STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

RECEIVED
MAR 0 8 2005
OCD-ARTESIA

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance __X__Disposal _____Storage
Application qualifies for administrative approval? __X__Yes _____No

II. OPERATOR: SDX Resources, Inc.

ADDRESS: PO Box 5061, Midland, TX 79704

CONTACT PARTY: Chuck Morgan PHONE: 432/685-1761

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____Yes __X__No
If yes, give the Division order number authorizing the project: _____

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. 1. EAU #301 data attached.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected; Avg Daily Rate - 1000 BWPD Max Daily Rate - 10,000 BWPD
2. Whether the system is open or closed; Closed System
3. Proposed average and maximum injection pressure; Avg Press 750#, Max Press 1500#
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate 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. No known fresh water underlies the inj zone. Fresh wtr overlies the proposed inj interval at appx 120'.

IX. Describe the proposed stimulation program, if any.
Will acidize perfs if necessary.

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

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. NA

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.

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

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Chuck Morgan TITLE: Engineer

SIGNATURE: Chuck Morgan DATE: 1/31/05

E-MAIL ADDRESS: cmorgan@sdxresources.com

* 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: _____

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

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

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

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

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

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

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

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and 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

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.

SDX Resources, Inc.
P.O. Box 5061
MIDLAND, TX 79704
TEL: (432) 685-1761 FAX: (432) 685-0533
TOLL FREE: (800) 344-1761

XII AFFIRMATIVE STATEMENT

January 31, 2005

Re: Geronimo 33 #1

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

Chuck Morgan, Engineer

Side 1

INJECTION WELL DATA SHEET

OPERATOR: SDX Resources, Inc.

WELL NAME & NUMBER: Geronimo 33 State #1

WELL LOCATION: 1700' FNL 2020' FWL | F | 33 | 17S | 28E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC

ATTACHED

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8" 54.4#

Cemented with: 250 sx Lite 200 sx C sx. *or* _____ ft³

Top of Cement: Surf Method Determined: circ.

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8" J55 36#

Cemented with: 700 sx C interfill 250 sx C sx. *or* _____ ft³

Top of Cement: Surf Method Determined: circ

Production Casing

Hole Size: 8-3/4 / 7-7/8" Casing Size: 5-1/2" P110 N80 17#

Cemented with: 2500 sx. *or* _____ ft³

Top of Cement: Surf Method Determined: circ

Total Depth: 10,599'

Injection Interval

7500' feet to 9250'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2-7/8" Lining Material: Plastic

Type of Packer: 5-1/2" PC PH-6

Packer Setting Depth: 7400'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes __X__No

   If no, for what purpose was the well originally drilled? Morrow Gas

2. Name of the Injection Formation: Penn (Lower Wolfcamp, Cisco Canyon)

3. Name of Field or Pool (if applicable): Empire Penn

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

   See attached

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

   Underlying zone - Atoka Top 9752'

   Overlying zone - Upper Wolfcamp Top 6880'

SDX Resources, Inc.
P.O. Box 5061
MIDLAND, TX 79704
TEL: (432) 685-1761 FAX: (432) 685-0533
TOLL FREE: (800) 344-1761

INJECTION WELL DATA SHEET ATTACHMENT

Geronimo 33 St #1

4.	Perfs	Zone	Plug
	10287-95	Morrow	CIBP 10200' 35' cmt cap
	9528-34	Strawn	CIBP 9470' 35' cmt cap
	8227-34	Canyon	CIBP 8132 35' cmt cap
	7794-7800	Cisco	CIBP 7800' 35' cmt cap
	7215-66	Wolfcamp	CIBP 7165' 35' cmt cap

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. 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-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
SDX Resources, Inc. PO Box 5061 Midland, TX 79704	020451
	[3] API Number 30 – 015-31044

[3] Property Code	[5] Property Name	[6] Well No.
	Geronimo 33 State	1

[9] Proposed Pool 1	[10] Proposed Pool 2
Empire, Penn	

[7] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	33	17S	28E		1700	North	2020	West	Eddy

[8] Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
Re-Entry	SWD	Rotary	State	3665'
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
No	10,900'	Cisco	Pool	4/05/05

Depth to Groundwater	Distance from nearest fresh water well	Distance from nearest surface water

Pit: Liner: Synthetic ☐ ____ mils thick Clay ☐ Pit Volume: ____ bbls Drilling Method:
Closed-Loop System ☐ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

[21] Proposed Casing and Cement Program

*Existing

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
*17-1/2"	13-3/8"	54.5#	546'	450 sx	Surf
*12-1/4"	9-5/8"	36#	2703'	950 sx	Surf
*8-3/8" – 9798' 7-7/8" 9798' – TD	5-1/2"	17#	10,900'	2500 sx	Surf

[22] Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

WELL HISTORY: Orig PBTD 10,519'. Perf 10287' – 10295'. CIBP @ 10,200 w/35' cmt Perf 9528' –34'. CIBP @ 9470' w/35' cmt. Perf 8182' 92', 8204' – 12', 8227' – 34'. CIBP @ 8132' w/35' cmt. Perf 7794' – 7800', 7813' – 17', 7920-32', 7960-66. CIBP @ 7750' w/35' cmt. Perf 7215'-21', 58-66'

P&A'd AS FOLLOWS: 5-1/2" CIBP @ 7165' w/35' of cmt. TOC @ 7130'. Spot 25 sx cmt @ 4550'. TOC @ 4370'. Spot 25 sx cmt @ 3500'. TOC @ 3400' (calc top). Spot 25 sx cmt @ 2675'. TOC 2374'. Perf @ 575'. Sqz 155 sx cmt. TOC @ 230'. Spot 23 sx cmt 84' to surf.

PROPOSE TO RE-ENTER 5-1/2" WELLBORE TO 7300'.
Plan to use steel pits, no below ground pits should be necessary. Test csg above ~7300' & repair if necessary. Sqz perfs 7215' – 66' w/250 sx & test. Drill out to PBTD of 9435' (CIBP @ 9470' w/35' cap). Perf selected intervals from 7500' – 9250'. Stimulate w/acid if necessary for conversion to SWD. Work to commence pending approval of C-108.

