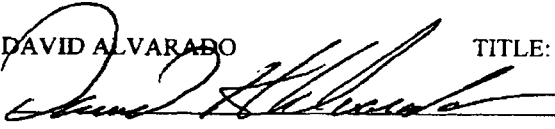


**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: \_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance XX Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval? XX Yes \_\_\_\_\_ No
- II. OPERATOR: Basic Energy Services  
ADDRESS: P. O. Box 10460 Midland Texas 79702  
CONTACT PARTY: Lyn Sockwell PHONE: 432.620.5500
- 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 XX 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.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate 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.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground 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: DAVID ALVARADO TITLE: SE NM DISTRICT FLUID MANAGER  
SIGNATURE:  DATE: 1/25/11  
E-MAIL ADDRESS: david.alvarado@basicenergyservices.com 575.746.2072
- \* 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

- 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.**

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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.



Basic Energy Services, LP  
New Mexico Fluid Services

Per New Mexico Oil Conservation Division Rules and Regulations, please find enclosed a copy of NMOCD form C-108.

Basic Energy Services, LP, P.O. Box 10460, Midland, Texas 79702 had filed the form C-108, (Application for Authorization to Inject), with the New Mexico Oil Conservation Division.

Basic Energy Services, LP is seeking administrative approval of the conversion of the Belco State #002, API# 30-015-25433, 2310 FNL & 1980 FWL, Unit "F", Section 20, Township 23 South, Range 28 East, Eddy County, New Mexico from a temporarily abandoned oil well to a South Loving Delaware commercial salt water disposal well. The disposal interval would be from the top of the South Loving Delaware from 2,454 - 5,865 feet.

Disposal fluid would be produced water trucked in from numerous producing formations in South Eastern New Mexico only by Basic Energy Services trucking department. Basic Energy Services anticipates a disposal rate of 1500 BWPD with a maximum disposal rate of 3,400 BWPD.

We anticipate a disposal pressure of 600 PSI with a maximum disposal pressure of 1,000 PSI. The well is located half mile north of Loving and half mile West on London Road from Highway 285.

All interested parties opposing the aforementioned, must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505, within 15 days. Additional information can be obtained by contacting Lyn Sockwell at (432) 620-5500.

Sincerely,

Lyn Sockwell  
Director of Environmental  
Basic Energy Services, LP  
P.O. Box 10460  
Midland, Texas 79702  
Phone: (432) 620-5500  
[lyn.sockwell@basicenergyservices.com](mailto:lyn.sockwell@basicenergyservices.com)

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO
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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

- [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.

