

GARREY CARRUTHERS

GOVERNOR

/ed

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

7-20-90

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501 RE: Proposed: MC DHC NSL NSP SWD WFX **PMX** Gentlemen: Rock Queen Unit Sec. 26 # 3 26-13-31 11 Sec. 27 #9-I 27-13-31 I have examined the application for the: and my recommendations are as follows: Yours very truly, Werry Sexton Supervisor, District 1

PEAK CONSULTING SERVICES

9.3. Bak A35 Hobbis, Mew Mevico Gb240 45.5. 378-1715

Jul. 18. 1990

David Catameth
 Conservation Divingon
 Box 2088
 Banta Fa. Maw Mexico 97504-2088

Dear wirs:

Please find ecclused direct Ridge Production Inc.'s application to convert the Well No. 3 sec.26 7128 -531E and Well No. 9 sec.27 7138 - 33.E to infection.

The land owner and officet operator have been notified by lectified mail. As per the conversation. I will forward the overfiel publication as soon as it is received.

If we have any questions about this application, please toution lames Davis at 676-2130 or gweelf at the number lister agols, a thank you for your help and I sopremiate your copperation.

Eintarely.

Michael L. Piaca

20 Hobbs

OPERATOR	Circle Ridge Production Inc.				DATE	7-11-	90
LEASE	Rock Queen Unit	WELL Na	LECATION 5ec	26	T135	R31E	init F

STATUS: Injection Well perfs 3036-3044

Ciner Top @ 2988'

5/2 " casing set at 3042 with 100 sx of NeA+ ceme

Total Depth 3052 Hole size 8 " Toc 2707 50% efficiency

Set 64' of 41/2" Cinex @ 3052 w/ 35 5x5

Perf 3036-3044

of the earlier submittal.

OIL CONSERVATION DIVISION

FORM C-108 Revised 7-1-81

and some to the appropriate Division

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501

I.	Purpose: Applicat	Secondary Recortion qualifies for	very Pressu administrative	ure Maintenance approval?	yes	D no	L Sto	rage
II.	Operator:	CIRCLE RIDGE						
	Address:	P.O. BOX 636,	HOBBS, NEW					
	Contact par	rty: JAMES DAV	IS	Phor	ne: <u>6</u>	76-213)	
III.		Complete the data	n required on th	he reverse side onal sheets may	of thi	is form (tached i	for each f necessa	well iry.
IV.	Is this an If yes, gi	expansion of an e ve the Division or	xisting project der number auth	? yes orizing the pro	∭ no ject _		· · ·	·
٧.	Attach a ma	ap that identifies well with a one-ha s circle identifie	all wells and	leases within to	wo mil	es of an	y propose osed inje	ed ection
VI.	penetrate	abulation of data the proposed injec e, construction, d c of any plugged w	tion zone. Suc tate drilled. lo	n data shall in cation, depth,	record	of comp		
VII.	Attach dat	a on the proposed	operation, incl	uding:				
	2. Wh 3. Pr 4. So 5. If	roposed average and nether the system is opposed average and ources and an approach the receiving form at or within one mathe disposal zone literature, studie	is open or closed maximum inject opriate analysis mation if other disposal purpos mile of the prop formation wateres, nearby wells	ion pressure; of injection f than reinjected es into a zone osed well, atta (may be measur e, etc.).	luid a produ not pr ch a c ed or	nd compa ced wate oductive hemical inferred	tibility r; and of oil analysis from ex	with or gas of isting
111.	detail, ge bottom of total diss injection	propriate geological cological name, thi all underground so solved solids conce zone as well as ar interval.	ickness, and dep ources of drinki	ing water (aquif	ers co	ntaining erlying	waters the prop	with osed
IX.	Describe t	the proposed stimu	lation program,	if any.				
х.	Attach app with the D	propriate logging a Division they need	and test data or not be resubmit	n the well. (If tted.)	well	logs hav	e been f	iled
XI.	available location o	chemical analysis (and producing) wi of wells and dates	thin one mile of samples were to	aken.	or dis	sposar we	711 3110W1	ng
XII.	examined a or any oth source of	s for disposal well available geologic her hydrologic con drinking water.	and engineering nection between	g data and find the disposal zo	ne and	d any und	derground	
XIII.	Applicant	s must complete th	e "Proof of Not	ice" section on	the re	everse si	ide of th	is form
XIV.	Certifica							
	I hereby	certify that the i						
		MICHAEL L. PIE		Title		AGENT	505 3	92 1915
	Signature	- 12 / 12	7/	Date	: _	7/12/	190	

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 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, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

FORM C- 108

APPLICATION FOR AUTHORIZATION TO INJECT

CIRCLE RIDGE PRODUCTION INC.

