December 1, 1989

New Mexico Oil Conservation Commission State Land Office Building P.O. Box 2088 Santa Fe, New Mexico 87504

Subject: Carson Unit Well No. 21-19 660' FNL, 1980' FWL Sec. 19, T 25N, R 11W

Dear Sir:

Enclosed for your approval is our Application tor Authorization to Inject for the above referenced well. Upon receipt, an Affidavit of Publication will be forwarded to you.

Very truly yours.

Bruce E. Delventhal

Vice President - Operations

Bruce & Delventhal

BED/das

Enclosures

APPLICATION FOR AUTHORIZATION TO INJECT	APPLICATION	FOR	AUTHORIZATION	10	INJECT
---	-------------	-----	---------------	----	--------

I.	Purpose: Secondary Recovery Pressure Maintenance Disposit Storage Application qualifies for administrative approval? Wyes Inc
II.	Operator: Hixon Development Company
	Address: P.O. Box 2810, Farmington, New Mexico 87499
	Contact party: Bruce E. Delventhal Phone: (505) 326-3325
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? XX yes no no 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 male 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 fluies to be injected; 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 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.).
III.	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 available and producing) withis one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering date and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
III.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification
	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	Name: Bruce E. Pelventhal Title Vice President - Operations
	Signature: Bruce O Delventha Date: December 1, 1989

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:
 - 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) Ite 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 we ls 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 SULMITTED.

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.

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

Carson Unit Well No. 21-19 NE/4, NW/4, Section 19, T 25N, R 11W San Juan County, New Mexico

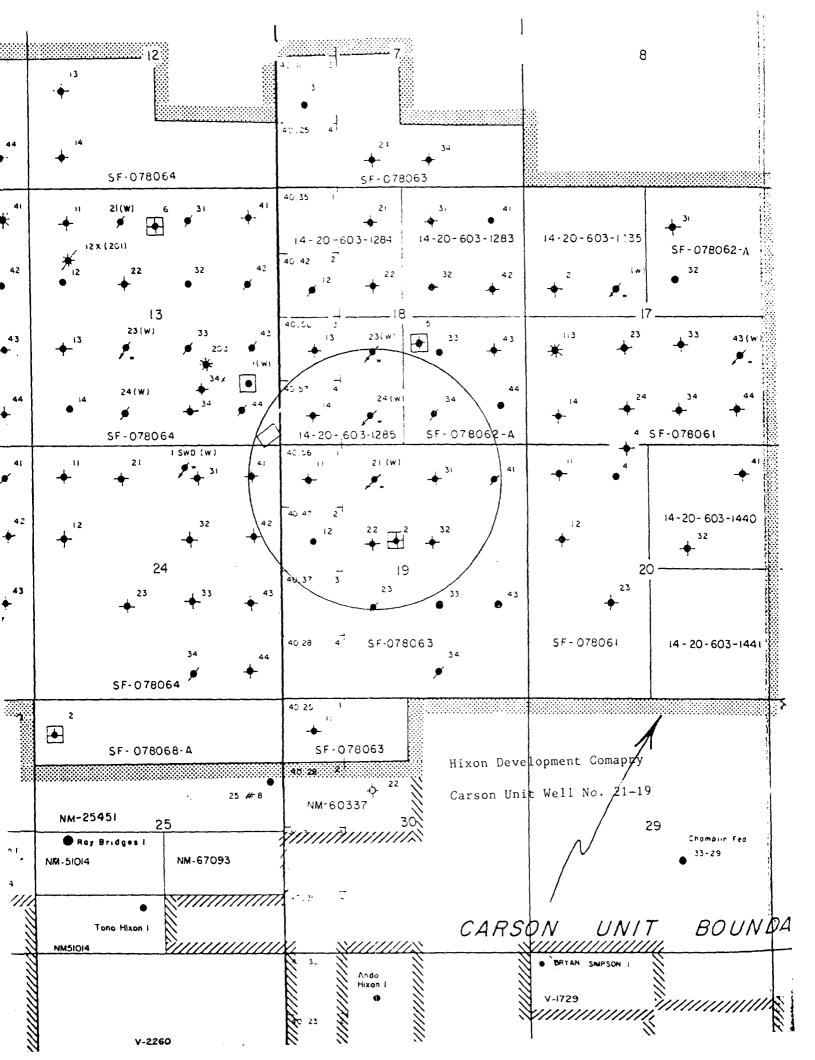
- I. Shown on Application.
- II. Shown on Application.
- III. Well data attached.
- IV. This well is located in Federal and State approved waterflood project operational since 1959.
- V. Area of review is shown on attached map.
- VI. Information for wells located in area of review are attached as follows:

Carson Unit Well No. 14-18 Carson Unit Well No. 23-18
Carson Unit Well No. 24-18 Carson Unit Well No. 34-18 Carson Unit Well No. 11-19
Carson Unit Well No. 12-19
Carson Unit Well No. 22-19
Carson Unit Well No. 23-19
Carson Unit Well No. 31-19
Carson Unit Well No. 32-19
Carson Unit Well No. 32-19
Carson Unit Well No. 41-19
Carson Unit Well No. 41-24

- VII. 1. Proposed average injection rate is 600 bwpd, expected maximum injection rate is 1200 bwpd.
 - 2. This system will be closed.
 - 3. Average injection pressures are expected to be in the 800-973 psi range. Maximum injection pressure will be 973 psi.
 - 4. Refer to the attached water analysis report. Since the formation water to be encountered is primarily previously injected water, no problems are expected in mixing the two waters.

Application for Authorization to Inject Page 2

- 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 to be 51° in thickness with a top of 4860' KB as shown on the SP log previously submitted. No known sources of underground drinking water exist in this area. Water well drilling in this 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.



					2	T AREA
1	•					BISTI - CARSON UNIT
я :		•		NON UNIT BOUN		CENTRAL BISTI - CARSO
	•					S N
					я	
	1. 1			11 E	#	
12 W				transport	I	
K	i, i,		NOARY	z	9	
			1351 WHI 80	. 12 . 15 . 15 . 15	z	
			COMPAGE		 	
! ! !		9 z	- × ×	!] '

.

sa. . . r testing labo : ru, inc.

907 WEST APACHE

PO BOX 2079 .

FARMINGTON, NEW MEXICO

PHONL 327-4966

			Datevlu	ne 10. 1977	
eport to	Hixon Development Comp	oany			
	A. Kuchera. Mgr.	Sompled by	Hixon Personn	el	
roject	CBU #5	Location NW_N	W Sec. 6. T25N	. R12W	
ource of Materia	ofLower Gallup Produced	i Water			
Lab No	24509 Water Analysis	for Petroleum E	ngineering		
	TEST	r RESULTS			
•		ALYSIS FOR PETRO	LEUM .		
nstituent		Constituents	-		
tal Solids I sistivity enductivity	2263 ppm 7.25 2.94 ohms/meter @70°F 3,400 micromhos/cm @ 70°F	Cations Sodium Calcium Magnesium Iron Barium	Meg/L 29.3 2.3 0.5 neg.	ppm 674 45 6 3	
mments		Anions			
sentially thi lfate solution	s is a 0.2% sodium on.	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

Certified by:



INJECTION WELL

DATA SHEET

III. WELL DATA

PART A

- Carson Unit Well No. 21-19 660' FNL, 1980' FWL Section 19, T 25N, R 11W
- 2. Surface Casing

Hole Size: 12-1/4"
Casing: 8-5/8", 24#
Setting Depth: 203'

Production Casing

Hole Size: 7-7/8"
Casing: 4-1/2"
Setting Depth: 5012'

PBD: 5022'

3. Tubing: 2-3/8" Setting Depth: 4803'

4. Packer: Baker Model "AD-1" Packer Set at 4665'

PART B

- Injection Formation: Bisti Lower Gallup Field or Pool Name: Bisti Lower Gallup
- 2. Perforated Injection Intervals: 4866'-4892', 4900'-4908', 4939'-4944', 4951'-4962', 4969'-4978'
- 3. Well was drilled as a producing well.
- 4. None
- 5. Next Higher Oil and Gas Zone: Pictured Cliffs at 1238'
 Next Lower Oil and Gas Zone: Dakota at Unknown Depth

