

DATE IN 11/22/13	SUSPENSE	ENGINEER PRG	LOGGED IN 11/22/13	TYPE SWD	APP NO. PPAG1332654068
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ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

Ray Westall  
State 25 Well No.1  
30-015-32422  
WC-ST

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

Ben Stone		Agent for Ray Westall	11/20/13
Print or Type Name	Signature	Title	Date
		ben@sosconsulting.us	
		e-mail Address	



November 20, 2013

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

Attn: Ms. Jami Bailey, Director

*Re: Application of Ray Westall Operating, Inc. to permit for salt water disposal in its State '25' No.1 well located in Section 25, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico.*

Dear Ms. Bailey,

Please find enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request to reenter and configure for disposal, the State '25' No.1.

Ray Westall Operating seeks to optimize efficiency, both economically and operationally, of its operations. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice ran in the November 17, 2013 edition of the Artesia Daily Press and all offset operators and other interested parties have been notified individually. The legal notice affidavit will be forwarded upon receipt. This application also includes wellbore schematics, area of review maps, leaseholder plats and other required information for a complete Form C-108. The well is located on state lands and a copy of this application has been submitted to the State Land Office, Division of Oil, Gas and Minerals.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Best regards,

Ben Stone, Partner  
SOS Consulting, LLC  
Agent for Ray Westall Operating, Inc.

Cc: Application attachment and file

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: *Salt Water Disposal* and the application *qualifies* for administrative approval.
- II. OPERATOR: *Ray Westall Operating, Inc.*  
ADDRESS: *P.O. Box 4, Loco Hills, NM 88255*  
  
CONTACT PARTY: *Donnie Mathews (575) 677-2372*  
*Agent: SOS Consulting, LLC – Ben Stone (903) 488-9850*
- III. WELL DATA: *All well data and applicable wellbore diagrams are attached hereto.*
- IV. *This is not an expansion of an existing project.*
- V. *A map is attached 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. *A tabulation is attached of data on all wells of public record within the area of review which penetrate the proposed injection zone (1 AOR well [originally] penetrated subject interval, see notes - No P&A.) The data includes a description of each well's type, construction, date drilled, location, depth, and a schematic of any plugged well illustrating all plugging detail.*
- VII. *The following data is attached 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. *Appropriate geologic data on the injection zone is attached 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.*
- IX. *No stimulation program is proposed at this time.*
- \*X. *There is no applicable test data on the well however, any previous well logs (2 well logs available via OCD Online) have been filed with the Division and they need not be resubmitted.*
- \*XI. *State Engineer's records indicated one domestic water wells within one mile the proposed salt water disposal well. An analysis of the water will be forwarded as soon as possible.*
- XII. *An affirmative statement is attached that available geologic and engineering data has been examined and no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.*
- XIII. *"Proof of Notice" section on the next page of this form has been completed.*  
*There are 9 offset lessees and/or operators within 1/2 mile - all have been noticed.*
- 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: *Ben Stone* TITLE: *SOS Consulting, LLC agent / consultant for Ray Westall Operating, Inc.*

SIGNATURE:  DATE: *11/18/2013*

E-MAIL ADDRESS: *ben@sosconsulting.us*

- \* 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:

**III. WELL DATA – *The following information and data is included:***

**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 the name of the next higher and next lower oil or gas zone in the area of the well, if any.

**XIV. PROOF OF NOTICE *pursuant to the following criteria is 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.**

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**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.

# CURRENT CONFIGURATION

## PLUGGED WELL SCHEMATIC State 25 Well No.1

API 30-015-32422

2310' FNL & 1980' FWL, SEC. 25-T18S-R27E  
EDDY COUNTY, NEW MEXICO

Spud Date: 9/24/2002

P&A Date: 11/02/2002

Well plugged by:  
PAR Minerals Corp.

<PLUGGING ITEMS LISTED LEFT>

### PLUGS:

Spot 60' Cmt  
60'-0'

Spot 400' Cmt  
660'-225'  
(Tagged)

Spot 100' Cmt  
2430'- 2320'  
(Tagged)

Spot 100' Cmt  
4000'- 3900'

Spot 100' Cmt  
5900'- 5800'

Spot 100' Cmt  
7500'-7400'

Spot 100' Cmt  
9900'-9800'

Spot 100' Cmt  
10300'-10200'

P&A Marker

G.R. 3559'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

### Surface Casing

13.375", 48.0# Csg. (17.5" Hole) @ 310'  
335 sx CIs 'C' - 100 sx - Circulated to Surface

### Intermediate Casing

9.625", 26.0# csg. (12.25" Hole) @ 2380'  
803 sx 35/65 Poz + 'C' - 68 sx Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

Submit 3 Copies To Appropriate District Office (Name) 1225 W. Grand Ave., Austin, TX 78710 District II 1980 Rio Grande Rd., Austin, TX 78748 District IV 1220 E. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-103 Revised March 22, 1999 WELL API NO. 30-015-32422 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> 6. State Oil & Gas Lease No. NM 645 7. Lease Name or Unit Agreement Name: STATE 25
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REPER OR PLUG BACK TO A EXISTING WELLS. USE "APPLICATION FOR PERMIT" (FORM C-100) FOR SUCH PROPOSALS)		8. Well No. 1 9. Pool name or Widened WILDCAT	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		10. Elevation (Show whether DR, RGR, RT, GR, etc.) 3559 GR	
2. Name of Operator PAR MINERALS CORPORATION		11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REPAIR WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> COMMENCE DRILLING OPER. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
3. Address of Operator 500 MARKET ST STE 300, SHREVEPORT, LOUISIANA 71301		12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. Plug and Abandon: Set and cmt. plugs @ 10,300, 100' plug 9,800, 100' plug 7,500, 100' plug 5,900, 100' plug 4,000, 100' plug 2,430, 100' plug tag @ 2320' 660, 400' plug tag @ 235' Surface plug 0 - 60'	
4. Well Location Unit Letter F Section 25 Township 18S Range 27E N04M4 County EDDY		No 11 P&A on Nov. 02, 2002	

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data  
 NOTICE OF INTENTION TO:  
 PERFORM REPAIR WORK ☐ PLUG AND ABANDON ☒ REMEDIAL WORK ☐ ALTERING CASING ☐  
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPER. ☐ PLUG AND ABANDONMENT ☐  
 PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐ CASING TEST AND CEMENT JOB ☐ OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent data, including estimated date of  
 starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or  
 recompletion.

Plug and Abandon: Set and cmt. plugs @ 10,300, 100' plug  
 9,800, 100' plug  
 7,500, 100' plug  
 5,900, 100' plug  
 4,000, 100' plug  
 2,430, 100' plug tag @ 2320'  
 660, 400' plug tag @ 235'  
 Surface plug 0 - 60'

No 11 P&A on Nov. 02, 2002

I hereby certify that the information shown is true and complete to the best of my knowledge and belief.  
 SIGNATURE Roger Hooper TITLE REGULATORY DATE 11/19/02  
 Type or print name ROGER HOOPER Telephone No. 310-221-6116  
 (This space for State use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 Conditional approval, if any:

WLFCP: 7330

CANYN: -6257

STWN: -8857

ATKA: -9457

MRRW: -6657

30-015-33372  
E

### Production Casing - NEVER SET

WC: 8034'  
TR: 8534'  
AK: 9784'  
Morrow: 10208'  
Drilled as Morrow gas well - non-economic

DTD @ 10350'

SOS Consulting LLC  
 Drawn by: Ben Stone, 11/18/2013

30-015-

WC: 7425' N  
 Can: 8610'  
 St: 9056'

W  
 30-015-27034

WC: 7178'  
 TP: 7780'  
 Can: 8024'  
 St: 8779'  
 At: 9380'



# WELL SCHEMATIC - PROPOSED State 25 Well No.1 SWD

API 30-015-32422

2310' FNL & 1980' FWL, SEC. 25-T18S-R27E  
EDDY COUNTY, NEW MEXICO

Spud Date: 9/24/2002

Re-Entry Date: ~1/15/2014

Annulus Monitored  
or open to atmosphere

Injection Pressure Regulated  
and Volumes Reported

## RAY WESTALL OPERATING, INC.

Convert to SWD: D/O & C/O Existing Plugs to 9324'.

(Spot cement if necessary for BH integrity.)

Run & Set New 5-1/2" - Set @ 7334'

Cement 2 stages w/ ~1000 sx - Circulate to Surface.

Run PC Tubing and PKR - Conduct MIT.

Commence Disposal Operations.

### Surface Casing

13.375", 48.0# Csg. (17.5" Hole) @ 310'

335 sx Cls 'C' - 100 sx - Circulated to Surface

### Intermediate Casing

9.625", 26.0# csg. (12.25" Hole) @ 2380'

803 sx 35/65 Poz + 'C' - 68 sx Circulated to Surface

Annulus Loaded  
w/ Inert Packer Fluid

2.375" IC Tubing  
PKR ~7350'

### NEW Production Casing

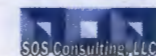
5.5", 17.0# Csg - Surface to 7334'

Est. ~1000 sx w/ excess - Circulate to Surface

Spot Cmt @ ~9234'

