

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: Siete Oil and Gas Corporation
Address: P.O. Box 2523 Roswell, NM 88202-2523
Contact party: Robert Lee Phone: 505-622-2202
- 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? ☒ yes ☐ no
If yes, give the Division order number authorizing the project R-8657.
- V. 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:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. 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.
- * X. 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) within 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 data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. 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: Robert Lee Title Senior Reservoir Engineer
Signature: Robert Lee Date: October 6, 1989
- * 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. This data was previously submitted for the Blackhawk waterflood project, order # R-8657, which was approved May 19, 1988.

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.



SIETE OIL & GAS CORPORATION

OIL CONSERVATION DIVISION

Petroleum Building Suite 200
P.O. Box 2523 Roswell, New Mexico 88202
Telephone (505) 622-2202

05 OCT 30 AM 11 13

October 27, 1989

Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Dave Catanach

Re: Request for Administrative Approval
for Expansion of Waterflood Project
#R-8657

Dear Mr. Catanach:

Please find attached Form C-108 requesting approval to expand the Blackhawk Waterflood, which was granted under Order #R-8657. If all attachments are satisfactory and no offset Working Interest Owners object, Siete respectfully requests approval be granted administratively.

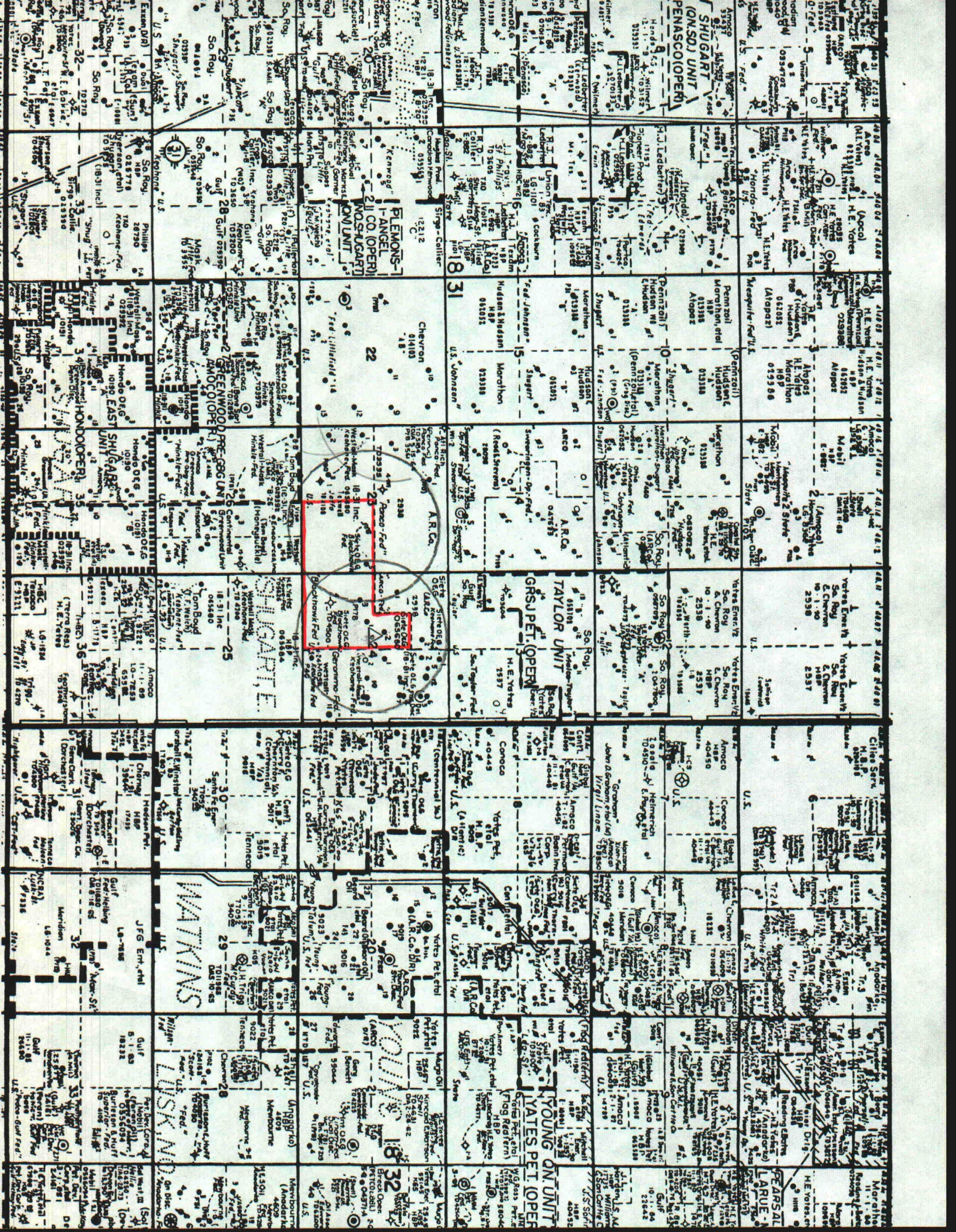
Siete plans to drill the Blackhawk #7 as an injection well to support the Blackhawk #1. The #1 is currently experiencing severe production decline and water breakthrough. This is because it is being supported by one injection well, the Blackhawk #3. By drilling the #7 we will support the #1 from the other direction and recover reserves that would otherwise be unrecoverable. The Blackhawk #6 conversion is not planned for the immediate future. We would like to have approval so we can perform this work at our convenience. The #6 will provide support for the Blackhawk #5. We will do this work when the #5 begins to see a significant water cut.

