DATE IN 10-12-04 | SUSPENSE 10/13/04 | ENGINEER Jones | LOGGED IN 10-13-04 | TYPE SWD | APP NO. PSEM0428751973

9/27/04 946

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]

(AOR) 2-PEA 2-ACTIVE 4 TOTAL

[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 _____ API = ?

[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

[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.

Print or Type Name	Signature	Title	Date

e-mail Address

PATINA
OIL & GAS CORPORATION

1625 Broadway, Suite 2000
Denver, Colorado 80202
(303) 389-3600
(303) 389-3680 Fax

October 7, 2004

Stayed 10/12/04 after RE-POSTING NOTICE

Mr. William V. Jones
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Administrative Approval to drill out the Cast Iron Bridge plug set at 4300' between the Cliffhouse and Point Lookout zones.
Patina Oil Company
Langendorf #3
1097' FSL, 1439 FEL, Sec. 34, T31N, R13W, N.M.P.M.
San Juan County, New Mexico

need F.W. analysis

Dear Mr. Jones:

Patina Oil requests authorization to dispose of produced salt water into the Cliffhouse and Point Lookout zones of the Mesaverde formation in the referenced well by drilling out the cast iron bridge plug set at 4300' between the two zones.

This well was approved as a SWD well in 1985 for disposal of salt water into the Point Lookout zone of the Mesa Verde formation by Consolidated Oil and Gas. Greystone Energy received approval in 2000 to set a cast iron bridge plug over the Point Lookout, add perforations in the Cliffhouse and then inject produced salt water in the Cliffhouse zone.

To comply with the New Mexico Conservation Rules, Patina is submitting the Form C-108 for your approval of the proposed modification.

In accordance to New Mexico Oil Conservation Rules, all offset operators and surface owners are being notified of this application by certified mail. In addition public notice was given (Legal notice # 50561) was given in the local newspaper

(The Daily Times). As an offset operator, if you have no objection to this application, you do not have to respond to this notification.

If additional information is needed, please contact me.

Sincerely,

Gary L. Ohlman
Senior Operations Engineer
Patina Oil & Gas Corporation

CC: NMOCD-Aztec, BLM – Farmington, Offset Operators

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 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: Patina San Juan

ADDRESS: 5802 US Highway 64, Farmington NM 87401

CONTACT PARTY: Rod Seale PHONE: 505-632-8056

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. (ATTACHMENT #1)

IV. Is this an expansion of an existing project? ___X___Yes _____No
If yes, give the Division order number authorizing the project: Order SWD – 283 (ATTACHMENT 1B)

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. (ATTACHMENT #2)

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. (ATTACHMENT #3)

VII. Attach data on the proposed operation, including:

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

*VIII. Attach appropriate 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. PREVIOUSLY SUBMITTED

IX. Describe the proposed stimulation program, if any. (ATTACHMENT #5)

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

*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. PREVIOUSLY SUBMITTED

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. (ATTACHMENT #6)

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. (ATTACHMENT #7)

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: Gary Ohlman TITLE: Senior Operations Engineer
SIGNATURE: Gary Ohlman DATE: 9/7/04

E-MAIL ADDRESS: GOhlman@patinaoil.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: February 25, 1985 in paper work associated with order SWD-283

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

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.

(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.

Side 1

INJECTION WELL DATA SHEET

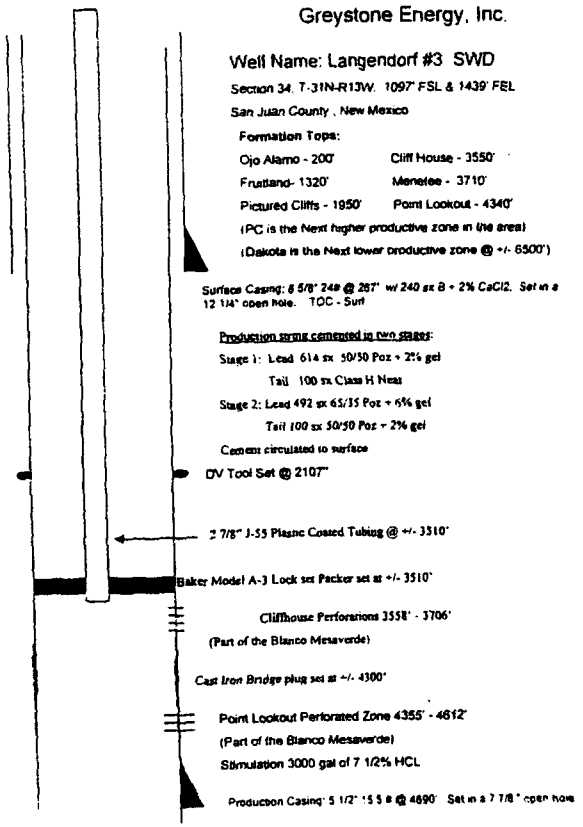
OPERATOR: Patina San Juan

WELL NAME & NUMBER: Langendorf #3 SWD

WELL LOCATION:	1097' FSL and 1439' FEL San Juan County, NM	O	34	31N	13W
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

Attachment # 1



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12 ¼" Casing Size: 8 5/8" 24#

Cemented with: 240 sx B + 2% CaC12 *or* _____ ft³

Top of Cement: Surface Method Determined: Circulated

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7 7/8" Casing Size: 5 ½" 15.5#

Stage 1: Lead 614 sx 50/50 POZ Tail 100sx class H Neat
Stage 2: Lead 492 sx 65/35 POZ Tail 100 sx 50/50 POZ
Cemented with: Two stages x. *or* _____ ft³

Top of Cement: Surface Method Determined: Circulated

Total Depth: 4690'

Injection Interval

_____ feet to _____

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" J-55 Plastic coated tubing @ ±3510' Lining Material: Plastic Coated

Type of Packer: Baker Model A-3 Lock

Packer Setting Depth: ±3510'

Other Type of Tubing/Casing Seal (if applicable): 5-1/2" production casing and cement. 2-7/8" plastic lined tubing and Packer above Point Lookout cement log bond from TD to surface

Additional Data

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

   If no, for what purpose was the well originally drilled? This is not a new well. It was drilled in 1985 as an injection well for salt water disposal.