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Bonnie Atwater Bonnie Atwater

Title: Regulatory Tech

E-mail Address: batwater@sdxresources.com

Date: 1/6/05 Phone: 432/685-1761

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: Expiration Date:

Conditions of Approval Attached ☐

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-31044	76440	Empire, Penn

[4] Property Code	[5] Property Name	[6] Well Number
	Geronimo 33 State	1

[7] OGRID No.	[8] Operator Name	[9] Elevation
020451	SDX Resources, Inc.	3665' GR

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	33	17S	28E		1700	North	2020	West	Eddy

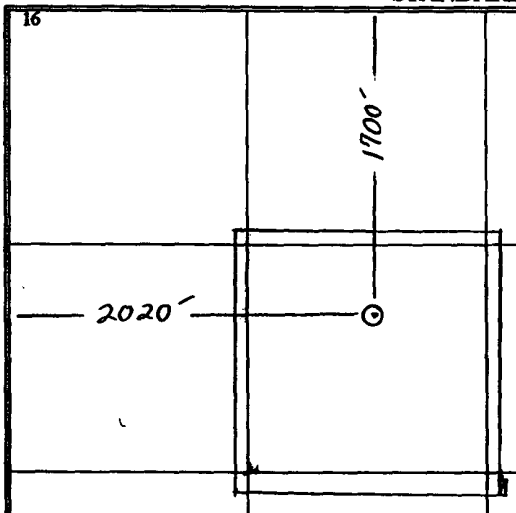
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Chuck Morgan
Printed Name

Engineer
Title and E-mail Address

1/6/05
Date

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor:

ORIGINAL ON FILE

Certificate Number

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED
OCD - ARTESIA

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name

Property Code	Property Name	Well Number
	GERONIMO "33" STATE ~~COM.~~	1

OGRID No.	Operator Name	Elevation
025773	LOUIS DREYFUS NATURAL GAS CORPORATION	3665'

Surface Location

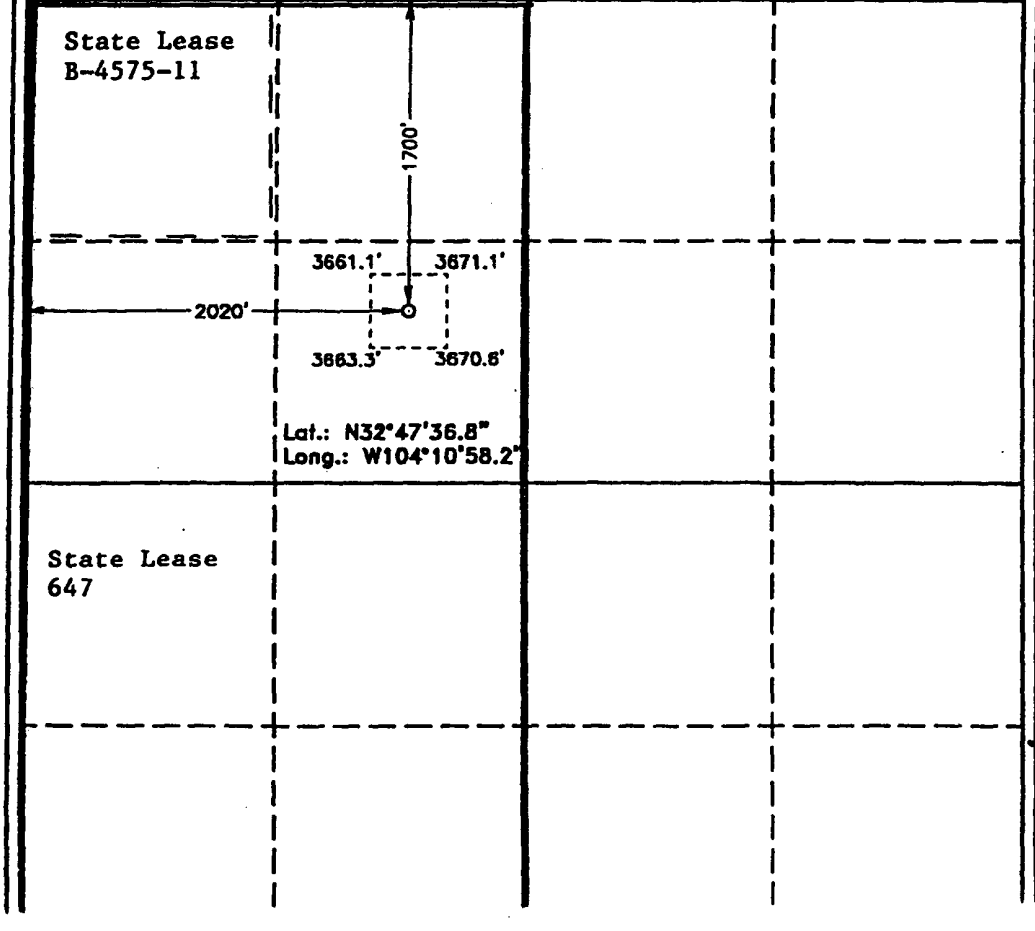
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	33	17 S	28 E		1700	NORTH	2020	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40 320	N	C	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Gene Simer
Signature

Gene Simer
Printed Name

District Operations Mgr.
Title

03/16/00
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

March 13, 2000
Date Surveyed

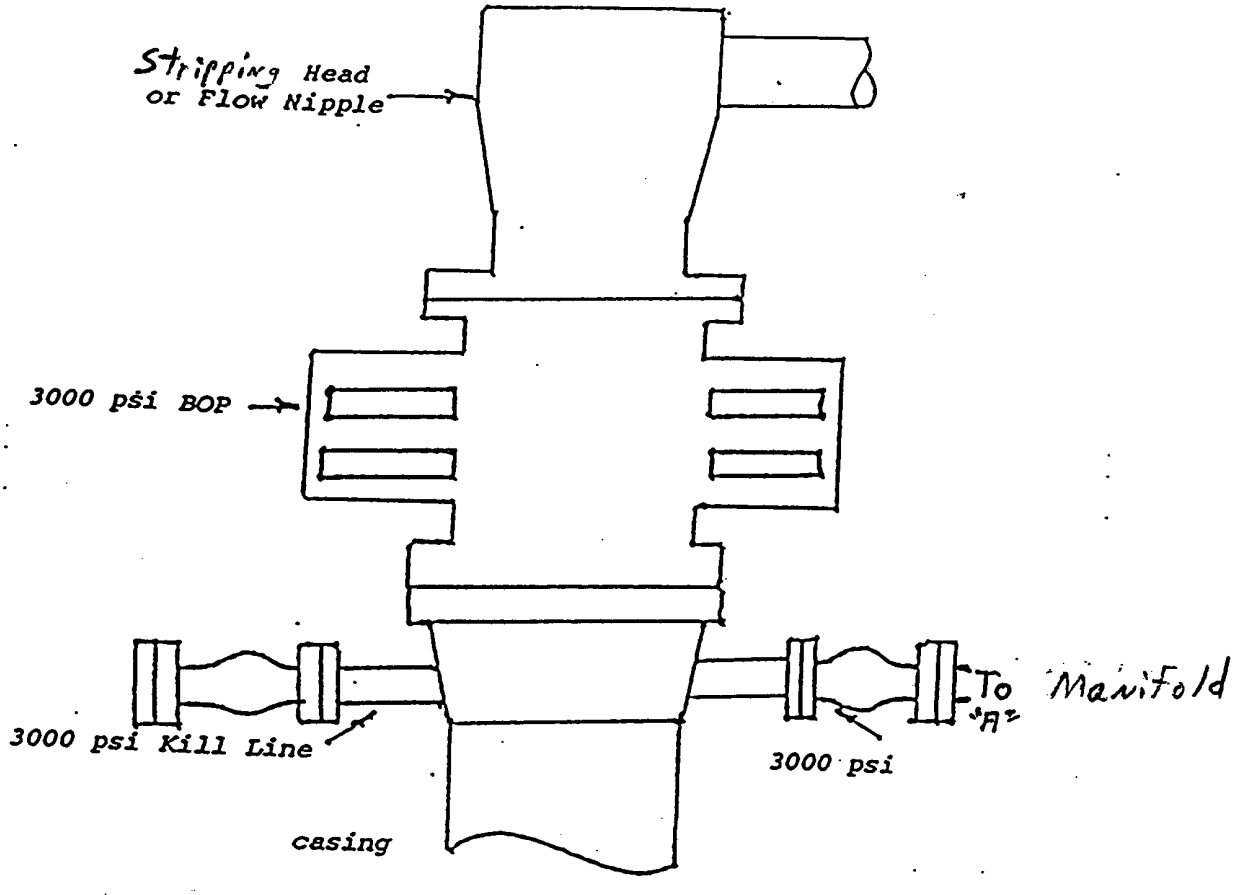
Signature & Seal of Professional Surveyor

GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL SURVEYOR

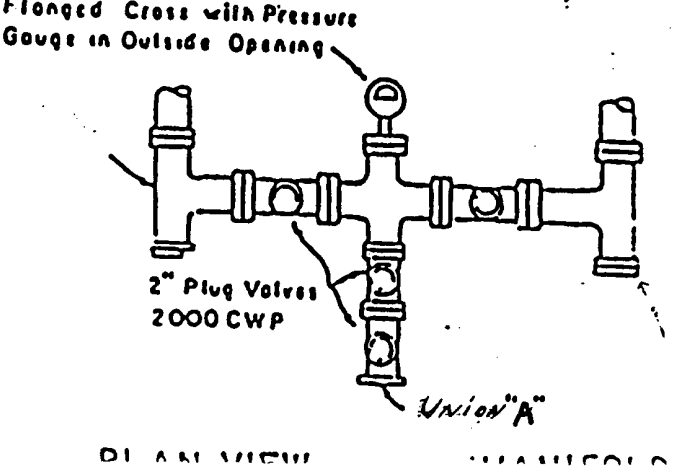
W.O. No. 0137A

Certificate No.

Blow Out Preventor Schematic



Reverse Unit Manifold



PLAN VIEW MANIFOLD

Geronimo 33 St. #1 FIELD AREA: Empire Penn

1700' FNL 2020' FWL Sec. 33 T17S R28E Eddy Co. N.M.

665' ZERO: _____' AGL: _____'

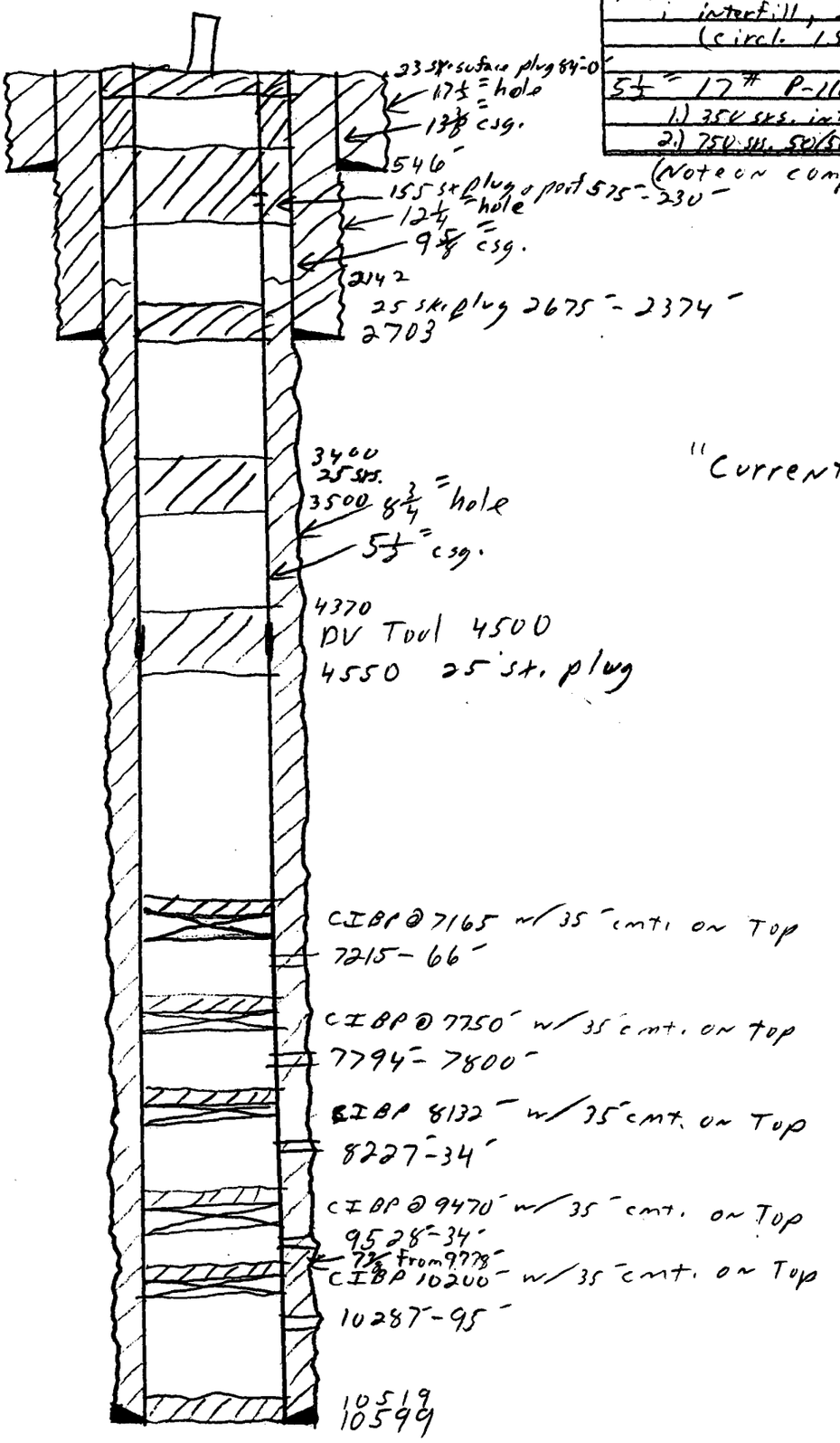
B: _____' ORIG. DRLG./COMPL. DATE: _____

COMMENTS: _____

CASING PROGRAM:

SIZE/WT./GR./CONN.	DEPTH SET
13⅜" 54.4# 250 sxs. Lite 200 sx. "C" (circ. 54 sxs.)	546'
9⅝" - 36# J-55 700 sxs. "C" interfill, 250 "C". (circ. 150 cfs.)	2703'
5½" - 17# P-110 & N-80 2 stage 1) 350 sxs. interfill 1400 sx. super "H" 2) 750 sxs. 50/50 Poz circ. 75 sxs.	10599

(Note on compl. shows TOC 2142')



"Current Condition"

- SKETCH NOT TO SCALE -

REVISED: _____

[redacted] Geronimo 33 St. #1 FIELD AREA: Empire Pearl

1700' FNL 2020' FWL Sec. 33 T17S R28E Eddy Co., N.M.