III. A

- 1. ROCK QUEEN UNIT WELL NO. 3 SEC.26 T13S R31E UNIT LETTER C 660 FNL AND 1980 FWL
- 2. 8 5/8" 24# CSG SET AT 214' WITH 100 SXS CMT CIRC 5 1/2" 14# CSG SET AT 3052' WITH 100 SXS TDC 2342' 100% EFFICIENCY, 2697' 50% EFFICIENCY.
- 3. Plan to run 2 7/8" plastic lined tubing set at approx. 3010'.
- 4. Plan to run a Haliburton Tension Packer and set approx. 3010'.

III B

- 1. The injection interval is the Queen Sand, Caprock Queen Field.
- 2. The injection interval is open-hole 3052 3064'.
- 3. This well was originally drilled as an oil well.
- 4. None
- 5. None
- Part 5. Attached
- Part 6. Attached
- Part 7 1. The average rate of injection will be approx. 150 barrels per day, with a maximum of 300 barrels per day.
 - 2. The system will be closed.
 - 3. The average pressure will be 400 500 PSI. with a maximum of 700 PSI..
 - 4. The source of the water will be reinjected produced water.
 - 5. N/A

- Part B. Previously submitted
- Part 9. No stimulation proposed.
- Part 10. Previously submitted.
- Part 11. I have examined all geologic and engineering data available to me and find no evidence of open faults or any other hydrologic connection between the injection zone and any underground source of drinking water.

P 365 078 815

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED

NOT FOR INTERNATIONAL MAIL

(See Reverse) U.S.G.P.O. 1989-234-555 Sent OFAKOTA Street and No. PO. State and ZIP Code
Widing Texas Postage Certified Fee Special Delivery Fee Restricted Delivery Fee Return Receipt showing to whom and Date Delivered PS Form 3800, June 1985 Return Receipt showing to whom. Date, and Address of Delivery Postniark

P 365 078 814

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED

NOT FOR INTERNATIONAL MAIL

	(See neverse)	
⊕U.S.G.P.O. 1989-234-555	Sent to E. CNOILL	
1989-2	Street and No. / Denver City	Hybring
G.P.O.	P.O. State and ZIP Code,	
⊹ U.S	Postage	\$ /.85 .85
	Certified Fee	.85
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt showing to whom and Date Delivered	
1985	Return Receipt showing to whom. Date. and Address of Delivery	
June	TOTAL Postage and Fees	52.70
pS Form 3800, June 1985	Postmark or Dete	

STATE OF NEW MEXICO **ENERGY AND MINERALS DEPARTMENT**

11-13-86

(Dete)

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SANTA PE		Γ	
PILE			
U.8.Q.8.			
LAND OFFICE		Γ	
TRAMEPORTER	OIL		
	TAB		
OPERATOR			
PROBATION OFF	HC E		

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-78 Format 06-01-63 Page 1

Fill out only Sections I. II. III. and VI for changes of owner, well name or number, or transporter or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