DAVID ALVARADO

Print or Type Name

*David Alvarado*

Signature

SE NM DISTRICT MANAGER

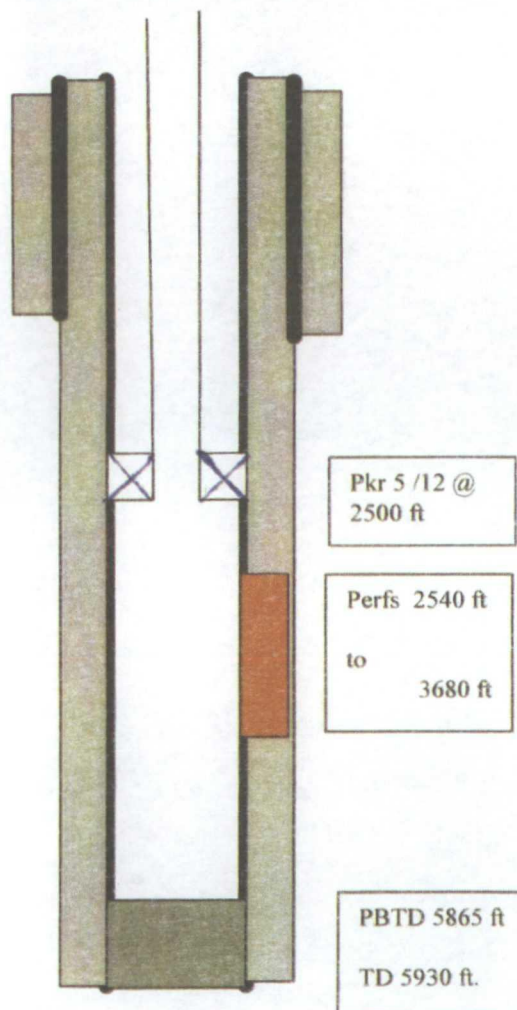
Title

1-25-11

Date

david.alvarado@basicenergyservices.com  
 e-mail Address

## INJECTION WELL DATA SHEET

OPERATOR: BASiC Energy ServicesWELL NAME & NUMBER: Belco State # 2 API # 3001525433WELL LOCATION: 2310 FNL & 1980 FWL F 20 23S 28E  
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 12 1/4" Casing Size: 8 5/8 24# J-55Cemented with: 200 sx. or                      ft<sup>3</sup>Top of Cement: Cir. to Surface 20sx to pit Method Determined: C-105 / C103Intermediate CasingHole Size: N/A No intermediate Casing Size:                     Cemented with:                      sx. or                      ft<sup>3</sup>Top of Cement:                      Method Determined:                     Production CasingHole Size: 7 7/8" Casing Size: 5 1/2 17# J-55Cemented with 665 poz /780 pacesetter sx. or                      ft<sup>3</sup>Top of Cement: Cir. / CBL starts 400' Method Determined: C-105 CBLTotal Depth: 5930 ft. PBTD 5865 ft.Injection Interval

2540 feet To 3680 ft. Perforated 2SPF  
~~3680'~~ 5865'  
 (Perforated or Open Hole; indicate which)

5846

### INJECTION WELL DATA SHEET

Tubing Size: 2 7/8 J-55 Lining Material: Plastic coated

Type of Packer: 5 1/2 Arrow set stainless steel nickel plated with profile nipple and on and off tool

Packer Setting Depth: Between 2530 ft and 2440 ft.

Other Type of Tubing/Casing Seal (if applicable): Possible CIBP or RBP 2540 ft. to isolate btm perms while testing.

#### Additional Data

1. Is this a new well drilled for injection? \_\_\_\_\_ Yes X No

If no, for what purpose was the well originally drilled? Belco # 2 was drilled as an Oil well

