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December 15, 1989

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

Subject: South Bisti Well No. 1

660' FSL, 660' FEL Sec. 3, T25N, R13W

San Juan County, New Mexico

Dear Sir:

Enclosed for your approval is our Application for Authorization for Disposal 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 E. Olivental

BED/das

Enclosures

APPLICATION FOR AUTHORIZATION 1	U	INJECT
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DISTRIBUTE.

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II.		Hixon Develo			07100			
	Address:		0, Farmington,	New Mexico	87499			
	Contact pa	rty: Bruce E.	Delventhal		Phone:	(505)	326-1	3325
III.	Well data:		data required o injection. Add					
IV.			n existing proj order number a			no ·		
٧.	injection	well with a one	ies all wells a -half mile radi fies the well's	us circle draw	n around			
VI.	penetrate well's typ	the proposed in e, construction	ta on all wells jection zone. , date drilled, d well illustra	Such data shal location, dep	l includ	de a desc ord of co	riptio	on of each
VII.	Attach dat	a on the propos	ed operation, i	ncluding:				
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IX.	Describe th	ne proposed stim	mulation program	n, if any.				•
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CIII.	Applicants	must complete !	the "Proof of No	otice" section	on the	reverse :	side o	f this form.
XIV.	Certificati	ion						
		ertify that the t of my knowledg	•		, .			
		ice E. Delventh	hal	Tit	le <u>Vice</u>	Preside	nt -	Operations
	Signature:	Bruce 8	Delventhal	D	ate: _D	ecember	15. 1	989

of and one copy to Santa to with one copy to the copy.

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, hale 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. 5
 - (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.

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

South Bisti Well No. 1 SE/4, SE/4, Section 3, T25N, R13W San Juan County, New Mexico

- I. Shown on Application.
- II. Shown on Application.
- III. Well data attached.
- IV. Shown on Application.
- V. Area of review is shown on attached map.
- VI. Information for wells located in area of review are attached as follows:

Salge Well No. 4-A Bisti St. Com. Well No. 1 Champlin Fed. Well No. 1 Champlin Fed. Well No. 3

- 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 814-989 psi range. Maximum injection pressure will be 989 psi.
 - 4. Water injected is previously produced water from the Gallup Formation.
 - 5. This well will be used for salt water disposal.
- VIII. The injection zone is the Lower Gallup sandstone. This zone is to be 120' in thickness with a top of 4830' as shown on the SP log previously submitted. No known sources of drinking water exist in this area. Water well drilling in this area has shown the Ojo Alamo to be dry.

Application for Authorization for Disposal Page 2

- 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 will be used for salt water disposal.
- XIII. A copy of this application has been sent by certified mail to the following leasehold operators:

Dugan Production Corp. P.O. Box 420 Farmington, N.M. 87499

Hicks Oil & Gas, Inc. P.O. Drawer 3307 Farmington, N.M. 87499

Southern Union Exploration 324 Highway US 64, NBU 3001 Farmington, N.M. 87401

XIV. Certification shown on Application.

Well Name: South Bisti Well #1

Legal Description: 660' FSL, 660' FEL

Sec. 3, T25N, R13W San Juan County, NM

Well Type: Oil Well

Spud Date: 05-17-83

Surface Casing Hole Size: 12-1/4"
Surface Casing Size: 8-5/8"
Surface Casing Depth: 337'

Cementing Record: 277 cu. ft.

Production Casing Hole Size: 7-7/8"
Production Casing Size: 5-1/2"
Production Casing Depth: 5044'

Cementing Record: 1154 cu. ft.