PBTD @ 9324' ✓

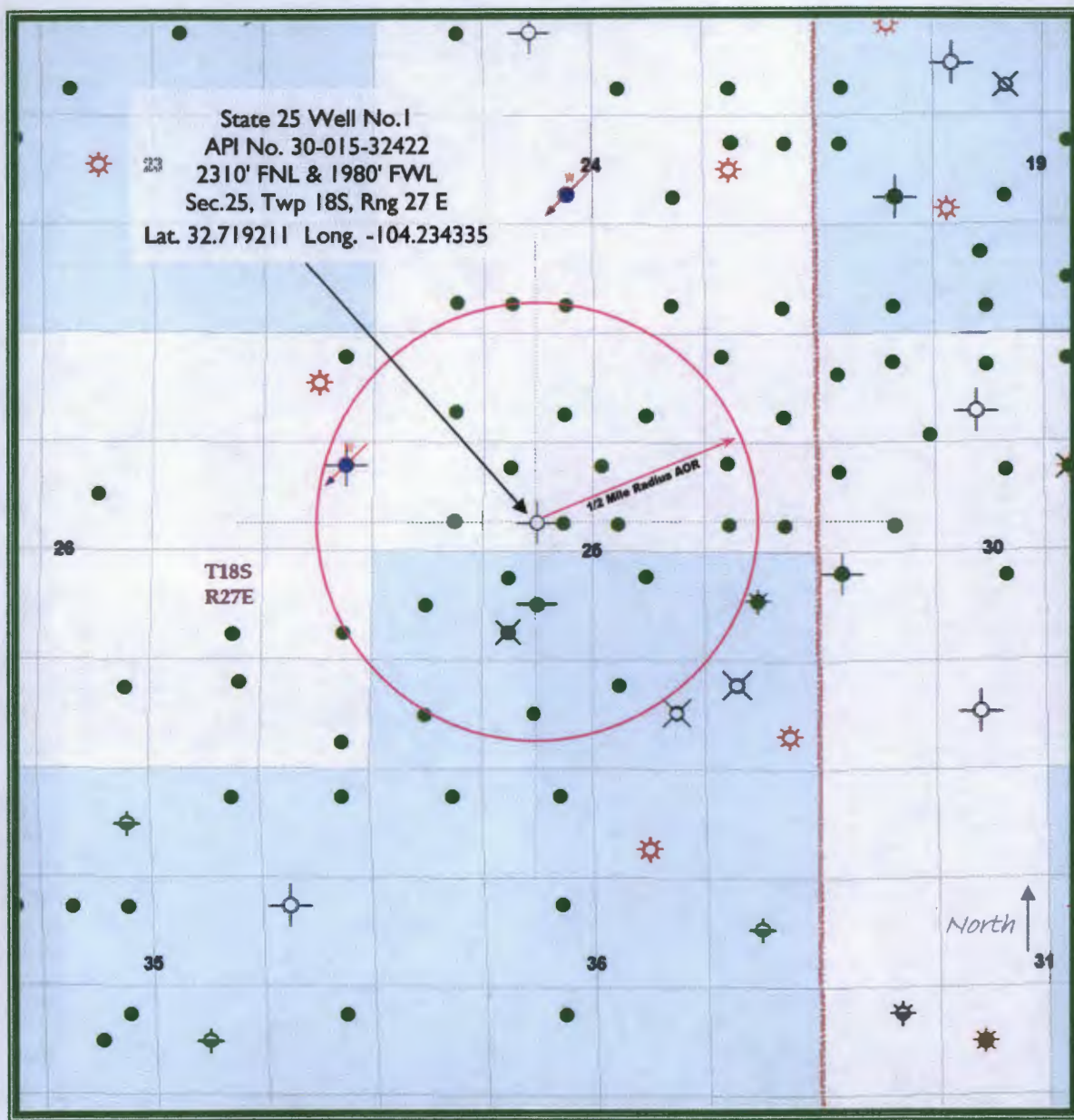
DTD @ 10350'



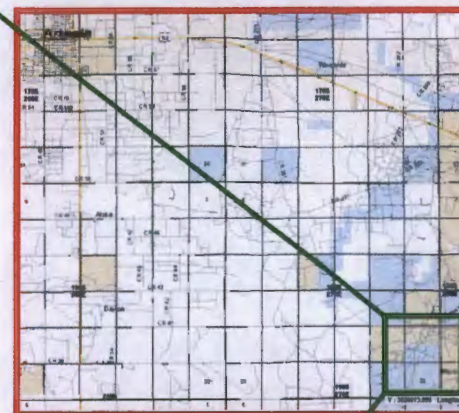
Drawn by: Ben Stone, 11/18/2013

# State 25 Well No.1 - Area of Review / Overview Map

(Attachment to NMOCD Form C-108 - Item V)



~10.0 miles Southeast of  
Artesia, NM



Eddy County, New Mexico



**RAY WESTALL OPERATING, INC.**



# Form C-108 Item VI - Tabulation of AOR Wells

Depth to Top of Proposed  
WOLFCAMP Injection Interval 7334'

Wells which PENETRATE  
Proposed Injection Zone. <NONE>

API Well No.	Current Operator	Well Name	Well No.	Type	Lease	Status	UL	STR	Total Depth
<b><u>SECTION 25 WELLS</u></b>									
<b><u>Subject Well</u></b>									
30-015-32422	[215256] PAR MINERALS CORP.	STATE 25	#001	Gas	State	Plugged, Site Released	F	25-18S-27E	10350'
								SEE PLUGGING SCHEMATIC	
<b><u>Other AOR Wells</u></b>									
30-015-01194	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#029	Oil	State	Active	B	25-18S-27E	2050'
								DOES NOT PENETRATE	
30-015-01192	[20451] SDX RESOURCES INC	ARTESIA METEX UNIT	#028	Injection	State	Plugged, Site Released	C	25-18S-27E	2040'
								DOES NOT PENETRATE	
30-015-00951	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#027	Oil	State	Active	D	25-18S-27E	2040'
								DOES NOT PENETRATE	
30-015-00952	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#036	Oil	State	Active	E	25-18S-27E	2001'
								DOES NOT PENETRATE	
30-015-00950	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#038	Oil	State	Active	F	25-18S-27E	2025'
								DOES NOT PENETRATE	
30-015-27193	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#065	Oil	State	Active	F	25-18S-27E	2210'
								DOES NOT PENETRATE	
30-015-00948	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#039	Oil	State	Active	G	25-18S-27E	2015'
								DOES NOT PENETRATE	
30-015-27158	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#063	Oil	State	Active	G	25-18S-27E	2320'
								DOES NOT PENETRATE	
30-015-00954	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#040	Injection	State	Active	H	25-18S-27E	2123'
								DOES NOT PENETRATE	
30-015-27192	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#064	Oil	State	Active	H	25-18S-27E	2180'
								DOES NOT PENETRATE	
30-015-00955	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#047	Oil	State	Active	J	25-18S-27E	2006'
								DOES NOT PENETRATE	

### Form C-108 Item VI - Tabulation of AOR Wells (cont.)

API Well No.	Current Operator	Well Name	Well No.	Type	Lease	Status	UL	STR	Total Depth
30-015-00953	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#046	Oil	State	Active	K	25-18S-27E	2151'
									<u>DOES NOT PENETRATE</u>
30-015-00949	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#059	Oil	State	Active	K	25-18S-27E	11208'*
									<u>*See attached notes for well: Originally P&amp;A'd. 5-1/2" pulled &amp; Cement plugs set. Reenter and C/O to 2450'. DOES NOT PENETRATE</u>
30-015-27194	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#066	Oil	State	Active	K	25-18S-27E	2200'
									<u>DOES NOT PENETRATE</u>
30-015-00959	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#045	Injection	State	Active	L	25-18S-27E	2122'
									<u>DOES NOT PENETRATE</u>
30-015-00960	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#052	Injection	State	Active	M	25-18S-27E	2020'
									<u>DOES NOT PENETRATE</u>
30-015-00957	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#053	Oil	State	Active	N	25-18S-27E	2000'
									<u>DOES NOT PENETRATE</u>
30-015-00956	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#054	Injection	State	Active	O	25-18S-27E	2014'
									<u>DOES NOT PENETRATE</u>
<b><u>SECTION 24 WELLS</u></b>									
30-015-00947	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#017	Oil	State	Active	N	24-18S-27E	2035'
									<u>DOES NOT PENETRATE</u>
30-015-00946	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#018	Oil	State	Active	N	24-18S-27E	2068'
									<u>DOES NOT PENETRATE</u>
<b><u>SECTION 26 WELLS</u></b>									
30-015-00963	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#035	Injection	State	Active	H	26-18S-27E	1986'
									<u>DOES NOT PENETRATE</u>
30-015-01190	[269864] CANYON E & P COMPANY	ARTESIA METEX UNIT	#044	Oil	State	Active	I	26-18S-27E	2030'
									<u>DOES NOT PENETRATE</u>

## C-108 - Item VI

### Wells in AOR

#### Data and Info for Specific AOR Well

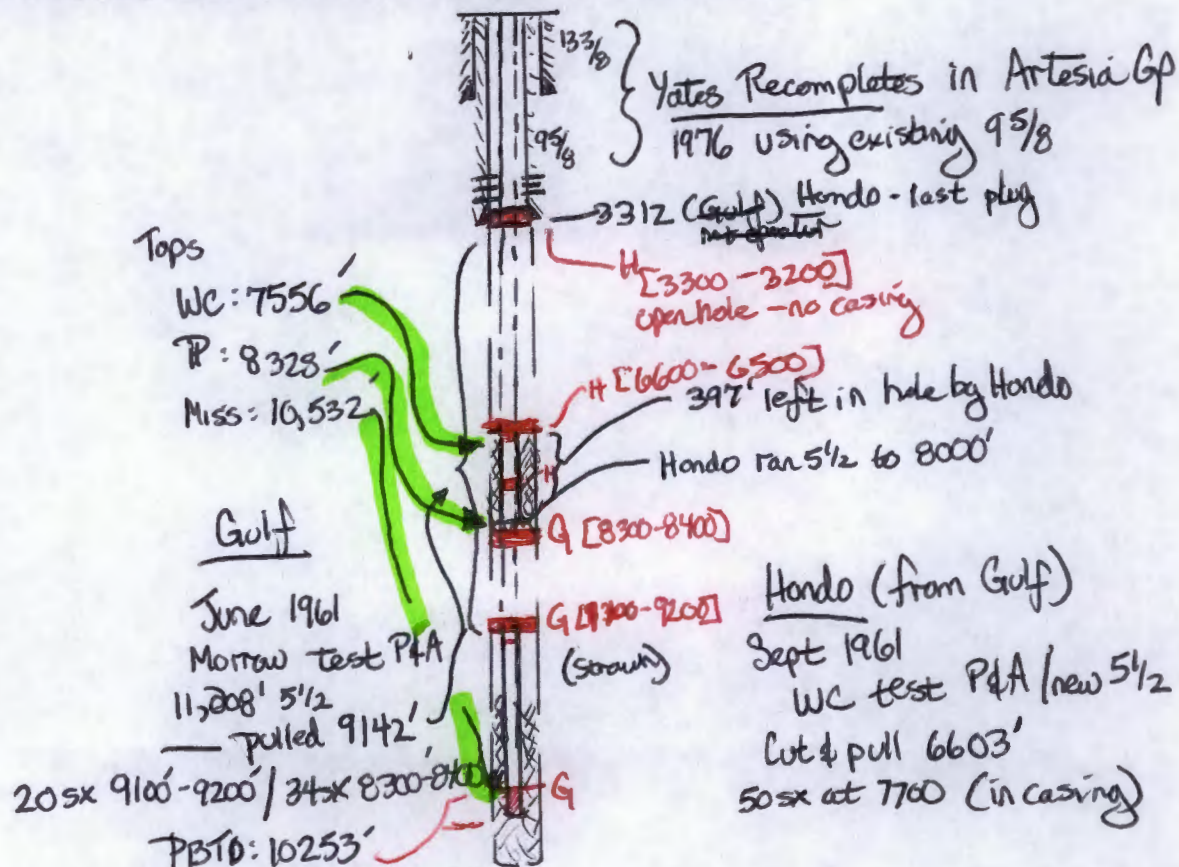
30-015-00949

Artesia Metex Unit Well No.59

This well was originally drilled to 11208' as a Morrow gas producer. The well was plugged in August 1961. It was circulated with heavy plugging mud and several cement plugs were set at appropriate depth. In 1976, Yates Drilling Company reentered the well and completed it as a Grayburg producer, as with all other wells in the area.