2. Name of the Injection Formation: South Loving Delaware Bell Canyon & Cherry Canyon

3. Name of Field or Pool (if applicable): South Loving Delaware

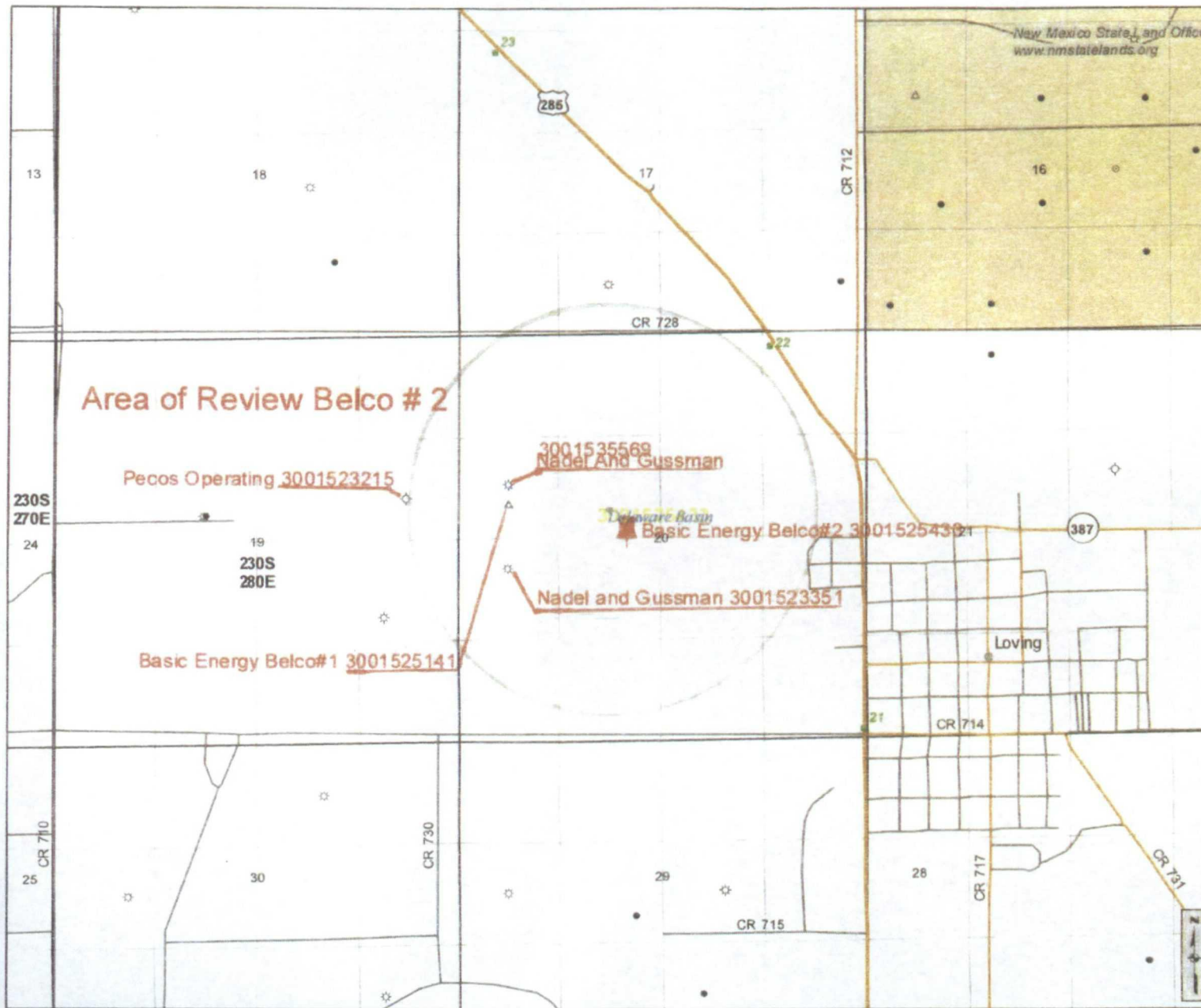
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. \_\_\_\_\_

Belco # 2 has been perforated from 5846 to 5865 ft it has not been plugged due to possible future injection.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Formation information from Nadel and Gussman's Cronos well in AOR

Underlying injection is Bone Springs at 5955 ft. Overlaying injection is Lamar Limestone at 2452 ft





# **New Mexico State Land Office** **Oil, Gas, and Minerals Land/Lease Information Map**

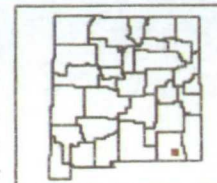
0.0 0.1 0.2 0.3 0.4  
Miles

Universal Transverse Mercator Projection, Zone 13  
1983 North American Datum

The New Mexico State Land Office assumes no responsibility or liability for, or in connection with, the accuracy, reliability or use of the information provided here, in State Land Office data layers or any other data layer.

Land Office Geographic Information Center  
logic@sls.state.nm.us

Created On: 2/21/2011 8:10:12 AM



## **LEGEND**

- County Seats
- ▲ SLO District Offices
- City, Town or Village
- ★ Volcanic Vents
- Highway Mileposts

### **NMOCD Oil, Gas Wells**

- Carbon Dioxide
- Gas
- Injection
- Miscellaneous
- Oil
- ▲ Salt Water Disposal
- ★ Water
- ◇ DA or PA

### **Federal Subsurface Ownership**

- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

### **State Trust Lands Ownership**

- Surface Estate
- Subsurface Estate
- Both Estates

### **State Lease Types**

- Commercial Leases
- Minerals Leases
- Oil and Gas Leases
- Agricultural Leases
- Oil, Gas Leasing Influenced By Restriction
- Not Available for Oil, Gas Leasing

### **Other Boundaries**

- Continental Divide
- State Boundary
- County Boundaries
- Oil and Gas Unit Boundary
- Participating Areas in Units
- Geologic Regions
- NMOCD Order R-111-P Potash Endave Outline

