

#### STATE OF NEW MEXICO

## ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178

OIL CONSERVATION DIVISION BOX 2088 SANTA FE, NEW MEXICO 87501 RE: Proposed MC Proposed DHC Proposed NSL Proposed SWD Proposed WFX & Proposed PMX Gentlemen: I have examined the application dated  $\frac{3}{2}/8$ and my recommendations are as follows:

Yours truly,

August 20, 1987

Mr. Frank Chavez New Mexico Oil Conservation Commission 1000 Rio Brazos Road Aztec, New Mexico 87410

Subject: Carson Unit No. 23-18

NE/4 SW/4 Section 18, T 25N, R 11W

San Juan County, New Mexico

AUG2 1 1987, OIL CON. DIV.

Dear Mr. Chavez:

Enclosed for your information is our Application for Authorization to Inject for the above referenced well. The original Application for Authorizaion to Inject has been sent to the New Mexico Oil Conservation Commission in Santa Fe for approval.

tershers

Very truly yours,

Aldrich L. Kuchera

President

Enclosures

EJB/res

#### AND PARAGRAPH A LONG STATE LAND OFFILE BUILDING APPLICATION FOR AUTHORIZATION TO INJECT L Secondary Recovery X Pressure Maintenance Purpose: □ Storage , Directl Application qualifies for administrative approval? XXIyes II. Hixon Development Company Address: P.O. Box 2810. Farmington, New Mexico 87499 Contact party: 326-3325 Aldrich L. Kuchera Phone: III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary. IV. Is this an expansion of an existing project? X yes If yes, give the Division order number authorizing the project ٧. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail. VII. Attach data on the proposed operation, including: Proposed average and maximum daily rate and volume of fluids to be injected; 2. Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.). \*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval. IX. Describe the proposed stimulation program, if any. Х. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.) XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if

If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

available and producing) within one mile of any injection or disposal well showing

examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground

Applicants must complete the "Proof of Notice" section on the reverse side of this form.

I hereby certify that the information submitted with this application is true and correct

Title President

Date:

Applicants for disposal wells must make an affirmative statement that they have

location of wells and dates samples were taken.

to the best of my knowledge and belief.

Kuchera

Marich L

source of drinking water.

Certification

Signature

XII.

XIII.

XIV.

#### Hixon Development Company Application for Authorization to Inject Form C-108 Supplemental Information

Carson Unit Well No. 23-18 NE/4 SW/4, Section 18, T 25N, R 11W San Juan County, New Mexico

- I. Shown on Application.
- II. Shown on Application.
- III. Well data attached.
- IV. This well is located in Federal and State approved waterflood project operational since 1959.
- V. Area of review is shown on attached map.
- VI. Information for well's located in area of review are attached as follows:

Carson Unit Well No. 43-13 Carson Unit Well No. 12-18

Carson Unit Well No. 12-10

Carson Unit Well No. 13-18

Carson Unit Well No. 14-18

Carson Unit Well No. 21-18

Carson Unit Well No. 22-18

Carson Unit Well No. 24-18

Carson Unit Well No. 32-18

Carson Unit Well No. WI33-18

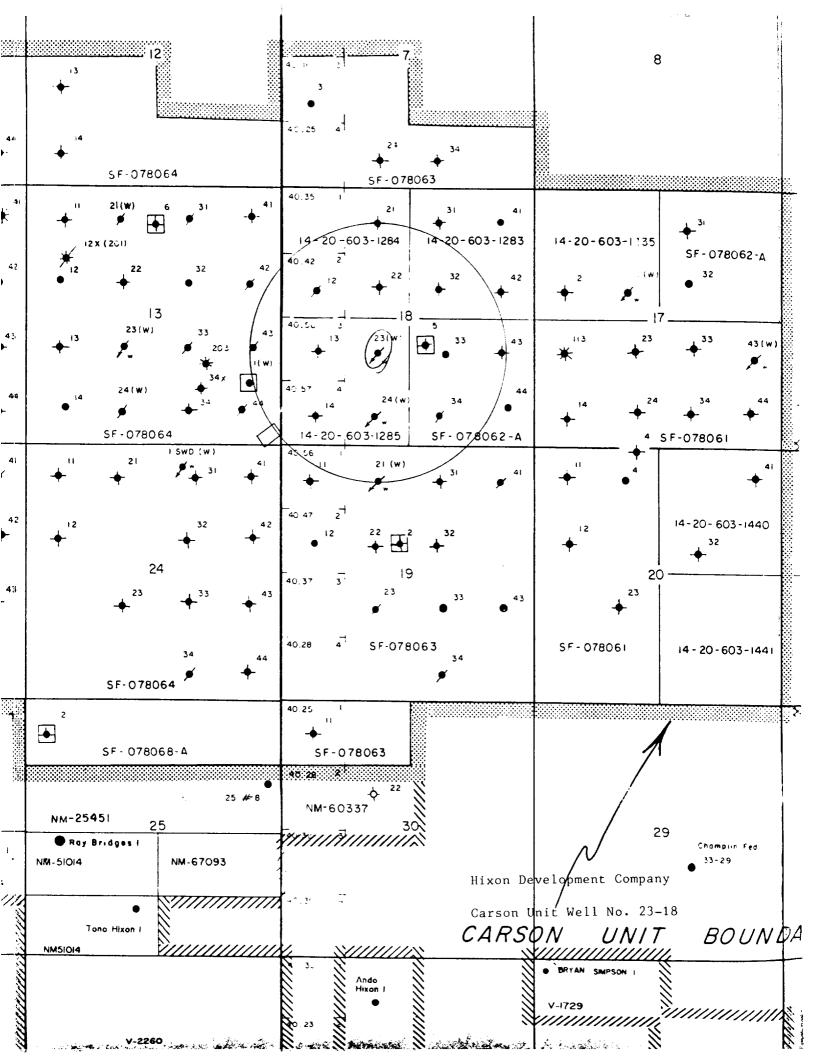
Carson Unit Well No. 34-18

Carson Unit Well No. 43-18

Carson Unit Well No. 21-19

- VII. 1. Proposed average injection rate is 600 BWPD, expected maximum injection rate is 1000 BWPD.
  - 2. The injection system will be closed.
  - 3. Average injection pressures are expected to be in the 800-975 psi range. Maximum injection pressure will be 975 psi.
  - 4. Refer to the attached water analysis report. Since the formation water to be encounted is primarily previously injected water no problems are expected in mixing the two waters.

- 5. This well is part of an extensive waterflood project active in the Carson Unit since 1959. All produced water is reinjected into the oil productive Lower Gallup sand to maintain pressure. Injection into the Lower Gallup sand is for waterflooding not disposal.
- VIII. The injection zone is the Lower Gallup sandstone. This zone is shown to be 44' in thickness with a top of 4870' KBE as shown on SP log previously submitted. No known sources of underground drinking water exist in this area. Water well drilling in the area has shown the Ojo Alamo to be dry.
  - IX. The well will be acidized if required to maintain injection rate and pressure.
    - X. Logs were previously submitted.
  - XI. No known sources of drinking water exist in this area.
- XII. This well is part of the existing approved waterflood operation for the Carson Unit. It is not a disposal well.
- XIII. Proof of notification attached.
- XIV. Certification shown on application.



# san esting labo : ry, inc.

907 WEST APACHE . PO BOX 2079 . FARMINGTON, NEW MEXICO

PHONE 327-4966

	Date June 10, 1977	-
port to	Hixon Development Company	_
	A. Kuchera, Mgr. Sompled by Hixon Personnel	-
	CRU #5 Location NW NW Sec. 6, T25N, R12W	_
' urce of Material _	Lower Gallup Produced Water	-
	Todaconing	-
Lab No	24509 Water Analysis for Petroleum Engineering TEST RESULTS	-
		_