2. Name of the Injection Formation: Cliffhouse

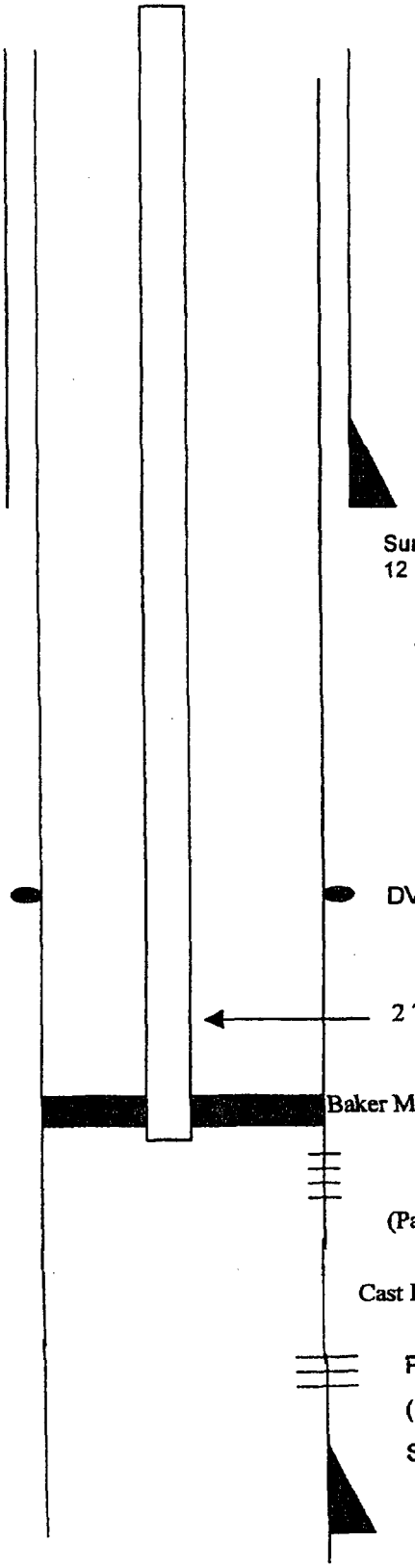
3. Name of Field or Pool (if applicable): Mesaverde

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. Pointlookout 4355' - 4612'

   cast iron bridge plug set at ±4300' original stimulation 3000 gal of 7-1/2% HCL

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Pictured Cliff next higher productive zone. Dakota next lower productive zone at ±6500'

Attachment # 1



Greystone Energy, Inc.

Well Name: Langendorf #3 SWD

Section 34, T-31N-R13W, 1097' FSL & 1439' FEL

San Juan County , New Mexico

Formation Tops:

Ojo Alamo - 200'	Cliff House - 3550'
Fruitland- 1320'	Menefee - 3710'
Pictured Cliffs - 1950'	Point Lookout - 4340'

(PC is the Next higher productive zone in the area)

(Dakota is the Next lower productive zone @ +/- 6500')

Surface Casing: 8 5/8" 24# @ 267' w/ 240 sx B + 2% CaCl2, Set in a 12 1/4" open hole. TOC - Surf

Production string cemented in two stages:

Stage 1: Lead 614 sx 50/50 Poz + 2% gel

Tail 100 sx Class H Neat

Stage 2: Lead 492 sx 65/35 Poz + 6% gel

Tail 100 sx 50/50 Poz + 2% gel

Cement circulated to surface

DV Tool Set @ 2107"

2 7/8" J-55 Plastic Coated Tubing @ +/- 3510'

Baker Model A-3 Lock set Packer set at +/- 3510'

Cliffhouse Perforations 3558' - 3706'

(Part of the Blanco Mesaverde)

Cast Iron Bridge plug set at +/- 4300'

Point Lookout Perforated Zone 4355' - 4612'

(Part of the Blanco Mesaverde)

Stimulation 3000 gal of 7 1/2% HCL

Production Casing: 5 1/2" 15.5 # @ 4690' Set in a 7 7/8 " open hole

ATTACHMENT #1B

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

50 YEARS
1935 - 1985

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

ORDER SWD-283

THE APPLICATION OF CONSOLIDATED OIL & GAS, INC.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Consolidated Oil & Gas, Inc. made application to the New Mexico Oil Conservation Division on February 28, 1985, for permission to complete for salt water disposal its Langendorf Well No. 3 located in Unit O of Section 34, Township 31 North, Range 13 West, NMPM, San Juan County, New Mexico.

The Division Director finds:

(1) That application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;

(2) That satisfactory information has been provided that all offset operators and surface owners have been duly notified; and

(3) That the applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met.

(4) That no objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant herein, Consolidated Oil & Gas, Inc. is hereby authorized to complete its Langendorf Well No. 3, located in Unit O of Section 34, Township 31 North, Range 13 West, NMPM, San Juan County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Point Lookout zone of the Mesaverde formation at approximately 4340 feet to approximately 4550 feet through 2 7/8 inch plastic lined tubing set in a packer located at approximately 4300 feet.

ATTACHMENT 1B

IT IS FURTHER ORDERED:

That the operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

That the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

That the injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 868 psi.