For detailed legend of the Geologic Map of New Mexico, please see <http://geoinfo.nmt.edu/>

**Tabulation of data on all wells of public record AOR**

Operator	Well Name	API # / Location	Location type	Spud date	Sur. Csg.	Int. Csg.	Production Csg.	Completion
Nadel & Gussman	Mercury Fee # 1	3001534241	G	8/2/2005	13 3/8 48# H-40	9 5/8 40# N-80 /	5 1/2 17# HCP-110	9/11/2005
		I-19-23S-28E			420' 400sx	P110 6100'	SP-110, / Q-125	12382'-12394
						1800 sxs circ	12730'-11428'	Morrow
							1410'-11319'	
							surf 1410'	
Nadel & Gussman	Lakey Com # 1	3001523351	G	6/15/1980	20" 65# 450'	10 3/4 2,415'	5" 12,330'	10/28/1980
		L-20-23S-28E			750 sxs Circ.	2,175 sxs Circ.	730 sxs	12,408-16
						7 5/8 9,615'		12419-26
						1,610 sxs T/ 2030		12,498-505
								Morrow
Ray Westall	Belco # 3	3001525134	O/G	N/A	N/A	N/A	N/A	South Culebra
		M-20-23S-28E						Bluff BS
Nadel & Gussman	Cronos Fee # 1	3001535569	G	6/13/2007	13 -3/8 48#	9-5/8 40# N-80	5-1/2 17# P110LTC	Loving Morrow
		E-20-23S-28E			H-40	6,000'	12,650'	
					400' 225sxs Circ.	1,725 sxs	1207sxs	
						368sxs Circ.	TOC 7,650'	
Basic Energy Services	Belco # 1	3001525141	S	1/11/1985	8-5/8 24# J-55	N/A	5-1/2 17# J-55	South Culebra
		E-20-23S-28E			473' 280sxs class c		6500'	Bluff BS
					20sxs to pit		1st stage 575sxs	11/23/1999
							2nd stage 1050sxs	convret to SWD
Basic Energy Services	Belco # 2	3001525433	O	12/12/1985	8-5/8 24#	N/A	5-1/2 17#	S.Loving Delaware
		F-20-23S-28E			475' 200sxs Circ.		5930' 665sxs Circ.	



BASiC Energy Services  
Belco Sate # 002  
API # 30-015-25433  
2310 FNL – 1980 FWL  
Unit “F”, Section 20, T23S, R28E  
Eddy County, New Mexico

## Application for Authorization to Inject

### I

The purpose of this application is for administrative approval for the conversion of the Belco Sate # 002, API # 30-015-25433 from a temporary abandon well to a South Loving Delaware Salt Water Disposal.

### II

Operator:	BASiC Energy Services
Address:	P.O. Box 10460 Midland Texas
Contact Party:	Lyn Sockwell
Phone:	432.620.5500

### III

Please see Exhibit “A” and well data sheets.

### IV

This is not an expansion of any existing projects.

### V

Please see Exhibit “B” wells with in two mile radius and half mile radius of proposed well.

BASiC Energy Services  
Belco State # 002  
API # 30-015-25433  
2310 FNL – 1980 FWL  
Unit "F", Section 20, T23S, R28E  
Eddy County, New Mexico

## VI

A total of five wells were recorded that do penetrate our proposed injection well with in the half mile radius of the Belco # 2 and one well that was proposed to be drilled but was not drilled due to expired allotted time.

Please see the tabulation of data on all wells of public record on Exhibit "C"

## VII

This will be a closed system with an average of 1500 BWPD with an estimated amount 3400 barrels maximum disposal amount.

Basic Energy Services proposes an estimated pressure of 600 to 1000 PSI maximum amount at surface. Disposal fluid will be produced water trucked in from numerous producing formations in South Eastern New Mexico.

BJ services will conduct a full water analyzes with Chemical analysis of the disposal formation zone. A sample will be taken from the discharge side of the pump at the gathering system to compare its compatibility.

## VIII

The disposal Zone is the Top South Delaware 2454 feet through perforations from 5846-5865 ft. The upper portion from 2454 to 2489 is salt and from 2489 to 3930 showed to be sand and shale. No record was given below 3930 ft.