## WATER ANALYSIS FOR PETROLEUM ENGINEERING

nstituent		Constituents	•	
tal Solids	2263 ppm 7.25	<u>Cations</u> <u>Sodium</u>	Meg/L 29.3	674
sistivity nductivity	2.94 ohms/meter @70°F 3,400 micromhos/cm @ 70°F	Calcium Magnesium Iron Barium	2.3 0.5 neg.	45 6 3 0
mnents		Anions		
sentially the lifate solution	nis is a 0.2% sodium ion.	Chloride Bicarbonate Carbonate Hydroxide Sulfate	4.1 4.0 0 0 24.0	145 244 0 0 1150

P.O. Box 2810

Farmington, New Mexico 87401

rest NO. 22096

Certified by:



#### INJECTION WELL

#### DATA SHEET

#### III. WELL DATA

#### PART A

- 1. Carson Unit Well No. 23-18
   1980' FSL, 1888' FWL
   Section 18, T 25N, R 11W
- 2. Surface Casing

Hole Size: 12-1/4"
Casing: 8-5/8", 24#
Setting Depth: 102'

Production Casing

Hole Size: 7-7/8"
Casing: 4-1/2"
Setting Depth: 5006'

PBD: 4937'

3. Tubing: 2-3/8" Setting Depth: 4875'

4. Packer: Baker Model "AD-1" Packer Set at 4675'

#### PART B

- 1. Injection Formation: Bisti Lower Gallup Field or Pool Name: Bisti Lower Gallup
- 2. Perforated Injection Intervals: 4875'-4891', 4901'-4913', 4944'-4951', 4954'-4970', 4974'-4984'
- 3. Well was drilled as a producing well.
- 4. None
- 5. Next Higher Oil and Gas Zone: Pictured Cliffs at 1198'
  Next Lower Oil and Gas Zone: Dakota at Unknown Depth

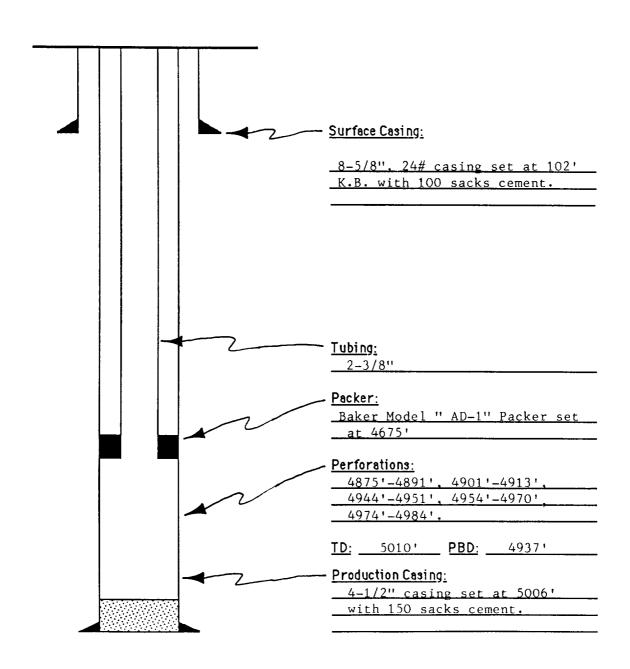
#### Hixon Development Company

Injection Well Schematic

Well Name: Carson Unit Well No.1 23-18

Legal Location: 1980' FSL, 1888' FWL

Section 18, T25N, R11W
San Juan County, New Mexico



## AFFIDAVIT OF PUBLICATION

No. 20434

STATE OF NEW MEXICO, County of San Juan:

Betty Shipp being duly
sworn, says: That he is the Natil Ad Manager of
THE FARMINGTON DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the
hereto attachedlegal notice
was published in a regular and entire issue of the said FARMINGTON DAILY
Times, a daily newspaper duly qualified for the purpose within the
meaning of Chapter 167 of the 1937 Session Laws of the State of New
Mexico for Oile c如於於於X(days) (姚珠s) on the same day as
follows:
First Publication Tuesday, July 28, 1987
Second Publication
Third Publication
Fourth Publication
and that payment therefor in the amount of \$ 6.25
has been made.
Betty Oliopo
N
Subscribed and sworn to before me this 28th day
of July 87.
Connie Andras
NOTARY PUBLIC, SAN JUAN COUNTY, NEW MEXICO
My Commission expires: July 3, 1989