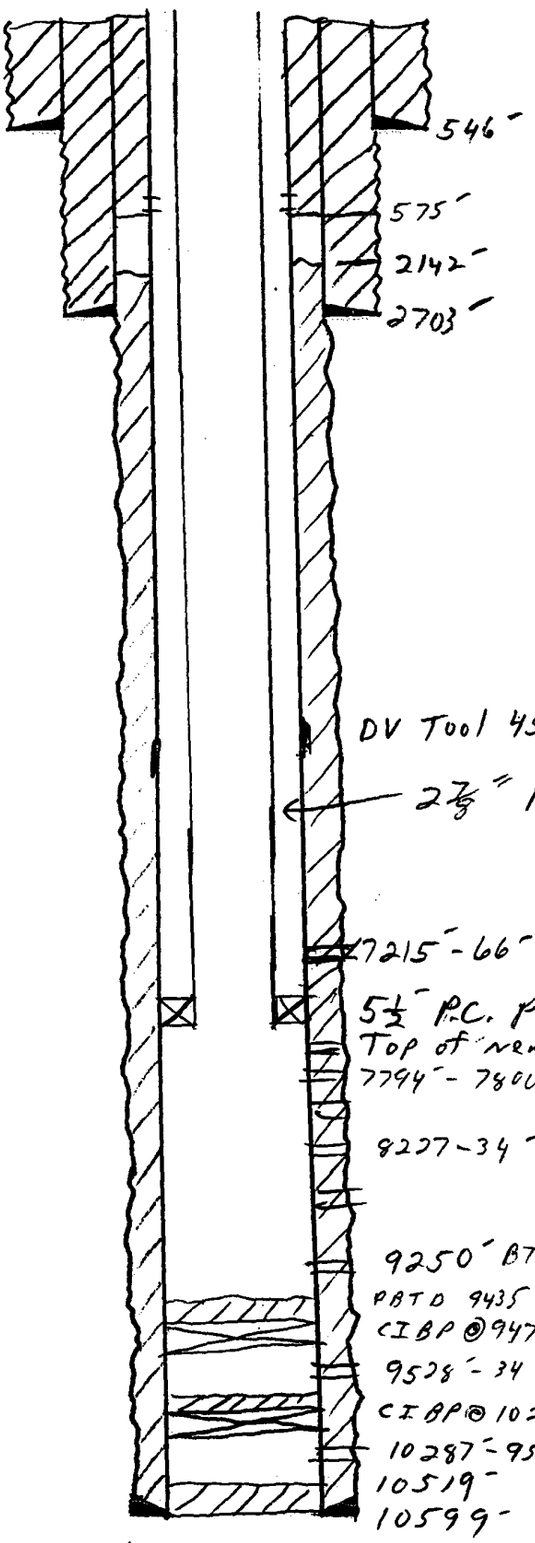
[redacted]65' ZERO: _____' AGL: _____'

[redacted]: _____' ORIG. DRLG./COMPL. DATE: _____

COMMENTS: _____

CASING PROGRAM:

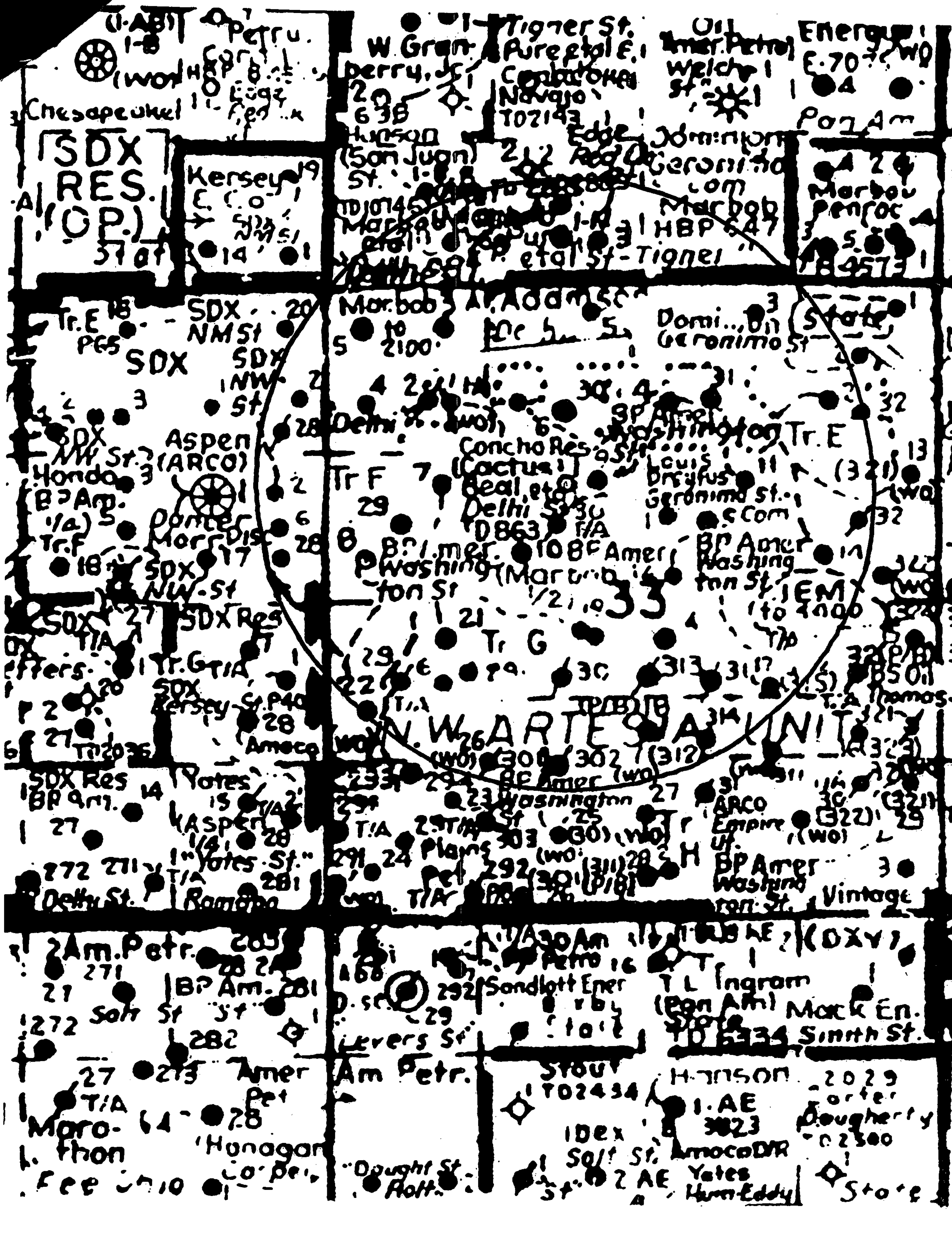
SIZE/WT./GR./CONN.	DEPTH SET
13¾" - 54.4# 250 sxs. Lite 200 sxs. "C" (circ. 54 sks.)	546'
9⅝" 36# J-55 700 sx. "C" interfill, 250 "C" (circ. 150 sks.)	2703'
5½ 17# P-110 & N-80 2 stg. 1.) 350 sxs. interfill 1400 sx. Super H 2.) 750 sxs. 50/50 Poz circ. 75 sks. (note on compl. report TOC 2142')	10599