If you have any questions, or if I can be of any assistance, please do not hesitate to call me at (505) 622-2202.

Sincerely,

SIETE OIL AND GAS CORPORATION

Robert S. Lee
Senior Reservoir Engineer



SIETE OIL & GAS CORPORATION

Blackhawk Federal No. 6 - Conversion to Injection

NMOCD Form C-108 Section III

III. Data on injection well (s)

A. Injection well information (see attached schematic)

Tabular Data

1. Lease: Blackhawk Federal
Well No.: 6
Location: 2310' FSL & 1650' FEL
Section 23: T-18-S, R-31-E
Eddy County, New Mexico
2. Proposed Casing: 8 5/8" surface @ 350' w/225 sks.,
circ. to surface
5 1/2" production @ 4499' w/800
sks. circ. to surface.
3. Injection tubing: + or - 118 jts. 2 3/8", 4.7
lb/ft., J-55 internally plastic
coated tubing.
4. Packer: Baker Model AD-1 injection packer set @
3670 feet.

B. Other well information

1. Injection formation: Yates-7 Rivers-Queen-Penrose-
Grayburg-San Andres

Field: Shugart Yates 7-Rvrs Queen Grayburg San Andres

2. Cased hole perforated interval is estimated to be
from 3700' - 3720' (Penrose), 4214' - 4229'
(Grayburg).
3. The Blackhawk Federal No. 6 well was originally
drilled as an oil well.
4. Within the area of the Blackhawk Federal No. 6, there
are no other higher productive formations. The
Delaware is productive at a depth of 5300'. But this
well did not penetrate the Delaware.

SIETE OIL & GAS CORPORATION
CURRENT WELLBORE SCHEMATIC

WELL: Blackhawk Federal No. 6 LOCATION:
FIELD: Shugart 2310' FSL & 1650' FEL
INTERVAL: Grayburg Section 23, T-18S, R-31E
Comp: Well tested non-commercial Eddy County, N.M.
IP: 1 BOPD, 60 BWPD, TSTM-MCFGPD (GOR N/A) Spudded 12 1/4" hole on 3/15/87

WELL PLUGGED AND ABANDONED ON 11/24/87

ELEVATION: 3713' KB
ZERO: 8' AGL

	xxx	== Plug # 2 (surface)
	xxx	50' to surface
Plug # 1		
100 foot cmt. plug ==>	xxx	
300' to 400'	< xxx >	SURFACE CASING - ran 8 jts. 8 5/8" 23# J-55
	xxx	@ 350' KB, cem w/225 sks. HEII,
TOPS		2% CaCl2 & 1/4# celloflake-circ.

1. B/ Salt - 2086'		== Casing loaded w/ 10# salt gel mud
2. Yates 2338'		during plugging operations
3. Queen - 3434'		
4. Q - Penrose - 3680'		
5. Grayburg - 3932'		
CIBP set @ 4200'	==> xxx	
w/ 35' cement	xxx	
	==	TESTED INTERVAL
		Grayburg
	* <--	
	*	- Perfs 4214-4229 w/ 11 holes
	* <--	
Seat Nipple @ 4329'	+++	
		Breakdown w/ 1000 gals 15% HCL
		Frac w/ 23,000 gals x-link w/ 57,000 lbs
		sand
	< >	PRODUCTION CASING - ran 113 jts. 5 1/2" 15.5# STC @ 4499' KB
		cem w/575 sks. DLW III, 8# salt, 1/4# D-29
		tail in w/225 sks. HEII standard, 5# salt, circ.

DRAWN BY: ARDEEN TD: 4500'
DATE: JULY 14, 1988 PBTD: 4330'

SIETE OIL & GAS CORPORATION
PROPOSED

WELL: Blackhawk Federal No. 6 LOCATION:
FIELD: Shugart 2310' FSL & 1650' FEL
INTERVAL: Grayburg Section 23, T-18S, R-31E
Comp: Well tested non-commercial Eddy County, N.M.
IP: 1 BOPD, 60 BWPD, TSTM-MCFGPD (GOR N/A) Spudded 12 1/4" hole on 3/15/87

WELL PLUGGED AND ABANDONED ON 11/24/87

ELEVATION: 3713' KB
ZERO: 8' AGL

	< >	SURFACE CASING - ran 8 jts. 8 5/8" 23# J-55
		@ 350' KB, cem w/225 sks. HEII,
		2% CaCl2 & 1/4# celloflake-circ.
TOPS		

1. B/ Salt - 2086'		
2. Yates 2338'		
3. Queen - 3434'	XXXXX	Baker Model AD-1 Packer @ 3690'
4. Q - Penrose - 3680'		
5. Grayburg - 3932'	*	
	*	← Perf interval 3700' - 3720' (Penrose)
	*	
		TESTED INTERVAL
		=====
		Grayburg
	* <--	
	*	- Perfs 4214-4229 w/ 11 holes
	* <--	
		Breakdown w/ 1000 gals 15% HCL
		Frac w/ 23,000 gals x-link w/ 57,000 lbs
		sand
	< >	PRODUCTION CASING - ran 113 jts. 5 1/2" 15.5# STC @ 4499' KB
		cem w/575 sks. DLW III, 8# salt, 1/4# D-29
		tail in w/225 sks. HEII standard, 5# salt, circ.