## Copy of Publication

NOTICE

Hixon Development Company, PO Box 2810, Farmington, New Mexico 87499. (505) 326-3325 whose agent is Aldrich L. Kuchera hereby notifies interested parties that the following well is to be converted to a water injection well. Maximum rate will be 1000 BWPD at less than 975 psi. Any request for information or objections should be filed with the Oil Conservation Division, State Land Office Building, PO Box 2088, Santa Fe, New Mexico 87501 within 15 days.

days.

Carson Unit Well 23-18, NE/4
SW/4, Section 18, T25N, R11W
Legal No. 20434 published in
the Farmington Daily Times, Farmington, New Mexico on Tuesday,
July 28, 1987.

#### NOTICE

Hixon Development Company, P.O. Box 2810, Farmington, New Mexico 87499, (505) 326-3325 whose agent is Aldrich L. Kuchera hereby notifies interested parties that the following well is to be converted to a water injection well. Maximum rate will be 1000 BWPD at less than 973 psi. Any request for information or objections should be filed with the Oil Conservation Division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

Carson Unit Well 23-18, NE/4 SW/4, Section 18, T 25N, R 11W

To be published: July 28, 1987

Legal No. : 20434

Well Name:	Carson Unit #43-13
Legal Description:	1980' FSL, 660' FEL Sec. 13, T25N-R12W San Juan County, N.M.
Well Type:	Oil Well
Spud Date:	01/12/57
Surface Casing Hole Size: Surface Casing Size: Surface Casing Depth:	12-1/4" 8-5/8" 234'
Cementing Record:	150 sx.
Production Casing Hole Size: Production Casing Size: Production Casing Depth:	7-7/8" 4-1/2" 5033'
Cementing Record:	200 sx.
Perforations:	4889'-4897' 4900'-4914' 4922'-4927' 4972'-4982' 4990'-4994'

5033'

5054'

Plug-Back Depth:

Total Depth:

Well Name: Carson Unit #12-18

Legal Description: 2080' FNL, 660' FWL

Sec. 18, T25N-R11W San Juan County, N.M.

Well Type: Oil Well

Spud Date: 03/11/58

Surface Casing Hole Size: 12-1/4"
Surface Casing Size: 8-5/8"
Surface Casing Depth: 103'

Cementing Record: 100 sx.

Production Casing Hole Size: 7-7/8"
Production Casing Size: 4-1/2"
Production Casing Depth: 5018'

Cementing Record: 150 sx.

Perforations: 4880'-4898'

4904'-4918' 4947'-4954' 4960'-4974' 4978'-4988'

Plug-Back Depth: 5015'

Total Depth: 5020'

Well Name:	Carson Unit #13-18	10 sk. surface marker 2
Legal Description:	1980' FSL, 750' FWL Sec. 18, T25N-R11W San Juan County, N.M.	25 sk. plug at base of surface casing (180'-94')
Well Type:	P & A	35 sk. plug at 380' (380'-258')
Spud Date:	01/11/60	(555 255)
•		50 sk. plug at csg. stub
Surface Casing Hole Size:	12-1/4"	(1240'-1066')
Surface Casing Size:	8-5/8"	
Surface Casing Depth:	109'	Shot off 4-1/2"
		casing at 1240'
Cementing Record:	100 sx.	
		/   //
Production Casing Hole Size:	7-7/8"	\
Production Casing Role Size:	4-1/2"	
Production Casing Depth:	5038'	
. reaction easing Depui.	0000	
Cementing Record:	150 sx.	7-7/8" hole ———
Perforations:	40741 40001	
Periorations:	4874'-4890' 4892'-4898'	
	4904'-4912'	
	4954'-4968'	
	4974'-4984'	
	137.1.1007	
Plug-Back Depth:	5038'	20 sk. plug over
		and above perfs
Takai Damala.	E0.401	/F000( 4770)

