pKRV0300833534 WFX DRC 1/22/03

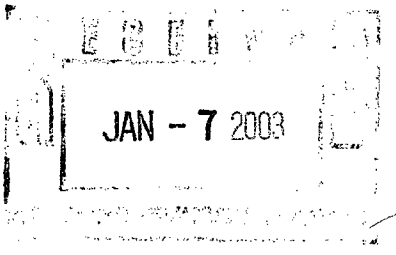
PHOENIX HYDROCARBONS OPERATING CORPORATION

415 WEST WALL, SUITE 703
MIDLAND, TX 79701

P. O. BOX 3638
Midland, Texas 79702

Phone 915 686-9869
FAX 915 686-7798

December 23, 2002



Mr. David Catanach
New Mexico Oil Conservation Commission
2040 South Pacheco Street
Santa Fe, NM 87505

RE: LANGLIE JAL UNIT WELL *NO. 91*
1980' FSL & 1980' FEL
SEC 17, T-25S, R-37E
LEA COUNTY, NEW MEXICO

Gentlemen:

Phoenix Hydrocarbons Operating Corporation has taken over operations of the Langlie Jal Unit from Kenson Operating Company, effective October 1, 2002. Phoenix respectfully request permission to convert the referenced well to a injection well. Enclosed are the necessary forms, including Form C-108 with all its attachments and the sundry form describing our procedure.

We would appreciate your prompt attention, as we are anxious to perform this conversion.

The Langlie Jal Unit Well #87 is back on production and will not be an applicant for conversion at this time.

Yours truly,

PHOENIX HYDROCARBONS OPERATING CORPORATION

Phyllis R Gunter

Phyllis R. Gunter

Prg

Attachments

Cc: Oil Conservation Commission
P O Box 1980
Hobbs New Mexico 88240

Offset Operators

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
NM 0140978

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
8910115870

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Convert to injection well

8. Well Name and No.
Langlie Jal Unit #91

2. Name of Operator
Phoenix Hydrocarbons Operating Corp

9. API Well No.
30-025-24891

3a. Address
P O Box 3638, Midland, TX 79702

3b. Phone No. *(include area code)*
915 686-9869

10. Field and Pool, or Exploratory Area
Langlie Mattix

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
J, 1980' FSL & 1980' FEL
Sec 17, T25S, R37E

11. County or Parish, State
Lea County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☒ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

(1) Move in rig up.
(2) Trip out production equipment.
(3) Clean out to PBTD.
(4) Trip in hole with injection packer to 3212.7'.
(5) Circulate packer fluid and set injection packer.
(6) Nipple up wellhead.
(7) Place on injection.

NOTE: Start date will be immediately after approval.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Phyllis R. Gunter

Title Agent

Signature Phyllis R Gunter

Date 12-23-03

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: X Secondary Recovery ____ Pressure Maintenance ____ Disposal ____ Storage
Application qualifies for administrative approval? X Yes ____ No

II. OPERATOR: PHOENIX HYDROCARBONS OPERATING CORPORATION

ADDRESS: P O Box 3638, Midland, Texas 79702

CONTACT PARTY: Chris Mitchell PHONE: 894-1750 cell

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 ____ No
If yes, give the Division order number authorizing the project: R-4051, Nov 1970

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; Top side 500 - 1000 bbl/day
2. Whether the system is open or closed; Closed
3. Proposed average and maximum injection pressure; Top side 700 to 850 psi
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, #2 WSW, analysis attached
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.). Not for disposal purposes.

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources known to be immediately underlying the injection interval. Information previously furnished.

IX. Describe the proposed stimulation program, if any. No stimulation will be required.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). Logging data previously furnished.

*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. A chemical analysis of water supply well #2 is attached.

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 sources of drinking water. The available geologic & engineering data has been examined no evidence of open faults or any other hydrologic connection between the

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. (over)
Proof of Notice attached

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: Phyllis R. Gunter TITLE: Agent

SIGNATURE: Phyllis R Gunter DATE: 12-23-02

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: Nov 1970, R-4051

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

LJU #91

Side 2

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.

attached

(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.

attached

(3) A description of the tubing to be used including its size, lining material, and setting depth.

attached

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

attached

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.

Seven Rivers-Queen

(2) The injection interval and whether it is perforated or open-hole.

3255' to 3666'

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

Producer

(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. None

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

Above = Yates Below = Greyburg

XIV. PROOF OF NOTICE

Attached

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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, 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.

PHOENIX HYDROCARBONS OPERATING CORPORATION
P O BOX 3638
MIDLAND, TEXAS

SUPPLEMENT TO FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT

III. WELL DATA: See attached well data sheets.

V. Map attached.

VI. N/A

VII. Data on proposed operation:

1. Estimated average daily rate 500 bbls/day
   Estimated average daily volume 500 bbls/day
   Estimated maximum daily rate 1000 bbls/day
   Estimated maximum daily volume 1000 bbls/day