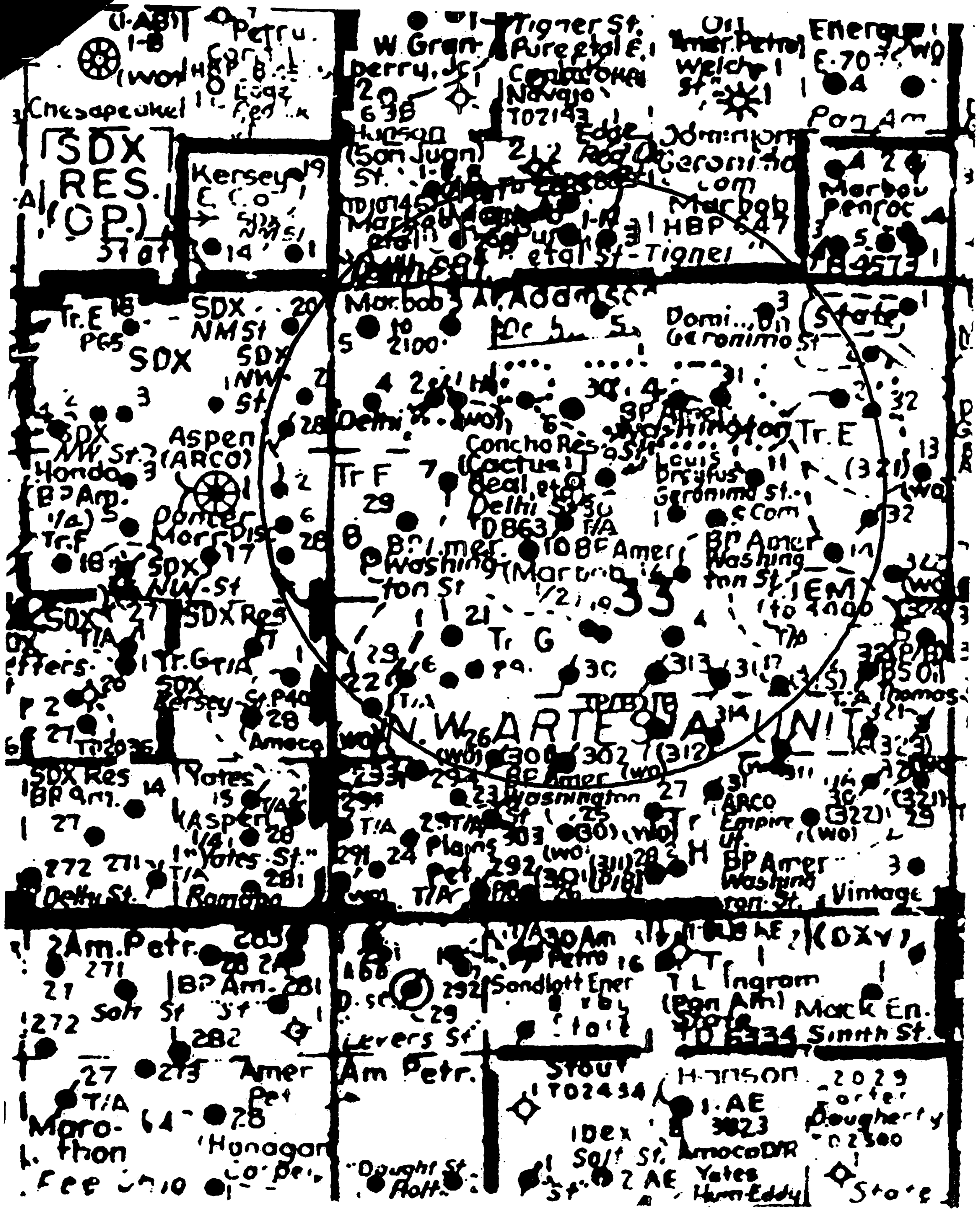
"Proposed Condition"