Perforations: 4937' - 4947'

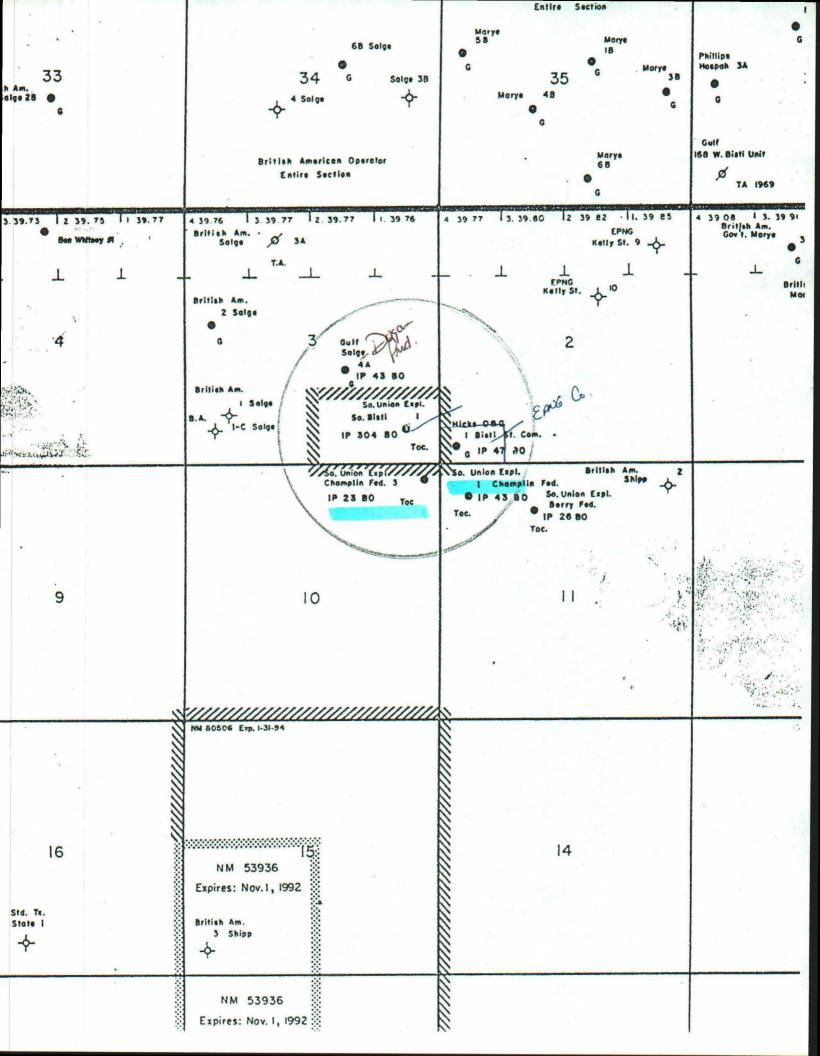
Plug Back Depth: 5004'

Total Depth: 5050'

Hixon Development Company

Water Injection Schematic

South Bisti Well #1 Well Name: 660' FSL, 660' FEL Legal Location: 1314 Just 1225 1 271 2 200 die. Sec. 3, T25N, R13W San Juan County, N.M. Surface Casing: 8-5/8" casing set at 337' with 277 cu. ft. of cement This s. Tis it labor or at one Tubing: 2-7/8" tubing set at 4730' Packer: Baker Model "AD-1" Packer set at 4730' Perforations: 4937' - 4947' TD: 5050' 50041 PBD: Production Casing: 5-1/2" casing set at 5044' with 1154 cu. ft. of cement



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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 disposal well. Maximum rate will be 1200 BWPD at less than 989 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.

South Bisti Well No. 1 SE/4, SE/4, Section 3, T25N, R13W San Juan County, New Mexico

Well Name: Salge Fed. A Well #4

Legal Description: 1980' FEL, 1980' FSL

Sec. 3, T25N, R13W San Juan County, NM

Well Type: Oil Well

Spud Date: 12-27-83

Surface Casing Hole Size: 12-1/4"
Surface Casing Size: 8-5/8"
Surface Casing Depth: 320'

Cementing Record: 265 cu. ft.

Production Casing Hole Size: 7-7/8"
Production Casing Size: 5-1/2"
Production Casing Depth: 5199'

Cementing Record: 2164 cu. ft.