2. The system is closed.

3. Estimated average injection pressure 700 psi
   Estimated maximum injection pressure 850 psi

4. Water from water supply well #2.

5. Injection is not for disposal purposes.

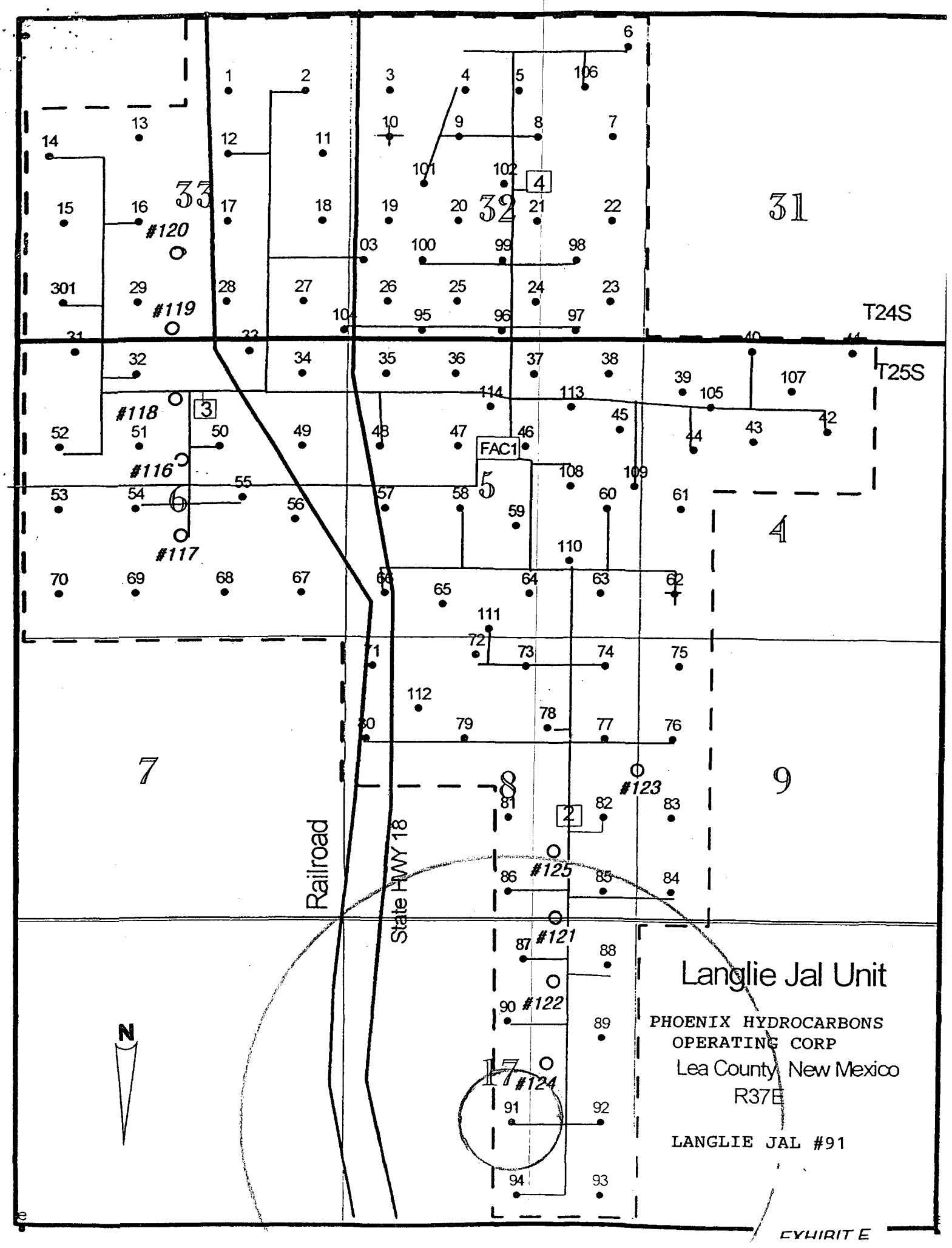
VIII. GEOLOGIC DATA ON THE INJECTION ZONE: The geologic name is the Seven Rivers-Queen and Grayburg, occurring around 3066' to 3582'. The Seven Rivers interval is composed of interbedded sandstone, siltstone and some dolomite. The Queen consists of siltstones and fine sandstones interbedded with silty dolomites. The predominant porosity in both Grayburg and Queen is of micro-intercrystalline type, some vuggy and fenestral pores also being present (Queen is about 45 ft thick). The Seven Rivers anhydtrite (300 to 400 ft thick) forms the seal of the reservoir. The clastic portion of the Seven Rivers (an up to 100 ft thick arc of sandstone, siltstone, and dolomite cement) has predominately micro-crystalline and intercrystalline porosity. The Grayburg sediments (10 to 115 ft thick) consist of approximately equal amounts of clastics (mostly silt) and carbonates (90% dolomite).

The Ogallala Aquifer (ground water) occurs approximately 206' below the surface to a depth of somewhere around 600'. The perforations that will be injected into occur 2,655' below.