For all intents and purposes, the effective TD of the well is now shown as 2450'. The completion report after the reentry shows a PBTD of 3000', still not penetrating the subject intervals of this application.

The original plugging sundry and the completion report follow.



## NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103  
(Rev 2-55)

## MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office or per Commission Rule 1106)

Name of Company <b>Hondo-Western-Yates</b>		Address <b>Box 129, Artesia, New Mexico</b>	
Lease <b>State 'CI'</b>	Unit No. <b>1</b>	Unit Letter <b>K</b>	Section, Township, Range <b>25 18-S 27-E</b>
Date Work Performed <b>6-27-61</b>	Pool <b>Wildcat</b>	Name <b>Eddy</b>	

THIS IS A REPORT OF WORK DONE ON A WELL

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☐ Other (Explain)
- ☒ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used and results obtained:

As per our C-102 dated 6-26-61 the following is the plugging detail.

Pulled 6603' of 5-1/2" OD Casing.

With a pump truck the following plugs were set with heavy drilling mud between each plug.

50 sk. plug set at 7700'  
 25 sk. plug set at 6600'  
 25 sk. plug set at 3300'  
 25 sk. plug set at surface with marker.

Witnessed by <b>A. J. Deans</b>	Position <b>Dist. Prod. Supt.</b>	Company <b>Hondo Oil &amp; Gas Company</b>
------------------------------------	--------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

## ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Horizons		

## RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

9-1-61

Approved by *W. A. Grant*

Title **Oil & Gas Inspector**

*A. J. Deans by [Signature]*

Position **Dist. Prod. Supt.**

Date **SEP 5 1961**

Hondo Oil &amp; Gas Company

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

Form C-105  
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5a. Indicate Type of Lease  
State ☒ ☐  
5. State Oil & Gas Lease No.  
648-131

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		MAY 24 1976		7. Unit Agreement Name Artesia Metex Unit	
b. TYPE OF COMPLETION NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RES. <input type="checkbox"/>		E.C.C. Re-entry		8. Farm or Lease Name	
2. Name of Operator Yates Drilling Company				9. Well No. 59	
3. Address of Operator 207 So. 4th St., Artesia, NM 88210				10. Field and Pool, or Wildcat Artesia	
4. Location of Well UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE AND 2008.6 FEET FROM West 25 18S 27E				11. County Eddy	
15. Date Spudded Re-entry 3-30-76	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.) 4-9-76	18. Elevations (DF, RKB, RT, GR, etc.) 3550.3 GR	19. Elev. Casinghead	
20. Total Depth 11208'	21. Plug Back T.D. 3000'	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
24. Producing Interval(s), of this completion -- Top, Bottom, Name 1891-2018 Grayburg				25. Was Directional Survey Made No	
26. Type Electric and Other Logs Run GR - CCL				27. Was Well Cored No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	527	17 1/2	Circ	----
9-5/8	36	3312	12 1/2	780 sks	----
<del>5 1/2</del>	<del>27 1/2</del>	<del>10312</del>	<del>8 3/4</del>	<del>385</del>	<del>6000</del>
29. LINER RECORD			30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET
				2-3/8	1900
31. Perforation Record (Interval, size and number) 2 shots/ft 1891-95, 1901-09, 1939-40, 1942-47, 1949-53, 1967-72, 1984-88, 2009-12, 2014-18.			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
			DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
			1939-2018	1250 HCL, 30000*, 12500# sd	
			1891-1909	500 HCL, 10000*, 7500# sd	
			* gallons of gelled wtr.		
33. PRODUCTION					
Date First Production 4-9-76	Production Method (Flowing, gas lift, pumping - Size and type pump) Pump 1 1/2"			Well Status (Prod. or Shut-in) Producing	
Date of Test 4-14-76	Hours Tested 24	Choke Size --	Prod'n. For Test Period 56	Oil - Bbl. TSTM	Gas - MCF 0
Flow Tubing Press. --	Casing Pressure --	Calculated 24-Hour Rate 56	Oil - Bbl. TSTM	Gas - MCF 0	Water - Bbl. 38
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Fuel				Test Witnessed By Von Colvin	
35. List of Attachments					
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.					
SIGNED <i>Raymond Yates</i>		TITLE Engineer		DATE 5/22/76	

## C-108 ITEM VII – PROPOSED OPERATION

The State 25 No.1 SWD will be operated as a commercial disposal service to area operators to facilitate in disposal of produced water from typical producing formations in the area. (Samples are included in this application from San Andres, Delaware and Morrow formation waters - chlorides and TDS are relative compatible with Wolfcamp and Canyon waters.)

The system will be closed utilizing a tank battery facility located on the well site.

Injection pressure will be 1466 psi with rates limited only by that pressure. In the future, Ray Westall Operating, Inc. may opt to conduct a step rate test if it is determined that greater rates may be required. This would be submitted to OCD as a request to increase the injection pressure.

Routine maintenance will be ongoing and any releases will be reported within 24 hours to OCD on form C-141 pursuant to various portions of 19.15.30 NMAC.

The facility will not be manned but will be available to Ray Westall's customers 24/7. The facility will be available for inspections at any time deemed necessary by OCD.

Rates?  
- based on pressure

# C-108 - Item VII.5

## Water Analysis - Disposal Zone



## Water Analysis

Date: 2/24/2005

2401 Shady, Artesia NM 88210

Phone (505) 746-3140 Fax (505) 746-3293

### Analyzed For

Well	State	City	New Mexico
Westall	State	City	New Mexico

### Sample Source

### Sample #

1

### Formation

### Canyon

### Depth

Specific Gravity

1.880

SG @ 60 °F

1.081

pH

6.30

Sulfides

Not Tested

Temperature (°F)

65

Reducing Agents

Not Tested

### Cations

Sodium (Calc)	in Mg/L	9,518	in PPM	9,096
Calcium	in Mg/L	8,800	in PPM	8,320
Magnesium	in Mg/L	248	in PPM	228
Soluble Iron (FE2)	in Mg/L	308.0	in PPM	288

### Anions

Chlorides	in Mg/L	24,800	in PPM	22,835
Sulfates	in Mg/L	2,000	in PPM	1,803
Bicarbonates	in Mg/L	185	in PPM	175
Total Hardness (as CaCO3)	in Mg/L	18,000	in PPM	14,272
Total Dissolved Solids (Calc)	in Mg/L	41,844	in PPM	39,813
Equivalent NaCl Concentration	in Mg/L	38,410	in PPM	36,846

### Scaling Tendencies

\*Calcium Carbonate Index 1,838,484

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

\*Calcium Sulfate (Gyp) Index 11,200,000

Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable

\*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks FAX 677-2361

# C-108 - Item VII.4

Water Analysis - Source Water - SAN ANDRES

## B J Services Water Analysis

Artesia District Laboratory  
(505)-746-3140

Date: 6-Nov-00 Test #:   
Company: SDX Resources Well #:   
Lease: Chalk Federal #2 County: El Paso   
State: N.M. Formation: San Andres   
Depth: 2800 Source:

pH: 8.51 Temp (F): 88.9  
Specific Gravity: 1.02

CATIONS	mg/l	mmol	ppm
Sodium (calc.)	64802	2370.7	40002
Calcium	3308	160.1	2884
Magnesium	1458	120.0	1382
Barium	< 25	---	---
Potassium	< 10	---	---
Iron	3	0.1	2

ANIONS	mg/l	mmol	ppm
Chloride	93000	2023.4	83038
Sulfate	1071	22.3	967
Carbonate	< 1	---	---
Bicarbonate	878	14.4	784
Total Dissolved Solids (calc.)	154120		137607
Total Hardness as CaCO <sub>3</sub>	14014	280.0	12513

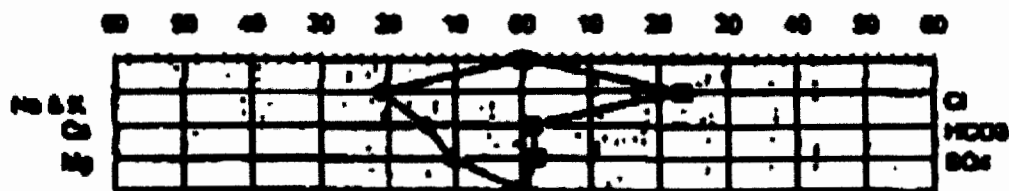
### COMMENTS:

Res = 0.0847 @ 51.1 deg.