(5038'-4779')

5040'

Total Depth:

Well Name:	Carson Unit #14-18	Abandonment marker
Legal Description:	660' FSL, 662.8' FWL Sec. 18, T25N-R11W San Juan County, N.M.	25 sk. plug at base of surface casing (100'-15')
Well Type:	P & A	35 sk. plug at 320' (380'-201')
Spud Date:	01/17/58	
		45 sk. plug at csg. stub/
Surface Casing Hole Size:	12-1/4"	(1400'-1247')
Surface Casing Size:	8-5/8"	
Surface Casing Depth:	100.5'	Shot off 4-1/2"
		casing at 1400'
Cementing Record:	100 sx.	
Production Casing Hole Size:	7-7/8"	
Production Casing Size:	4-1/2"	
Production Casing Depth:	5023'	
Cementing Record:	150 sx.	7-7/8" hole
Perforations:	4877'-4904'	
	4911'-4923'	
	4951'-4957'	
	4962'-4976'	
	4980'-4997'	\
		(
Plug-Back Depth:	5020'	25 sk. plug over perforations
Total Depth:	5025'	(4941'-4626')
•		

Well Name:	Carson Unit #21-18	10 sk. surface marker
Legal Description:	660' FNL, 1973' FWL Sec. 18, T25N-R11W San Juan County, N.M.	25 sk. plug at base of surface casing (176'-90')
Well Type:	P & A	35 sk. plug at 1079'
Spud Date:	07/29/58	(1010 301)
Surface Casing Hole Size: Surface Casing Size:	12-1/4" 8-5/8"	50 sk. plug at csg. stub (1502'-1328')
Surface Casing Depth:	106'	Shot off 4-1/2" casing at 1502'
Cementing Re∞rd:	100 sx.	
Production Casing Hole Size:	7-7/8"	7-7/8" hole
Production Casing Size:	4-1/2"	\   _   \
Production Casing Depth:	5015'	
Cementing Record:	150 sx.	Lost 2-3/8" tbg. in hole. Top of fish at 2821'.
Perforations:	4883'-4912'	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	4936'-4942'	/ 11 11 \
	4950'-4965'	(         (
	4968'-4980'	)       }
Plug-Back Depth:	5015'	20 sk. plug over and above perfs
Total Depth:	5024'	(4925'-4666')

Well Name:	Carson Unit #22-18	10 sk. surface marker
Legal Description:	1980' FNL, 1980' FWL	25 sk. plug at base
	Sec. 18, T25N-R11W	of surface casing
	San Juan County, N.M.	(170'-86')
		(1.0 00)
Well Type:	P&A	35 sk. plug at 300'
11011 13po.	1 dA	(300'-181')
Spud Data:	01/10/00	(300-101)
Spud Date:	01/19/60	
0 1 0 1 11 0		45 sk. plug at 1360'
Surface Casing Hole Size:	12-1/4"	(1360'-1207')
Surface Casing Size:	8-5/8"	<del>-</del> /
Surface Casing Depth:	109'	30 sk. plug at csg. stub
		(1802'-1700')
Cementing Record:	100 sx.	
•		Shot off 4-1/2"
		casing at 1802'
Production Casing Hole Size:	7-7/8"	545g at 1552
Production Casing Size:	4-1/2"	
Production Casing Depth:	5024'	)     )
r roduction casing Deptir.	3024	\   (
Cementing Record:	150 sx.	7-7/8" hole
Comenting Hecord.	100 5%.	7-770 11016
Perforations:	4881'-4891'	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
i dilatations.	4895'-4913'	\
	4940'-4944'	{     (
		\
	4954'-4966'	
	4972'-4982'	
Plug-Back Depth:	5024'	20 sk. plug over
	002 :	and above perfs
Total Depth:	5025'	(4899'-4647')
i Otal Deptili.	3023	(4033-404/)