Hixon Development Company

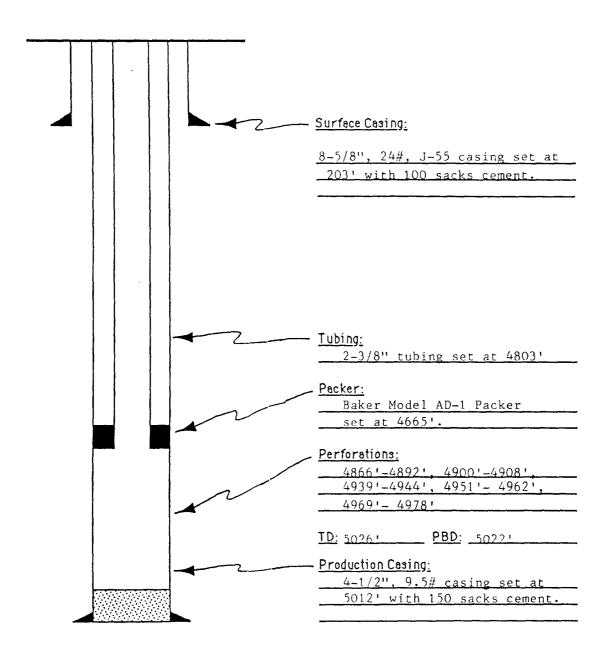
Injection Well Schematic

Well Name: Carson Unit Well No. 21-19

Legal Location: 660' FNL, 1980' FWL

Section 19, T 25N, R 11W

San Juan County, New Mexico



Hixon Development Company, P.J. 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 1200 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 87504 within 15 days.

Carson Unit Well #21-19, NE/4 NW/4, Sec. 19, T25N, R11W

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 #23-18

Legal Description: 1980' FSL, 1888' FWL

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

Well Type: Water Injection Well

(awaiting approval)

Spud Date: 02/16/58

Surface Casing Hole Size: 12-1/4"
Surface Casing Size: 8-5/8"
Surface Casing Depth: 102'

Cementing Record: / 100 sx.

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

Cementing Record: 150 sx.

Perforations: 4875'-4891'

4901'-4913' 4944'-4951' 4965'-4970' 4974'-4984'

Plug-Back Depth: 5006'

Total Depth: 5010'

Well Name:	Carson Unit #24-18
Legal Description:	660' FSL, 1930' FWL Sec. 18, T25N-R11W San Juan County, N.M.
Well Type:	Water Injection Well (awaiting approval)
Spud Date:	04/28/59
Surface Casing Hole Size: Surface Casing Size: Surface Casing Depth:	12-1/4" 8-5/8" 106'
Cementing Record:	100 sx.
Production Casing Hole Size: Production Casing Size: Production Casing Depth: Cementing Record:	7-7/8" 4-1/2" 5007' 150 sx.
Perforations:	4861'-4889' 4894'-4902' 4934'-4941' 4946'-4960' 4963'-4976'
Plug-Back Depth:	5007'
Total Depth:	5010'

Carson Unit #34-18 Well Name:

660' FSL, 1980' FEL Sec. 18, T25N-R11W Legal Description:

San Juan County, N.M.

Oil Well Well Type:

08/17/57 Spud Date:

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

100 sx. Cementing Record:

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

150 sx. Cementing Record:

4869'-4886' Perforations: 4900'-4908'

4952'-4958' 4971'-4978'

4995 Plug-Back Depth:

5014' Total Depth:

WEL_DATA SHEET

Well Name:

Carson Unit #11-19

10 sk. surface marker -2

Legal Description:

660' FNL, 662.8' FWL

Sec. 19, T25N-R11W

San Juan County, N.M.

25 sk. plug at baseof surface casing

(172'-86')

Well Type:

P&A

35 sk. plug at 375'

50 sk. plug at csg. stub

(375'-253')

(1225'-1051')

Shot off 4-1/2"

casing at 1225'

7-7/8" hole -

Spud Date:

06/09/59

Surface Casing Hole Size:

12-1/4"

Surface Casing Size: Surface Casing Depth: 8-5/8"

103'

Cementing Record:

100 sx.

Production Casing Hole Size:

7-7/8"

Production Casing Size:

4-1/2"

Production Casing Depth:

5016'

Cementing Record:

150 sx.

Perforations:

4854'-4880'

4889'-4896'

4927'-4932'

4940'-4952'

4959'-4970'

Plug-Back Depth:

5016'

25 sk. plug over

and above perfs

(5016'-4693')

Total Depth:

5020'

Well Name:

Carson Unit #12-19

Legal Description:

1977' FNL, 660' FWL Sec. 19, T25N-R11W San Juan County, N.M.