IX. Presently no stimulation is planned.

X. Logging data previously furnished.

XI. A chemical analysis of water supply well #2 is attached.


Langlie Jal Unit
PHOENIX HYDROCARBONS
OPERATING CORP
Lea County, New Mexico
R37E
LANGLIE JAL #91
T24S
T25S
Railroad
State HWY 18
N
#120
#119
#118
#116
#117
#123
#125
#121
#122
#124
FAC1
33
32
31
7
9
4
17

Analytical Laboratory Report for:
Phinox HydroCarbon

BJ Unichem Chemical Services
UNICHEM Representative: Charles Vaden

Production Water Analysis

Listed below please find water analysis report from: LJU, WSW

Lab Test No:	**2002145884**	**Sample Date:**	**12/18/2002**
Specific Gravity:	**1.238**		
TDS:	**366965**		
pH:	**5.65**		

Cations:	**mg/L**	**as:**
Calcium	**1004**	**(Ca^{++})**
Magnesium	**998**	**(Mg^{++})**
Sodium	**171025**	**(Na^{+})**
Iron	**4.20**	**(Fe^{++})**
Barium	**0.00**	**(Ba^{++})**
Strontium	**45.30**	**(Sr^{++})**
Manganese	**0.48**	**(Mn^{++})**
Anions:	**mg/L**	**as:**
Bicarbonate	**488**	**(HCO_3^{-})**
Sulfate	**4700**	**($SO_4^{=}$)**
Chloride	**188700**	**(Cl^{-})**
Gases:		
Carbon Dioxide	**210**	**(CO_2)**
Hydrogen Sulfide	**204**	**(H_2S)**

Phinox HydroCarbon **Lab Test No: 2002145884**

BJ Unichem Chemical Services

DownHole SAT™ Scale Prediction @ 100 deg. F

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO3)	.146	-.0189
Aragonite (CaCO3)	.124	-.0229
Witherite (BaCO3)	0	-29.37
Strontianite (SrCO3)	.00108	-3.86
Magnesite (MgCO3)	.239	-.00865
Anhydrite (CaSO4)	1.23	59.98
Gypsum (CaSO4*2H2O)	.784	127.67
Barite (BaSO4)	0	-.348
Celestite (SrSO4)	.075	-271.47
Silica (SiO2)	0	-24.03
Brucite (Mg(OH)2)	< 0.001	-.135
Magnesium silicate	0	-74.4
Siderite (FeCO3)	.114	-.0289
Halite (NaCl)	1.45	20874
Thenardite (Na2SO4)	.00257	-86597
Iron sulfide (FeS)	1.15	2.15

Interpretation of DHSat Results:

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

Supplemental to
Application for Authorization to Inject into LJU #91

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

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

of 1

weeks.

Beginning with the issue dated

December 10 2002

and ending with the issue dated

December 10 2002

Kathi Bearden

Publisher

Sworn and subscribed to before me this 10th day of December 2002

Jodi Henson

Notary Public.

My Commission expires
October 18, 2004
(Seal)

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

LEGAL NOTICE
December 10, 2002

Phoenix Hydrocarbons Operating Corp has submitted applications to the New Mexico Oil Conservation Commission to convert to injection the following wells located in Lea County, New Mexico:

Langlie Jal Unit No. 91
1980' FSL & 660' FWL
Sec 17, T-24S, R-37E
Perf: 3291'-3447'

Langlie Jal Unit No. 87
660' FNL & 1980' FEL
Sec 17, T-25S, R-37E
Perf: 3294'-3550'

The above wells will be used to inject salt water into the Seven Rivers and Queen formation at perforated intervals above. Injection rate is estimated at a daily rate of 500 barrels with a maximum of 1000 barrels at an estimated injection pressure of 700 psi not to exceed 850 psi, or not to exceed formation fracture pressure.

Interested parties have 15 days from the date of this publication to file an objection or to request a hearing. Objection may be filed by contacting the Oil Conservation Commission Division, 2040 South Pacheco Street, Santa Fe, NM 87505.

Applicant can be contacted by writing Phoenix Hydrocarbons Operating Corporation, P O Box 3638, Midland, Texas 79705 or by calling Phyllis R. Gunter at 915-686-9869.