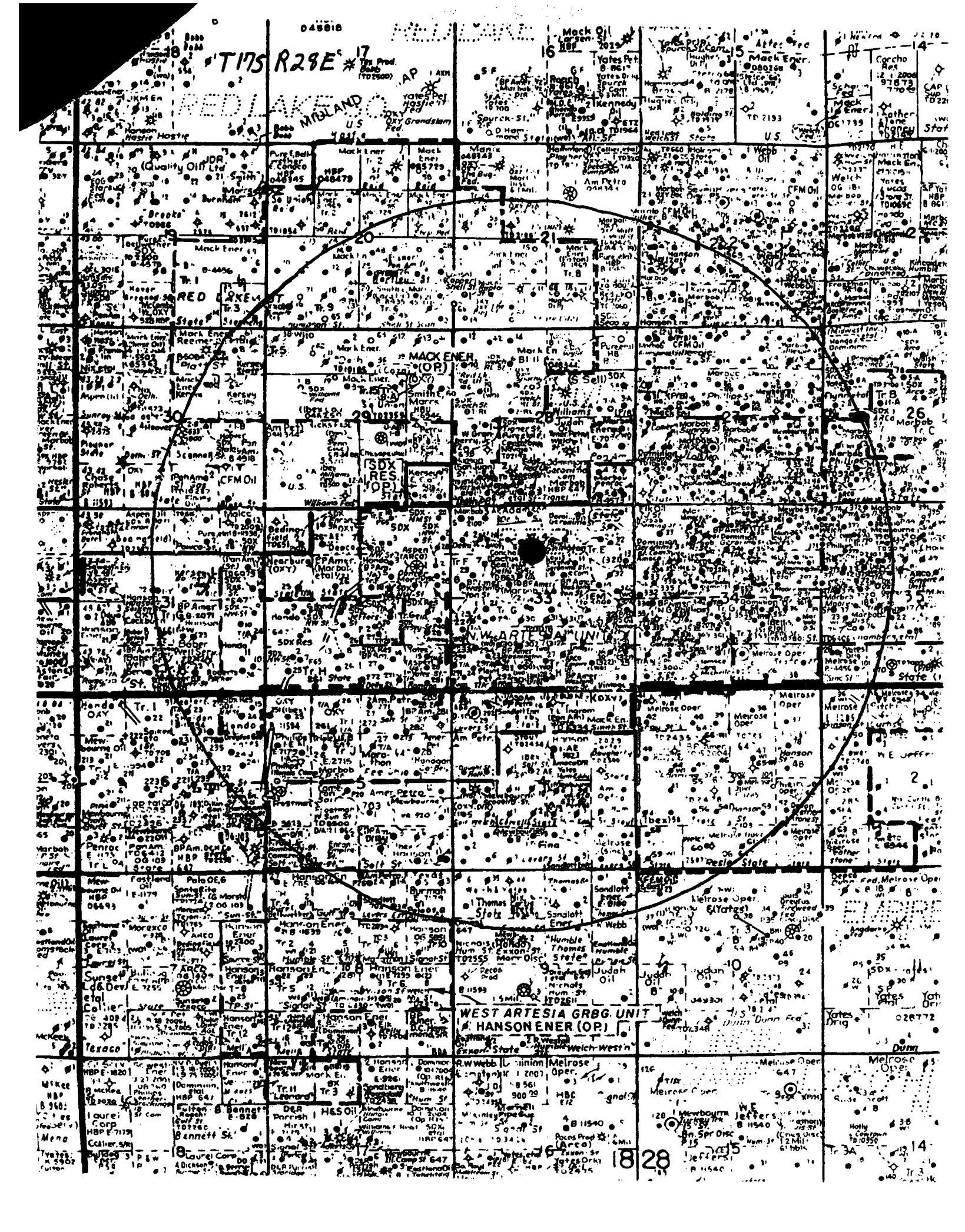
- SKETCH NOT TO SCALE -

REVISED: _____



Tigner St.
Pure etal E.
Navajo
T07143
Energy
Pan Am
W. Gran
Perry, Jr.
Chesapeake
SDX RES. (OP.)
State
Kersey
Hanson (San Juan) St.
Red Cr
Geronimo
Marbob
HBP
etal St-Tignei
Marbob
Dominion
Geronimo St
State
Tr. E
SDX
NMSt
SDX NW St
Aspen (ARCO)
Honda
Tr. F
Delhi
Concho Res.
(Cactus)
Beal etal
Delhi St
D863
T/A
Louis Dreyfus
Geronimo St.
BP Amer
Washington St
Tr. E
Tr F
Washington St
33
IEM
Tr G
SDX Res
Tr. G T/A
Kersey St.
Ameco
N. W. ARTESIA UNIT
BP Amer
Washington
Yates
ASPEN
"Yates St."
T/A
Plains
ARCO
Empire
BP Amer
Washington St.
Vintage
Delhi St.
Am. Petr.
BP Am.
Sandlott Ener
T L Ingram
(Pan Am)
Mack En.
Smith St.
Am Petr.
Amer Pet
T/A
Maro-thon
Hanagan
Hanson
T02434
1.AE
3023
Porter Dougherty
IDex
Amoco D/R
Yates
Hum Eddy
State


SDX
RES.
(OP.)
Kersey
Chesapeake
Tr. E
SDX
NM St
Aspen
(ARCO)
Honda
Tr. F
SDX Res
Tr. G T/A
Yates
Amoco
Delhi St.
Ramona
Marbob
Dominion
Geronimo
Concho Res.
(Cactus)
Delhi St.
Louis
Dreyfus
Geronimo St.
BP Amer
Washington St.
33
Tr G
N. W. ARTESIA UNIT
Plains
Pet
ARCO
Empire
Vintage
OXY
Am. Petr.
Sandlott Ener
T L Ingram
(Pan Am)
State
Mack En.
Smith St.
Stout
Hanson
Marathon
Hanagan
IDEX
Amoco D/R
Yates
Dought St.
Dougherty
State
Energy
Welch
Navajo
Pan Am


T17S R28E
RED LAKE
MIDLAND
MACK ENER (OP.)
SDX RES. (OP.)
N.W. ARTESIA UNIT
WEST ARTESIA GRBG. UNIT
HANSON ENER (OP.)

Empire Abo Unit 6 #301 FIELD AREA: Empire Abo

"K" 1315' FSL, 1315' FWL sec. 33 T17S R28E Eddy Co., N.M.

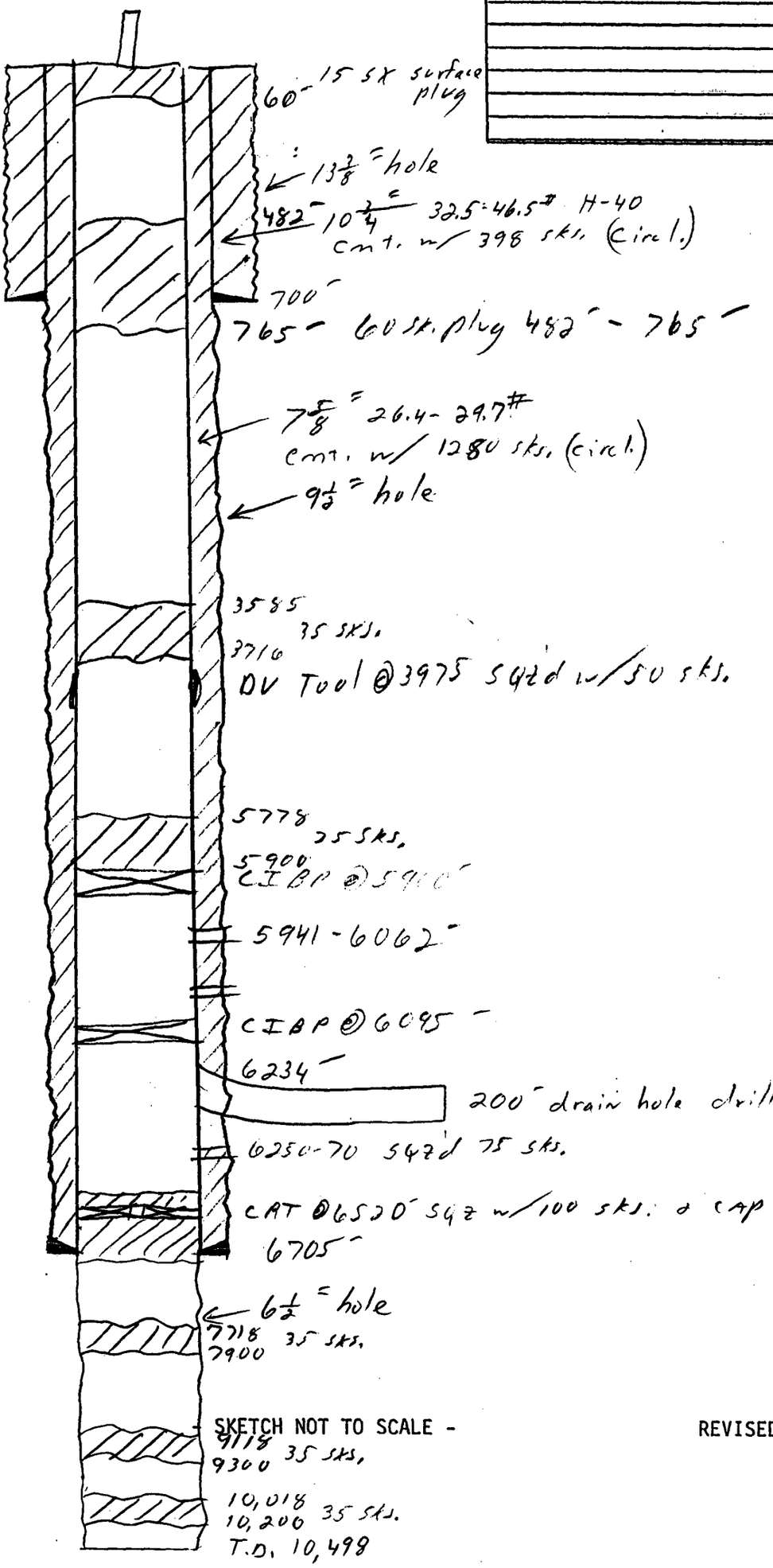
____' ZERO: _____' AGL: _____'