Well Type:

Oil Well

Spud Date:

08/25/57

Surface Casing Hole Size:

12-1/4"

Surface Casing Size:

8-5/8**"** 173'

Surface Casing Depth:

Cementing Record:

100 sx.

Production Casing Hole Size:

7-7/8"

Production Casing Size:

4-1/2"

Production Casing Depth:

5022'

Cementing Record:

150 sx.

Perforations:

4866'-4881'

4897'-4903'

4932'-4939'

4947'-4959'

4965'-4974'

Plug-Back Depth:

4980'

Total Depth:

5030'

Legal Description: 1980' FNL, 1980' FWL Sec. 19, T25N-R11W San Juan County, N.M. 25 sk. plug at base of surface casing (170'-84')	Well Name:	Carson Unit #22-19	10 sk. surface marker
Spud Date: 03/11/60 Surface Casing Hole Size: 12-1/4" (694'-520') Surface Casing Depth: 108' Shot off 4-1/2" casing at 694' Cementing Record: 100 sx. Production Casing Hole Size: 7-7/8" Set retainer at 1145' and pumped 125 sx. thru retainer. Cementing Record: 150 sx. Perford csg. at 1325'. Set retainer at 1300' and pumped 125 sx. thru retainer. Perforations: 4868'-4888' 4995' 4968'-4980' January 1976 1218'-1224' 1234'-1244' Plug-Back Depth: 5027' Set cmt. retainer at 14782' and pumped 100 sx. cmt. thru	Legal Description:	Sec. 19, T25N-R11W	of surface casing
Surface Casing Hole Size: 12-1/4" (c94'-520') Surface Casing Bopth: 108' Shot off 4-1/2" casing at 694' Cementing Record: 100 sx. Production Casing Hole Size: 7-7/8" Set retainer at 1145' and pumped 75 sx. thru retainer. Cementing Record: 150 sx. Perforations: 4868'-4888' thru retainer. 4898'-4905' 4934'-4942' 4952'-4962' 4968'-4980' January 1976 1218'-1224' 1234'-1244' Plug-Back Depth: 5027' at 4782' and pumped 100 sx. cmt. thru Surface Casing Hole Size: 12-1/4" (c94'-520') Shot off 4-1/2" casing at 694' Perf.'d csg. at 1195'. Set retainer at 1145' and pumped 75 sx. thru retainer. Set cmt. retainer. Set cmt. retainer Set cmt. retainer Set cmt. retainer Set cmt. retainer at 4782' and pumped 100 sx. cmt. thru	Well Type:	P & A	· -
Surface Casing Hole Size: 12-1/4" (£94'-520') Surface Casing Size: 8-5/8" Surface Casing Depth: 108' Shot off 4-1/2" casing at 694' Cementing Record: 100 sx. Production Casing Hole Size: 7-7/8" Set retainer at 1145' and pumped 75 sx. thru retainer. Cementing Record: 150 sx. Perf.'d csg. at 1195'. Set retainer at 1145' and pumped 75 sx. thru retainer. Cementing Record: 150 sx. Perf.'d csg. at 1325'. Set retainer at 1300' and pumped 125 sx. thru retainer. Perforations: 4868'-4888' 4898'-4905' 4934'-4942' 4952'-4962' 4968'-4980' January 1976 1218'-1224' 1234'-1244' Plug-Back Depth: 5027' at 4782' and pumped 100 sx. cmt. thru	Spud Date:	03/11/60	
Cementing Record:	Surface Casing Size:	8-5/8"	(694'-520')
Production Casing Hole Size: 7-7/8"	Cementing Record:	100 sx.	casing at 694'
Production Casing Hole Size: 7-7/8" Set retainer at 1145' Production Casing Size: 4-1/2" and pumped 75 sx. Production Casing Depth: 5027' thru retainer. Cementing Record: 150 sx. Perf.'d csg. at 1325'. Set retainer at 1300' and pumped 125 sx. thru retainer. Perforations: 4868'-4888' thru retainer. 4898'-4905' 4934'-4942' 4952'-4962' 4968'-4980' January 1976 1218'-1224' 1234'-1244' Plug-Back Depth: 5027' Set cmt. retainer at 4782' and pumped 100 sx. cmt. thru	·		
Production Casing Hole Size: 7-7/8" Set retainer at 1145' and pumped 75 sx. thru retainer. Cementing Record: 150 sx. Perf.'d csg. at 1325'. Set retainer at 1300' and pumped 125 sx. thru retainer. Perforations: 4868'-4888' thru retainer. 4898'-4905' 4934'-4942' 4952'-4962' 4968'-4980' January 1976 1218'-1224' 1234'-1244' Plug-Back Depth: 5027' Set cmt. retainer at 4782' and pumped 100 sx. cmt. thru			Drilled out cmt. to 1300'.
Set retainer at 1300' and pumped 125 sx. thru retainer. 4868'-4888' thru retainer. 4898'-4905' 4934'-4942' 4952'-4962' 4968'-4980' January 1976 1218'-1224' 1234'-1244' Plug-Back Depth: 5027' Set cmt. retainer at 4782' and pumped 100 sx. cmt. thru	Production Casing Size:	4-1/2"	Set retainer at 1145' and pumped 75 sx.
Perforations: 4868'-4888' 4898'-4905' 4934'-4942' 4952'-4962' 4968'-4980' January 1976 1218'-1224' 1234'-1244' Set cmt. retainer Plug-Back Depth: 5027' at 4782' and pumped 100 sx. cmt. thru	Cementing Record:	150 sx.	Set retainer at 1300'
1218'-1224' 1234'-1244' Plug-Back Depth: 5027' Set cmt. retainer at 4782' and pumped 100 sx. cmt. thru	Perforations:	4898'-4905' 4934'-4942' 4952'-4962'	
Plug-Back Depth: 5027' at 4782' and pumped 100 sx. cmt. thru		1218'-1224'	
/	Plug-Back Depth:	5027'	at 4782' and pumped
	Total Depth:	5030'	/ / / / /