DRAWN BY: ARDEEN TD: 4500'
DATE: JULY 14, 1988 P8TD: 4330'

SIETE OIL & GAS CORPORATION

Blackhawk Federal No. 7 - Proposed Injection Well to Be Drilled

NMOCD Form C-108 Section III

III. Data on injection well (s)

A. Injection well information (see attached schematic)

Tabular Data

1. Lease: Blackhawk Federal
Well No.: 7
Location: 2650' FSL & 2310' FWL
Section 24: T-18-S, R-31-E
Eddy County, New Mexico
2. Proposed Casing: 8 5/8" surface @ 358' w/230 sks.,
circ. to surface
5 1/2" production @ 4500' w/1050
sks. circ. to surface.
3. Injection tubing: + or - 118 jts. 2 3/8", 4.7
lb/ft., J-55 internally plastic
coated tubing.
4. Packer: Baker Model AD-1 injection packer set @
3670 feet.

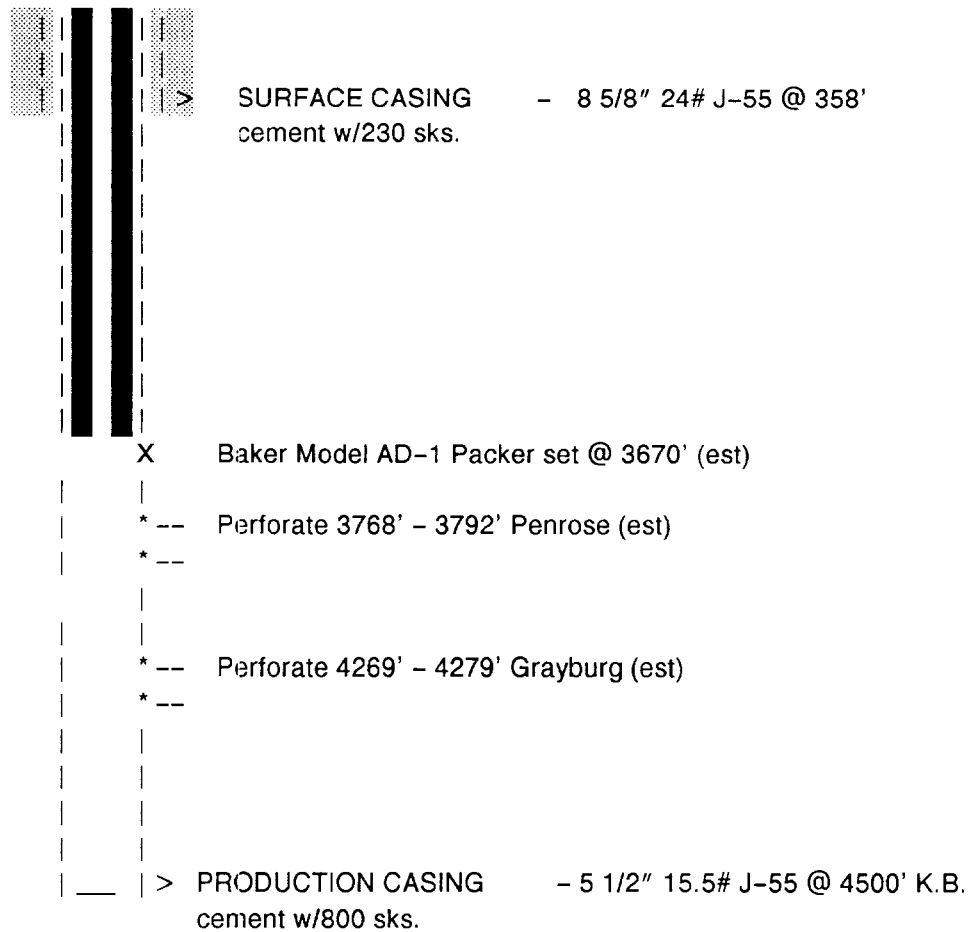
B. Other well information

1. Injection formation: Yates-7 Rivers-Queen-Penrose-
Grayburg-San Andres
Field: Shugart Yates 7-Rvrs Queen Grayburg San Andres
2. Cased hole perforated interval is estimated to be
from 3768' - 3792' (Penrose), 4269' - 4279'
(Grayburg).
3. The Blackhawk Federal No. 7 well will be drilled as
a water injection well.
4. Within the area of the Blackhawk Federal No. 7, there
are no other higher productive formations. The
Delaware is productive at a depth of 5300'. But this
well will not penetrate the Delaware.

SIETE OIL & GAS CORPORATION PROPOSED INJECTION WELL

WELL: Blackhawk Federal No. 7
FIELD: SHUGART-Y-SR-Q-GB-SA
INTERVAL: Penrose-Grayburg

LOCATION:
2650' FSL & 2310' FWL
Section 24, T-18S, R-31E
Eddy County, N.M.