KB: _____' ORIG. DRLG./COMPL. DATE: _____

COMMENTS: _____

CASING PROGRAM:

SIZE/WT./GR./CONN.	DEPTH SET



SKETCH NOT TO SCALE -

REVISED: _____

VI

Date: 1/5/2005
Time: 1:08 PM

PI/Dwights PLUS on CD Scout Ticket

301 EMPIRE ABO UNIT G

State: NEW MEXICO
County: EDDY
Operator: ATLANTIC RICHFLD CO
API: 30015218910000 IC: 300157020376
Initial Class: D
Target Objective:
Final Well Class: DO
Status: OIL
Field: EMPIRE
Permit: on SEP 06, 1976
First Report Date: MAR 15, 1977
Projected TD: 10500 Formation: MORROW
Hole Direction: VERTICAL

IP Summary:

Oil	Gas	Water	Top Form
273 BPD			ABO /SH/

Location

Section, Twp., Range: 33 17 S 28 E
Spot Code:
Footage NS EW Origin: 1315 FSL 1315 FWL CONGRESS SECTION
Surface Remark:
Principal Meridian: NEW MEXICO

Lat/Long: 32.7874200 / -104.1846800 US
PBHL Footage NS EW Origin:
PBHL Section:
PBHL Remark:
ABHL Footage NS EW Origin:
ABHL Section:
ABHL Remark:

Dates and Depths

Spud: SEP 16, 1976 Spud Date Code:
TD: 10498 on
LTD:
TVD:
PlugBack Depth: 6280
Completed: JAN 04, 1977
Formation @ TD: 359MSSP Name: MISSISSIPPIAN
Ref. Elevation: 3691 KB
KB. Elevation: 3691
Ground Elevation: 3667 GR
Contractor: SHARP & ASSOCIATES
Rig Release Date: Rig #

IP # 001

Top Formation: ABO /SH/
Base Formation: ABO /SH/
Oil: 273 BPD Condst:
Gas: Water:
Interval: 6250 - 6270 Method: FLOWING
Duration of Test: 24 Hours Choke: 47/64
Oil: Gravity: GOR:

1/Dwights PLUS on CD Scout Ticket

Prod Method: PERF
Completed: O
Pressures: FTP: 100 SITP:
FCP: SICP:
FBHP: BHT: 146 Depth: 10498

Perforations:	Interval	Cnt	Type	Shots/Ft	Top Formation	
6250 -	6270	40			452ABO	ABO /SH/

PT # 001

Top Formation: ABO /SH/
Base Formation: ABO /SH/
Oil: 34 BBL Condst:
Gas: Water:
Interval: 6250 - 6270 Method: SWABBING
Duration of Test: 10 Hours Choke:
Oil: Gravity: GOR:
Prod Method: PERF
Pressures: FTP: SITP:
FCP: SICP:
Perforations: 452ABO ABO /SH/
Perf Interval: 6250 - 6270 Shots/Ft:
Type of Perfs: Interval Perf Count: 40

Treatments: 100
Interval: 6250 - 6270
Fluid: 7000 GAL ACID Type: A
Additive:
Prop Agent:
Formation Break Down Pressure:
Average Injection Rate:
Stages: Remarks:

DST # 001

Show: S Formation: WOLFCAMP
Interval: 7300 - 7343 BHT
Choke: Top: Bottom:
Recovery: 1 10 FT O Rec Method: PIPE
Recovery: 2 230 FT PW Rec Method: PIPE
Mat'ls to Surface: GAS 100
Pressures and Times:

Hydro		Init Flow		Final Flow		Shut-in		Open Time		Shut-in Time	
Init	Final	Init	Final	Init	Final	Init	Final	Init	Final	Init	Final
3286	3286			92	157	1935	2236		140	60	120

DST # 002

Show: Formation: MORROW
Interval: 10255 - 10300 BHT
Choke: Top: Bottom:
Recovery: 1 150 FT M Rec Method: PIPE
Pressures and Times:

Hydro		Init Flow		Final Flow		Shut-in		Open Time		Shut-in Time	
Init	Final	Init	Final	Init	Final	Init	Final	Init	Final	Init	Final
4852	4852			69	69	2000	3758		105	60	180

Date: 1/5/2005
Time: 1:08 PM

PI/Dwights PLUS on CD Scout Ticket

Casing, Liner, Tubing

Casing	10 3/4 IN	@	700	w/	410	sx
Casing	7 5/8 IN	@	6705	w/	1450	sx

Formations and Logs

Log # 1	ILDL	@	-
Log # 2	AVC	@	-
Log # 3	DN	@	-
Log # 4	NEC	@	-
Log # 5	DNC	@	-
Log # 6	NE	@	-

Top Formation	Measured Depth	Top TVD	Base Depth	Base TVD	Source	Lith-ology	Age code
ABO /SH/	5715				LOG		452
BOUGH C	7820				LOG		406
CANYON	8640				LOG		405
STRAWN	9240				LOG		404
ATOKA	9760				LOG		403
CHESTER	10466				LOG		354

Operator Address

Street or PO Box:

City:
State, Zip: ,
Country:
Phone: Fax:
E-Mail:
Agent Name: Agent Code:
Agent Remark:

BJ SERVICES

Water Analysis

BP Fresh Water Well

Date: 1/7/2005

2401 Sivley, Artesia NM 88210
Phone (505) 746-3140 Fax (505) 746-2293

Analyzed For

Company	Well Name	County	State
SDX	BP Offset F/W Well	Eddy	New Mexico

Sample Source ***Sample #*** BP

Formation ***Depth***

Specific Gravity	1.005	*SG @ 60 °F*	1.005
pH	8.15	*Sulfides*	Not Tested
Temperature (°F)	60	*Reducing Agents*	Absent

Cations

Sodium (Calc)	*in Mg/L*	-166	*in PPM*	-165
Calcium	*in Mg/L*	320	*in PPM*	318
Magnesium	*In Mg/L*	48	*in PPM*	48
Soluable Iron (FE2)	*in Mg/L*	0.0	*in PPM*	0

Anions

Chlorides	*in Mg/L*	400	*In PPM*	398
Sulfates	*in Mg/L*	0	*in PPM*	0
Bicarbonates	*in Mg/L*	88	*in PPM*	87
Total Hardness (as CaCO3)	*in Mg/L*	1,000	*In PPM*	995
Total Dissolved Solids (Calc)	*In Mg/L*	690	*in PPM*	686
Equivalent NaCl Concentration	*In Mg/L*	654	*in PPM*	651

Scaling Tendencies

**Calcium Carbonate Index* 28,109

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

**Calcium Sulfate (Gyp) Index* 0

Below 500,000 Remote / 500,000 - 10,000,00 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 Chuck Morgan: Fax(432) 685-0533 Jerry Smith 748-9810

No BF-7L precipitates.

