Notice of Intent	Abandonment		Change of Plans
<b>v</b>	Subsequent Report	Recompletion		New Construction
		Plugging Back		Non-Routine Fracturing
<u> </u>	inal Abandonment	Casing Repair		Water Shut-Off
		Altering Casing		Conversion to Injection
		Other Amend A	\PD	<del></del>
		- Carlotte		Dispose Water (Note: Report results of multiple completion on We
annou, give	ed Operations (Clearly state all pertine subsurface locations and measured and verbal approval to deviate fi	d true vertical depths for all markers	s and zones pertinent to this	
Surface casing was propose cementing detail is attached	ed to 800' and set short @770 d.	per verbal approval from A	Adam Salameh, Carls	sbad BLM, 08/29/95. Casing &
Intermediate casing was pr	oposed to 5000' and was actua	ally set @4895' per attached	l, notified Kathy w/C	Carlsbad BLM 09/06/95.
Plug back per Shannon Sha				
	x 50/50 poz			
	x 50/50 poz			
9,200 - 9,000 65 s	x 50/50 poz			
PBTD 9027'. 5-1/2" 17# N Shannon Shaw, Carlsbad E	-80 production casing was pro LM, 10/06/95. Casing & cen	oposed to 12,500'. We set 5	5-1/2" 15.5# K-55 @	9,013' per verbal approval from
,	, Casing & Con	noming uctain attached.		
4. I hereby certify that the foregoi	ng is true and correct			
Signed undy	$\mathcal{U}A \neq$	lle Regulatory Compliance	Specialist	D
(This space for Federal or State	/		-Lagranar	Date10/17/1995
	of face the second	April 1885		1 <i>t</i>
Approved by Conditions of approval, if any:	H 1/3 和CBM U.S. 55(6) Tit	le <u>ক্ৰিন্ত প্ৰতিট সৰপ্ৰকৃত</u> ক্ৰিন্ত	ON THE PROPERTY OF THE PROPERT	Date 11 9/95

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## CASING AND CEMENTING REPORT

LEASE & WELL NO. RATTLESNAKE FEDERAL 28 #1

DATE	08/30/95

FOREMAN: STEVE HAYES

TEM: SCW		LLHEAD MAKE: FMC	TYPE:	SLIP ON WE	LDED TOP	flange:	13.62	OUTLE	TS:1
IMIL IN S	UNAT :					PPG	AIEFD _		ÇF/SK
TATE THE CO	NODY.	SACKS CLASS				PPG	AIETD -		CF/SK
		SACKS CLASS	PLUS						
	AT		BBLS	. a	P\$1				
	E COLLAR:								
COND ST	AGE			·					
				THE GROUPS WI			*******	1427	
TAIL IN SL	UKRY:540	SACKS CLASS CLASS C			14.80	200	YIFID	1.34	CEZS
		A4AVA 01400 01400 0			12.40	PPG	TIELD .	1.9/	ÇF/S
LEAD IN SE	URRY:360	\$ACKS _CLASS _CLASS C					V15: 5	1.07	
		WITH 126							
		TOP OF LINER							
RST STAC									
		C	EMENT	REPORT					
4-17	JIS CSG.		<del></del>						
		SHOE, 2-JT CSG, 3-HOUCO	INSERT FLO	)AT					
D,V. TOO	.a	NO. OF CENT	RALIZERS	5					
	<del></del>								
								<del></del>	
						1			
17	13.375	48.00	H-4	0	STC		757.	.36	821
'	131313							-	
1	13,375					}		Ì	64
1	13.375	48.00	H-4	0	STC		44.	.27	64
								E0	
1	13.375	48.00	H-4	0	STC		0.	60	19
	SIZÉ	WT.	LIXAD	-	, nu		LENGI	<u> </u>	
.211.		1	GRAI	ne l	THD	1	LENGT	H I	DEP
NO OF		1		i		l	EFFECT	142	BOT