TD: 4500'

DRAWN BY: ARDEEN
DATE: OCTOBER 5, 1989

SIETE OIL GAS CORPORATION

Blackhawk Waterflood Project

NMOCD Form C-108 Section VII

VII. Injection Data

1. Injection Rates

- a. Proposed average daily water injection is 300 BWP/Well.
- b. Maximum rate of daily water injection is 500 BWP/Well.

2. The injection station for the gathering and processing injection water will be a closed system.

3. Injection Pressures

- a. Proposed average daily injection pressure is 600 PSI.
- b. Maximum daily injection pressure is 740 PSI*.
* Note: Maximum injection pressure abides by .2 PSI/Ft maximum injection pressure imposed by the NMOCD. Future necessary increases in surface pressure will be obtained administratively from the NMOCD using field obtained "Step Rate Test" data.

4. Chemical analysis of injection and formation water (see attached Nalco water analysis).

- a. Proposed injection fluid will be produced water from offsetting Siete operated leases which currently produce from both the East Shugart Delaware and Shugart Grayburg formations. These leases are the Geronimo Federal lease (E/2 Sec. 24, T-18S, R31E), Arco Federal Lease (NE/4 NW/4 and SW/4 NW/4 Section 24, T-18S, R-31E), and Blackhawk Federal lease (NE/4 NE/4 Section 23, T-18S, R-31E) in Eddy County, New Mexico, and the Conoco Federal lease (SW/4 SW/4 Section 18, T-18S, R32E), Inca Federal lease (N/2 and SW/4 NW/4 Section 19, T-18S, R32E), Jade Federal lease (SE/4 NW/4 Section 19, T-18S, R32E) and Mohawk Federal lease (NE/4 SW/4 Section 19, T18S, R32E) in Lea County, New Mexico.
- b. A sample of formation water was obtained from a nearby Siete operated Queen-Penrose producing well, the Scottsdale Federal No. 1 in the NW/4 NE/4 Section 27, T18S, R31E in Eddy County, New Mexico. This well is approximately 2 miles west of the proposed unit.

5. Water injection will be into a zone currently productive of oil and gas.

- IX. The Penrose and Grayburg zones will be acidized with 2000 gallons of acid and fraced with 40,000 gallons and 80,000 lbs. 12/20 sand.
- X. Well logs will be submitted once the well has been drilled and logged.
- XI. There are no fresh water sources within one mile of the proposed injection well.
- XII. I, Robert Lee, a Production/Reservoir Engineer for Siete Oil and Gas Corporation and in behalf of, have compiled and examined all available geologic and engineering data and have not found any evidence of hydrologic connections between the proposed Shugart Penrose-Grayburg Waterflood Project injection zone and any sources of underground drinking water.
- XIII. Proof of Notice - requirements
 - 1. See attached mailing list and registered mail certificates.

BLACKHAWK INJECTION PROJECT
Mailing List
October 26, 1989

Ensouce, Inc.
3000 N. Garfield, Suite 265
Midland, TX 79705-6414

Arco
P.O. Box 1610
Midland, TX 79702

Bureau of Land Management
P.O. Box 1778
Carlsbad, NM 88220

Mr. Gerald Westfall
Box 4
Loco Hills, NM 88255

Chevron U.S.A., Inc.
P.O. Box 1150
Midland, TX 79702

Nº 11976

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

E. C. Cantwell, being first duly sworn,
on oath says:

That he is publisher of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

October 16, 19 89
_____, 19 ____
_____, 19 ____
_____, 19 ____

that the cost of publication is \$ 17.11,
and that payment thereof has been made
and will be assessed as court costs.

E C Cantwell

Subscribed and sworn to before me this

17 day of October, 19 89
Donella Payne

My commission expires 6/01/92
Notary Public

October 16, 1989

This is to advise all parties concerned, Siete Oil and Gas Corporation intends to convert the following wells to Salt Water Injection wells:

Geronimo Federal #2
950' FNL & 2310' FEL
Section 24, T-18-S, R-31-E
Eddy County, New Mexico

Geronimo Federal #7
1750' FNL & 990' FEL
Section 24, T-18-S, R-31-E
Eddy County, New Mexico

Inca Federal #4
780' FNL & 420' FWL
Section 19, T-18-S, R-32-E
Lea County, New Mexico

Blackhawk Federal #6
2310' FSL & 1650' FEL
Section 23, T-18-S, R-31-E
Eddy County, New Mexico
and drill and injection well:
Blackhawk Federal #7
2650' FSL & 2310' FWL
Section 24, T-18-S, R-31-E
Eddy County, New Mexico

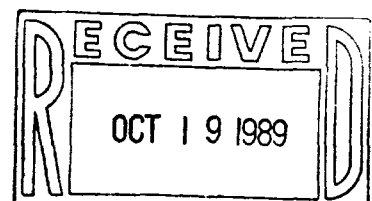
The formations to be injected into are the Penrose at an approximate depth of 3800' and the Grayburg at an approximate depth of 4300'. The maximum expected injection rate is 300 BWPD per well at a maximum injection pressure of 744 psi. Questions can be addressed to:

Siete Oil and Gas Corporation
P.O. Box 2523
Attention: Robert Lee
Roswell, New Mexico
88202

Phone # (505) 622-2202

Interested parties must file objections or requests for hearing within 15 days of this notice to the:

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico
87501

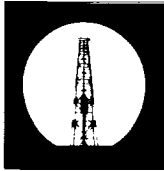


<u>Well Name</u>	<u>Location</u>	<u>Well Type</u>	<u>Spud Date</u>	<u>T D</u>	<u>Compl. Interval</u>	<u>Date Com</u>
Siete Geronimo No. 5	765 FNL 1980 FEL Sec. 24 T18S R31E	Oil	2-16-86	10200' PBD-5250'	5013-5088' Del	3-18-86
Siete Geronimo No. 6	790 FNL 940 FEL Sec. 24 T18S R31E	Oil	4-10-86	4450' PBD-4407'	4301-4306' QPG	4-26-86
Siete Geronimo No. 7	1750 FNL 990 FEL Sec. 24 T18S R31E	Oil	4-21-86	4500' PBD-4489'	4299-4309' QPG	5-06-86
Siete Geronimo No. 8	2310 FSL 990 FEL Sec. 24 T18S R31E	Oil	9-08-86	5500' PBD-5441'	5042-5094' Del	10-02-86
Siete Geronimo No. 9	1730 FNL 1650 FEL Sec. 24 T18S R31E	Oil	12-01-86	5400' PBD-5360'	5022-5273' Del	2-02-87
Siete Geronimo No. 10	2310 FSL 1650 FEL Sec. 24 T18S R31E	Oil	3-02-87	5500' PBD-5471'	5041-5079' Del	3-23-87
Siete Geronimo No. 11	990 FSL 330 FEL Sec. 24 T18S R31E	Oil	9-03-87	5500' PBD-5489'	4636-4651' QPG	9-30-87
Siete Geronimo No. 12	990 FNL 1650 FEL Sec. 24 T18S R31E	Oil	12-21-88	5600' PBD-5400'	5255-5270' 5135-5156' Del	2-03-89
Siete Arco No. 1 ✓	1830 FNL 660 FWL Sec. 24 T18S R31E	Oil	3-12-85	5256' PBD-5235'	3740-4316' QPG	4-01-85
Siete Arco No. 2 ✓	950 FNL 2310 FWL Sec. 24 T18S R31E	Oil	6-02-86	4500' PBD-4487'	4264-4272' QPG	6-21-86
Heyco S. Taylor "13" Fed. 1	330 FSL 990 FEL Sec. 13 T18S R31E	Oil	7-24-86	5410' PBD-5083'	5063-5063' (Jet Perf) Del	9-25-86

<u>Well Name</u>	<u>Location</u>	<u>Well Type</u>	<u>Spud Date</u>	<u>T D</u>	<u>Compl. Interval</u>	<u>Date Com</u>
Siete Blackhawk No. 1	2310 FSL 1650 FWL Sec. 24 T18S R31E	Oil	3-24-85	4527' PBD-4485'	3761-3814' QPG	4-18-85
Siete Blackhawk No. 2	2310 FNL 1980 FWL Sec. 24 T18S R31E	Oil	4-08-85	4500' PBD-4204'	3750-3791' QPG	9-05-85
Siete Blackhawk No. 3	2040 FSL 920 FWL Sec. 24 T18S R31E	Oil	1-12-86	4500' PBD-4463'	3722-3747' QPG	2-05-86
Siete Blackhawk No. 4	990 FSL 990 FWL Sec. 24 T18S R31E	D/A	6-11-86	4500'	P & A	6-20-86
Westall Keohane 24-1	330 FSL 2310 FEL Sec. 24 T18S R31E	Oil	11-30-78	4200'	3785-4135' QPG	12-27-78
Westall Keohane 24-2	2310 FSL 2200 FEL Sec. 24 T18S R31E	Oil	10-18-85	4500' PBD-4496'	4266-4338' QPG	12-11-85
Westall Keohane 24-3	2200 FSL 990 FEL Sec. 24 T18S R31E	Oil	10-09-87	4500'	4252-4292' 4300-4328' QPG	11-25-87
Siete Geronimo No. 1	2310 FNL 2310 FEL Sec. 24 T18S R31E	Oil	11-07-84	6417' PBD-4748'	4268-4284' QPG	2-17-85
Siete Geronimo No. 2	950 FNL 2310 FEL Sec. 24 T18S R31E	Oil	4-03-85	4702' PBD-4691'	4264-4277' QPG	4-26-85
Siete Geronimo No. 3	890 FNL 990 FEL Sec. 24 T18S R31E	Oil	9-01-85	6470' PBD-6459'	5012-5069' Del	10-05-85
Siete Geronimo No. 4	1650 FNL 990 FEL Sec. 24 T18S R31E	Oil	11-30-85	6550' PBD-5321'	5016-5074' Del	12-20-85