Perforations: 4982' - 4988'

5001' - 5007' 5020' - 5026'

Plug Back Depth: 5154'

Total Depth: 5200'

Well Name: Bisti State Com. #1

330' FSL, 330' FWL Legal Description:

> Sec. 2, T25N, R13W San Juan County, NM

Well Type: Oil Well

Spud Date: 01-30-84

Surface Casing Hole Size: 12-1/4" 8-5/8" Surface Casing Size: Surface Casing Depth: 225**'**

Cementing Record: 160 sks.

Production Casing Hole Size: 7-7/8" Production Casing Size: 4-1/2" 50391

Production Casing Depth:

Cementing Record: 650 sks.

Perforations: 4911' - 4917'

4932' - 4940'

Plug Back Depth: 50061

Total Depth: 50501

Well Name:

Champlin Federal Well #1

Legal Description:

660' FNL, 660' FWL Sec. 11, T25N, R13W San Juan County, NM

Well Type:

Oil Well

Spud Date:

08-26-83

Surface Casing Hole Size: Surface Casing Size:

12-1/4" 8-5/8" 2961

Surface Casing Depth:

Cementing Record:

265 cu. ft.

Production Casing Hole Size: Production Casing Size:

7-7/8" 5-1/2"

Production Casing Depth:

50251

Cementing Record:

1233 cu. ft.

Perforations:

4906' - 4916' 4908' - 4914'

Plug Back Depth:

5004'

Total Depth:

50251

Champlin Federal Well #3 Well Name:

330' FNL, 330' FEL Legal Description:

> Sec. 10, T25N, R13W San Juan County, NM

Well Type: Oil Well

01-09-84 Spud Date:

Surface Casing Hole Size: 14-3/4" Surface Casing Size: 10-3/4" 266'

Surface Casing Depth:

Cementing Record: 325 cu. ft.

Intermediate Casing Hole Size: 9-7/8" 7-5/8" Intermediate Casing Size: Intermediate Casing Depth: 15641

Cementing Record: 295 cu. ft.

6-3/4" Production Casing Hole Size: Production Casing Size: 4-1/2" Production Casing Depth: 5050**'**

Cementing Record: 230 cu. ft.

Perforations: 4912' - 4921' 4938' - 4947'

4954' - 4961'

Plug Back Depth: 5013'

Total Depth: 50501



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENTON

OIL CONSERVATION DIVISION

AZTEC DISTRICT OF BIG TO 21 AM 10 19

ARREY CARRUTHERS
GOVERNOR

10X10 PIO BRAZOS POAD AZTEC, NEW MEXICO 87410 (505) 334-6178

Date: _/
Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87504-2088
Re: Proposed MC Proposed DHC Proposed NSL Proposed SWD_X Proposed WFX Proposed PMX
Gentlemen:
I have examined the application dated 12-19-89
for the HINON DEVELOPMENT CO. South Bist, 8 / Departor Lease & Well No.
$\frac{P-3-25N-130}{\text{Unit, S-T-R}}$ and my recommendations are as follows:
Approve MIT MUST BE WITNESSED
Yours truly,
$\Rightarrow \in \mathcal{L}$

'90 JAN 25 AM 9 03

February 23, 1990

David Catanach N.M. Oil Conservation Division State Land Office Building P.O. Box 2088 Santa Fe. New Mexico 87504

Subject: Application for Authorization for Disposal

South Bisti Well No. 1 660' FSL, 660' FEL Sec. 3, T25N, R13W

San Juan County, New Mexico

Dear Mr. Catanach:

Pursuant to our recent telephone conversation regarding the above referenced application for a water disposal well, please accept this letter as notice that a copy of said application has been mailed to El Paso Natural Gas Company at P.O. Box 1492, El Paso, Texas 79978, as we have found them to be an additional offset leaseholder.

Upon receipt, the Affidavit of Publication for the revised legal notice will be forwarded to your office.

Please do not hesitate to contact me if you have any additional questions regarding this matter.