## CASING AND CEMENTING REPORT

LEASE & WELL NO. RATTLESNAKE FEDERAL 28 #1

DATE 09/07/95

FOREMAN: STEVE HAYES

KB TO CUT	FF POINT	"0" TO 1	8.00							
NO OF		T						EFFECT	1	BCT1
JTS.	SIZE	WT	•	GRADE		THD		LENGT	Н	DEPI
1	8.625					LTC		1.	39	19.
1	8.625	32.	.00	K-55		LTC		42.	45	61.
1	8.625					LTC		0.	.95	62
55	8.625	32	.00	K•55		LTC		2267.	.02	2329
6	8.625	32	.00	K-55		STC		273	.51	2603
55	8.625	24	.00	K-55		STC		2324	,98	4928
							<u> </u>			
MARKS : SECTION	8 1-HOWCO SUPER S	SEAL FLOAT SHO	E. SECTION	2- CSG. SE	CTION 3-					
MARKS : SECTION	1-HOWCO SUPER	SEAL FLOAT SHO	E. SECTION ON 4.5 AND	2- CSG. SE 6- CSG.	CTION 3-					
MARKS : SECTION HOWCO S	1 1-HOWCO SUPER S SUPER SEAL FLOAT	SEAL FLOAT SHO	E. SECTION ON 4.5 AND	2- CSG. SE	CTION 3-					
MARKS : SECTION HOWCO S	1 1-HOWCO SUPER SEAL FLOAT	SEAL FLOAT SHO	e. section on 4.5 and CE	2- CSG. SE 6- CSG.	CTION 3-					
MARKS : SECTION HOWCO S  IRST STAGI DEPTH OF SHO	1 1-HOWCO SUPER SEAL FLOAT  B 4895	SEAL FLOAT SHO COLLAR, SECTI	e. section ON 4.5 AND CE	2- CSG. SE 6- CSG.	EPORT					
HOWCO S  RST STAGI DEPTH OF SHO BUMP PLUG A	1 1-HOWCO SUPER SEAL FLOAT  E 4895  F 0.39	COLLAR. SECTI  TOP OF LI WITH	e. SECTION ON 4.5 AND CH	2- CSG. SE 6- CSG. EMENT F	EPORT	PS1				
HOWCO S  IRST STAGI DEPTH OF SHO BUMP PLUG A' LEAD IN SLUI	3 DE 4895 F 0.39 RRY: 1800	TOP OF LI WITH SACKS CLASS	E. SECTION ON 4.5 AND  CE HER 304 CLASS C	2- CSG. SE 6- CSG. EMENT F	EPORT  1600 25#/SX FLC MIXED AT	PSI DCELE AND 15	#/SX SAL	Ţ	2.30	CF/S
HARKS : SECTION HOWCO S  IRST STAGI DEPTH OF SHO BUMP PLUG A' LEAD IN SLUI	1 1-HOWCO SUPER SEAL FLOAT  E 4895  F 0.39	TOP OF LI WITH SACKS CLASS	E. SECTION ON 4.5 AND  CE HER 304 CLASS C	2- CSG. SE 6- CSG. EMENT F BBLS. & PLUS	1600 25#/SX_FLC MIXED AT	PSI DCELE_AND_15 12.40	#/SX SAL	T YIELD		
HARKS : SECTION HOWCO S  IRST STAGI DEPTH OF SHO BUMP PLUG A' LEAD IN SLUI	3 DE 4895 F 0.39 RRY: 1800	TOP OF LI WITH SACKS CLASS	E. SECTION ON 4.5 AND  CE HER 304 CLASS C	2- CSG. SE 6- CSG. EMENT F BBLS. & PLUS	1600 25#/SX_FLC MIXED AT	PSI DCELE AND 15	#/SX SAL	T YIELD		
HOWCO S  IRST STAGI DEPTH OF SHO BUMP PLUG A' LEAD IN SLUI	1 1-HOWCO SUPER SEAL FLOAT  E	TOP OF LI WITH SACKS CLASS	E. SECTION ON 4.5 AND  CE HER 304 CLASS C	2- CSG. SE 6- CSG. EMENT F BBLS. & PLUS	1600 25#/SX_FLC MIXED AT	PSI DCELE_AND_15 12.40	#/SX SAL	T YIELD		