That the Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Mesaverde formation. That such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

That the operator shall notify the supervisor of the Aztec district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

That the operator shall immediately notify the supervisor of the Division's Aztec district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER, That jurisdiction of this cause is hereby retained by the Division for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Division may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operations in accordance with Rule 706 and 1120 of the Division Rules and Regulations.

ATTACHMENT 1B

Approved at Santa Fe, New Mexico, on this 19th day of March, 1985.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

R. L. STAMETS,
Director

S E A L

NIT to inject in new perfs

GREYSTONE ENERGY, INC.

9155 E. Nichols Ave., Suite 350 • Englewood, CO 80112 Bus: 303-925-0542 • Fax: 303-925-0543

December 14th, 1999

Mr. David Catanach
New Mexico Oil Conservation Division
Director of UIC
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RE: Administrative Approval to add perforations to the Cliffhouse zone in the Mesaverde for water salt water disposal. Water is currently being disposed of in the Point Lookout zone of this well.
Greystone Energy, Inc.
Langendorf #3
1097' FSL, 1439' FEL, Sec.34, T31N, R13W, N.M.P.M.
San Juan County, New Mexico

Dear Mr. Catanach:

Greystone Energy, Inc. requests authorization to dispose of produced salt water in the Cliffhouse zone of the Mesaverde formation within the above referenced well.

This well was approved as a purposed drilled SWD well in 1985 for disposal of salt water into the Point Lookout zone of the Mesaverde formation. Greystone Energy is requesting to add perforations to the existing well bore in the Cliffhouse zone.

There are no fresh water wells within one mile of the proposed salt water disposal well. The nearest fresh water well is over 1.5 miles to the north-by-north west across the La Plata River. There is only government surface ownership within a one-mile radius the disposal well.

To comply with the New Mexcio Oil Conservation Rules, Greystone Energy, Inc. is submitting the Form C-108 for your approval of the proposed addition of perforations in the disposal well.

In accordance to New Mexico Oil Conservation Division Rules, all offset operators and surface owners are being notified of this application by certified mail. In addition public notice was given (Legal notice # 41968) was given in the local newspaper (The Daily Times). As an offset operator, if you have no objection to this application, you do not have to respond to this notification.

If additional information is needed, please contact me.