<u>Well Name</u>	<u>Location</u>	<u>Well Type</u>	<u>Spud Date</u>	<u>T D</u>	<u>Compl. Interval</u>	<u>Date Com</u>
Heyco S. Taylor "13" Fed. 2	330 FSL	Oil	12-30-87	5448'	5310-5390'	3-09-88
	330 FWL			PBD-5410'	Del	
	Sec. 13 T18S R31E					
Heyco S. Taylor "13" Fed. 3	430 FSL	Oil	7-22-88	5450'	4330-4428' also	8-01-88
	1650 FEL			PBD-4781'	Perfed @ 4848-4870'	
	Sec. 13 T18S R31E				QPG	
Conoco Buffalo No. 1	1650 FSL	Oil	9-09-87	6519'	4795-4820'	11-24-87
	330 FWL			PBD-6469'	QPG	
	Sec. 18 T18S R32E				6279-6329' Del	
Conoco Bufflao No. 2	330 FSL	Oil	10-02-87	6500'	4826-4958'	12-09-87
	1650 FWL			PBD-5064'	QPG	
	Sec. 18 T18S R32E					
Siete Jade No. 1	1650 FNL	Oil	6-20-87	5500'	5274-5289'	7-13-87
	1650 FWL			PBD-5488'	Del	
	Sec. 19 T18S R32E					
Siete Jade No. 2	1650 FNL	Oil	12-15-87	4525'	3806-3875'	1-27-88
	1750 FWL			PBD-4230'	QPG	
	Sec. 19 T18S R32E					
Siete Inca No. 1	760 FNL	Oil	4-10-87	5500'	5292-5307'	5-04-87
	440 FWL			PBD-5450'	Del	
	Sec. 19 T18S R32E					
Siete Inca No. 2	1700 FNL	Oil	6-08-87	5500'	5259-5274'	6-28-87
	330 FWL			PBD-5460'	Del	
	Sec. 19 T18S R32E					
Siete Inca No. 3	660 FNL	Oil	7-12-87	5500'	5188-5200'	8-06-87
	1650 FWL			PBD-5255'	Del	
	Sec. 19 T18S R32E					
Siete Inca No. 4	760 FNL	Oil	1-07-88	4500'	3768-3792'	2-04-88
	430 FWL			PBD-4244'	QPG	
	Sec. 19 T18S R32E					
Siete Conoco No. 1	330 FSL	Oil	6-21-86	5500'	5190-5221'	7-15-86
	330 FWL			PBD-5457'	Del	
	Sec. 18 T18S R32E					

<u>Well Name</u>	<u>Location</u>	<u>Well Type</u>	<u>Spud Date</u>	<u>T D</u>	<u>Compl. Interval</u>	<u>Date Comp</u>
Siete Conoco No. 1	400 FSL 400 FWL Sec. 18 T18S R32E	Oil	12-13-86	4500' PBD-4487'	4420-4425' QPG	1-13-87
Siete Conoco No. 3	2310 FSL 660 FWL Sec. 19 T18S R32E	Oil	12-27-87	5650' PBD-5596'	5054-5215' Del	2-12-88
Westall Keohane Saunders	330 FNL 2260 FEL Sec. 24 T18S R32E	Oil	3-12-61	4232'	P & A QPG	5-03-61
Siete Blackhawk No. 5	2310 FSL 330 FEL Sec. 23 T18S R31E	Oil	11-14-86	4500' PBD-4452'	4234-4254' QPG	12-04-86
Siete Blackhawk No. 6	2310 FSL 1650 FEL Sec. 23 T18S R31E	D/A	3-15-87	4500'	Tested 4214-4229' QPG	11-24-87
Siete Mohawk No. 1	2310 FSL 1650 FWL Sec. 19 T18S R32E	Oil	10-24-87	6550' PBD-6510'	5048-5072' Del	11-28-87
Conoco Young Fed. No. 5	1650 FNL 330 FEL Sec. 19 T18S R32E SE/4 NW/4 Sec. 19	Abnd. Loc.	1-30-57	4050'	Tested 3700-3726' QPG	5-22-57
Arco Panco Federal #1-4	2310 FNL 2310 FWL Sec. 23 T 185 R31E SE/4 NW/4 Sec. 23	Injection	11-7-69	3535	3439-59 QN	11-19-69
Westfall Keohane Federal #3	990 FSL 1750 FWL Sec. 23 T 185 R31E SE/4 SW/4 Sec. 23	Oil	8-22-75	3692	3392-3682 Q.P.G.	9-3-75
Texwell B.S. Jaffa #1	1980 FSL 660 FEL Sec. 23 T-18-S R-31-E SE/4 SW/4 Sec.23	P & A	4-28-39	4107	Tested 3908 Q. P. G.	7-18-39



OIL CONSERVATION DIVISION
SIETE OIL & GAS CORPORATION

Petroleum Building Suite 200
P.O. Box 2523 Roswell, New Mexico 88202
Telephone (505) 622-2202

09 NOV 20 AM 9 49

November 17, 1989

Oil Conservation Division
P. O. Box 2088
Sante Fe, New Mexico 87501

Attn: Mr. Dave Catanach

Re: Request for Administrative Approval
for Expansion of Waterflood Project
#R-8657.

Dear Mr. Catanach:

Please find attached the construction information for wells within the area of review for our proposed injection wells. I apologize for any inconvenience this may have caused for you. I appreciate your assistance in this matter.

If you have any questions, or if I can be of any assistance please do not hesitate to call me at (505) 622-2202.

Sincerely,

Robert Lee
Senior Reservoir Engineer

Siete
Inca No. 3
660 FNL
1650 FWL
Sec. 19 T18S R32E

8 5/8" surface casing @ 374', cem. w/230 sks. circ. ✓
5 1/2" production casing @ 5500', cem. w/1360 sks.