Please see Exhibit "D"

## IX

Basic Energy Services proposed intentions is to clean out to PBTD with bit and scraper then circulate hole clean set a RBP or CIBP @ 3780 ft isolating bottom from target perf shots.

Please see **Exhibit Procedure**

BASiC Energy Services  
Belco Sate # 002  
API # 30-015-25433  
2310 FNL – 1980 FWL  
Unit "F", Section 20, T23S, R28E  
Eddy County, New Mexico

**X**

All appropriate logs and test data on the well have been filed with the Division.

**XI**

All water wells with in one mile radius of AOR are not being pumped at this time of this report. Agricultural watering is supplied by a cannel from Avalon Lake North of Carlsbad.

Domestic use of water is supplied via pipe line with meter in the area of review.

**XII**

Available geological data has been examined and shows no evidence of faults or any hydrological connection between the disposal zone and any underground source of drinking water.

**XIII**

**Proof of Notice and Proof of Publication**  
**Please see Exhibit E**

**FEDRO & ASSOCIATES L. P.**

**GEOLOGIC CONSULTING**

**P. O. BOX 10872**

**MIDLAND, TEXAS 79702**

**(432) 557-2196**

**fedrobob2@yahoo.com**

---

**Date: March 16, 2011**

**Invoice #: 03162011**

**Client: Basic Energy**

**Project: Belco #2 Log Analysis**

**County, State: Eddy, New Mexico**

**2.5 Hours @ \$130.00 / Hr.: \$ 325.00**

***Your business is sincerely appreciated!***

**FEDRO & ASSOCIATES L. P.**

**GEOLOGIC CONSULTING**

**P. O. BOX 10872**

**MIDLAND, TEXAS 79702**

**(432) 557-2196**

**fedrobob2@yahoo.com**

**March 16, 2011**

**To: D. Linebarger**

**From: B. Fedro** 

**Subject: Bell Canyon Log Analysis -**

**Ray Westall Belco #2 (API # 30-015-25433)**

**As requested, the captioned well was analyzed using standard openhole logs for the potential producibility of the Bell Canyon sands from 2530' - 3720' as displayed on the attached composite Density-Neutron / Dual Laterolog. Based on this analysis and looking at area production, your proposed perforations and plans to inject produced water into this wellbore will not damage potential oil and gas pay zones. In other words, the answer to the OCD's question is there are no potential oil and gas pay intervals involved in your proposed disposal zones, therefore there should be no problem geologically to stand in the way of approval. I would recommend running a cement bond log to confirm top of cement and to check the overall behind pipe cement integrity if this has not already been performed.**

**Thanks again for the opportunity to provide assistance to Basic Energy in this area, and don't hesitate to call if you have any questions.**

DATE	12/22/85	TIME	10:07:30
WELL NAME	EDDIE HILL 2	FILE	5
SERVICE	1 20TH	DATE	12/22/85
REVISION	FS/SL REV 0007 VER 5	MODE	RECORD

**Drillpress Atlas**  
COMPANIED NEURON  
COPPER RAY

RECEIVED BY  
JUL 23 1986  
O. C. D.  
C. C. D.

COMPANY: RIT ASSOCIATES  
WELL: EDDIE HILL 2  
FIELD: SOUTH LANE OIL FLD  
COUNTY: ELLIOTT  
LOCATION: STATE: TEXAS  
OTHER SERVICES: PLANNING