### SCALE ANALYSIS:

CaCO<sub>3</sub> Factor 2817807 Calcium Carbonate Scale Probability → Probable  
CaSO<sub>4</sub> Factor 3849800 Calcium Sulfate Scale Probability → Remote

### SDR Plot



# C-108 - Item VII.4

## Water Analysis - Source Water - DELAWARE



## Water Analysis

Date: 11-Jan-05

2700 West County Road, Hobbs NM 88240

Phone (505) 392-5556 Fax (505) 392-7307

### Analyzed For

Devon	Spud 16 State #1	Lee	New Mexico
-------	------------------	-----	------------

Sample Source	Sample	Sample #	1
Formation	Depth		
Specific Gravity	1.186	SG @ 60 °F	1.186
pH	8.98	Sulfides	Absent
Temperature (°F)	68	Reducing Agents	

### Cations

Sodium (Calc)	in Mg/L	73,885	in PPM	81,868
Calcium	in Mg/L	34,888	in PPM	38,438
Magnesium	in Mg/L	5,048	in PPM	4,214
Soluble Iron (FE2)	in Mg/L	88.9	in PPM	42

### Anions

Chlorides	in Mg/L	188,888	in PPM	187,181
Sulfates	in Mg/L	888	in PPM	488
Bicarbonates	in Mg/L	78	in PPM	85
Total Hardness (as CaCO3)	in Mg/L	188,888	in PPM	88,628
Total Dissolved Solids (Calc)	in Mg/L	381,783	in PPM	282,288
Equivalent NaCl Concentration	in Mg/L	284,733	in PPM	212,888

### Scaling Tendencies

\*Calcium Carbonate Index 2,884,728

Below 800,000 Remote / 800,000 - 1,000,000 Possible / Above 1,000,000 Probable

\*Calcium Sulfate (Gyp) Index 18,788,888

Below 800,000 Remote / 800,000 - 10,000,000 Possible / Above 10,000,000 Probable

\*This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks rm-.040@831

## C-108 - Item VII.4

## Water Analysis - Source Water - MORROW



HALLIBURTON

CENTRAL OPERATIONS LABORATORY  
 WATER ANALYSIS REPORT  
 MORROW, NEW MEXICO

COMPANY Morco  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

REPORT WD3-128  
 DATE June 18, 2002  
 DISTRICT Hobbs

SUBMITTED BY Jim Trelo

WELL Ruger Bl. #1 DEPTH \_\_\_\_\_ FORMATION \_\_\_\_\_  
 COUNTY \_\_\_\_\_ FIELD \_\_\_\_\_ SOURCE \_\_\_\_\_

SAMPLE Morrow Prod. Water

Sample Temp.	<u>84</u>	°F	_____	°F	_____	°F	_____	°F
RESISTIVITY	<u>0.13</u>		_____		_____		_____	
SPECIFIC GR.	<u>1.040</u>		_____		_____		_____	
pH	<u>8.30</u>		_____		_____		_____	
CALCIUM	<u>4.800</u>	mg/l	_____	mg/l	_____	_____	mg/l	mg/l
MAGNESIUM	<u>6.500</u>	mg/l	_____	mg/l	_____	_____	mg/l	mg/l
CHLORIDE	<u>34.800</u>	mg/l	_____	mg/l	_____	_____	mg/l	mg/l
SULFATES	<u>8.00</u>	mg/l	_____	mg/l	_____	_____	mg/l	mg/l
BICARBONATES	<u>10</u>	mg/l	_____	mg/l	_____	_____	mg/l	mg/l
SOLUBLE IRON	<u>0</u>	mg/l	_____	mg/l	_____	_____	mg/l	mg/l
Sodium	_____	mg/l	<u>0</u>	mg/l	<u>0</u>	mg/l	<u>0</u>	mg/l
TDS	_____	mg/l	<u>0</u>	mg/l	<u>0</u>	mg/l	<u>0</u>	mg/l
OIL GRAVITY	<u>0</u>	°F	<u>0</u>	°F	<u>0</u>	°F	<u>0</u>	°F

## REMARKS

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

MP/L = Milligrams per Liter  
 Positively measured by: Chas. Smith

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management. It may, however, be used in the course of regular business operations by any person or persons and employees thereof receiving such report from Halliburton Co.

ANALYST: Mike Armstrong

## **C-108 - Item VIII**

### **Geological Data**

The Wolfcamp is a light gray-brown fine to medium crystalline fossiliferous limestone with inter-crystalline vugular porosity interbedded with gray shale. Additional porosity can be found when the well bore encounters detrital carbonates which were shed off shelf and foreslope areas and transported down the Wolfcamp paleoslope.

The Cisco Formation (Upper Penn) similar to the Wolfcamp is a gray micritic (fine grained) fossiliferous limestone with vugular porosity. The reservoirs in this area are usually limited in size with up dip porosity loss due to shelf margin carbonate build up.

The combined zones offer good porosity in the proposed injection interval located from 7334' to 9324' with very good porosity interspersed throughout the overall interval.



## New Mexico Office of the State Engineer

# Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)					(R=POD has been replaced and no longer serves this file. C=the file is closed)		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)									
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q	q	q	Sec	Tws	Rng	X	Y
L 01247	L	DOM	3	GULF OIL CORPORATION	LE	L 01247		1	4	2	24	18S	27E		572451	3622220*
RA 07935		STK	1.34	BOGLE FARMS	ED	RA 07935		3	3	26	18S	27E			570329	3620335*

Record Count: 2

PLSS Search:

Section(s): 23-26, 35, 36 Township: 18S Range: 27E

Sorted by: File Number**NOTE: NEITHER WELL IS LOCATED WITHIN ONE MILE OF THE SUBJECT WELL.**

(acre ft per annum)					C=the file is closed)		(quarters are smallest to largest) (NAD83 UTM in meters)								
WR File Nbr	Sub		Diversion	Owner	County	POD Number	Code Grant	q q q			X	Y			
	basin	Use						Source	6416 4	Sec			Tws	Rng	
RA 08239		STK	1.8	BOGLE FARMS	CH	RA 08239			1	1	30	18S	28E	572964	3620912*

Record Count: 1

PLSS Search:

Section(s): 19, 30, 31 Township: 18S Range: 28E

Sorted by: File Number**NOTE: WITHIN ONE MILE OF SUBJECT WELL – ANALYSIS PENDING AND TO BE FORWARDED TO NMOC.**

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

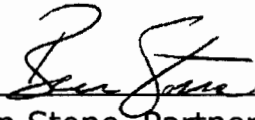
11/18/13 2:51 PM

Page 1 of 1

ACTIVE &amp; INACTIVE POINTS OF DIVERSION

## C-108 ITEM XII – GEOLOGIC AFFIRMATION

We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.

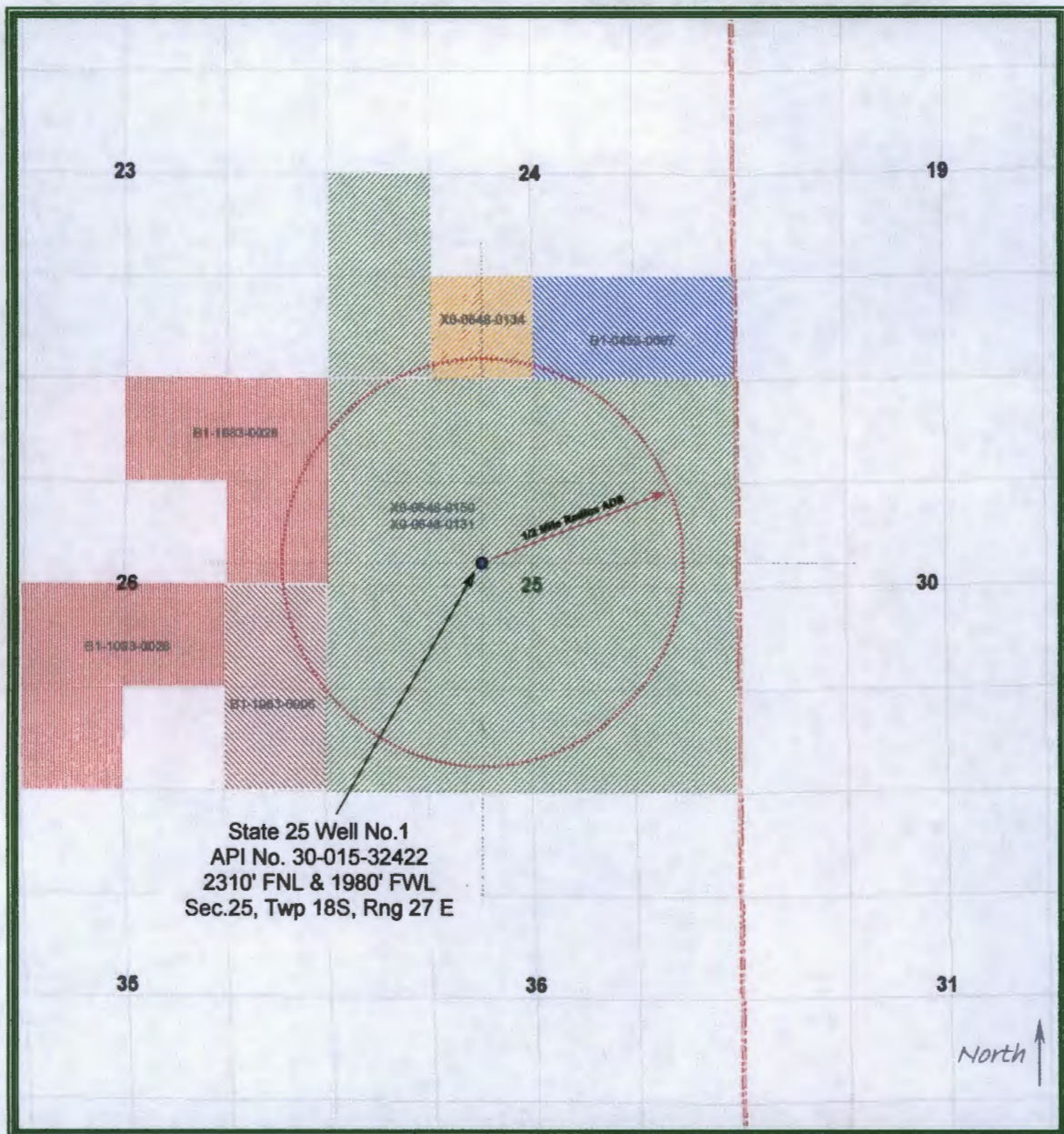
A handwritten signature in black ink, appearing to read "Ben Stone", is written over a horizontal line.

Ben Stone, Partner  
SOS Consulting, LLC

Project: Ray Westall Operating, Inc.  
State 25 No.1  
Reviewed 11/19/2013

# State 25 Well No.1 - Leasehold Plat

(Attachment to NMOCD Form C-108, Application for Authority to Inject.)