Sincerely,

Brian D. Voigt

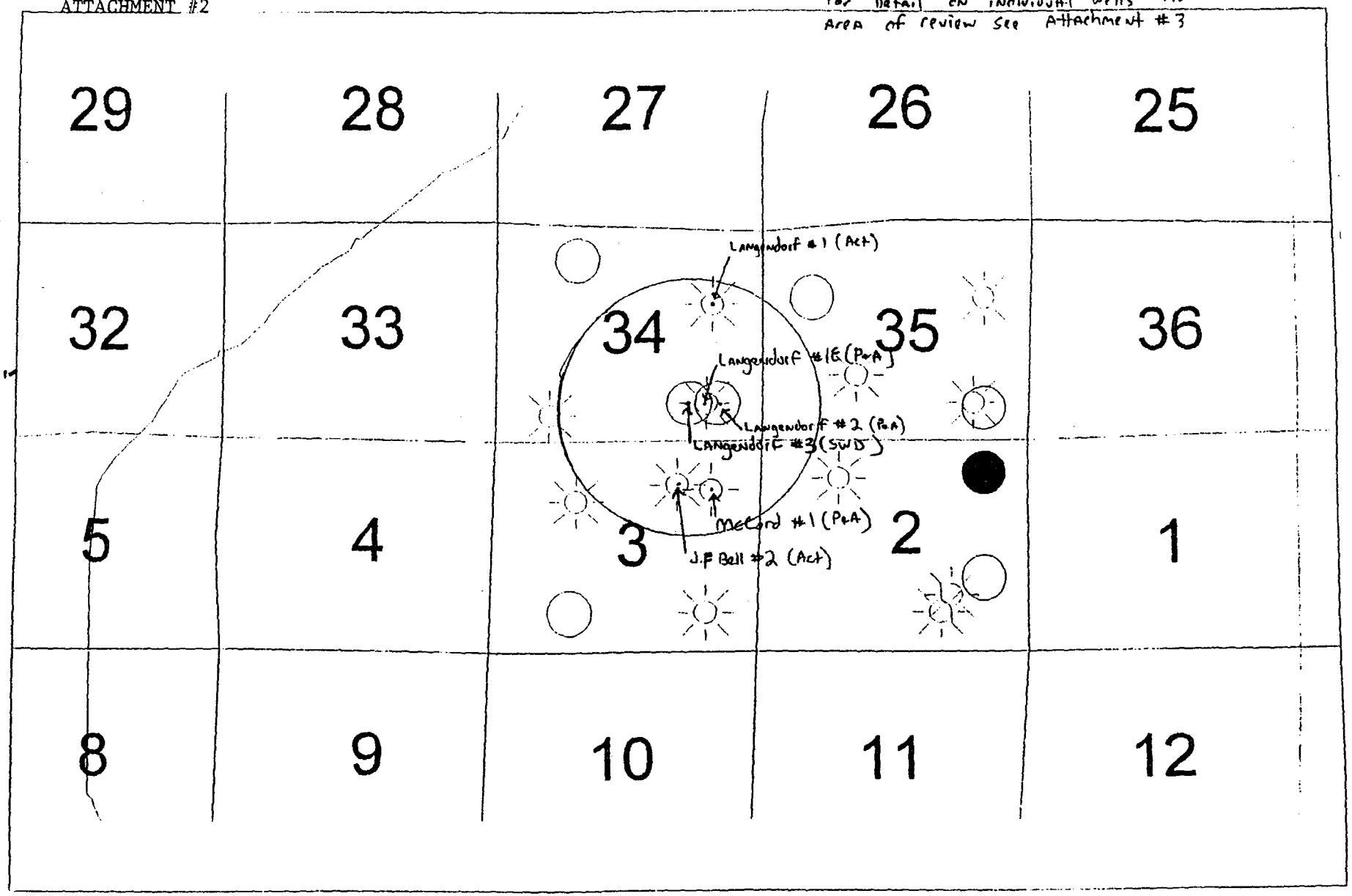
Brian D. Voigt
Vice President

CC: NMOCD-Aztec, BLM – Farmington, Offset Operators

PI/Dwights PLUS on CD Map Report

ATTACHMENT #2

For Detail on individual wells in Area of review See Attachment #3

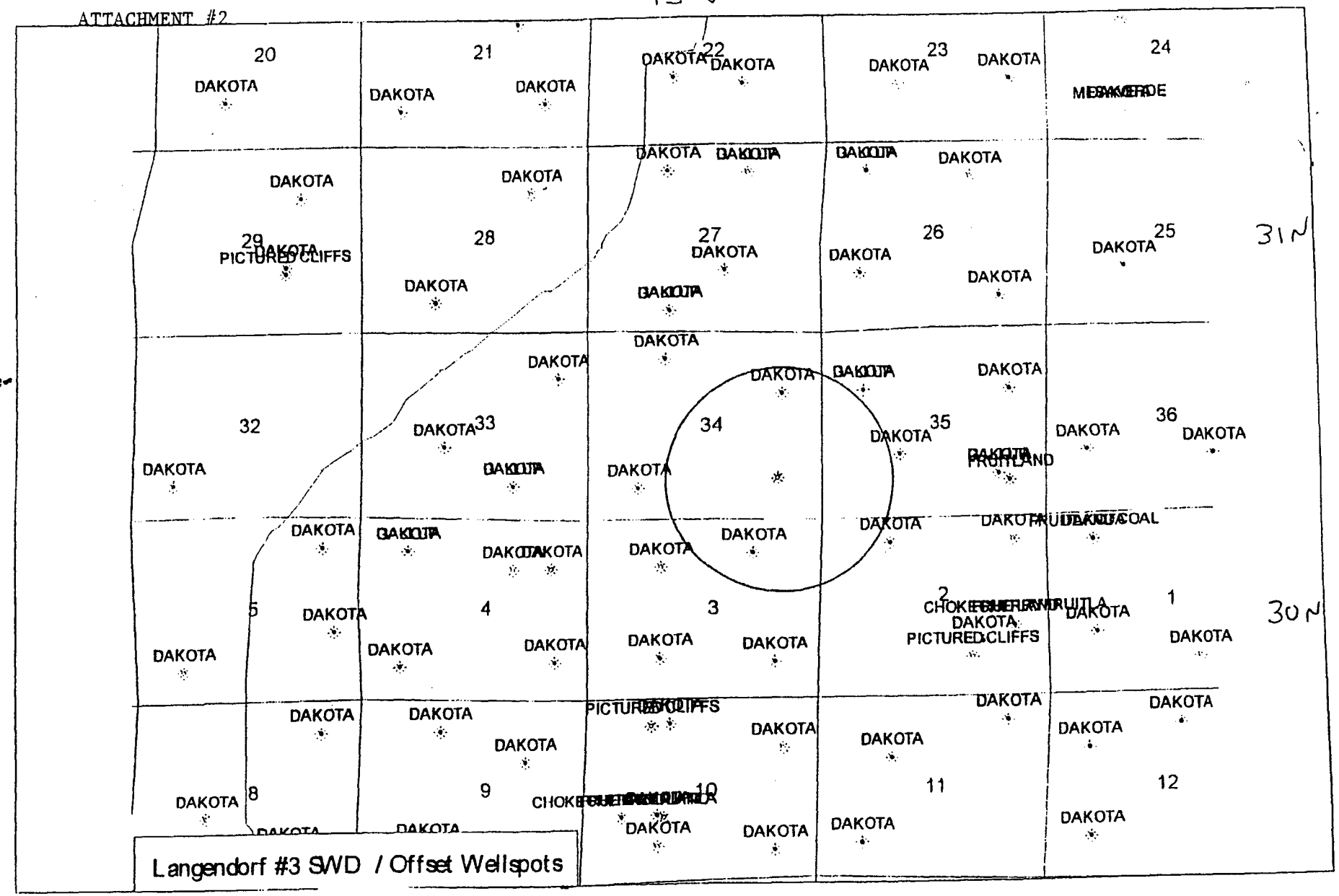


PowerTools Map

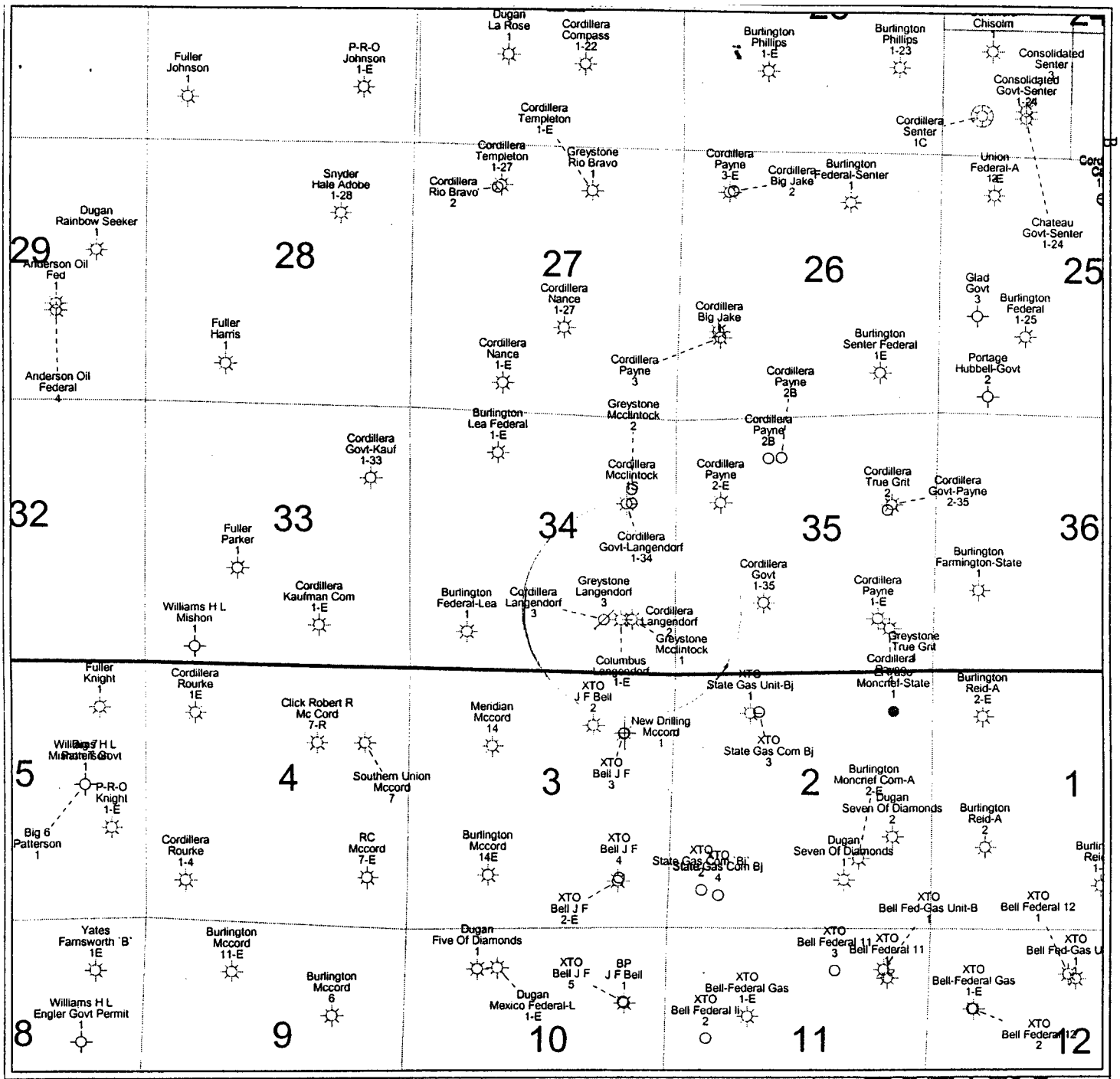
Project: C:\Program Files\IHS Energy\PTools30\PROJECTS\SWD_well.MDB

13 W

ATTACHMENT #2



(PRODUCING)



PETRA 8/25/2004 11:56:21 AM

PATINA
OIL & GAS CORPORATION

Langendorf 3

1097' FSL & 1439' FEL

Sec 34, T31N, R13W

San Juan CO., NM

0 3,000

FEET

POSTED WELL DATA

WELL - OPERATOR[POG]
WELL - WELL_NAME[POG]
Well Number

ATTACHMENT #2

ATTACHMENT 2

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-1