Very truly yours,

Earlene J. Bickford
Administrative Manager

EJB/das

CIE - COLOR DIVISION

'90 JAN 5 AM 9 08

January 3, 1990

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

Subject: Affidavits of Publication

South Bisti Well No. 1 660' FSL, 660' FEL Sec. 3, T25N, R13W

San Juan County, New Mexico

Dear Sir:

Enclosed herewith please find the original Affidavit of Publication on the above-referenced well. We forwarded the Application for Authorization for Disposal to your office on December 15, 1989.

Thank you.

Very truly yours,

Earlene J. Bickford Administrative Manager

EJB/das

Enclosures

AFFIDAVIT OF PUBLICATION

No. 24562

STATE	OF	NEW	MEXICO,
County	of S	an Jua	n:

	Betty	Shipp	being duly
sworn, says: That he	is the <u>Nation</u>	nal Ad Mar	nger of
THE FARMINGTON DA	•		í
hereto attached	Legal Noti	.ce	
was published in a re	.		
meaning of Chapter Mexico for One			ł
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First Publication	Wednesday	, Decembe	er 20 , 198
Second Publication		-	
Third Publication		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Fourth Publication .	· · · · · · · · · · · · · · · · · · ·		
and that payment th	erefor in the amoun	it of \$6.55	
has been made.	Belly	^	
Subscribed and	sworn to before m	e this2(Othday
of Dec	ember	19. 19. 89.	<i>/</i>
	NOTARY PUBLIC, S	AN JUAN COUNTY,	NEW MEXICO
My Commission expir	res: Jung	23,[1	<i>Y</i>
-		¢.	

Copy of Publication

NOTICE

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

Maximum rate will be 1200 BWPD
at less than 989 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 South Bisti-Meli Mau 1, SE/4 SE/4, Section 3, T25N, R13W, San Juan De D'County, New Medico Degal No: 24562 públished in the Farmington Daily Thres, Farmington, New Mexico on Wednesday December 20, 1989

day, December 20, 1989.

190 FER 9 AM 8 47

February 8, 1990

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

Subject: Affidavits of Publication South Bisti Well No. 1 660' FSL, 660' FEL

Sec. 3, T25N, R13W San Juan County, New Mexico

Dear Sir:

Enclosed herewith please find the original Affidavit of Publication on the above-referenced well. We forwarded the Application for Authorization for Disposal to your office on December 15, 1989.

Thank you.

Very truly yours,

Carlene J. Bickford Administrative Manager

EJB/das

Enclosures

AFFIDAVIT OF PUBLICATION

No. 24703

STATE	OF	NEW	MEXICO,
County	of S	an Jua	n:

]	Betty_S]	hipp	being duly
sworn, says: That he is the	tional	Ad	Manager of
THE FARMINGTON DAILY TIMES, a published in English at Farming		-	-
hereto attached Lego:	L Notice	e	
was published in a regular and en	ntire issue of	the said	d Farmington Daily
Times, a daily newspaper duly	qualified for	r the	purpose within the
meaning of Chapter 167 of the	1937 Session	Laws o	of the State of New
Mexico for One Consecut	/ ve (days) (w	eeks)	on the same day as
follows:			
First Publication Thursday	⁄, Jonu	<u>ory</u>	25 , 1990
Second Publication	· · · · · · · · · · · · · · · · · · ·		
Third Publication			
Fourth Publication			
and that payment therefor in th	e amount of	<u>\$7.1</u>	2
has been made.	y Wi	ijo	fs ——
Subscribed and sworn to b	efore me this	s	25th day
of January	In The	19 <u>9</u> 0	(an)
NOTARY My Commission expires:	PUBLIC, SAN JU	AN COL	UNTY, NEW MEXICO

Copy of Publication

NOTICE
Hixon Development Company,
P.O. Box 2810. Farmington, New
Mexice 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 disposal well.
Injection will be into the Lower
Gallup perforated interval from
4937: 4947. Maximum rate will
be 1200 BWPD at less than 989
psi: Any request for information or
objections should be filed with the 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.

South Bisti Well-No. 1, SE/4 SE/4, Section 3, T25N, RB2W, Sard Juan County, New Mexico Legal No. 24703 published in the Farmington Daily Times, Farmington, New Mexico on Thursday, January 25, 1990.