**RAY WESTALL OPERATING, INC.**

## LEGEND

- X0-0648-0150 - Khody Land & Minerals Company
- X0-0648-0131 - Marathon Oil Company
- B1-0453-0007 - Vilas P. Sheldon Trust
- B1-1083-0006 - Yates Brothers
- B1-1083-0028 - Lobos Energy Partners & Marathon Oil
- X0-0648-0134 - OXY Y-1 Company

**C-108 ITEM XIII – PROOF OF NOTIFICATION  
INTERESTED PARTIES LIST**

**SURFACE OWNER**

STATE OF NEW MEXICO (FedEx'ed copy)  
Oil, Gas and Minerals Division  
310 Old Santa Fe Trail  
Santa Fe, NM 87504

**OFFSET MINERALS LESSEES and OPERATORS (All Notified via USPS Certified Mail)**

**State Lease X0-0648-0150**

***Lessee***

- 1 KHODY LAND AND MINERALS COMPANY  
Attn: Ken Hammonds  
210 Park Avenue, Ste., 900  
Oklahoma City, OK 73102

***Operator***

- 2 CANYON EXPLORATION & PRODUCTION  
4925 Greenville Ave., Suite 900  
Dallas, TX 75206

**State Lease X0-0648-0131**

***Lessee***

- 3 MARATHON OIL COMPANY  
P.O. Box 2069  
Houston, TX 77252-2069

***Operator***

- 4 QUANTUM RESOURCES MANAGEMENT, LLC  
1401 McKinney St., Suite 2400  
Houston, TX 77010

**State Lease B1-0453-0007**

***Lessee***

- 5 VELAS P. SHELDON TRUST  
Attn: Gary Allen Lee, Trustee  
P. O. Box 1872  
Kingsland, TX 78639

***Operator***

CANYON EXPLORATION & PRODUCTION  
4925 Greenville Ave., Suite 900  
Dallas, TX 75206

**C-108 ITEM XIII – PROOF OF NOTIFICATION  
INTERESTED PARTIES LIST (cont.)**

**State Lease B1-1083-0006**

***Lessee***

- 6 YATES BROTHERS  
105 South 4th St.  
Artesia, NM 88201

***Operator***

CANYON EXPLORATION & PRODUCTION  
4925 Greenville Ave., Suite 900  
Dallas, TX 75206

**State Lease B1-1083-0028**

***Lessee***

- 7 LOBOS ENERGY PARTNERS & MARATHON OIL COMPANY  
P. O. Box 2236  
Midland, TX 79702-2236

***Operator***

- 8 YATES PETROLEUM COMPANY  
105 South 4th St.  
Artesia, NM 88201

**State Lease X0-0648-0134**

***Lessee***

- 9 OXY 1-Y COMPANY  
PO Box 1188  
Houston, TX 77251

**REGULATORY**

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed original and copy)  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed copy)  
811 S. First St.  
Artesia, NM 88210

NEW MEXICO STATE LAND OFFICE (FedEx'ed copy)  
Commissioner of Public Lands  
310 Old Santa Fe Trail  
Santa Fe, NM



November 18, 2013

**NOTIFICATION TO INTERESTED PARTIES**  
**via U.S. Certified Mail**

To Whom It May Concern:

Ray Westall Operating, Inc., Loco Hills, New Mexico, has made application to the New Mexico Oil Conservation Division to reenter and configure for salt water disposal its State 25 Well No.1. The proposed commercial operation will be for produced water disposal from area operators. As indicated in the notice below, the well is located in Section 25, Township 18 South, Range 27 East in Eddy County, New Mexico.

The published notice states that the bottom of the interval will be no deeper than 9324 feet. The uppermost top of the interval will be 7334 feet.

Following is the notice published in the Artesia Daily Press, Artesia, New Mexico during the week of November 18, 2013.

**LEGAL NOTICE**

Ray Westall, Inc., P.O. Box 4, Loco Hills, NM 88255 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to reenter and permit for salt water disposal its State 25 Well No.1. The well, API No.30-015-32422 is located 2310 FNL & 1980 FWL in Section 25, Township 18 South, Range 27 East in Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Wolfcamp and Cisco Canyon formations through an openhole completion from a maximum applied for top of 7334 feet (bottom of casing) to maximum depth of 9324 feet. Specific perforated intervals will be determined later. Maximum injection pressure of 1466 psi and a maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505) 476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850 or, email [info@sosconsulting.us](mailto:info@sosconsulting.us).

***You have been identified as a party who may be interested as an offset lessee or operator.***

You are entitled to a full copy of the application. If so desired, please call or email SOS Consulting, LLC at 903-488-9850, [info@sosconsulting.us](mailto:info@sosconsulting.us), and a copy will be expedited to you. If a copy has already been sent to you or your company, we will advise you of that and the address to which it was sent.

Thank you for your attention in this matter.

Best regards,

A handwritten signature in black ink, appearing to read "Ben Stone". The signature is fluid and cursive, with the first name "Ben" and last name "Stone" clearly distinguishable.

Ben Stone, SOS Consulting, LLC  
Agent for Ray Westall Operating, Inc.

Cc: Application File

### Proof of Notice (Certified Mail Receipts)

U.S. Postal Service<sup>TM</sup>  
**CERTIFIED MAIL<sup>TM</sup> RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.11

Postmark  
Here

Sent To  
CANYON E & P COMPANY  
Street, Apt. No.;  
or PO Box No. 4925 Greenville Ave., Suite 900  
City, State, ZIP+4 Dallas, TX 75206

PS Form 3800, August 2006 See Reverse for Instructions

Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.11

Sent To  
QUANTUM RSRCS MGT, LLC  
Street, Apt. No.;  
or PO Box No. 1401 McKinney St., Suite 2400  
City, State, ZIP+4 Houston, TX 77010

PS Form 3800, August 2006 See Reverse for Instructions

Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.11

Sent To  
YATES BROTHERS  
Street, Apt. No.;  
or PO Box No. 105 South 4th St.  
City, State, ZIP+4 Artesia, NM 88201

PS Form 3800, August 2006 See Reverse for Instructions

Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.11

Sent To  
YATES PETROLEUM COMPANY  
Street, Apt. No.;  
or PO Box No. 105 South 4th St.  
City, State, ZIP+4 Artesia, NM 88201

PS Form 3800, August 2006 See Reverse for Instructions

7012 221

See Reverse for Instructions

Total Postage & Fees \$ 6.41

OXY 1-Y COMPANY

Sent To

PO Box 1188

Street, Apt. No.;  
or PO Box No.


City, State, ZIP+4 Houston, TX 77251

PS Form 3800, August 2006

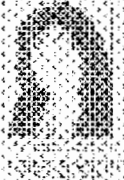
See Reverse for Instructions

# C-108 – Item XIV – Published Notice

Page 10 - The Artesia (NM) Daily Press - November 17, 2013



**Carson**  
REAL ESTATE, INC.  
1000 N. Main St. Suite 100  
Artesia, NM 88203  
Phone: (505) 488-1234  
Fax: (505) 488-1235  
www.carsonre.com




**HOME LOANS**  
From Your Home Team

## LEGAL NOTICE

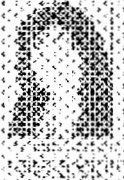
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Published in the Artesia Daily Press, Artesia, N.M., Nov. 17, 2013, Legal No. 22790.



**Carson**  
REAL ESTATE, INC.  
1000 N. Main St. Suite 100  
Artesia, NM 88203  
Phone: (505) 488-1234  
Fax: (505) 488-1235  
www.carsonre.com



**HOME LOANS**  
From Your Home Team



**C-108 Review Checklist:** Received 11/27/13 Add. Request: — Reply Date: — Suspended: — [Ver 12]

**PERMIT TYPE:** WFX / PMX / SWD Number: 1461 Permit Date: 02/17/14 Legacy Permits/Orders: None

Well No. 1 Well Name(s): State 25

API: 30-0 15-32422 Spud Date: 9/24/2002 New or Old: (N) (UIC Class II Primacy 03/07/1982)

Footages 2310 FNL / 1980 FUL Lot — or Unit F Sec 25 Tsp 183 Rge 27E County Eddy

General Location: 40 mi SE of Artesia / Chalk Bluff Pool: [See attached pool sheets] SWD: WC-Penn Pool No.: 96138

BLM 100K Map: Artesia Operator: Bay Westall Operating OGRID: 119305 Contact: Ben Stone

COMPLIANCE RULE 5.9: Inactive Wells: 1 Total Wells: 6 Fincl Assur: OK - District called Compl. Order? No IS 5.9 OK? Date: Yes/2/17/14

WELL FILE REVIEWED ☒ Current Status: P&A - Morrow test - no show for wells as operator

WELL DIAGRAMS: NEW: Proposed ☐ or RE-ENTER: Before Conv. ☒ After Conv. ☒ Logs in Imaging: -Yes / LD-EN-GRE Micro lateral

Planned Rehab Work to Well: Drill out plugs to 9800 / install new prod. casing to 7334 & cmt / add to BP to 9324

Well Construction Details:		Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement (Sx or Cf)	Cement Top and Determination Method
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Conductor					
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Surface		<u>17 1/2 / 13 3/8</u>	<u>0 to 310</u>	<u>100</u>	<u>Circ. to surf</u>
Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Intern/Prod		<u>12 1/4 / 9 5/8</u>	<u>0 to 2380</u>	<u>803 + 63</u>	<u>Circ. to surf</u>
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Prod/Intern		<u>8 1/2 / - 5 1/2 new</u>	<u>0 to 7334</u>	<u>~1000</u>	<u>Circ. to surf</u>
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Liner/Prod		<u>Existing</u>			
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> OH / PERF		<u>8 1/2 OH</u>	<u>7334 - 9324</u>	<u>Inj Length 1990</u>	

Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops?
Adjacent Unit: Litho. Struc. Por.	<u>—</u>	<u>Brushy Canyon</u>	<u>—</u>
Confining Unit: Litho. Struc. Por.	<u>0</u>	<u>Bone Spring</u>	<u>3300</u>
Proposed Inj Interval TOP:	<u>7334</u>	<u>Wolfcamp - Canyon</u>	<u>7334</u>
Proposed Inj Interval BOTTOM:	<u>9324</u>	<u>- Strawn</u>	<u>8830</u>
Confining Unit: Litho. Struc. Por.	<u>+75</u>	<u>Atoka</u>	<u>9450</u>
Adjacent Unit: Litho. Struc. Por.	<u>—</u>	<u>Morrow</u>	<u>9950</u>