Well Name: Carson Unit #23-19

Legal Description: 1980' FSL, 1980' FWL

Sec. 19, T25N-R11W San Juan County, N.M.

Well Type: Oil Well

Spud Date: 12/12/58

Surface Casing Hole Size: 12-1/4"
Surface Casing Size: 8-5/8"
Surface Casing Depth: 101'

Cementing Record: 100 sx.

Production Casing Hole Size: 7-7/8"
Production Casing Size: 4-1/2"
Production Casing Depth: 4974'

Cementing Record: 150 sx.

Perforations: 4842'-4863'

4908'-4920' 4926'-4940' 4944'-4955'

Plug-Back Depth: 4974'

Total Depth: 4975'

Well Name:	Carson Unit #31-19	10 sk. surface marker
Legal Description:	660' FNL, 1973.5' FEL Sec. 19, T25N-R11W San Juan County, N.M.	25 sk. plug at base of surface casing (130'-46')
Well Type:	P & A	35 sk. plug at 420' (420'-298')
Spud Date:	12/08/59	
Surface Casing Hole Size: Surface Casing Size:	12-1/4" 8-5/8"	50 sk. plug at csg. stub (1386'-1212')
Surface Casing Depth:	105'	Shot off 4-1/2" casing at 1386'
Cementing Record:	100 sx.	
Production Casing Hole Size: Production Casing Size: Production Casing Depth:	7-7/8" 4-1/2" 5029'	
Cementing Record:	150 sx.	7-7/8" hole
Perforations:	4867'-4895' 4900'-4910' 4922'-4926' 4940'-4944' 4952'-4958' 4964'-4970' 4976'-4982'	
Plug-Back Depth:	5029'	30 sk. plug above perforations
Total Depth:	5030'	(4919'-4531')

Well Name: Carson Unit #32-19 Legal Description:

1980' FNL, 1980' FEL

Sec. 19, T25N-R11W

San Juan County, N.M.

Well Type:

P&A

Spud Date:

03/03/58

Surface Casing Hole Size: Surface Casing Size:

12-1/4" 8-5/8"

Surface Casing Depth:

108'

Cementing Record:

100 sx.

Production Casing Hole Size: Production Casing Size: Production Casing Depth:

7-7/8* 4-1/2" 5015'

Cementing Record:

150 sx.

Perforations:

4873'-4900' 4908'-4918' 4947'-4954' 4961'-4976' 4981'-4991'

Plug-Back Depth:

5015'

Total Depth:

5015'

30 sk. plug at 410'

10 sk. surface marker

(20 sx. thru perfs) (410'-306'

in annulus)

Shot holes in 4-1/2" casing at 410'

50 sk. plug at 1395' (20 sx. thru perfs)

(1395'-1291' in annulus)

Shot holes in 4-1/2"

casing at 1395'

7-7/8" hole -

25 sk. plug across

and above perfs

(5015'-4692')

Well Name:

Carson Unit #41-19

Legal Description:

660' FNL, 660' FEL Sec. 19, T25N-R11W San Juan County, N.M.