PHOENIX HYDROCARBONS OPERATING CORP
PHYLLIS R GUNTER
AGENT
#19445

02105941000 02561089

Phoenix Hydrocarbons Operating
P. O. Box 3638
MIDLAND, TX 79702

PHOENIX HYDROCARBONS
P O BOX 3638
MIDLAND, TEXAS 79702

OFFSET OPERATORS AND SURFACE OWNERS TO LANGLIE JAL UNIT #91
SUPPLEMENT TO FORM C-108

FOUR STAR OIL & GAS CO
% CHEVRON USA INC
ATTN: LAND MANAGER
935 GRAVIER ST
NEW ORLEANS, LA 70112

APCO OIL CORP
210 PARK AVENUE
1ST NATL BK BLDG
OKLAHOMA CITY, OK 73101

ARCO OIL & GAS CO
P O BOX 1610
MIDLAND, TX 79702

AMERADA HESS
P O BOX 2040
TULSA OK 74102

DOYLE HARTMAN, INC
P O BOX 10406
MIDLAND, TEXAS 79702

SUNOCO EXPLORATION & PROD
P O BOX 1861
MIDLAND, TEXAS 79702

GULF OIL CORPORATION
P O BOX 1150
MIDLAND, TX 79702

EL PASO NATURAL
ATTN: LAND MANAGER
#9 GREENWAY PLAZA
HOUSTON, TX 77046

WESTATES ITALO CO
1504 ONE HOUSTON CENTER
HOUSTON, TX 77010

SANTA FE ENERGY
ONE SECURITY PARK
7200 I-40 WEST
AMARILLO, TX 79106

PHILLIPS PETROLEUM
4001 PENBROOK
ODESSA, TX 79762

MOBIL OIL CORPORATION
P O BOX 1800
HOBBS NM 88240

CONOCO, INC
P O BOX 460
HOBBS NM 88240

PETCO
1100 1st NATL BK BLDG
HOUSTON, TX 77002

WOOLWORTH ESTATES
% BOARD OF TRUSTEES
BOX 178
JAL NEW MEXICO 88252

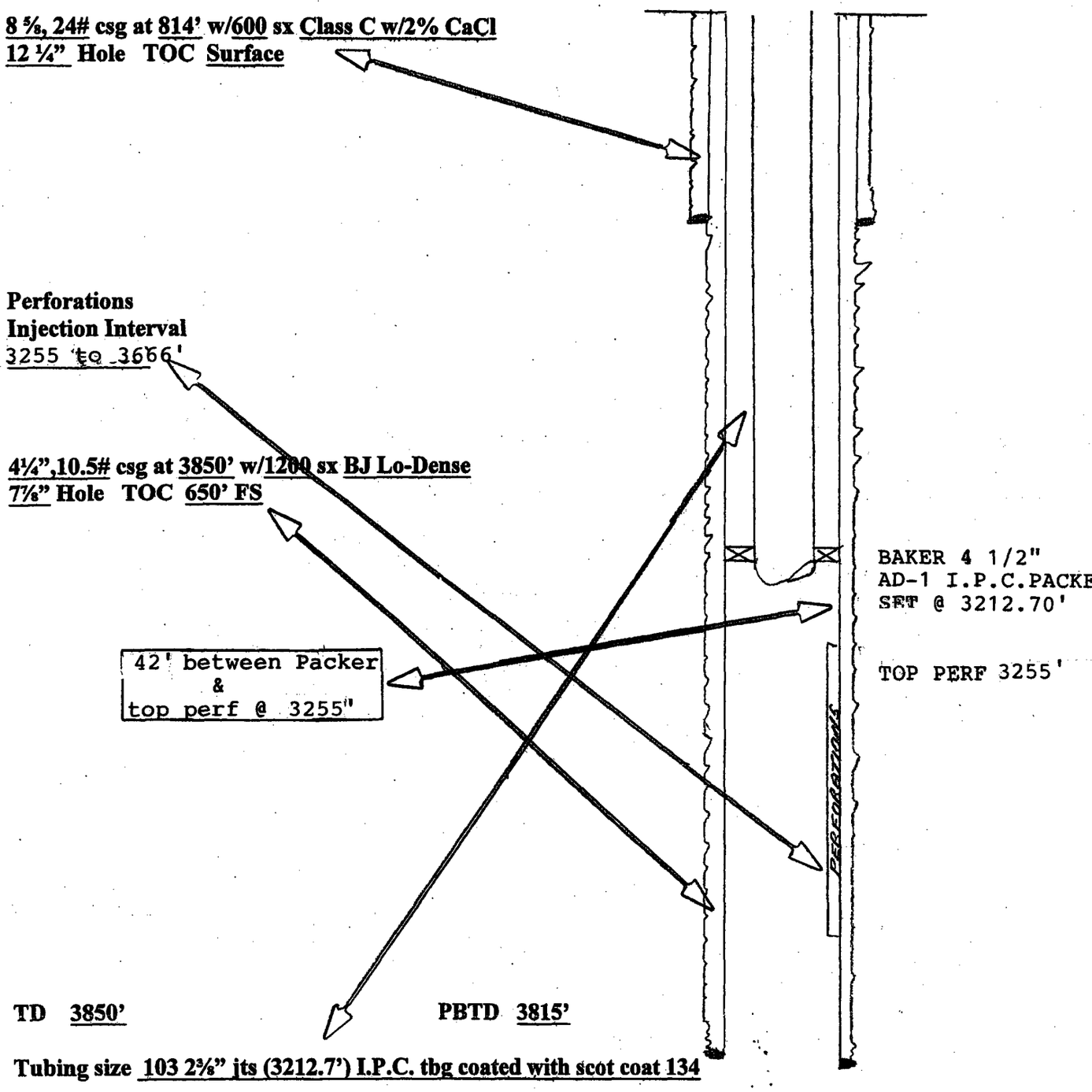
J T CRAWFORD
JAL NM 88252

HERMAN L LOEB
P O BOX 524
LAWRENCEVILLE, ILL 62439

PHOENIX HYDROCARBONS OPERATING CORPORATION
P O BOX 3638
MIDLAND, TEXAS 79702

SUPPLEMENT TO FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT

FIELD: LANGLIE MATTRIX
LEASE: LANGLIE JAL UNIT WELL NO: 91
DATE: 12/16/02 SPUDDED: 11/74 COMP: 12/20/74
ELEV: 3109.5 GL
LOCATION: 1980' FSL & 1980' FEL, J, SEC 17, T25S, R37E
LEA COUNTY NEW MEXICO



Tubing size 103 2⅜" jts (3212.7') I.P.C. tbg coated with scot coat 134

OTHER DATA:

1. Name of the injection formation: Seven Rivers-Queen

2. Name of Field or Pool (if applicable): Langlie-Mattrix (Queen)

3. Is tyis a new well drilled for injection? No
   If no, for what purpose was the well originally drilled? Producing Oil Well

4. Has the well ever been perforated in any other zone? List all such perforated intervals and give plugging detail (sacks of cement or brige plug used). No

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

FOUR STAR
935 GRAVIER
NEW ORLEANS
70112

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Norman Adams ☐ Agent ☑ Addressee