REQUEST FOR ALLOWABLE

	··			
	ND			
AUTHORIZATION TO TRANSI	PORT OIL AND NATURA	AL GAS		
Operator				
Circle Ridge Production Inc.				
Address	· · · · · · · · · · · · · · · · · · ·			
c/o Oil Reports & Gas Services, Inc. Box 755,	Hobbs, NM 88241			
Reason(s) for filing (Check proper box)	Other (Please e	zpie in)		
New Well Change in Transporter of:				
Recompletion OII Dr	y Gas	Effective	1-1-86	
Change in Ownership Casinghead Gas Co	ondens ete			
If change of ownership give name Great Western Drlg. Co.	, P. O. Box 1659	<u>, Midland, TX</u>	79701	
II. DESCRIPTION OF WELL AND LEASE	·			
Lesse Name Well No. Pool Name, including Fo	i i	(ind of Lease	+	Lease No.
Rock Queen Unit Sec. 26 3 Caprock Quee	n 3	itate, Federal or Fee	State	B-10418
Location				
Unit Letter C : 660 Feet From The North Lin	• and	Feet From The	West	
				6
Line of Section 26 Township 135 Ronge 31	E , NMPM,		_Chaves	County
AT A STATE OF THE AT A STATE O	CAS			
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL Name of Authorized Transporter of Oil API or Condensate	Address (Give address to	which approved copy o	f this form is to	be sent)
	ł			
Texas-New Mexico Pipeline Company Name of Authorized Transporter of Casinghead Gas or Dry Gas	P. O. Box 2528 Address (Give address to	which approved copy o	f this form is to	be sent)
Heme of Authorized 1 temperature of Canadinate Can				
Unit Sec. Twp. Rge.	Is gas actually connected	7 When		
If well produces oil or liquids,	No	i,		
	No.	umber		
If this production is commingled with that from any other lease or pool,	RIAS COMMINGITUR OLGER :		·	
NOTE: Complete Parts IV and V on reverse side if necessary.				
	וו מורכט	NSERVATION DI	VICION	
VI. CERTIFICATE OF COMPLIANCE				
hereby certify that the rules and regulations of the Oil Conservation Division have	APPROVED	<u> NOV 1 8 198</u>	<u>, O</u>	19
been complied with and that the information given is true and complete to the best of				
my knowledge and belief.	BY NAME OF STREET		3.5	
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(Signature)	well, this form must b	e accompanied by a	tabulation of	the deviation
, - , , , , , , , , , , , , , , , , , ,	tests taken on the we	il in accordance wit	th AULE 111.	•
Agent (Title)	All sections of the	de form must be fille mpleted wells.	d out complet	ely for allow-

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OPERATOR	Circle Ridge Production Inc.			0ATE 7-11	-90
LEASE	Rock Queen Unit	WELL NO.	Sec 26	T135-R31E	unit C

STATUS: producee

OH 3052-3064'

8 % " casing set at 2/4 ' with 100 sx of NeAT cement Hole size 12/4 " circ

 $5\frac{1}{2}$ " casing set at 3052 ' with 100 sx of 100 cemen Total Depth 3064 ' Hole size $6\frac{3}{4}$ " 100 2697' 50% efficiency OH 3052 - 3064'

GREAT WESTERN DRILLING CO. /- // - 70	201.04700				DAT	Ε		
ALEASE DOOM OUTEN UNIT	OPERATOR	GREAT WESTERN DRILLING CO.				7- /	1 - 90	
77 300 03	LEASE	ROCK QUEEN UNIT	WELL NO.	LOCATION Sec	23 T/35	R31E	unit	N

STATUS: PAA 2-17-76

10 SXS @ SUFFACE

221

925

1315

25 5xs @ 336-221'

75/8 " casing set at 296 ' with 200 sx of NeA+ cement

336 Hole size ___ Circ cmt

SHOT MO pulled 41/2" CASING @ 1022' Set 40 Sx plug from 1315 to 925'

Could not get helm 1858' set 35 sx plug @ 1858- 1315' plugging procedure approved By 1858 Jerry Sexton

 $4\frac{1}{2}$ " casing set at 3028' with 75 sx of Next cement Total Depth 3038' Hole size 63/4" 700 2694' 50% efficiency

OH 3028-3038

OPERATOR GREAT WESTERN DRILLING CO.		7- 11- 90
LEASE ROCK QUEEN UNIT	WELL Na. 2	Sec 26- T135- R31E unit B

STATUS: POA 1-22-76

NO CASing Pulled 10 SX Surface plug

75/8 " casing set at 305 ' with 250 sx of NOAT cement Hole size // " circ cmt.

1326 15 sx plug @ 1520-1326 1520

2516

50 sxs plug @ 2956 - 2516' Tagged

2956

4/2 " casing set at 3050 ' with 1075 sx of NeA+ cement Total Depth 3070 ' Hole size 63/4 " Circ 225 5xs.