Well Type:

Oil Well

Spud Date:

02/24/58

Surface Casing Hole Size: Surface Casing Size: Surface Casing Depth: 12-1/4" 8-5/8" 107'

Cementing Record:

100 sx.

Production Casing Hole Size: Production Casing Size: Production Casing Depth:

7-7/8" 4-1/2" 4986'

Cementing Record:

150 sx.

Perforations:

4865'-4880' 4885'-4892' 4900'-4910' 4941'-4946' 4951'-4968' 4972'-4982'

Plug-Back Depth:

4985'

Total Depth:

4990'

2:
е

Carson Unit #41-24

10 sk. surface marker

Legal Description:

660' FNL, 660' FEL Sec. 24, T25N-R12W

San Juan County, N.M.

50 sk. plug at perfs (380'-122')

P & A

Perf'd 5-1/2" casing at 380'

Well Type:

Spud Date:

07/19/56

Surface Casing Hole Size:

11"

Surface Casing Size:

8-5/8"

Surface Casing Depth:

228'

Cementing Record:

100 sx.

Production Casing Hole Size:

7-7/8"

Production Casing Size: Production Casing Depth: 5-1/2"

5967'

Cementing Record:

300 sx.

Perforations:

5585'-5587'

(Dakota)

4875'-4895'

(Gallup)

3860'-3900'

(Mancos)

Pluq-Back Depth:

Total Depth:

5924 5983'

50 sk. plug at perfs (1247'-989')

Perf'd 5-1/2"

casing at 1247'

35 sk. plug at 3918' /

(3918' - 3479')

90 sk. plug at 4738' (4738'-3963')

Set CICR @ 4758' .-Sqz'd Gallup perfs-

through CICR

with 150 sx. cmt.

Set CIBP @ 5100'.

Capped with 1

sack cement.

AFFIDAVIT OF PUBLICATION

Vo. <u>24496</u>

STATE	OF	NE	EW	MEXICO
County	of S	an	Jua	n:

Botty Shinn
Betty Shipp being duly
sworn, says: That he is the <u>National Ad Manager</u> of
THE FARMINGTON DAILY TIMES, a daily newspaper of general circulation
published in English at Farmington, said county and state, and that the
hereto attached Legal 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
Times, a daily newspaper duty quartied for the purpose within the
meaning of Chapter 167 of the 1937 Session Laws of the State of New
Mexico for One consecutive (days) (weeks) on the same day as
follows:
First Publication Wednesday, December 6, 1989
Second Publication
Third Publication
Fourth Publication
and that payment therefor in the amount of \$6.27
has been made.
Subscribed and sworn to before me this day
of December 1989.
NOTARY PUBLIC, SAN JUAN COUNTY, NEW MEXICO
My Commission expires: June 23 (1990)

Copy of Publication

NOTICE

Hixon Development Company,
P.O. Box 2810, Farmington, New
Mexico 87499, (505) 326-3325
whose agent is Aldrich L. Kuehera
hereby notifies interested parties
that the following well is to beconverted to a water injection well.

Maximum rate will be 1206 BWPD
at less than 973.psi, Any request
for fatormation, or objections
should be life with the oil Conservation Division State Land Office Building, Politox 2088; Santa
Fe. New Mexico 9504 within 15
days.

Carson Unit Well 121.19 NE4

NW4: Sec. 19, 725N, R11W
Legal No. 24496 jublished in
the Farmington Daily Times, Farmington. New Mexico on Wednesday, December 6, 1989.



STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICTOR AM 8 59

GARREY CARRUTHERS
GOVERNOR

10X0 NIO NDAZOS NOAD AZTEC, NEW MEXICO 87410 (5051334-6178

Date: 12-6-89	D. Citarach
Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87504-2088	
Re: Proposed MCProposed DHCProposed HSLProposed SWDProposed WFXProposed PMXProposed PMX	
Gentlemen:	
	cation dated 12-4-8-5 Lease & Well No.
Whit, S-T-R	my recommendations are as follows:
Appor	
V	
Yours truly,	
0-18.1	