Completion/Operation Details:	
Drilled TD <u>10350</u>	PBTD <u>P&amp;A / 8 plugs</u>
NEW TD <u>NA</u>	NEW PBTD <u>9324</u>
NEW Open Hole <input checked="" type="checkbox"/> or NEW Perfs <input type="checkbox"/>	
Tubing Size <u>2 3/8</u> in.	Inter Coated? <u>Yes</u>
Proposed Packer Depth <u>~1350</u> ft	
Min. Packer Depth <u>7234</u> (100-ft limit)	
Proposed Max. Surface Press. <u>1466</u> psi	
Admin. Inj. Press. <u>1467</u> (0.2 psi per ft)	

#### AOR: Hydrologic and Geologic Information

POTASH: R-111-P NA Noticed? NA BLM Sec Ord NA WIPP NA Noticed? NA SALADO: T: — B: — CLIFF HOUSE NA

FRESH WATER: Aquifer Mineral br & alluvial Max Depth <200 1-Mile Wells? 1 FW Analysis NO HYDRO AFFIRM STAT By Qualified Person ☒

Disposal Fluid: Formation Source(s) San Andres / Delaware / Morrow Analysis? Yes On Lease ☐ Operator Only ☐ or Commercial ☒

Disposal Interval: Inject Rate (Avg/Max BWPD): preserved water Available Waters? No CAPITAN REEF: thru ☐ adj ☐ NA ☒

HC Potential: Producing Interval? No Formerly Producing? No Method: Log / DST / P&A / Other — 2-Mile Radius Pool Map ☒

AOR Wells: 1/2-M Radius Map? Yes Well List? Yes Total No. Wells Penetrating Interval: 1 Horizontals? None

Penetrating Wells: No. Active Wells 1 Num Repairs? 0 on which well(s)? 30-015-00949 Diagram? No

Penetrating Wells: No. P&A Wells 0 Num Repairs? 0 on which well(s)? [Plugs checked - OK locations] Diagram? —

NOTICE: Newspaper Date 11/17/2013 Mineral Owner SLO Surface Owner SLO N. Date 11/19/2013

RULE 26.7(A): Identified Tracts? Yes Affected Persons: Knoddy / Lobos Energy / OXY / Yates / Marathon / Sheldon Trust N. Date 11/19/2013

Permit Conditions: Issues: Increased population of WC/P SWDs in area.

Add Permit Cond: Temp survey within 2 years over injection interval

30-015-32422

Eddy

County,

8WD Application

Township 18S Range 27E  
Township 19S Range 27E

Township 18S Range 28E  
Township 19S Range 28E

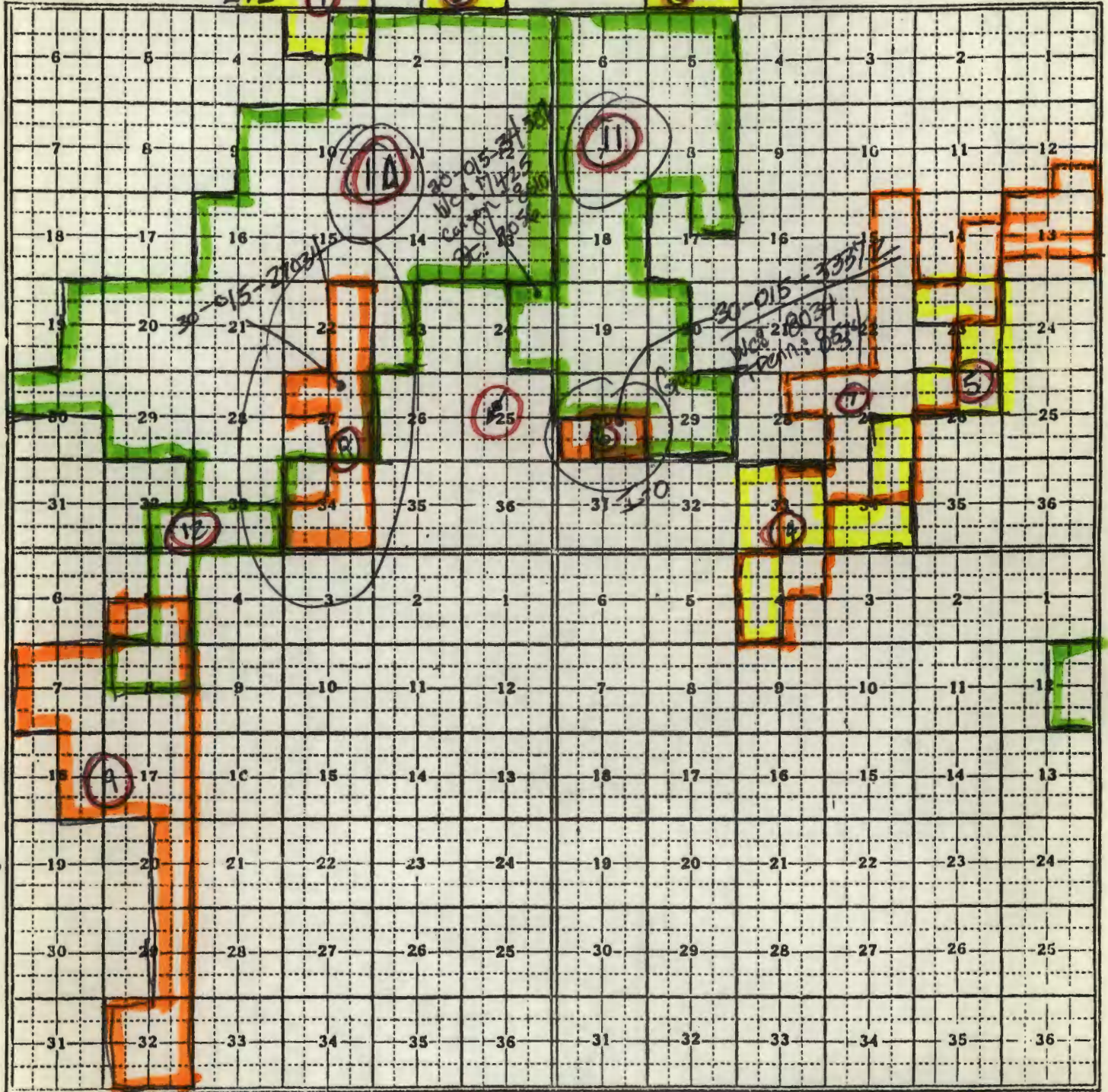
Form 104--(Four on Township)

27E ①

②

③

28E



WC - Wolfcamp

Canyon

Strawn

⑨ McMillan's Upper Penn (Gas)

⑩ Hoka; Penn (Gas)

⑪ Red Lake; Penn

⑫ Four Mile; Strawn

① Chalk Bluff; Wolfcamp

② Logan Draw; WC

③ Empire; WC

⑥ Illinois Camp; Canyon

⑦ Travis; Canyon (Upper Penn)

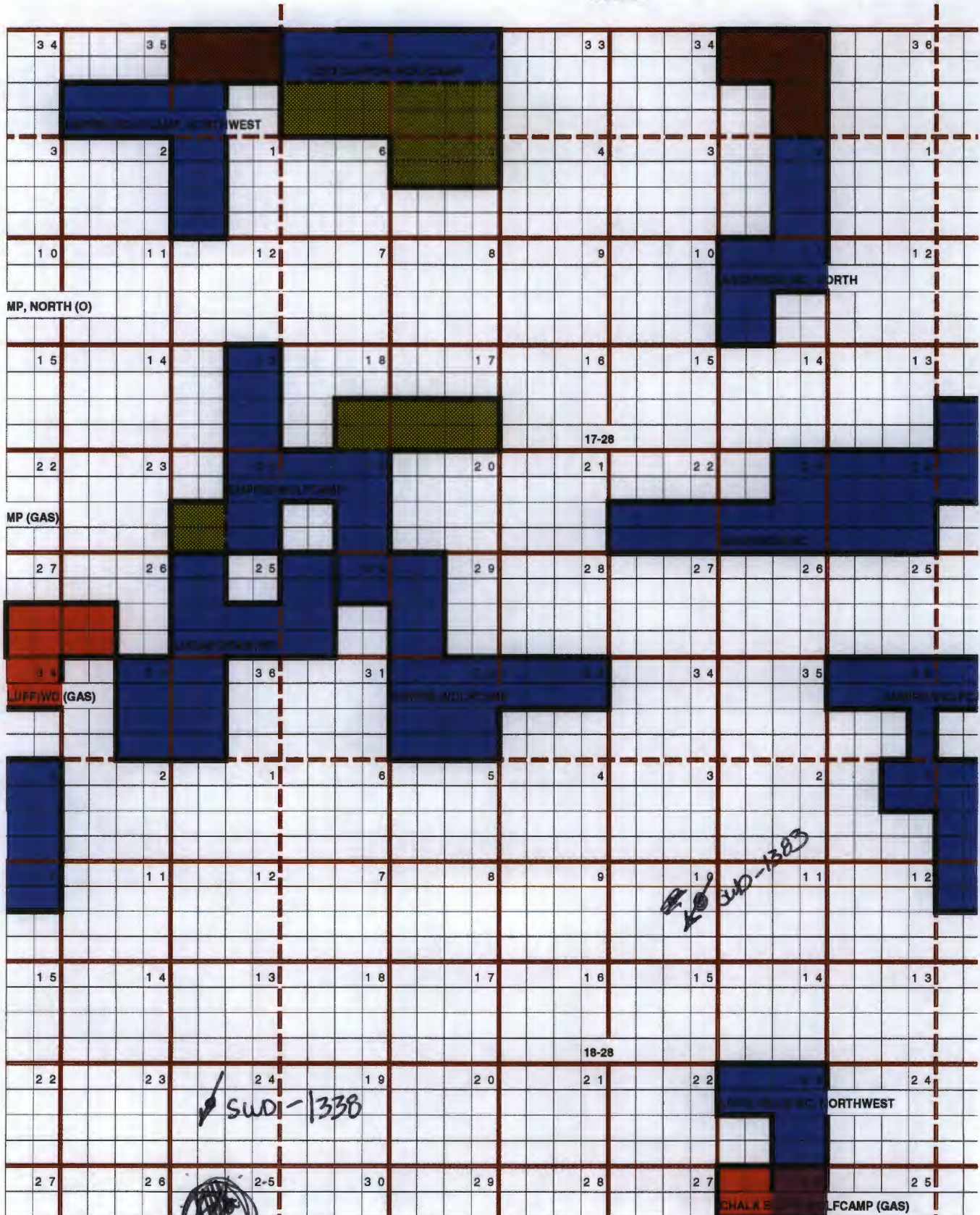
⑤ Iron Hills NW; WC

East

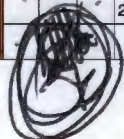
Penn (Gas)

