

Well Name: Kinahan Federal No 1
 Field: Cedar Point Wolfcamp West Gas
 County/State: Chaves, New Mexico

S 1/4 SWSE, 660' FSL, 1980' FEL
 Location: Sec 20, T15S, R30E
 GL: 3994' KB: 4008'

13-3/8", 48# @ 478'

Elder Sur-Lok II pkr @ 2130', SN, 2-7/8" tbg

Perf Queen w/4 JSPF 90 deg phasing:
 2176'-84'; 2191'-2210'; 2212'-17'

PBTD @ 2340'
 Cmt Retainer @ 2350'
 Perf for cmt sq @ 2400' w/4 JSPF, .5" entry holes

8-5/8", 24# @ 2959'

Cmt Retainer @ 5584' topped w/35' cmt
 Perf for cmt sq @ 5650' w/4 JSPF, .5" entry holes

5-1/2" CIBP @ 7930'
 topped w/35' cmt

Bowen csg patch @ 8035' cmt'd w/75 sxs
 Perfs 8060'-8070' (10 holes)
 Perfs 8109'-8118', 8119'-8128'

Perfs 9838'-48' (20 holes)
 CIBP @ 9910' top w/50' cement
 Perfs 9928'-41' (20 holes); 10116'-175' (34 holes)

Retainer @ 11030'
 Squeezed perfs 11033', 035', 048', 050', 11049'-071'
 5-1/2", 17# @ 11157'

APPLICATION FOR AUTHORIZATION TO INJECT
ITEM VI
V. G. KINAHAN FED #1

Kinahan Federal #1
Wells within area of review

	Well Name	Status	Spud	Comp	Location	TD	Perfs	Comments
1.	Cedar Point #2	D&A	8-23-77	9-13-77	21L-15S-30E	2,350'		
2.	E Spencer "B" Fed #1 Convert to	D&A WDW P&A	11-1-60 12-1-68	1-1-61 5-22-74	28D-15S-30E	11,353'	2,450'-2,782'	
	Recomp as Sam Federal #1	D&A	2-27-86	9-24-86			10,363'-367' 10,164'-171' 9,884'-88'	
	Recomp	Oil	7-30-87	9-4-87			9,695'-9,703' 9,695'-9,703' 8,748'-8,830' 8,534'-8,627'	BP @ 9,615' BP @ 8,710'
3.	Peery Federal #4 OWWO Recomp as Peery Fed Com #1-A	SWD Gas TA	7-9-70 7-28-85 4-10-88	8-26-70 7-30-85 4-27-88	29A-15S-30E	11,796' 10,160'	10,024'-038' 9,995' 9,883'-94'	Sqzd old perfs 10024-038
4.	Peery Federal #1	TA	5-29-58	10-9-58	29G-15S-30E	12,298'	11,050'-134' 12,068'-106'	
5.	V. G. Kinahan Fed #2	Oil	4-1-94	6-3-94	20D-15S-30E	11,100'	10,989'-11,100'	Open hole

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ITEM VII.
V. G. KINAHAN FED #1

PROPOSED OPERATION:

1. Average injection rate of 200 BPD, maximum injection rate of 750 BPD.
2. Closed system.
3. Average injection pressure of 200 psi, maximum injection pressure of 500 psi.
4. Analyses attached.
5. Not within one mile.

ITEM VIII.

KB 4008

Top of Queen Sand	2176'
Bottom of Queen Sand	2218'

Fine-grained, red & gray sandstone

Perforated during recompletion attempt @:

2176-84
2191-2210
2212-17

ITEM XII.

Available geologic and engineering data has been examined and no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water has been found.

Affirmed by:



R. F. Burke
Operations Manager
Matador Operating Company



HALLIBURTON

ITEM VII. 4.

Analysis, receiving formatio

To MATADORSample Number 391

*milligrams per liter

Submitted by Frank C. Roswell Inn - 623-4920

Submitted by

Date Received 12-20-93Well No. KIDAHAN FEDERAL #1Depth 2217Formation QueensCounty Eddy N.M.Field North Loco HillsSource SwabResistivity..... 0.52 @ 69° -Specific Gr..... 1.205pH..... 6.4Calcium*..... 5750

Ca

Magnesium*..... 7650

Mg

Chlorides*..... 161000

Cl

Sulfates*..... ModerateSO₄Bicarbonates*..... 268HCO₃Soluble Iron*..... 100

Fe

HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

ARTESIA DISTRICT

LABORATORY REPORT

ITEM VII. 4.
Analysis of injection fluid.

No. _____

Date 8/9/94TO Matador Operating
415 W. Wall
Suite 1101
Midland Tx 79701

This report is the property of Halliburton Services 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 Services.

Submitted by 1-800-388 5955 Date Rec. 8/9/94Well No. KINAHAN #2 Depth _____ Formation _____

Field _____ County _____ Source _____

Resistivity 0.14Specific Gravity .. 1.04pH 6.7Calcium 2200 mg/lMagnesium 270 mg/lChlorides 33000 mg/lSulfates NilBicarbonates 300 mg/lSoluble Iron NilRemarks: (No Marking on Sample Bottle)David McKenzie
Respectfully submitted

Analyst: _____

HALLIBURTON SERVICES

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AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

General Manager

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of _____

one weeks.

Beginning with the issue dated

August 3, 1994

and ending with the issue dated

August 3, 1994

Kathi Bearden
General Manager

Sworn and subscribed to before

me this 5 day of

August, 1994
Charlene L. Lavin

Notary Public.

My Commission expires
March 15, 1997

(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

APPLICATION FOR AUTHORIZATION TO
INJECT
ITEM XIII.
V. G. Kinahan Fed #1

LEGAL NOTICE
August 3, 1994
Operator Operating Co.
1415 W. Wall, Ste 1414
Midland, TX 79701 (915)
337-3955, R.F. Burke, Oper-
ation Manager, is supplying
a permit to convert to V
Queen Field, well 900
BL 1980, F. 200, 200
530E, Lea County,
Mexico, and a disposal well.

Disposal will be into the Queen formation from 2176 to 2218 with a maximum injection rate of 750 BPD at a maximum pressure of 500 psi. Per-
sons wishing to object or re-
quest a hearing should con-
tact the Oil Conservation Di-
vision, P.O. Box 2088, Santa
Fe, NM 87501 within 15
days. (S. 15.1-2-1 N.M. 2312.1)

P 778 125 993
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
BLM/Roswell	
Street and No.	
P. O. Drawer 1857	
P O., State and ZIP Code	
Roswell, NM 88202-1857	
Postage	\$.75
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 2.75
Postmark or Date	
8-23-94	

PS Form 3800, June 1985