Siete
Inca No. 4
760 FNL
430 FWL
Sec. 19 T18S R32E

8 5/8" surface casing @ 358', cem. w/230 sks circ. ✓
5 1/2" production casing @ 4500', cem. w/1050 sks

Siete
Conoco No. 1
330 FSL
330 FWL
Sec. 18 T18S R32E

8 5/8" surface casing @ 362', cem. w/250 sks., circ.
~~8 5/8"~~ 5 1/2" production casing @ 5457', cem. w/600 sks.

Siete
Conoco No. 2
400 FSL
400 FWL
Sec. 18 T18S R32E

8 5/8" surface casing @ 350', cem. w/200 sks., circ. ✓
5 1/2" production casing @ 4500', cem. w/1100 sks.

Siete
Conoco No. 3
2310 FSL
660 FWL
Sec. 19 T18S R32E

8 5/8" surface casing @ 374', cem. w/230 sks., circ. ✓
5 1/2" production casing @ 5636', cem. w/1425 sks.

Westall
Keo hane Saunders
330 FNL
2260 FEL
Sec. 24 T18S R32E

8 5/8" surface casing @ 897', cem. w/50 sks.
7" production casing @ 4232', cem. w/100 sks.
Well is currently P & Add.

Siete
Mohawk No. 1
230 FSL
1650 FWL
Sec. 19 T18S R32E

8 5/8" surface casing @ 351', cem. w/ 230 sks. circ.
5 1/2" production casing @ 6550', cem. w/1635 sks.

Conoco
Young Fed. No. 5
1650 FNL
330 FEL
Sec. 19 T18S R32E
SE/4 NW/4 Sec. 23

8 5/8" surface casing @ 837', cem. w/450 sks. ✓
5 1/2" production casing @ 4050', cem. w/500 sks.

Arco
Panco Fed. WI-4
2310 FNL
2310 FWL
Sec. 23 T 18S R31E
SE/4 SW/4 Sec. 23

8 5/8" surface casing @ 814', cem. w/400 sks. ✓
5 1/2" production casing @ 3529', cem. w/300 sks.

Westall Keo hane 24-3	2200 FSL 990 FEL Sec. 24 T18S R31E	8 5/8" surface casing @ 749', cem. w/400 sks. 4 1/2" production casing @ 4500', cem. w/750 sks.
Siete Geronimo No. 1	2310 FNL 2310 FEL Sec. 24 T18S R31E	8 5/8" surface casing @ 846', cem. w/415 sks., circ. 5 1/2" Production casing @ 5367' cem. w/900 sks.
Siete Geronimo No. 2	950 FNL 2310 FEL Sec. 24 T18S R31E	13 3/8" surface casing @ 345', cem. w/400 sks., circ. 4 1/2" production casing @ 4700', cem. w/1730 sks.
Siete Geronimo No. 3	890 FNL 990 FEL Sec. 24 T18S R31E	8 5/8" surface casing @ 311', cem. w/400 sks., circ. 5 1/2" production casing @ 6489', cem. w/2830 sks.
Siete Geronimo No. 4	1650 FNL 990 FEL Sec. 24 T18S R31E	13 3/8" surface casing @ 357', cem. w/400 sks., circ. 5 1/2" production casing @ 5365', cem. w/840 sks.
Siete Geronimo No. 5	765 FNL 1980 FEL Sec. 24 T18S R31E	13 3/8" surface casing @ 372', cem. w/385 sks., circ. 8 5/8" production casing @ 5350', cem. w/2050 sks.
Siete Geronimo No. 6	790 FNL 940 FEL Sec. 24 T18S R31E	8 5/8" surface casing @ 357', cem. w/230 sks., circ. 5 1/2" production casing @ 4449', cem. w/900 sks.
Siete Geronimo No. 7	1750 FNL 990 FEL Sec. 24 T18S R31E	8 5/8" surface casing @ 362', cem. w/230 sks., circ. 5 1/2" production casing @ 4499', cem. w/700 sks.
Siete Geronimo No. 8	2310 FSL 990 FEL Sec. 24 T18S R31E	8 5/8" surface casing @ 337', cem. w/250 sks., circ. 5 1/2" production casing @ 5497', cem. w/910 sks.
Siete Geronimo NO. 9	1730 FNL 1650 FEL Sec. 24 T18S R31E	8 5/8" surface casing @ 345', cem. w/200 sks., circ. 5 1/2" production casing @ 5400', cem. w/935 sks.
Siete Geronimo No. 10	2310 FSL 1650 FEL Sec. 24 T18S R31E	8 5/8" surface casing @ 350', cem. w/230 sks., circ. 5 1/2" production casing @ 5496' cem. w/1300 sks.