SECTION: TWP 24S. R. 12E. SEC. 12  
DATE: 12/22/85  
TIME: 10:07:30

WELL NAME: EDDIE HILL 2  
FILE: 5  
DATE: 12/22/85  
MODE: RECORD

REPRODUCED BY  
Petroleum Information  
MIDLAND, TEXAS 79701

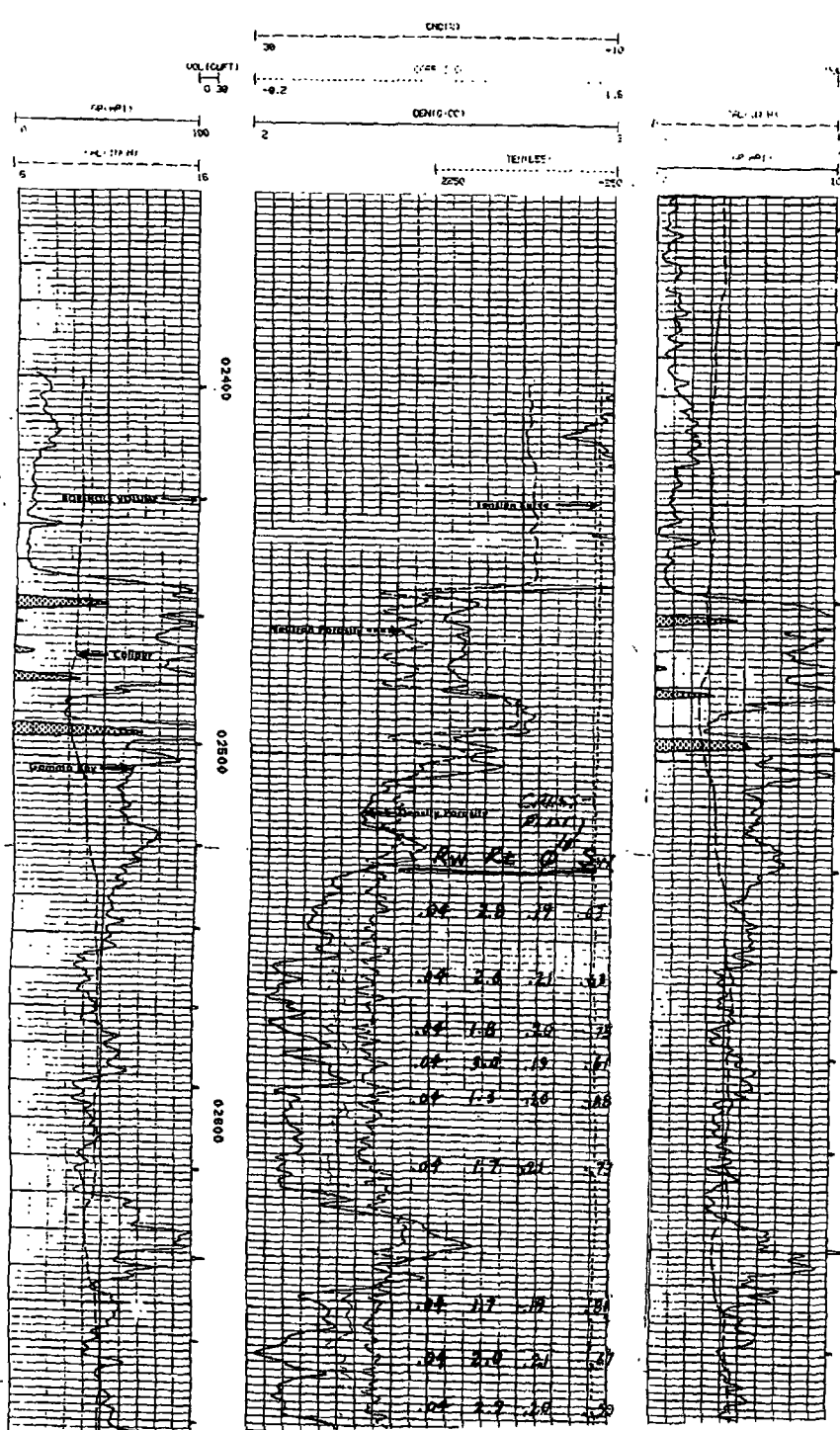
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15 COMPLETED RECORDS

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HP DATE  
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COPY: 1  
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SERVICE: 1 20TH  
REVISION: FS/SL REV 0007 VER 5

RUN: 1  
TRIP: 1  
TIME: 10:07:30  
MODE: RECORD

WELL NAME: EDDIE HILL 2  
SERVICE: 1 20TH  
REVISION: FS/SL REV 0007 VER 5



2540' to  
2620'

2648' to  
2680'