B. Received by (Printed Name) C. Date of Delivery 12/26/02

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7002 0460 0002 0064 2135

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1035

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

ARCO OIL COM
P O BOX 1610
MIDLAND TX 79702

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addres

B. Received by (Printed Name) TROY HOBBS C. Date of Deli DEC 26 20

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchanc
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service l 7002 0460 0002 0064 2104

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

GULF OIL CORP
P O BOX 1150
MIDLAND TX 79702

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7002 0460 0002 0064 3729

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1035

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

J T CRAWFORD
JAL NM
88252

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X J. Crawford ☐ Agent ☐ Addres

B. Received by (Printed Name) JT CRAWFORD C. Date of Deli 12-31-02

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchan
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from servic 7002 0460 0002 0064 2203

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

HERMAN LOEB
P O BOX 524
LAWRENCEVILLE IL
62439

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 12-26-02

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7002 0460 0002 0064 2081

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1035

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EL PASO
#9 GREENWAY PLAZA
HOUSTON TX 77046

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addres

B. Received by (Printed Name) C. Date of Deli

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchan
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7002 0460 0002 0064 3736

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M

1-6-03

MR CATANACH,

ALL OF THE ABOVE COMPANIES AND THE TWO and accepted
ON THE ATTACHED SHEET HAVE RECEIVED ↑ NOTICE OF
PHOENIX INTENT TO INJECT.

SINCERELY,

Phyllis A. Dutton

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

PHILLIPS
4001 PEARSON
ODESSA TX
79762

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Deliver
12/27

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandis
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7002 0460 0002 0064 2166

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

WOOLWORTH
BOX 178
JAL NM
88252

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Deliv
12-26-0

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchanc
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7002 0460 0002 0064 2111

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M

Wells in AOR	Typ	Stat	Cmpl	Cls	TVD	Dist	Latitude:	Longitude:
30-025-11631-00-00	G	A	S		2980	0	32.12923	-103.18333
30-025-34620-00-00	G	A	S		3080	0	32.1247	-103.18225
30-025-11630-00-00	I	A	S	2R	99999	0	32.132	-103.17802
30-025-11633-00-00	I	A	S	2R	99999	0	32.12469	-103.17799
30-025-11638-00-00	I	T	S	2R	3405	0	32.12924	-103.18553
30-025-11640-00-00	O	A	S		3403	0	32.13199	-103.18661
30-025-11641-00-00	O	A	S		3550	0	32.12561	-103.1855
30-025-11643-00-00	O	A	S		3565	0	32.1329	-103.18335
30-025-24891-00-00	O	A	S		3850	0	32.12833	-103.18227
30-025-11635-00-00	O	A	S		99999	0	32.12561	-103.18226
30-025-11636-00-00	O	A	S		99999	0	32.12832	-103.178
30-025-11637-00-00	O	A	S		3375	0	32.12924	-103.18979

API Well No: 30-025-24891-00-00 **Permit No** **Well Name/No** LANGLIE JAL UNIT

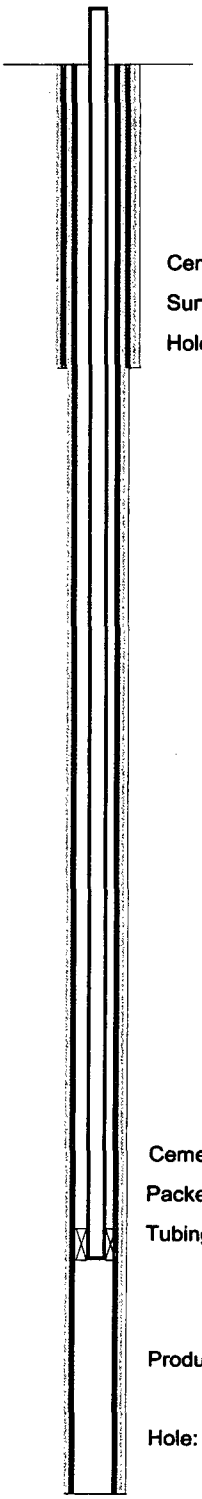
Company Name: KENSON OPERATING COMPANY INC

Location: Sec: 17 T: 25S R: 37E Spot:

Lat/Long: Lat: 32.12833 Long: -103.18227

Field Name: LANGLIE JAL UNIT

County Name: Lea



TD: **TVD:** 3850 **PBTD:** 0

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	814	8.625		
SURF	814	8.625	24	814
HOL3	3850	4.5		
PKR	3210	4.5		5
PROD	3850	4.5	10.5	3850
T1	3205	2.375		3205

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	3850	0	C	1200
SURF	814	0	C	600

Perforation Information

Formation Information

St Code	Formation	Depth

Comprehensive Well Report

Report Description

This report lists all well construction and well history data stored in the system for a specified well. If a well has multiple sidetracks and completions, the report options allow for one or all sidetracks and completions to be listed for the wellbore.