OH 3050 - 3070

OPERATOR	Circle Ridge Production Inc.		DATE 7-11-	90
LEASE	Rock Queen Unit	WELL Na.	SEC 23 7/35 13/E	unit K

STATUS; producer

OH 3043-3062'

75/8 " casing set at 291 ' with 200 sx of regular cement

Hole size 11 " CIRC. Cmt

4/2 " casing set at 3043 ' with 50 sx of <u>regular</u> cemer Total Depth 3062 ' Hole size 63/4" Toc 2820'
5075 efficiency

OPERATOR	Circle Ridge Production Inc.				DATE 7- 11- 90
LEASE	Rock Queen Unit	WELL Na.	LECATION Sec	23	T135 R31E unit M

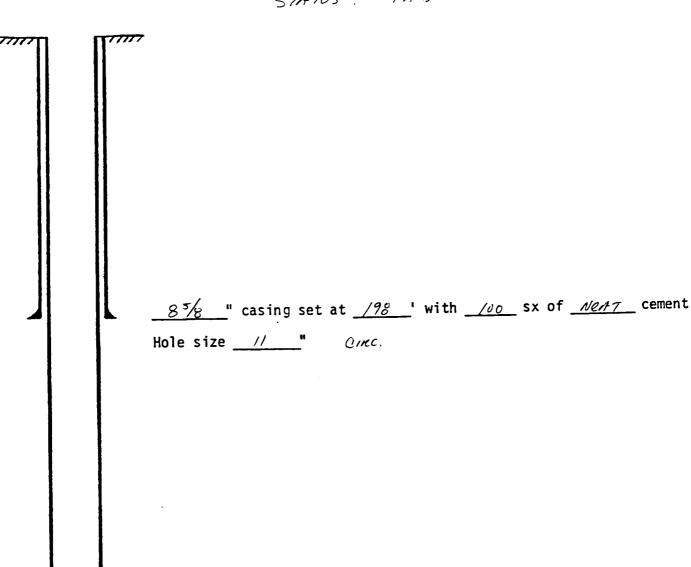
STATUS: PRODUCER

OH 3051 - 3067' 75/8 " casing set at 304 with 250 sx of legular cement

> 4/2 " casing set at 305/ with 75 sx of regular cemer Total Depth 3067 ' Hole size 6/4" Toc 2717'
> 50% efficience OH 3051- 3067'

OPERATOR	Circle Ridge Production Inc.				0ATE 7-1.	1-90
LEASE	Rock Queen Unit	WELL NO.	LOCATION SEC 23	T135	R31E	unit o

STATUS: TA'D



5/2 " casing set at 3035' with 125 sx of NAT cemen

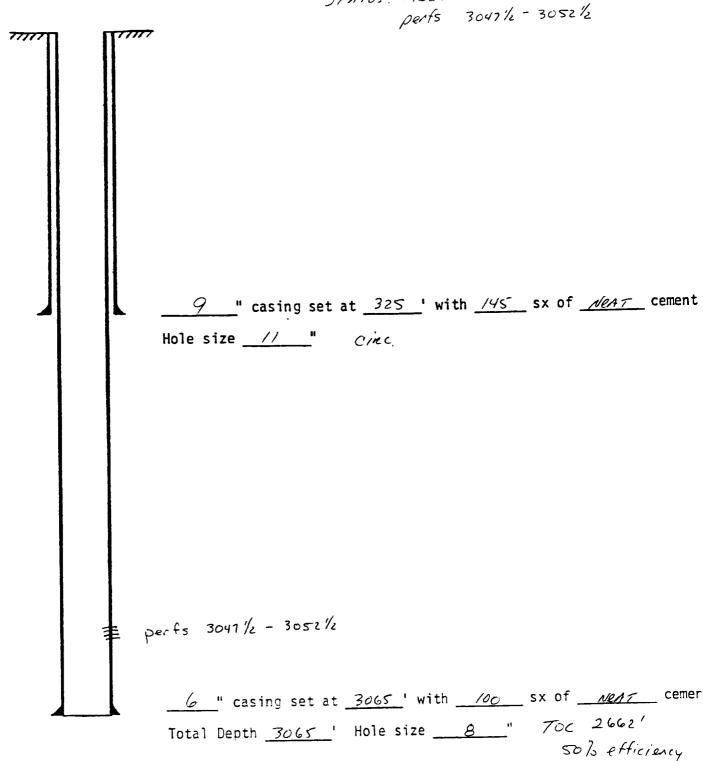
Total Depth 3047 ' Hole size 8 " Toc 2591'

OH 3035 - 3047'

OH 3035 - 3047'

OPERATOR	Circle Ridge Production Inc.			7-11-90				
LEASE	Rock Queen Unit	WELL Na	LOCATION Sec	27 T135	131E	unit A		

Status: PROducer perfs 3047/2 - 3052/2



OPERATOR	Circle Ridge Production Inc.			DATE 7-11 - 90
LEASE	Rock Queen Unit	WELL Na.	SEC	26-7135-R31E Unit A

STATUS: PRODUCER

CH 3053 - 3065

5/2 " casing set at 3053 ' with 125 sx of NAT cemer

Total Depth 3065 ' Hole size 8 " TOC 2609'

50 % efficiency

OPERATOR	Circle Ridge Production Inc.		7- 11- 90
LEASE	Rock Queen Unit	WELL NO.	SEC 26 T135 R31E Unit 6

STATUS: PRODUCER OH 3049-3057'

85/8 " casing set at 289 ' with 175 sx of regulac cement Hole size 12/2" cinc.