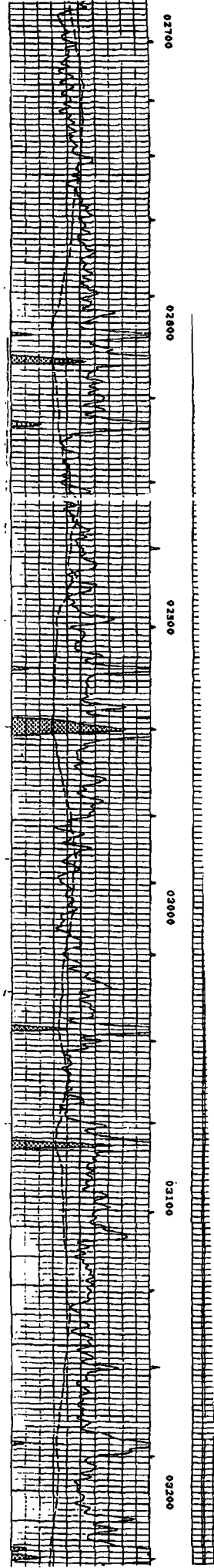
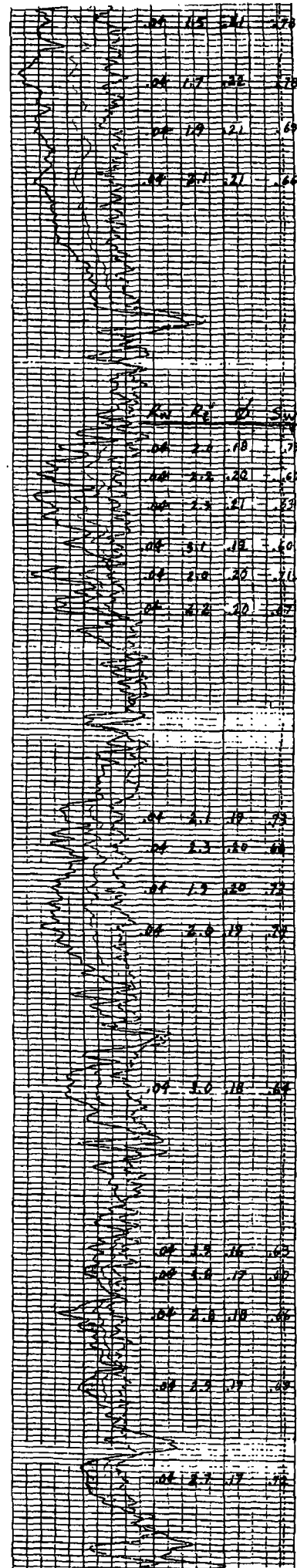
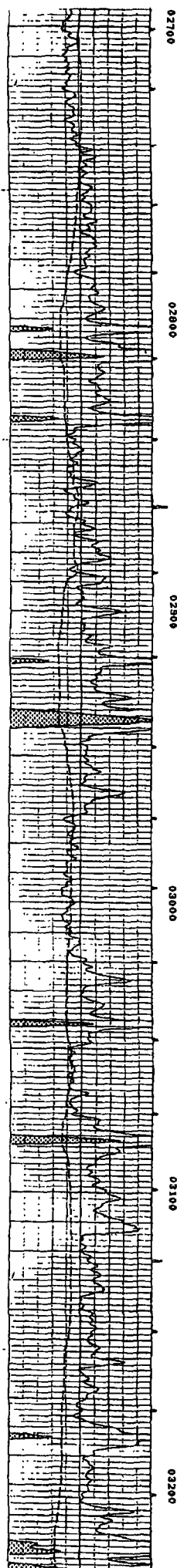
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2780'

2840' to  
2900'

2970' to  
3020'

3056' to  
3070'