RBDMS Report Name: rptWellComp, rptWellPool, rptWellCompBH, rptWellFormTops, rptWellStrings, rptWellStringPipe, rptCement, rptCementCls, rptWellPerfs, rptWellZones, rptWellZoneFmtn, rptGeoStimulations, rptWellLogs, rptWellHistry

API Well# 30-025-11638-00-00 **Alt#1** **Alt#2** **Alt#3**
Cnty Nm Lea
Operator 20989.00 SMITH & MARRS INC
OrgOp
Drillr
Well Nm & No SOUTH LANGLIE JAL UNIT
Field # & Name 30978 . SOUTH LANGLIE JAL UNIT
Basin
Dpst Fmtn
Pools 33820 JALMAT;TAN-YATES-7 RVRS (OI

Type Injection - (All Types)
Catgry
Stats Temporarily Abandoned
Cmpl
OpWellNo
WIPermit
OrgTyp
OrgCat
Facility/Project# NA

Status Dt	
Prmt App	7/1/2000
Prmt Exp	
Spudded	9/26/1951
TD Rchd	12/31/9999
Cmpltd	1/1/1900
1st Prod	12/31/9999
1st Inj	
PB Dt	
P/A	12/31/9999

Region Hobbs **Mult Lateral?**

NOTES>

ELEVATION	
KB	0
DF	0
Gr	3107
Srf	

Const	Meas	TVD
Kickoff		
Plug Back	0	0
Hole		3405
Logger	3405	

Surface Location **Slant**

Source

Zone **X** **Y** 0 **OrgX** **OrgY** **Lat** 32.129240 **Long** -103.18553
Legal S: 17 T: 25S R: 37E

Footage Calls
Directions

DtComp Rpt Rec
DtEnd Confidntl
Surface Operator Private

Dir Survey Run ☐ Recvd ☐

Drilling Unit Acres Desc

Production Class **Method** Pumping

Frequency Idle Rpt

Water Disposal Method **API Wl#** Facility

Commingled Dwn Hole ☐ At Surf ☐ Dt Srf Apr

ISIP Nat Prod ☐ Nat Treat Oil Gas Brine

Mnrl Intrt Fed ☐ St ☐ **SmpRq?** ☐ **OpnPit** ☐ **H2S?** ☐
Geologic Formation Tops **Ref Top** **Rig**

UIC Data

Revocation Dt
Hkup Insp Dt
UIC Permit R-4022
Commercial ☐
New/Converted
Class Enhanced Recovery Injection Well

Compliance Review
Last **Result**
Date Oper Notfd IMIT Requirement

Allowables
Rate
Inj Prs 0

Annulus Pressure Monitoring
Dt Apprvd
Min. Req.
Typ Fluid
SG of Fluid

Water Analysis
Date
Inj Fld
SG Inj **PH Inj**
Corr Inj

Mechanical Integrity
Planning and Tracking Info. **Freq** **Date Next MIT Due**
External MIT
Internal MIT
Recording
Mont Report
IMIT Req Tst Press
Next Insp

Continuation of Well 30-025-11638-00-00 **Well Name** SOUTH LANGLIE JAL UNIT

Boreholes, Strings, Equipment Specifications

Type	Diam	Top	Bot	Set Dt
HOL1	8.625	0	212	
SURF	8.625	0	212	
HOL2	5.5	0	2792	
PRO	5.5	0	2792	
T1	2.875	0	3145	
PKR	5.5	3145	3150	

Specifications for Strings/Tubulars

Grade	Lgth	Wt	Cond	Taper
	212	24		
	2792	14		
	3145			
	5			

Strings Cemented, Intervals, Dates

Bot	Top	Meth	Cemntd	Cono	Wit	Inspector	Duration
2792	0				☐		
212	0				☐		

Cement & Plug Desc Info

Cls	Sacks	Yield	Wght
C	400		
C	125		

Completion Information for Screens, Open Hole, or Perforated Intervals

Well-Specific Zones

Zone Formations

Well-Specific Stimulations

Downhole Geophysical Logs, Drill Cores, Samples

Well History

Comprehensive Well Report

Report Description

This report lists all well construction and well history data stored in the system for a specified well. If a well has multiple sidetracks and completions, the report options allow for one or all sidetracks and completions to be listed for the wellbore.

RBDMS Report Name: rptWellComp, rptWellPool, rptWellCompBH, rptWellFormTops, rptWellStrings, rptWellStringPipe, rptCement, rptCementCls, rptWellPerfs, rptWellZones, rptWellZoneFmtn, rptGeoStimulations, rptWellLogs, rptWellHistry

API Well# 30-025-11631-00-00 **Alt#1** **Alt#2** **Alt#3**
Cnty Nm Lea
Operator 192143.00 HERMAN L LOEB
OrgOp
Drillr
Well Nm & No LANGLIE A FEDERAL
Field # & Name 28558 . LANGLIE A FEDERAL
Basin
Dpst Fmtn
Pools 79240 JALMAT;TAN-YATES-7 RVRS (PR

Type Gas (Producing)
Catgry
Stats Active
Cmpl
OpWellNo
WlPermit
OrgTyp
OrgCat
Facility/Project# NA

Status Dt	
Prmt App	4/1/1998
Prmt Exp	
Spudded	5/25/1952
TD Rchd	12/31/9999
Cmpltd	1/1/1996
1st Prod	1/1/1900
1st Inj	
PB Dt	
P/A	12/31/9999

Region Hobbs **Mult Lateral?**

NOTES >

ELEVATION	
KB	0
DF	0
Gr	3108
Srf	

Const	Meas	TVD
Kickoff		
Plug Back	0	0
Hole		2980
Logger	2980	

Surface Location **Slant**

Source

Zone **X** **Y** 0 **OrgX** **OrgY** **Lat** 32.129230 **Long** -103.18333
Legal S: 17 T: 25S R: 37E