5/2 " casing set at 3049 ' with 200 sx of regular cements

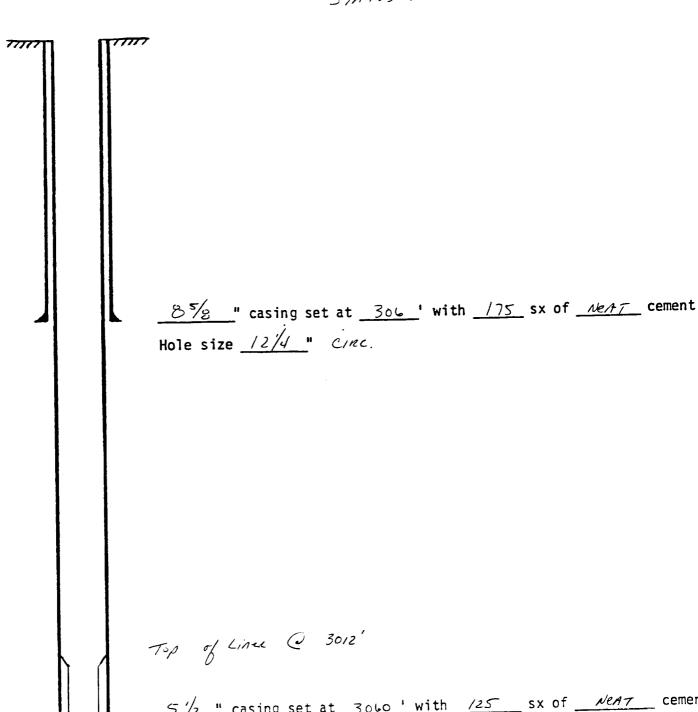
Total Depth 3057 ' Hole size 8 " TOC 2380'

50% efficiency

OH 3049 - 3057'

OPERATOR	Circle Ridge Production Inc.	7-11-90			
LEASE	Rock Queen Unit	WELL Na 8	LOCATION Sec 26 7	135 R31E	unit H

STATUS: TA'O



Total Depth 3070 'Hole size 8 " TOC 2642' 507 efficiency RM 45' 4/2" Linex Set @ 3057 ω / 35 5xs

OPERATOR	Circle Ridge Production Inc.				7-11-90			
LEASE	Rock Queen Unit	WELL Ma	LOCATION Sec 26	T135	R31E	unit	_	

STATUS: Injection Well

OH 3049-3058'

85/8 " casing set at 193 ' with 100 sx of 100 cement Hole size 1/1 " 100 C/RC

5/2 " casing set at 3049' with 125 sx of NeAT cemer

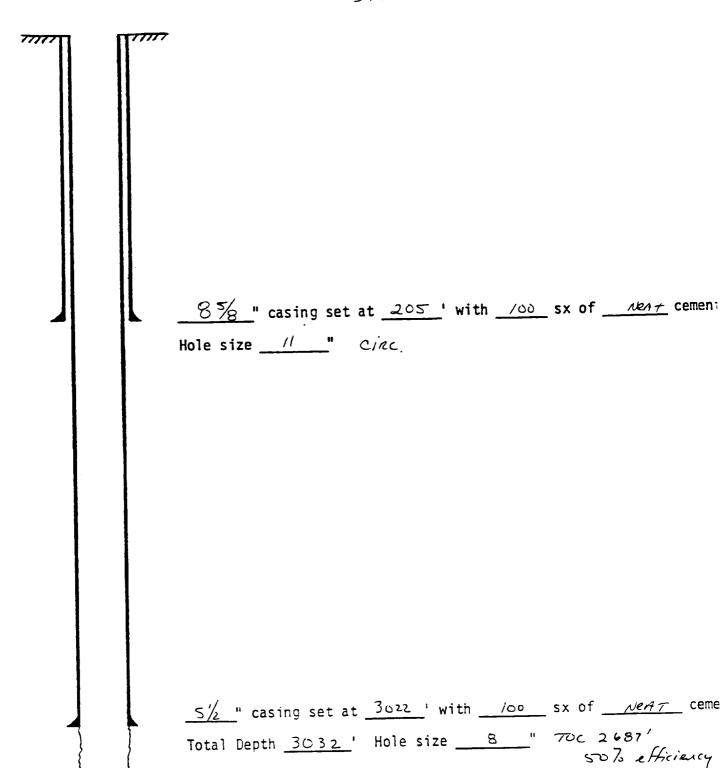
Total Depth 3058 ' Hole size 8 " Toc 2631'