State 25 Well #1 / SWD

R 28 E



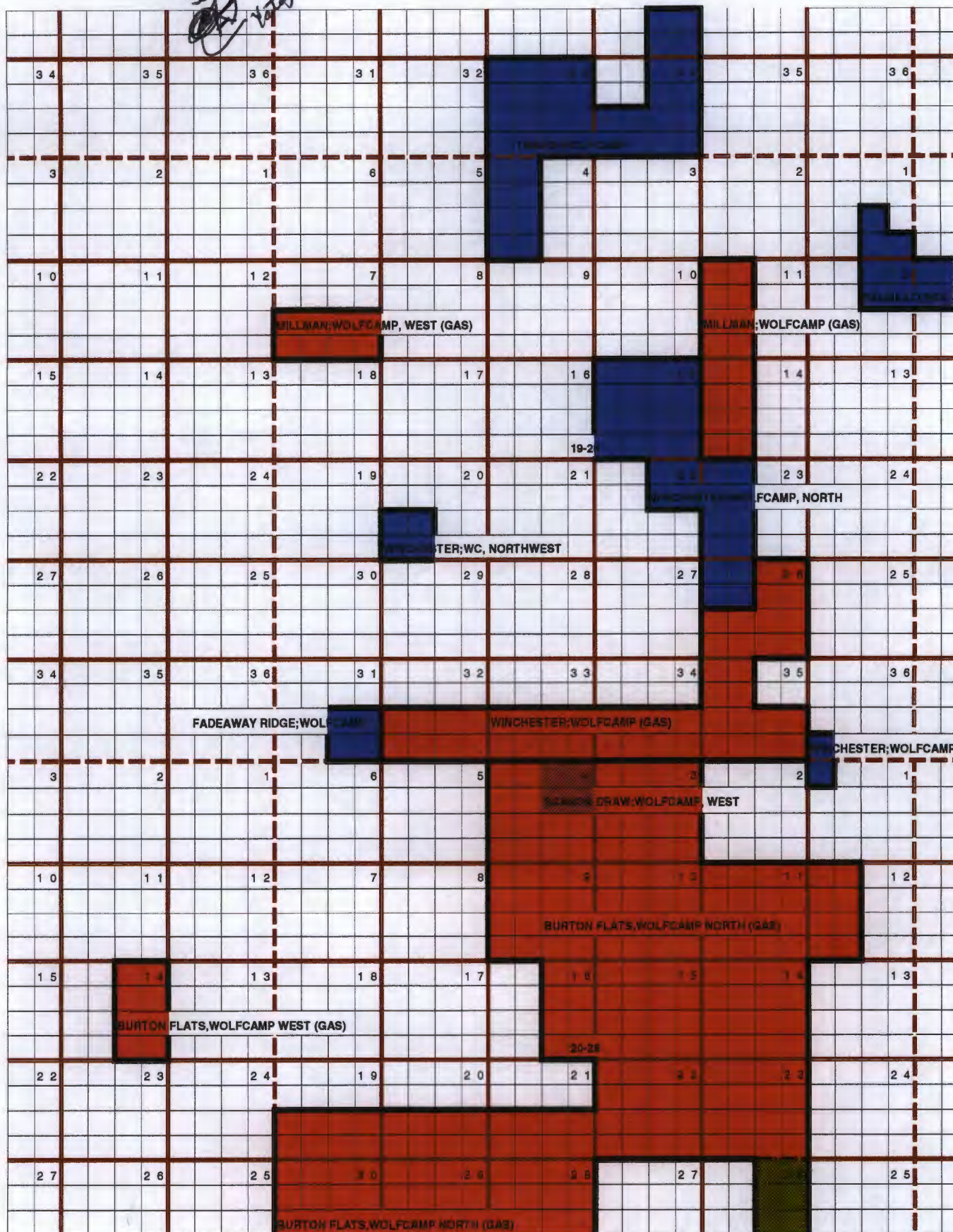
18-27



Wolfcamp Rocks 1 of 2

18-27  
State 25 Well # / SWD

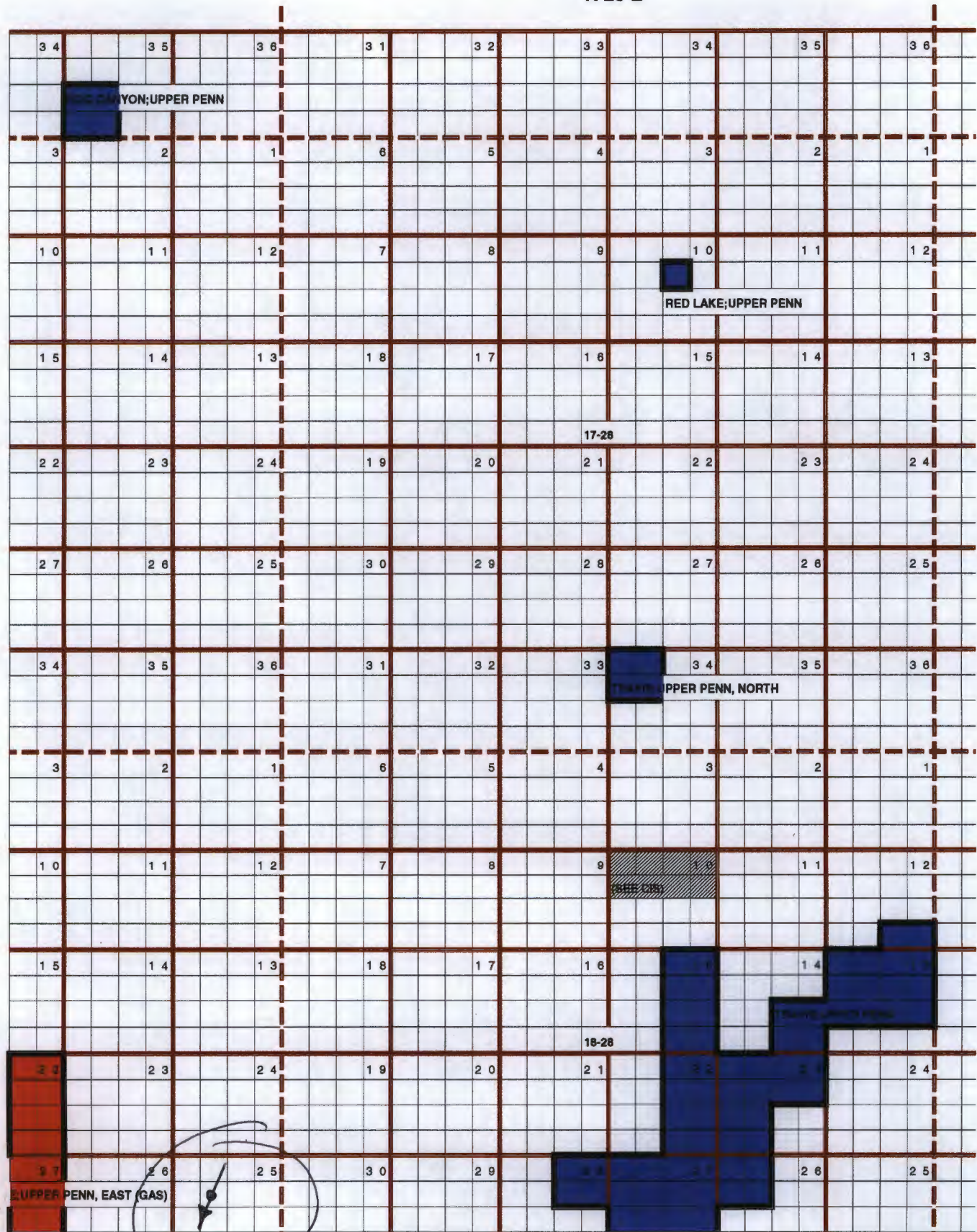
State 25 Well # / SWD



Wolfcamp Pds 2 of 2

State 25 Well #1 / SWD

R 28 E



18-27

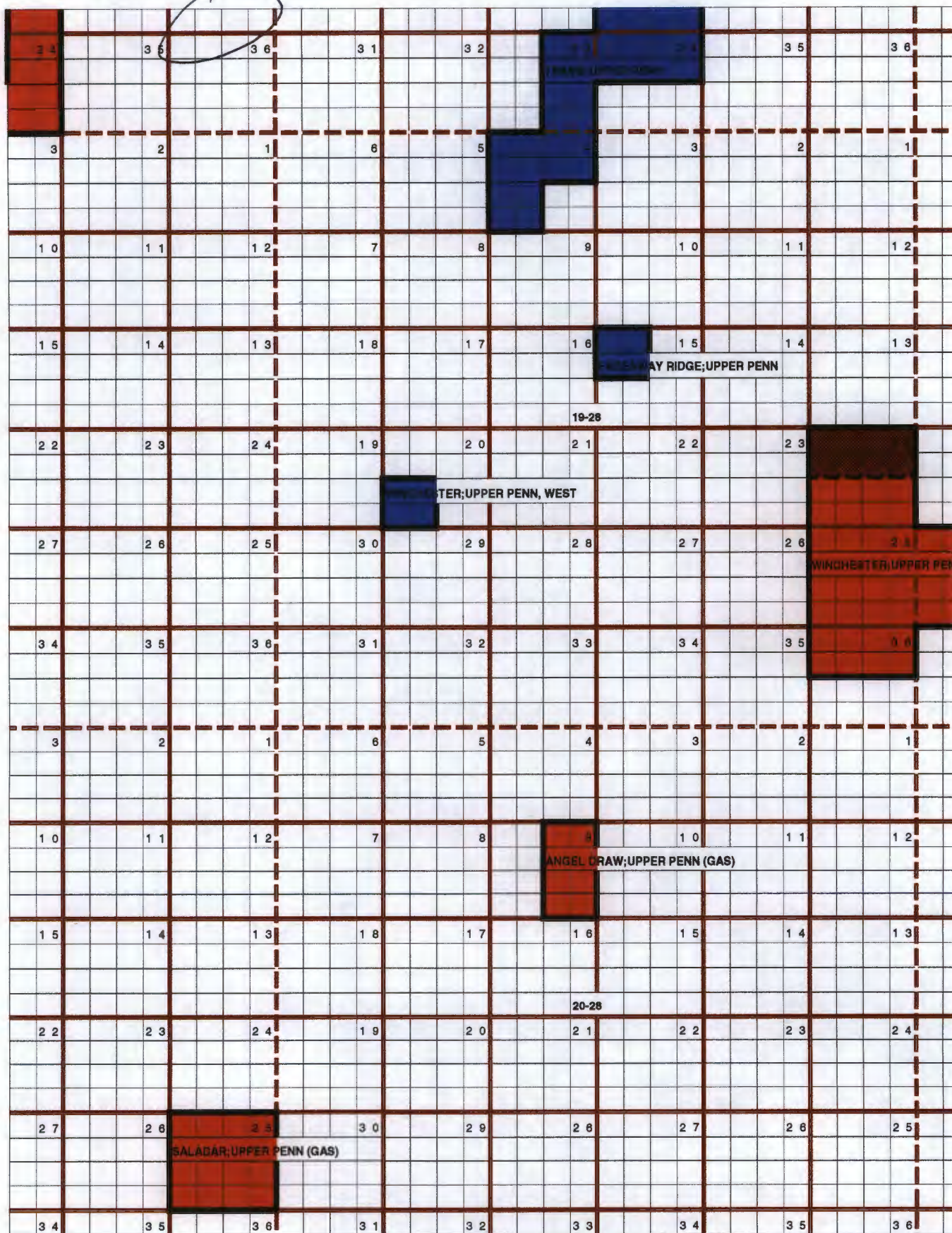
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1 of 2