Siete Geronimo No. 11	990 FSL 330 FEL Sec. 24 T18S R31E	8 5/8" surface casing @ 364', cem. w/230 sks., circ. 5 1/2" production casing @ 5489', cem. w/1330 sks.
Siete Geronimo No. 12	990 FNL 1650 FEL Sec. 24 T18S R31E	8 5/8" surface casing @ 372', cem. w/240 sks., circ. 5 1/2" production casing @ 5622', cem. w/1170 sks.
Heyco S. Taylor "13" Fed. 1	330 FSL 990 FEL Sec. 13 T18S R31E	8 5/8" surface casing @ 352', cem. w/250 sks., circ. 5 1/2" production casing @ 5410', cem. w/2325 sks.
Heyco S. Taylor "13" Fed. 2	330 FSL 330 FEL Sec. 13 T18S R31E	8 5/8" surface casing @ 350', cem. w/230 sks., circ. 5 1/2" production casing @ 5448', cem. w/1350 sks.
Heyco S. Taylor "13" Fed. 3	430 FSL 1650 FEL Sec. 13 T18S R31E	8 5/8" surface casing @ 366', cem. w/ 230 sks., circ. 5 1/2" production casing @ 5450', cem. w/1950 sks.
Conoco Buffalo No. 1	1650 FSL 330 FWL Sec. 18 T18S R32E	8 5/8" surface casing @ 950', cem. w/570 sks. 5 1/2" production casing @ 6519', cem. w/2775 sks.
Conoco Buffalo No. 2	330 FSL 1650 FWL Sec. 18 T18S R32E	8 5/8" surface casing @ 900', cem. w/570 sks. 5 1/2" production casing @ 5110', cem. w/2025 sks.
Siete Jade No. 1	1650 FNL 1650 FWL Sec. 19 T18S R32E	8 5/8" surface casing @ 372', cem. w/230 sks., circ. 5 1/2" production casing @ 5500', cem. w/1160 sks.
Siete Jade No. 2	1650 FNL 1750 FWL Sec. 19 T18S R32E	8 5/8" surface casing @ 350', cem. w/230 sks., circ. 5 1/2" production casing @ 4526', cem. w/1205 sks.
Siete Inca No. 1	760 FNL 440 FWL Sec. 19 T18S R32E	8 5/8" surface casing @ 350', cem. w/200 sks., circ. 5 1/2" production casing @ 5500', cem. w/1250 sks.
Siete Inca No. 2	1700 FNL 330 FWL Sec. 19 T18S R32E	8 5/8" surface casing @ 372', cem. w/200 sks., circ. 5 1/2" production casing @ 5460', cem. w/1170 sks.

Westfall Mask
Keo hane Fed. #3

990 FSL
1750 FWL
Sec. 23 T 185 R3IE
SE/4 SW/4 Sec. 23

8 5/8" surface casing @ 650', cem. w/250 sks.
4 1/2" production casing @ 3692', cem. w/400 sks.

Texwell
B.S. Jafra #1

1980 FSL
660 FEL
Sec. 23 T-18-S R-31-E
SE/4 SW/4 Sec. 23

8 1/4" Surface casing @ 969', cem. w/50 sks.

1980 FSL
also FEL

TRANSMITTED FROM 505 885 9264

11.29.89 11:10 P.01 *Carlsbad RA

Carlsbad Resource Area
P.O. Box 1356, 101 E. Mermod
Carlsbad, NM 88220

Telecopier 885-9264
To confirm 887-6544

Telecopier Transmittal Sheet

Date 11/29/89

Deliver to: David Catanach Office Code: NMOC D - Santa Fe

From: Shannon Shaw Operator ~

Number of pages 2
(Including transmittal)

Comments: This is all I could find on this one... nothing even
found on micro-fiche; Might try contacting either our
Roswell District (622-9042) or Santa Fe offices for more info.
New & old lease numbers (as shown) might be needed.

HOPE IT HELPS!



NOV-29-89 WED 12:20

505 885 9264

P.01

☒ 001

OIL CONSERVATION COMMISSION

A 4x4 grid of squares, with the top edge labeled 'N', the bottom edge labeled 'S', the left edge labeled 'W', and the right edge labeled 'E'.

Company **Tax Well Oil Corp**

Farm Name **Jaffa** Well No. **1**

Land Classification **Field**

Sec. **23** Twp. **18** Range **31** County **Eddy**

Feet from Line: N. **660** S. **1980** W.

Elevation **Method Mach**

Contractor **Oil Well Servicing Co.** Scout

Spudded **4-28** Completed Initial Production

Boud Status

AMOUNT
CASING AND CEMENTING RECORD

[illegible]

TUBING RECORD

PACKER

ACID RECORD

Calc.

Top Pay

TD

SHOOTING RECORD

No. of Quarts

From

To

No. of Quarries

FROM.

To

S

57

8/

g.

37

8/

TA

TX

BK

TAS

TV

TBL

TWL

Form 9-583

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION BRANCH

Sec. 23
T. 18S
R. 31E
NMP Mer.
Ref. No. 12

INDIVIDUAL WELL RECORD

PUBLIC LAND:

→ New Lease # LC-065680

Land office Las Cruces State New Mexico
Serial No. 029391 County Eddy
Permittee or Lessee Sullivan Field Shugart
Operator Texwell Oil Corporation District Roswell
Well No. 1 Subdivision C Cor. SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec.
Location 660 feet from N. S. line and 1980 feet from E. W. line of 1/4 $\frac{1}{4}$ Sec.
Drilling approved Apr. 6, 1939 Well elevation 3670 (L&S) feet
Drilling commenced Apr. 28, 1939 Total depth 4108 feet
Drilling ceased July 15, 1939 Initial production
Completed for production 19 Gravity A. P. I.
Abandonment approved June 7, 1940 Initial R. P.

Geologic Formations

Productive Horizons

Surface	Lowest tested	Name	Depth	Contents
<u>Recent</u>	<u>Permian</u>			

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1939				Drg.								
1940						P&A						

REMARKS Jan. 17, 1941. Show oil 3415-50 and 3830-62. Name of former lessee, Jaffa.