Supersedes
Effective

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
CONSOLIDATED OIL & GAS, INC.	LANGENDORF	3

Unit Letter	Section	Township	Range	County
O	34	31 NORTH	13 WEST	SAN JUAN

Actual Footage Location of Well: 1097 feet from the SOUTH line and 1439 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5860			

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

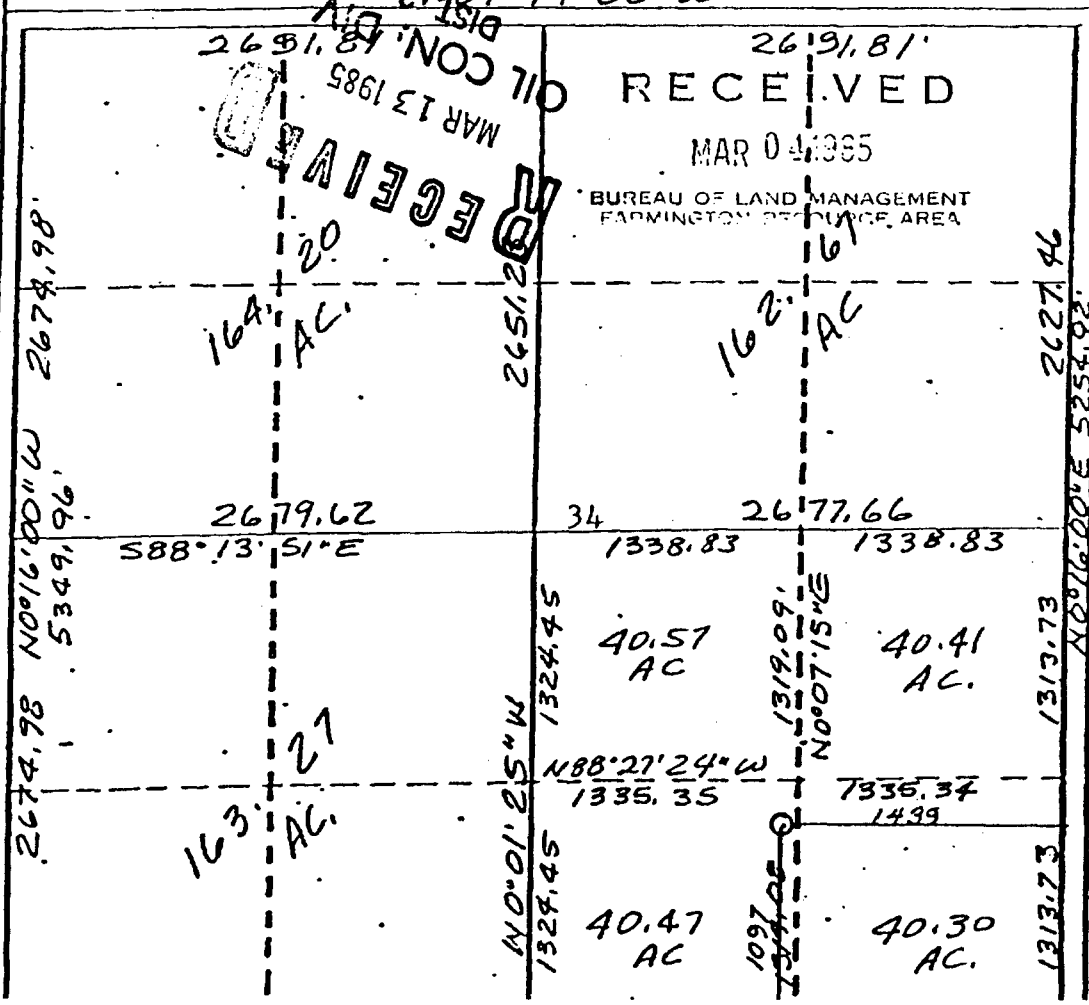
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to wo interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been con dated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse si this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitiza forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Com sion.