Footage Calls
Directions

DtComp Rpt Rec
DtEnd Confidntl
Surface Operator Federal

Dir Survey Run ☐ Recvd ☐

Drilling Unit Acres Desc

Production Class Method Pumping

Frequency Idle Rpt

Water Disposal Method API Wl# Facility

Commingled Dwn Hole ☐ At Surf ☐ Dt Srf Apr

ISIP **Nat Prod** ☐ **Nat** **Treat** Oil Gas Brine

Mnrl Intrt **Fed** ☐ **St** ☐ **SmpRq?** ☐ **OpnPit** ☐ **H2S?** ☐

Geologic Formation Tops **Ref Top** **Rig**

UIC Data

Revocation Dt
Hkup Insp Dt
UIC Permit
Commercial ☐
New/Converted
Class

Compliance Review
Last **Result**
Date Oper Notfd IMIT Requirement

Allowables
Rate
Inj Prs

Annulus Pressure Monitoring
Dt Apprvd
Min. Req.
Typ Fluid
SG of Fluid

Water Analysis
Date
Inj Fld
SG Inj **PH Inj**
Corr Inj

Mechanical Integrity
Planning and Tracking Info. **Freq** **Date Next MIT Due**
External MIT
Internal MIT
Recording
Mont Report
IMIT Req Tst Press
Next Insp

Continuation of Well 30-025-11631-00-00 **Well Name** LANGLIE A FEDERAL

Boreholes, Strings, Equipment Specifications

Type	Diam	Top	Bot	Set Dt
HOL1	9.625	0	289	
SURF	9.625	0	289	
HOL3	7	0	2821	
PRO	7	0	2821	
T1	2.375	0	2961	
PKR	7	2961	2966	

Specifications for Strings/Tubulars

Grade	Lgth	Wt	Cond	Taper
	289	36		
	2821	20		
	2961			
	5			

Strings Cemented, Intervals, Dates

Bot	Top	Meth	Cemntd	Cono	Wit	Inspector	Duration
2821	0				☐		
289	0				☐		

Cement & Plug Desc Info

Cls	Sacks	Yield	Wght
C	350		
C	140		

Completion Information for Screens, Open Hole, or Perforated Intervals

Well-Specific Zones **Zone Formations**

Well-Specific Stimulations

Downhole Geophysical Logs, Drill Cores, Samples

Well History

Comprehensive Well Report

Report Description

This report lists all well construction and well history data stored in the system for a specified well. If a well has multiple sidetracks and completions, the report options allow for one or all sidetracks and completions to be listed for the wellbore.

RBDMS Report Name: **rptWellComp, rptWellPool, rptWellCompBH, rptWellFormTops, rptWellStrings, rptWellStringPipe, rptCement, rptCementCls, rptWellPerfs, rptWellZones, rptWellZoneFmtn, rptGeoStimulations, rptWellLogs, rptWellHistry**

API Well# 30-025-34620-00-00 **Alt#1** **Alt#2** **Alt#3**
Cnty Nm Lea
Operator 192143.00 HERMAN L LOEB
OrgOp 0.00
Drillr 0.00
Well Nm & No LANGLIE A FEDERAL
Field # & Name 28558 . LANGLIE A FEDERAL
Basin
Dpst Fmtn
Pools 79240 JALMAT;TAN-YATES-7 RVRS (PR

Type Gas (Producing)
Catgry
Stats Active
Cmpl
OpWellNo
WlPermit
OrgTyp
OrgCat
Facility/Project# NA

Status Dt	
Prmt App	4/28/1999
Prmt Exp	
Spudded	6/18/1999
TD Rchd	12/31/9999
Cmpltd	6/18/1999
1st Prod	7/22/1999
1st Inj	
PB Dt	
P/A	12/31/9999

Region Hobbs **Mult Lateral?**

NOTES>

ELEVATION	
KB	0
DF	0
Gr	3091
Srf	0

Const	Meas	TVD
Kickoff		0
Plug Back	0	0
Hole	0	3080
Logger	0	

Surface Location **Slant** **Source**

Zone **X** 0 **Y** 0 **OrgX** 0 **OrgY** 0 **Lat** 32.124700 **Long** -103.18225
Legal S: 17 T: 25S R: 37E

Footage Calls
Directions

DtComp Rpt Rec
DtEnd Confidntl
Surface Operator Federal

Dir Survey
Run ☐
Recvd ☐

Drilling Unit
Acres 0
Desc

Production
Class
Method Flowing

Frequency
Idle Rpt 0

Water Disposal
Method
API Wl#
Facility

Commingled
Dwn Hole ☐
At Surf ☐
Dt Srf Apr

ISIP 0 **Nat Prod** ☐

	Nat	Treat
Oil	0	0
Gas	0	0
Brine	0	0

Mnrl Intrt Fed ☐ St ☐ **SmpRq?** ☐ **OpnPit** ☐ **H2S?** ☐

Geologic Formation Tops **Ref Top** **Rig**

UIC Data

Revocation Dt
Hkup Insp Dt
UIC Permit
Commercial ☐
New/Converted
Class

Compliance Review
Last **Result**
Date Oper Notfd IMIT Requirement

Allowables
Rate 0
Inj Prs 0

Annulus Pressure Monitoring
Dt Apprvd
Min. Req. 0
Typ Fluid
SG of Fluid 0

Water Analysis
Date
Inj Fld
SG Inj 0 **PH Inj** 0
Corr Inj

Mechanical Integrity
Planning and Tracking Info. **Freq** **Date Next MIT Due**
External MIT 0
Internal MIT 0
Recording 0
Mont Report
IMIT Req Tst Press 0
Next Insp 0