HOWCO S  IRST STAGI DEPTH OF SHO BUMP PLUG A' LEAD IN SLUI TAIL IN SLUI ECOND STAGE	1 1-HOWCO SUPER SEAL FLOAT  E	TOP OF LI WITH SACKS CLASS	E. SECTION ON 4.5 AND  CE HER 304 CLASS C	2- CSG. SE 6- CSG. EMENT F BBLS. & PLUS	1600 25#/SX_FLC MIXED AT	PSI DCELE_AND_15 12.40	#/SX SAL	T YIELD		
HARKS : SECTION HOWCO S  IRST STAGI DEPTH OF SHO BUMP PLUG A' LEAD IN SLUI TAIL IN SLUI  TAIL IN SLUI  ECOND STAGE	1 1-HOWCO SUPER SEAL FLOAT  3	TOP OF LI WITH SACKS CLASS	E. SECTION ON 4.5 AND  CE HER 304 CLASS C	2- CSG. SE 6- CSG.  EMENT F  BBLS. & PLUS  PLUS  BBLS.	EPORT  1600 25#/SX FLC MIXED AT  X CACL2 MIXED AT	PSI DCELE AND 15 _12.40 PSI	#/SX SAL	T YIELD		
MARKS : SECTION HOWCO S  IRST STAGI DEPTH OF SHO BUMP PLUG A' LEAD IN SLUI TAIL IN SLUI  ECOND STAGE BUMP PLUG A	3	TOP OF LI WITH SACKS CLASS SACKS CLASS	E. SECTION ON 4.5 AND  CE HER 304 CLASS C CLASS C	2- CSG. SE 6- CSG.  EMENT F  BBLS. & PLUS _ BBLS. PLUS _ PLUS _ BBLS.	EPORT  1600 25#/SX FLC MIXED AT  CACL2 MIXED AT	PS1 DCELE AND 15 12.40 PS1	#/SX SAL PPG	YIELD YIELD	1.34	CF/S
MARKS : SECTION HOWCO S  IRST STAGI DEPTH OF SHO BUMP PLUG A' LEAD IN SLUI  TAIL IN SLUI  ECOND STAGE BUMP PLUG A LEAD IN SLUI	SUPER SEAL FLOAT  SUPER SEAL FLOAT  SE 4895 F 0.39 RRY: 1800 RRY: 200  GE COLLAR:	TOP OF LI WITH SACKS CLASS  WITH SACKS CLASS	E. SECTION ON 4.5 AND  CF  NER  304  CLASS C	2- CSG. SE 6- CSG.  EMENT R BBLS. & PLUS _ BBLS. PLUS _ PLUS _ BBLS.	EPORT  1600 25#/SX FLO MIXED AT  A MIXED AT	PSI DCELE AND 15 12.40 PSI	#/SX SAL PPG PPG	YIELD YIELD		CF/S
MARKS : SECTION HOWCO S  IRST STAGI DEPTH OF SHO BUMP PLUG A' LEAD IN SLUI  TAIL IN SLUI  ECOND STAGE BUMP PLUG A LEAD IN SLUI	1 1-HOWCO SUPER SELECTION SUPER SEAL FLOAT  3 0 4895 5 0.39 6 RRY: 1800  3 E COLLAR:	TOP OF LI WITH SACKS CLASS SACKS CLASS SACKS CLASS	E. SECTION ON 4.5 AND  CE HER 304 CLASS C CLASS C	2- CSG. SE 6- CSG.  EMENT R BBLS. & PLUS _ BBLS. PLUS _ PLUS _ PLUS _	EPORT  1600 25#/SX FLC MIXED AT  CACL2 MIXED AT	PS1 DCELE AND 15 12.40 PS1	#/SX SAL PPG PPG	YIELD _	1.34	CF/S
MARKS : SECTION HOWCO S  IRST STAGI DEPTH OF SHO BUMP PLUG A' LEAD IN SLUI TAIL IN SLUI  ECOND STAGE BUMP PLUG A LEAD IN SLUI TAIL IN SLUI TAIL IN SLUI TAIL IN SLUI	I 1-HOWCO SUPER SELL FLOAT  SUPER SEAL FLOAT  SE 4895 F 0.39 RRY: 1800  SE COLLAR:	TOP OF LI WITH SACKS CLASS SACKS CLASS SACKS CLASS SACKS CLASS	E. SECTION ON 4.5 AND  CE HER 304 CLASS C CLASS C	2- CSG. SE 6- CSG.  EMENT F  BBLS. & PLUS _2  BBLS. PLUS _2	EPORT  1600 25#/SX FLC MIXED AT  CACL2 MIXED AT	PSI DCELE AND 15 12.40 14.80	#/SX SALPPGPPGPPG	YIELD _	1.34	CF/S