CERTIFICATION

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

Wayne Converse

Name: Wayne Converse

Position: District Engineer

Company: Consolidated Oil & Gas, I

Date: 2-25-85

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

GEORGE R. TOMPKINS NEW MEXICO 7259 REGISTERED LAND SURVEYOR

Date Surveyed: February 22, 1985

Registered Professional Engineer and/or Land Surveyor

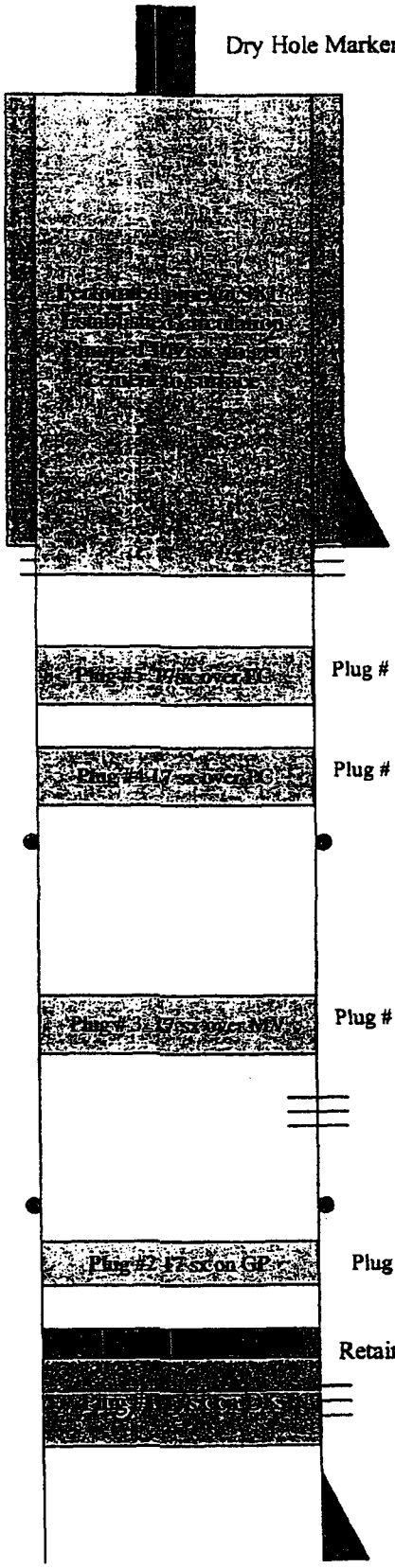
George R. Tompkins

ATTACHMENT #3
Langendorf #3
Sec. 34, T31N, R13W

Well histories – Area of Review
Wells within the prescribed one-half mile radius of the Langendorf 3 are as follows:

Operator	XTO Energy	Patina	Chateau Oil & Gas	Patina	The New Drilling Co
Well Name	J.F. Bell #2	Langendorf #1	Langendorf #1E	Langendorf #2	McCord #1
Location	1050' FNL & 1620' FEL	1750'FNL & 990' FEL	1100' FSL & 1100' FEL	1110' FSL & 675 FEL	110-' FNL & 985 FEL
S-T-R	3, T30N, R13W	34, T31N, R13W	34, T31N, R13W	34, T31N, R13W	3, T30N, R13W
Elevation	5800'	5730'	5886'	5879'	5856'
Status	Active	Active	P & A	P & A	P & A
Spud	9/7/66	10/18/60	6/1/80	3/22/84	8/28/56
TD	6681'	6557'	6835'	2155'	4570'
Mesaverde Penetration	YES	YES	YES	NO	YES
Zone(s)	Dakota	Dakota	Dakota & Mesaverde	Fruitland Snd	Mesaverde
Perfs	6510' – 6612'	6349'0-06467-	6521- - 6776' 4376' – 4654'	1756' – 1767'	4302' – 4492'
Surface Casing	None	None	None	None	7" @ 4274'
Surface Cement	225 sx none	130sx circulated	200 sx none	190 cu. .ft. circulated	10 ¾ " @ 177'
Intermediate Casing	None	None	None	None	7" @ 4274'
Intermediate Cement	DV Tools 4664' & 2055'	N/A	DV Tools 4773' & 2268'	N/A	150 sx None
Production Casing	4 ½" @ 6681'	5 ½" @ 6554'	5 ½" @ 6835'	4 ½" @ 2155'	5 ½" @ 4570'
Production Cement	1st stg – 525sx Circulated 2nd stg – 525sx Circulated 3rd stg – 475sx Circulated	1st stg – 275sx None Squeeze Cmting June – 85 Perfed MV and squeezed with 250sx	1st stg – 475sx Circulated 2nd stg – 430sx Circulated 3rd stg – 700sx Circulated P&A'd See Wellbore Diagram	1st stg – 375sx Circulated P& A'd Detail Diagram not attached since it did not penetrate disposal zone	1st stg – 50sx None Csg Cut & Well P&A'd See Wellbore Diagram