Report # 1718

BJ SERVICES

Water Analysis

Injection Interval Water Analysis

Date: 1/7/2005

2401 Sivley, Artesia NM 88210
Phone (505) 746-3140 Fax (505) 746-2293

Analyzed For

Company	Well Name	County	State
SDX	Dominion Geronimo 33 St #2	Eddy	New Mexico

Sample Source		***Sample #***	**Dominion**
Formation	**Wolfcamp**	***Depth***	

Specific Gravity	**1.075**	*SG @ 60 °F*	**1.075**
pH	**8.42**	*Sulfides*	**Not Tested**
Temperature (°F)	**58**	*Reducing Agents*	**Present**

Cations

Sodium (Calc)	*in Mg/L*	**10,720**	*in PPM*	**9,976**
Calcium	*in Mg/L*	**4,400**	*in PPM*	**4,095**
Magnesium	*in Mg/L*	**960**	*in PPM*	**893**
Soluable Iron (FE2)	*in Mg/L*	**0.0**	*in PPM*	**0**

Anions

Chlorides	*in Mg/L*	**26,800**	*in PPM*	**24,940**
Sulfates	*in Mg/L*	**0**	*in PPM*	**0**
Bicarbonates	*in Mg/L*	**420**	*in PPM*	**391**
Total Hardness (as CaCO3)	*in Mg/L*	**15,000**	*in PPM*	**13,959**
Total Dissolved Solids (Calc)	*in Mg/L*	**43,300**	*in PPM*	**40,294**
Equivalent NaCl Concentration	*in Mg/L*	**40,697**	*in PPM*	**37,872**

Scaling Tendencies

Calcium Carbonate Index* **1,846,592

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

Calcium Sulfate (Gyp) Index* **0

Below 500,000 Remote / 500,000 - 10,000,00 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 Chuck Morgan: Fax(432) 685-0533 Jerry Smith 748-9810

Severe BF-7L precipitates.

Report # 1719

Attachment D
Produced H_2O Sample

Pro-Kem, Inc.

WATER ANALYSIS REPORT

JUL 14 1999

SAMPLE

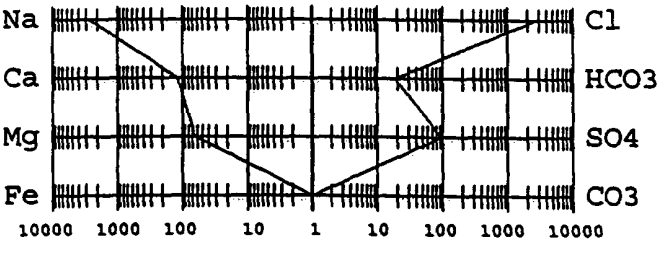
Oil Co. : SDX Resources
Lease : N.W. St.
Well No.: # 1
Lab No. : F:\ANALYSES\Jul0999.001

Sample Loc. :
Date Analyzed: 09-July-1999
Date Sampled : 01-July-1999

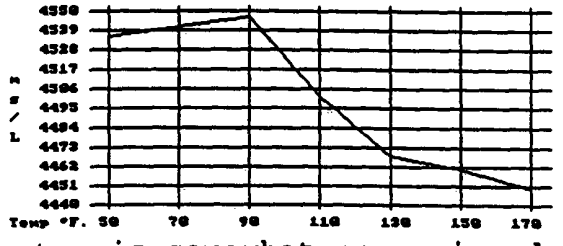
ANALYSIS

1.	pH			5.950		
2.	Specific Gravity 60/60 F.			1.118		
3.	$CaCO_3$ Saturation Index @ 80 F.			-0.029		
	@ 140 F.			+0.871		
	Dissolved Gasses			**MG/L**	**EQ. WT.**	***MEQ/L**
4.	Hydrogen Sulfide			10		
5.	Carbon Dioxide			160		
6.	Dissolved Oxygen			Not Determined		
	Cations					
7.	Calcium	(Ca^{++})		2,341	/ 20.1 =	116.47
8.	Magnesium	(Mg^{++})		741	/ 12.2 =	60.74
9.	Sodium	(Na^{+})	(Calculated)	60,071	/ 23.0 =	2,611.78
10.	Barium	(Ba^{++})		Not Determined		
	Anions					
11.	Hydroxyl	(OH^{-})		0	/ 17.0 =	0.00
12.	Carbonate	($CO_3^{=}$)		0	/ 30.0 =	0.00
13.	Bicarbonate	(HCO_3^{-})		1,098	/ 61.1 =	17.97
14.	Sulfate	($SO_4^{=}$)		4,500	/ 48.8 =	92.21
15.	Chloride	(Cl^{-})		94,979	/ 35.5 =	2,675.46
16.	Total Dissolved Solids			163,730		
17.	Total Iron (Fe)			7	/ 18.2 =	0.38
18.	Total Hardness As $CaCO_3$			8,898		
19.	Resistivity @ 75 F. (Calculated)			0.028 /cm.		

LOGARITHMIC WATER PATTERN
***meq/L.**



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X *meq/L	= mg/L.
$Ca(HCO_3)_2$	81.04	17.97	1,456
$CaSO_4$	68.07	92.21	6,277
$CaCl_2$	55.50	6.28	349
$Mg(HCO_3)_2$	73.17	0.00	0
$MgSO_4$	60.19	0.00	0
$MgCL_2$	47.62	60.74	2,892
$NaHCO_3$	84.00	0.00	0
$NaSO_4$	71.03	0.00	0
NaCl	58.46	2,608.44	152,490

*Milli Equivalents per Liter

his water is somewhat corrosive due to the pH observed on analysis.
he corrosivity is increased by the content of mineral salts, and the presence of H2S, CO2 in solution.

OFFSET OPERATORS

BP America
501 Westlake Park Blvd
Houston, TX 77079-2604

Yates Petroleum
105 S 4th St
Yates Bldg
Artesia, NM 88210-2177

Aspen
PO Box 2674
Hobbs, NM 88240

Dominion
14000 Quail Springs Pkwy, Ste 600
Oklahoma City, OK 73134-2600

SURFACE OWNER

Bogle LTD
Louis Derrick
PO Box 441
Artesia, NM 88210

LEGAL NOTICE

NOTICE OF APPLICATION FOR WATER DISPOSAL WELL PERMIT

SDX Resources, Inc., located at 511 W. Ohio St., Ste 601, Midland, TX 79701, mailing address PO Box 5061, Midland, TX 79704, Contact: Chuck Morgan 432/685-1761 is seeking administrative approval from the New Mexico Oil Conservation Division to convert the Geronimo 33 State #1 well located in Sec 33, T17S, R12E, Eddy Co., New Mexico to a Disposal well. The proposed zone is in the Penn (Lower Wolfcamp,Cisco Canyon) formation. SDX Resources, Inc. intends to inject a maximum of 10000 barrels of produced formation water per day at a maximum pressure of 1500 psi. Interested parties must file objections or request for hearing with the Oil Conservation Division, 1220 S St Francis, Santa Fe, NM 87505 within 15 days of this notice.

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