Continuation of Well 30-025-34620-00-00 **Well Name** LANGLIE A FEDERAL

Boreholes, Strings, Equipment Specifications

Type	Diam	Top	Bot	Set Dt
HOL1	8.625	0	640	
SURF	8.625	0	640	
T1	2.375	0	2813	
PKR	4.5	2813	2818	
HOL2	4.5	0	3079	
PRO	4.5	0	3079	

Specifications for Strings/Tubulars

Grade	Lgth	Wt	Cond	Taper
	640	24		
	2813			
	5			
	3079	10.5		

Strings Cemented, Intervals, Dates

Bot	Top	Meth	Cemntd	Cono	Wit	Inspector	Duration
3079	0				☐		
640	0				☐		

Cement & Plug Desc Info

Cls	Sacks	Yield	Wght
C	650		
C	425		

Completion Information for Screens, Open Hole, or Perforated Intervals

Well-Specific Zones

Zone Formations

Well-Specific Stimulations

Downhole Geophysical Logs, Drill Cores, Samples

Well History

Comprehensive Well Report

Report Description

This report lists all well construction and well history data stored in the system for a specified well. If a well has multiple sidetracks and completions, the report options allow for one or all sidetracks and completions to be listed for the wellbore.

RBDMS Report Name: **rptWellComp, rptWellPool, rptWellCompBH, rptWellFormTops, rptWellStrings, rptWellStringPipe, rptCement, rptCementCls, rptWellPerfs, rptWellZones, rptWellZoneFmtn, rptGeoStimulations, rptWellLogs, rptWellHistry**

API Well# 30-025-24891-00-00 **Alt#1** **Alt#2** **Alt#3**
Cnty Nm Lea **Type** Oil (Producing)
Operator 185433.00 KENSON OPERATING COMPANY INC, JOHN N F **Catgry**
OrgOp **Stats** Active
Drillr **Cmpl**
Well Nm & No LANGLIE JAL UNIT **OpWellNo**
Field # & Name 25415 . LANGLIE JAL UNIT **WlPermit**
Basin **OrgTyp**
Dpst Fmtn **OrgCat**
Pools 37240 LANGLIE MATTIX;7 RVRS-Q-GRA **Facility/Project#** NA

Status Dt	
Prmt App	1/1/1975
Prmt Exp	
Spudded	11/24/1974
TD Rchd	12/31/9999
Cmpltd	1/1/1975
1st Prod	1/1/1975
1st Inj	
PB Dt	
P/A	12/31/9999

Region Hobbs **Mult Lateral?**

NOTES>

ELEVATION	
KB	0
DF	0
Gr	99999
Srf	

Const	Meas	TVD
Kickoff		
Plug Back	0	0
Hole		3850
Logger	3850	

Surface Location **Slant**

Source

Zone **X** **Y** 0 **OrgX** **OrgY** **Lat** 32.128330 **Long** -103.18227
Legal S: 17 T: 25S R: 37E

Footage Calls
Directions

DtComp Rpt Rec
DtEnd Confidntl
Surface Operator Private

Dir Survey
Run ☐
Recvd ☐

Drilling Unit
Acres
Desc

Production
Class
Method Pumping

Frequency
Idle Rpt

Water Disposal
Method
API Wl#
Facility

Commingled
Dwn Hole ☐
At Surf ☐
Dt Srf Apr

ISIP **Nat Prod** ☐
Nat Treat
Oil
Gas
Brine

Mnrl Intrt Fed ☐ St ☐ **SmpRq?** ☐ **OpnPit** ☐ **H2S?** ☐

Geologic Formation Tops **Ref Top** **Rig**

UIC Data

Revocation Dt
Hkup Insp Dt
UIC Permit
Commercial ☐
New/Converted
Class

Compliance Review
Last **Result**
Date Oper Notfd IMIT Requirement

Allowables
Rate
Inj Prs

Annulus Pressure Monitoring
Dt Apprvd
Min. Req.
Typ Fluid
SG of Fluid

Water Analysis
Date
Inj Fld
SG Inj **PH Inj**
Corr Inj

Mechanical Integrity
Planning and Tracking Info. **Freq** **Date Next MIT Due**
External MIT
Internal MIT
Recording
Mont Report
IMIT Req Tst Press
Next Insp

Continuation of Well 30-025-24891-00-00 **Well Name** LANGLIE JAL UNIT

Boreholes, Strings, Equipment Specifications

Type	Diam	Top	Bot	Set Dt
HOL1	8.625	0	814	
SURF	8.625	0	814	
T1	2.375	0	3205	
PKR	4.5	3205	3210	
HOL3	4.5	0	3850	
PRO	4.5	0	3850	

Specifications for Strings/Tubulars

Grade	Lgth	Wt	Cond	Taper
	814	24		
	3205			
	5			
	3850	10.5		

Strings Cemented, Intervals, Dates

Bot	Top	Meth	Cemntd	Cono	Wit	Inspector	Duration
3850	0				☐		
814	0				☐		

Cement & Plug Desc Info

Cls	Sacks	Yield	Wght
C	1200		
C	600		

Completion Information for Screens, Open Hole, or Perforated Intervals

Well-Specific Zones **Zone Formations**

Well-Specific Stimulations

Downhole Geophysical Logs, Drill Cores, Samples

Well History