50% efficiency

OH 3049-3058

OPERATOR	Circle Ridge Production Inc.				DAT	E 7-//	- 90	
LEASE	Rock Queen Unit	WELL Na /2	LOCATION Sec =	26	7135	231E	unit	4

STATUS: TA'D



OH 3022 - 3032

OPERATOR	Circle Ridge Production Inc.			DATE	- 90	
LEASE	Rock Queen Unit	WELL NO.	LCCATION Sec	26 7135	131E	unit k

STATUS: Producer

OH 3022-3033

8 % " casing set at 223 ' with 100 sx of Next cement Hole size // " CIRC

5/2 " casing set at 3022 ' with 100 sx of Next ceme

Total Depth 3033 ' Hole size 8 " Toc 2687'

50% efficiency

OH 3022 - 3033

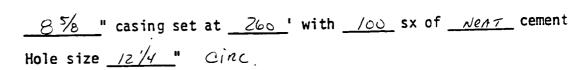
GREAT WESTERN DRILLING C			11- 90
ROCK QUEEN UNIT	8 Sec	27 T135-R31E	unit 4
lack	Status:	P+A 6-76	
10 2×2 @		~	
	č		
30 Sxs @	348-2461		
246'			
$\frac{8\sqrt{8}}{8}$ " casin	on set at 300-	' with /40 s	ix of Next
348' - 78 Casin Hole size /2/4	" Cinc. C	mt.	
1211,			
1311' SHOT AND Set 20	pulled 51/2" cr	Hsing @ 126	, y '
} 5e+ 20	sx plug 1	311-1211	
2692		0.0	
25 sx plug	@ 2934 - 20	• 9 2	
2934 25 5× p/ug	e 2974 - 2	2 434	
20' 370			
2914 Squeezed pars	w/ 150 Sx		
2994 Squeezes 7-103		/ C+	
1 / /1	set at <u>3045</u> '	, . . .	

Total Depth 3045 ' Hole size 63/4 " Toc 2690'

50% efficiency

OPERATOR	Circle Ridge Production Inc.				DATE	7-11	- 90
LEASE	Rock Queen Unit	WELL Na 4	LOCATION	26	7/35	131E	unit D

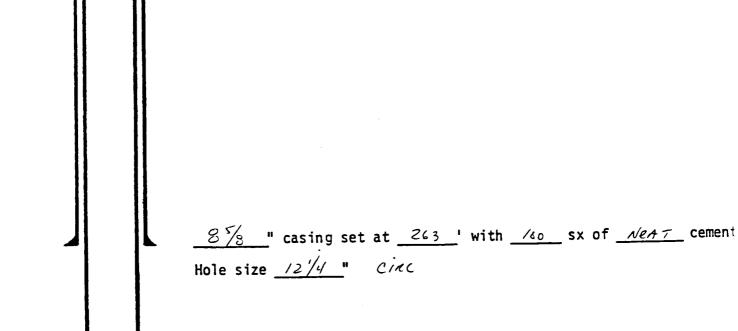
STATUS: Injection well OH 3034- 3051



5/2 " casing set at 3034' with 100 sx of NeAT cemer Total Depth 305/ ' Hole size 8 " 700 2699' 50% efficiency OH 3034- 3051

OPERATOR	Circle Ridge Production Inc.				DATE	7-11	- 90_	
LEASE	Rock Queen Unit	WELL MA	LOCATION Sec	26	T135	131E	unit	سے

5 TATUS: producer OH 3036-3055'



5½ " casing set at 3036' with 100 sx of NOA7 ceme

Total Depth 3055' Hole size 8 " Toc 2701'

50 % efficiency