ATTACHMENT #3



Dry Hole Marker

Plug & Abandonment Schematic

Well Name: Langendorf #1E

Section 34, T-31N-R13W, 1100' FSL & 1100' FEL

San Juan County , New Mexico

Formation Tops:

Ojo Alamo - 294'	Pictured Cliffs - 1958'
Kirtland - 331'	Mesa verde - 3560'
Fruitland- 1552'	Gallup - 5649'
	Dakota - 5513'

Surface Casing: 8 5/8", 24#, @ 267' w/940 sxs, TOC - Surf

Plug # 5 1500' - 1650'

Plug # 4 1871' - 2021'

DV Tool Set @ 2268' Top of Cement @500"

Plug # 3 3464' - 3614'

Mesaverde Completion Interval: 4376' - 4654'

June -85 squeezed MV with 300sx (est. TOC @ 3021')

DV Tool Set @ 4733" Top of Cement @2427'

Plug # 2 5551'-5701'

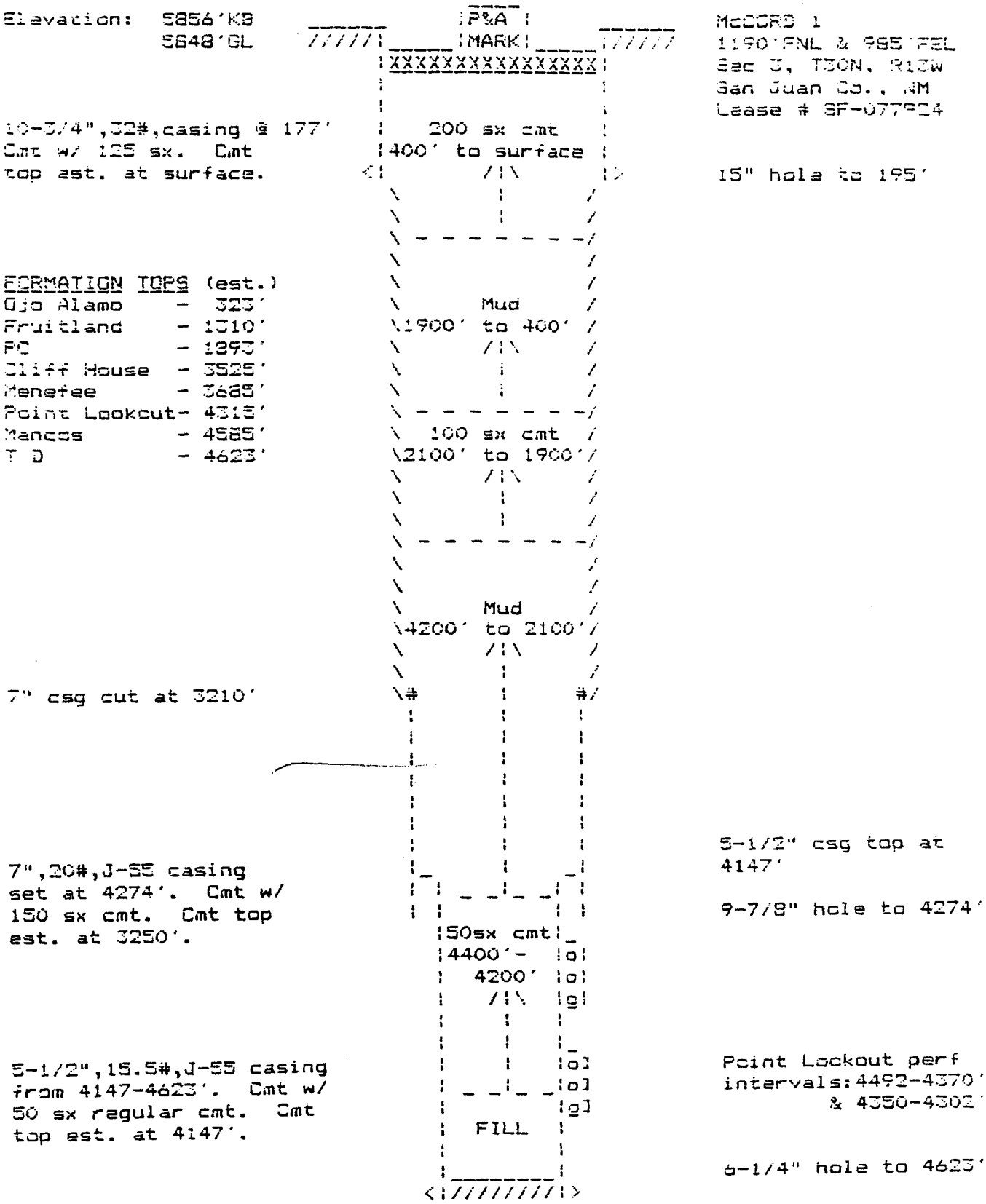
Retainer set @ 6450' sqz 17sx Class B (Covers DK) , 6300' - 6450'

Dakota Completion Interval: 6521' - 6790'

Production Casing: 5 1/2" 15.5# @ 6835' w/ 475 sx (TOC @ DV tool 4733')

ATTACHMENT #3

The New Drilling Company
Plug and Abandonment Schematic
for Mesaverde Completion



*NOTE - All values were estimated from incomplete or

ATTACHMENT #4

Langendorf #3
Sec. 34, T31N, R13W

Proposed Disposal Operation

1. The Proposed injection well will be used to dispose of produced water from Patina operated wells. Water will be initially trucked from these wells to the injection well. Patina will be drilling several coal wells in the year 2004. These well additions coupled with Patina's current operations require improved injectivity. The resulting improved injectivity from disposing of water in the Cliffhouse and Point Lookout zones should allow Patina to dispose of all water from existing wells plus the new drills.