18-27

State 25 well #1

/ SWD

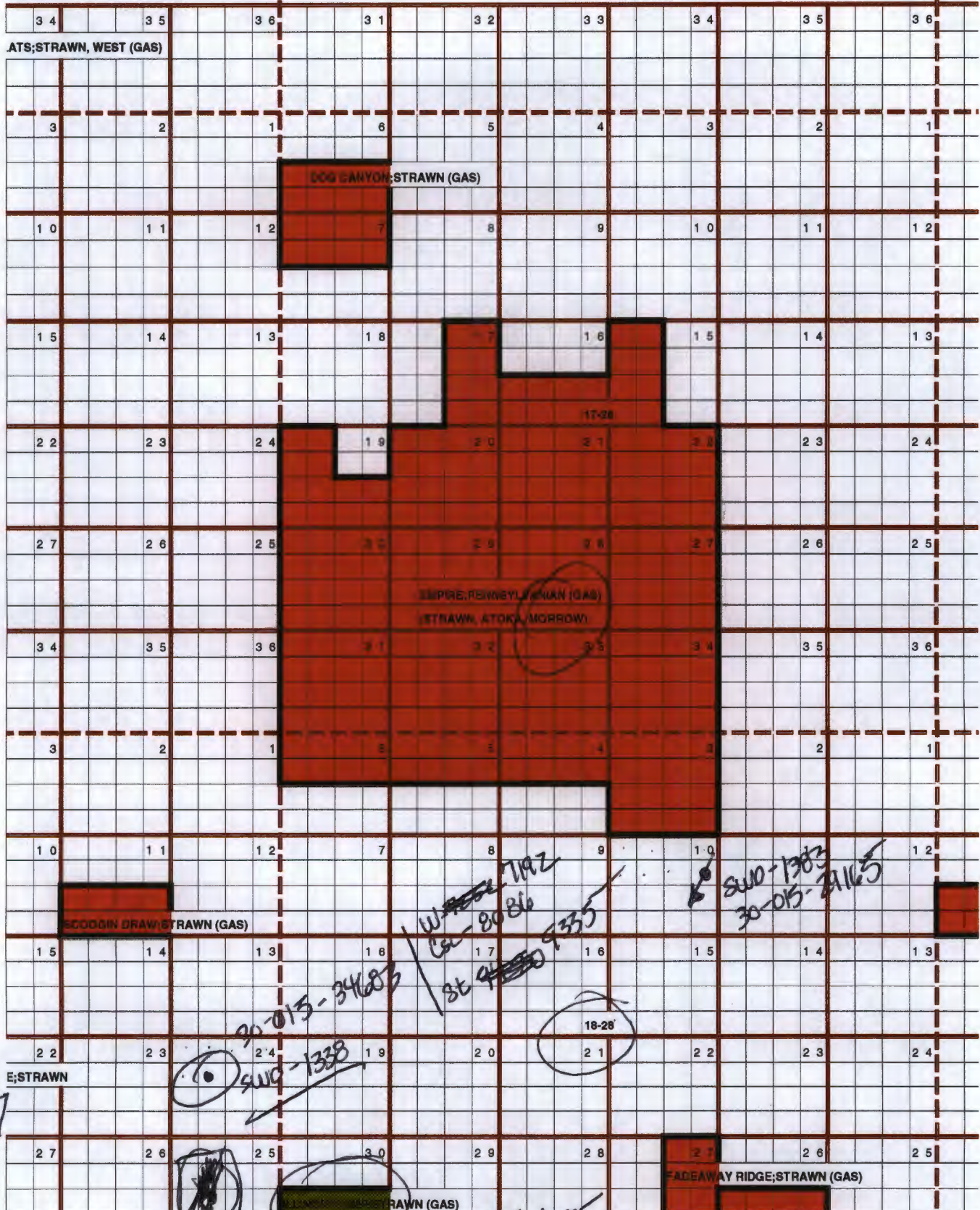


HP

2 of 2

State 25 Well #1 / SWD

R 28 E

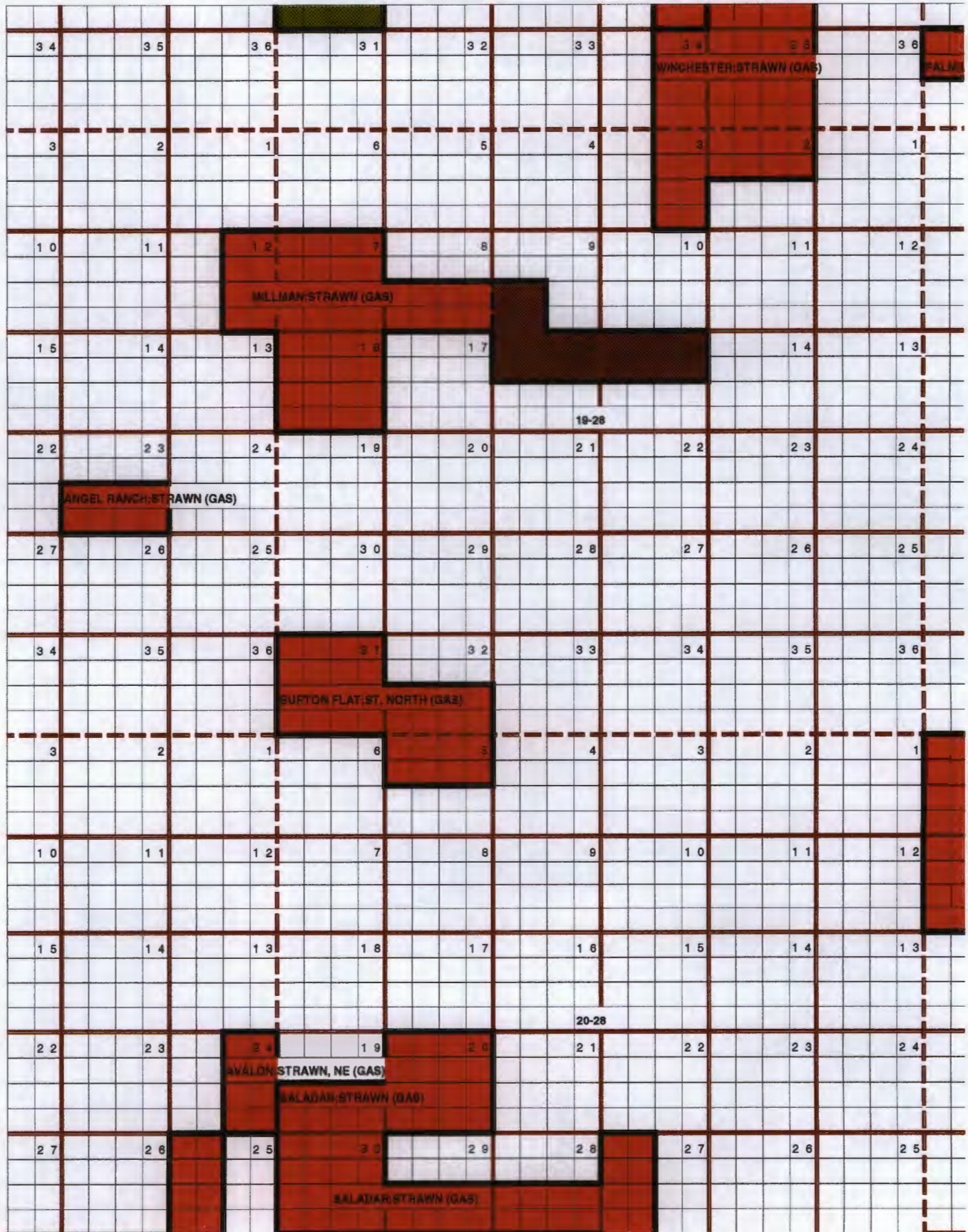


6-27

30-015-34283 / W-25-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000

Strawn 1 of 2

State 25 well<sup>st</sup> / SWD



Strawn/Morrow 2 of 2