Well Name: Carson Unit #24-18 Legal Description: 660' FSL, 1930' FWL Sec. 18, T25N-R11W San Juan County, N.M. Well Type: Gas Storage Well (awaiting approval) Spud Date: 04/28/59 Surface Casing Hole Size: 12-1/4" Surface Casing Size: 8-5/8" Surface Casing Depth: 106' Cementing Record: 100 sx. Production Casing Hole Size: 7-7/8" Production Casing Size: 4-1/2" Production Casing Depth: 5007' Cementing Record: 150 sx. Perforations: 4861'-4889' 4894'-4902'

Plug-Back Depth:

Total Depth:

4934'-4941' 4946'-4960' 4963'-4976'

5007'

5010'

Well Name:	Carson Unit #32-18	10 sk. surface marker
Legal Description:	1980' FNL, 1980' FEL	25 sk. plug at base
20ga: 2000.p.io	Sec. 18, T25N-R11W	of surface casing
	San Juan County, N.M.	(195'-109')
		<del></del>
Well Type:	P&A	50 sk. plug at 450'
Could Date:	4 4 14 7 15 7	(450'-276')
Spud Date:	11/17/57	50 ok plug ot oog etub
Surface Casing Hole Size:	12-1/4"	50 sk. plug at csg. stub (1297'-1123')
Surface Casing Size:	8-5/8"	(1297-1125)
Surface Casing Depth:	124'	Shot off 4-1/2"
<b>.</b>		casing at 1297'
Cementing Record:	100 sx.	
		<i>i</i>
Braduatian Casina Hala Sina	7.7/08	)     )
Production Casing Hole Size: Production Casing Size:	7-7/8" 4-1/2"	\
Production Casing Size:  Production Casing Depth:	5020'	$\mathcal{H}$
. reduction easing peptin.	0020	\
Cementing Record:	150 sx.	7-7/8" hole
<b>5</b> ( )		<i>}</i>     \
Perforations:	4924'-4935'	\
	4940'-4957' 4984'-4990'	(
	4998'-5010'	
	1000 0010	(
Plug-Back Depth:	5016'	20 sk. plug over
•		and above perfs
Total Depth:	5030'	(5016'-4757')

Well Name: Carson Unit #33-18

Legal Description: 1930' FSL, 1980' FEL

Sec. 18, T25N-R11W San Juan County, N.M.

Well Type: Water Injection Well

Spud Date: 05/06/59

Surface Casing Hole Size: 12-1/4"
Surface Casing Size: 8-5/8"
Surface Casing Depth: 109'

Cementing Record: 100 sx.

Production Casing Hole Size: 7-7/8"
Production Casing Size: 4-1/2"
Production Casing Depth: 5045'

Cementing Record: 150 sx.

Perforations: 4899'-4919'

4928'-4940' 4969'-4975' 4982'-4997' 5001'-5018'

Plug-Back Depth: 5045'

Total Depth: 5050'

Well Name:	Carson Unit #34-18
Legal Description:	660' FSL, 1980' FEL Sec. 18, T25N-R11W San Juan County, N.M.
Well Type:	Oil Well
Spud Date:	08/17/57

Surface Casing Hole Size: 12-1/4"
Surface Casing Size: 8-5/8"
Surface Casing Depth: 176'

Cementing Record: 100 sx.

Production Casing Hole Size: 7-7/8"
Production Casing Size: 4-1/2"
Production Casing Depth: 5010'

Cementing Record: 150 sx.