## CASING AND CEMENTING REPORT

LEASE & WELL NO. RATTLESNAKE FEDERAL 28 #1

DATE 10/08/95

FOREMAN: T.M.BROWN

KB TO CU	TOFF POINT	"0" TO 18.00					
NO OF			Chane		740	EFFECTIVE	801
JT\$.	SIZE	WT.	GRADE	-	THO	LENGTH	DEP
204	5.500	15.50	K-55		LTC	9013.00	9031.
10							
							-
<b></b>							
·							
		NO. OF CENT MID. OF 1ST. THEN EVE					
ARKS : 1 SHO	E JT. 44.78', CENT.	MID. OF 1ST. THEN EVE		G.			
ARKS: 1 SHO  RST STAC  DEPTH OF S	SE 9013	MID. OF 1ST. THEN EVE	RY 3RD. CPLO	EPORT			
RST STAC	GE 9013 AT 0.50	COTOP OF LINER	EMENT R	EPORT	PS1	VCI + (4 CED-2	
RST STAC	GE 9013 AT 0.50	C:  TOP OF LINER  WITH 210  CKS CLASS _50/50 POZ	EMENT R  BBLS. a PLUS	FPORT  700 5% HALAD-9 +	PS1 2% GEL + 3#/SK	KCL + .4% CFR-2 YIELD 1.25	
RST STAC  DEPTH OF S  BUMP PLUG  LEAD IN SL	GE 9013 AT 0.50 URRY: 1388 SAC	C:  TOP OF LINER  WITH 210  CKS CLASS _50/50 POZ	EMENT R  BBLS. a PLUS	FPORT	P\$1 _2%_GEL_+ 3#/SK 4.40PPG		CF/S
RST STAC DEPTH OF S BUMP PLUG LEAD IN SL	SE 9013 AT 0.50 URRY: SAC	COMID. OF 1ST. THEN EVE	EMENT R  BBLS. a PLUS	FPORT	P\$1 _2%_GEL_+ 3#/SK 4.40PPG	YIELD 1.25	CF/S
RST STAC DEPTH OF S BUMP PLUG LEAD IN SL TAIL IN SL	SE 9013 AT 0.50 URRY: SAC	COMID. OF 1ST. THEN EVE	EMENT R  BBLS. a PLUS	FPORT	P\$1 _2%_GEL_+ 3#/SK 4.40PPG	YIELD 1.25	CF/S
RST STAC  DEPTH OF S BUMP PLUG LEAD IN SL  TAIL IN SL  COND STAG BUMP PLUG	SE 9013 AT 0.50 URRY: 1388 SAC  AGE SE COLLAR: P	C:  TOP OF LINER WITH 210 CKS CLASS 50/50 POZ	EMENT R  BBLS. a PLUS PLUS BBLS. 6	FPORT	PS1 _2% GEL + 3#/SK 4.40PPGPPG	YIELD 1.25	CF/S
RST STAC  DEPTH OF S BUMP PLUG LEAD IN SL  TAIL IN SL  COND STAGE BUMP PLUG	SE 9013 AT 0.50 URRY: 1388 SAC  AGE SE COLLAR: P	COMID. OF 1ST. THEN EVE	EMENT R  BBLS. a PLUS  PLUS  BBLS. 6 PLUS	700 5% HALAD-9 + MIXED AT	PS1 2% GEL + 3#/SK 4.40PPG PPG	YIELD 1.25 YIELD	CF/SICF/SI
RST STAC  DEPTH OF S BUMP PLUG LEAD IN SL  TAIL IN SL  COND STA  DEPTH STAG BUMP PLUG LEAD IN SL	SE 9013 AT 0.50 URRY: 1388 SAC URRY: SAC URRY: SAC	C:  TOP OF LINER WITH 210 CKS CLASS 50/50 POZ	EMENT R  BBLS. a PLUS6  PLUS  BBLS. 6 PLUS	TOO  TOO  MIXED AT  MIXED AT	PS12% GEL + 3#/SK 3.40PPGPS1PS1	YIELD	CF/SI
RST STAC  DEPTH OF S BUMP PLUG LEAD IN SL  TAIL IN SL  COND STA  DEPTH STAG BUMP PLUG LEAD IN SL	SE 9013 AT 0.50 URRY: 1388 SAC URRY: SAC URRY: SAC	C:  TOP OF LINER WITH 210 CKS CLASS 50/50 POZ CKS CLASS WITH CKS CLASS	EMENT R  BBLS. a PLUS6  PLUS  BBLS. 6 PLUS	TOO  TOO  TOO  MIXED AT  MIXED AT  MIXED AT	PS12% GEL + 3#/SK 3.40PPGPS1PS1	YIELD	CF/SK