   Maximum Daily Disposal Rate: 800 BWPD
   Average Daily Disposal Rate: 500-800 BWPD

2. Formation fracture gradient for the Cliffhouse in the area is estimated to be 0.59 psi/ft based on a review of completion attempts in the township. A review of bottom hole pressure data from 7 day SI tests run in the township indicate an average formation pressure gradient of 0.32 psi/ft. This indicates we should be able to pump into this zone with very little pressure since the head of water will overcome formation pressure and friction will be negligible due to the low daily rtes of disposal.

   Maximum surface pressure will be held to 1000 psi unless the step rate tests determine a different injection surface pressure max.

3. Water Analysis mg/l

Well Name	Zone	Na	Ca	Mg	Fe	Cl	Bicarb	SO4	CO3	OH	TDS	Rw	Location
Cain 2	FR	7,310	88	51	7	10,900	1,147	37	0	0	19,552	0.345	SE/NE 25-31N-13W
Clayton 1E	GP	323	0	5	44	500	25	4	0	0	856		SE/SE 2-30N-12W
Clayton 2A	MV	1,600	32	5	47	2,400	219	-	0	0	4,261	1.530	SE/SE 2-30N-12W
Jackson 2E	DK	904	40	8	84	1,300	146	77	0	0	2,476	1,940	SW/SE 18-31N-13W
Kline 1M	MV	8,137	133	89	6	12,000	305	1,200	0	0	21,866	0.272	NE/SE 10-31N-13W
Oshea 1M	MV	5,330	84	46	12	8,300	353	4	0	0	14,129	0.402	SE/NW 3-31N-13W
Tafoya 1A	MV	1,123	56	14	25	1,300	122	667	0	0	3,283	1.900	SE/NW 35-32N-13W
Wilmerding 1E	DK	12,294	2004	607	61	23,000	183	1,575	0	0	39,664	0.160	NE/NW 10-31N-13W

4. The Cliffhouse and Point Lookout zones are not capable of commercial production of oil or gas within the prescribed one mile radius. Water analyses are not available in the immediate vicinity. Water sample analysis of a Mesaverde test in NE/SE 10-31N-13W came from the Kline 1M as recorded above. Water samples mixed from wells in the La Plata area show a tendency to form CaCo3 scale. This scaling tendency can be chemically treated prior to injection.

ATTACHMENT #5

Langendorf # 3
Sec. 34, T31N, R13W

Proposed Stimulation Program

1. Re-perforating and an acid breakdown in the Point Lookout and Cliffhouse zones will be the only work done on this well initially. This will be done to ensure adequate communication between the wellbore and injection zone. Rate and pressure will be maintained so that the frac gradient (0.59 psi/ft estimated) is not exceeded. Additional matrix acidizing may be required in the future but will not be considered until the injectivity tests are analyzed.

ATTACHMENT #6

Langendorf #3
Sec. 34, T31N, R13W

Affirmative statement

1. I hereby certify that I have examined available geologic and engineering data and can find no evidence of connection between the disposal zone and underground drinking water sources.

October 7, 2004

Gary L. Ohlman
Senior Operations Engineer
Patina Oil & Gas

AFFIDAVIT OF PUBLICATION

Ad No. 50561

STATE OF NEW MEXICO
County of San Juan:

CONNIE PRUITT, being duly sworn says: That she is the CLASSIFIED MANAGER of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication and appeared in the Internet at The Daily Times web site on the following day(s):

Monday, October 04, 2004.

And the cost of the publication is $35.90.

Connie Pruitt

ON 10-5-04 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Jenny Beck

My Commission Expires April 2, 2008.

COPY OF PUBLICATION

LEGAL NOTICE

INTENT TO DISPOSE OF WATER IN THE SUBSURFACE

Patina Oil and Gas Corporation proposes to drill out the cast iron bridge plug in the Langendorf #3 disposal well and inject produced water into the Cliff House and Point Lookout zones of the Mesa Verde formation. Located 1925' FSL & 1355' FEL of Sec34-T31N-R13W, NMPM, San Juan County, New Mexico. The new depth of injection will be from 3558'-4612'. Maximum anticipated rate is 800 BWPD at a maximum surface injection pressure of 1000 psi.

1097 FSL
1439 FEL

Questions should be addressed to Patina Oil & Gas Corporation, Attn: Rad Seale, 5802 US Highway 64, Farmington, NM 87401, or call (505) 632-8056. Objections to the proposal or request for hearing by interested parties must be filed with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, NM 87505 within 15 days.

Legal No. 50561 published in The Daily Times, Farmington, New Mexico on Monday, October 04, 2004.

ATTACHMENT #7B

Certified Mailing List

XTO Energy
San Juan District Office
2700 Farmington Avenue, Building K, Suite 1
Farmington, NM 87401

New Mexico Oil Conservation Division
Attn: Mark E. Fesmire, P.E.
Director
1220 South St Francis Drive
Santa Fe, NM 87505

New Mexico Oil Conservation Division
1000 Rio Brazos
Aztec, NM 87410

Bureau of Land Management
1235 La Plata Hwy, Suite A
Farmington, NM 87401