Perforations: 4869'-4886'

4900'-4908' 4952'-4958' 4971'-4978'

Plug-Back Depth: 4995'

Total Depth: 5014'

Well Name:	Carson Unit #43-18	10 sk. surface marker
Legal Description:	1980' FSL, 660' FEL Sec. 18, T25N-R11W San Juan County, N.M.	25 sk. plug at base of surface casing (180'-94')
Well Type:	P & A	35 sk. plug at 475' 2 (475'-353')
Spud Date:	02/08/58	
·		50 sk. plug at csg. stub
Surface Casing Hole Size:	12-1/4"	(1218'-1044')
Surface Casing Size:	8-5/8"	
Surface Casing Depth:	111'	Shot off 4-1/2"
		casing at 1218'
Cementing Record:	100 sx.	
		<i>\</i>
Production Cosing Halo Siza	7-7/8"	\
Production Casing Hole Size: Production Casing Size:	4-1/2"	
Production Casing Depth:	5070'	
Floduction Casing Depth.	5070	(   )
Cementing Record:	150 sx.	7-7/8" hole
3		
Perforations:	4932'-4946'	
	4953'-4971'	<b>\      </b>
	4995'-5003'	
	5010'-5024'	}
	5028'-5040'	
Plug-Back Depth:	5070'	20 sk. plug over
riug-back beptili.	3070	and above perfs
Total Depth:	5071'	(4971'-4712')
ioidi bepiii.	0071	(30/1 3/16)

Well Name:	Carson Unit #21-19
Legal Description:	660' FNL, 1980' FWL Sec. 19, T25N-R11W San Juan County, N.M.
Well Type:	Water Injection Well (awaiting approval)
Spud Date:	06/22/57
Surface Casing Hole Size: Surface Casing Size: Surface Casing Depth: Cementing Record:	12-1/4" 8-5/8" 213' 130 sx.
Production Casing Hole Size: Production Casing Size: Production Casing Depth:	7-7/8" 4-1/2" 5022'
Cementing Record:	150 sx.
Perforations:	4866'-4892' 4900'-4908' 4939'-4944' 4951'-4962' 4969'-4978'
Plug-Back Depth:	5022'
Total Depth:	5026'

Form 3160-5 November 1983) Formerly 9-331)  UNITED STATES SUBMIT IN TRIPLICATE*  (Other Instructions on re- BUREAU OF LAND MANAGEMENT	Expires August 31, 1985  5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-1285
SUNDRY NOTICES AND REPORTS ON WELLS  (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.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL X GAR WELL OTHER	7. UNIT AGREEMENT NAME Carson Unit
NAME OF OPERATOR	8. FARM OR LEASE NAME
Hixon Development Company	9. WELL NO.
P.O. Box 2810, Farmington, New Mexico 87499	23-18
LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*	10. FIELD AND POOL, OR WILDCAT
See also apace 17 below.) At surface	Bisti Lower Gallup
1980' FSL, 1888' FWL, Section 18, T25N, R11W, NMPM	11. SEC., T., R., M., OR RLK. AND SURVEY OR ARMA
	Sec. 18, T25N, R11W
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6392.5' KB	12. COUNTY OF PARISH 13. STATE  San Juan New Mexico
6. Check Appropriate Box To Indicate Nature of Notice, Report, or O	Ther Uata But appose of:
	, <u> </u>
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT  MULTIPLE COMPLETE  FRACTURE TREATMENT  SHOOT OR ACIDIZE  ABANDON*  SHOOTING OR ACIDIZING	ALTERING CABING ABANDONMENT®
SHOOT OR ACIDIZE ABANDON SHOOTING OR ACIDIZING  REPAIR WELL CHANGE PLANS (Other)	
Convert to Water Injection vy (Nots: Report results	of multiple completion on Well etion Report and Log form.)
7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical nent to this work.) *	including estimated date of starting any
Hixon Development Company plans to convert this we injection as part of our current water flood syste inject water into the Lower Gallup perforations 48 4901' - 4913', 4944' - 4951', 4965' - 4970', and 4	m. We will 75' - 4891',
We will change the name of this well from Carson U No. 23-18 to Carson Unit Well No. WI 23-18.	nit Well
OCT OIL CO DIS	23 1987 W
18. I hereby certify that the foregoing is true and correct  SIGNED _ Bruce C. Deliverther TITLE Petroleum Engineer	DATE October 16,

SIGNED Bruce E. Delventhal	Petroleum Engineer	DATE October 16, 1987
(This space for Federal or State office use)		(6)
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

ch L

\*See Instructions on Reverse Side

H