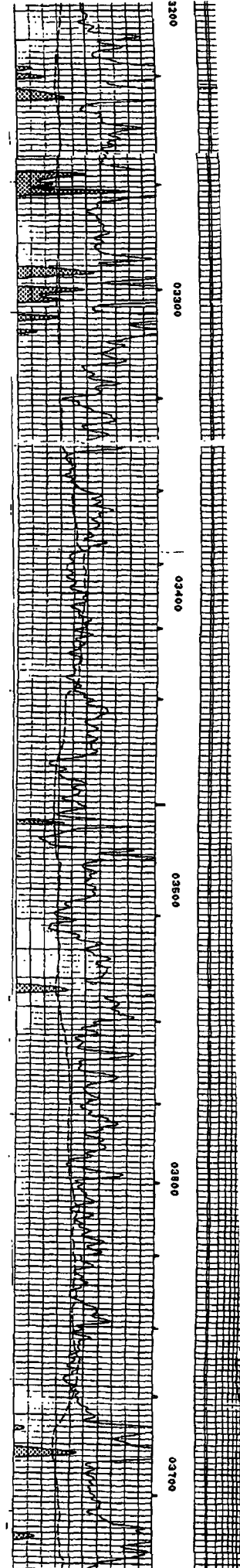
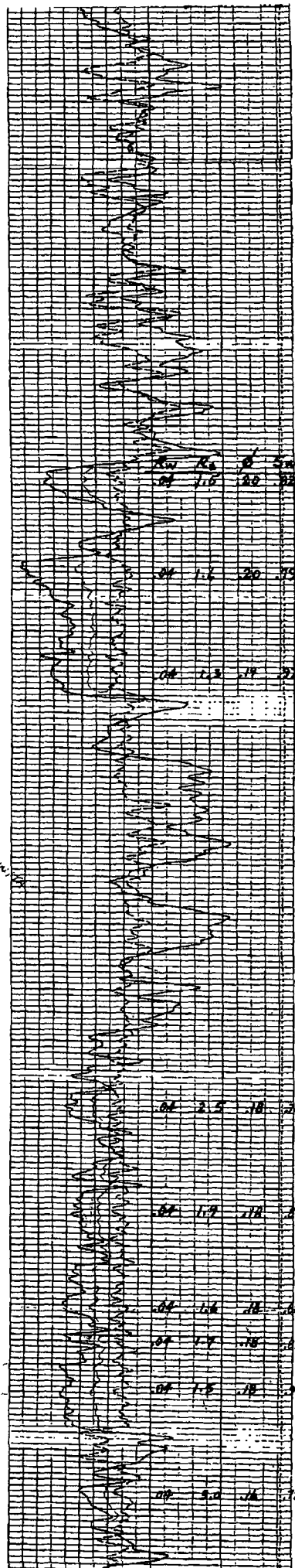
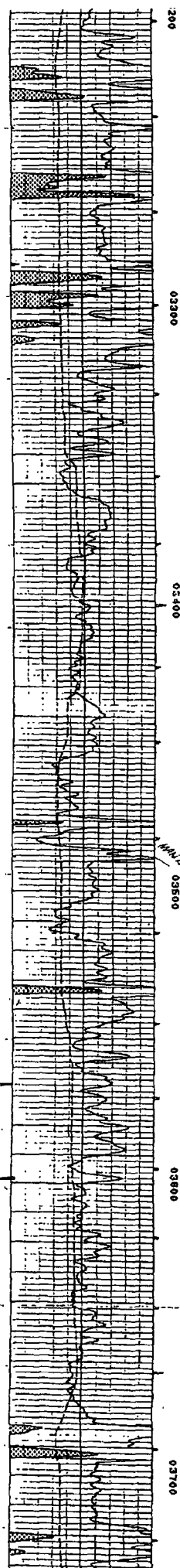
3135 to  
3145

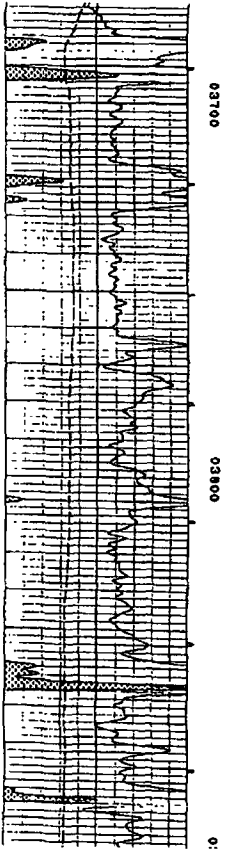
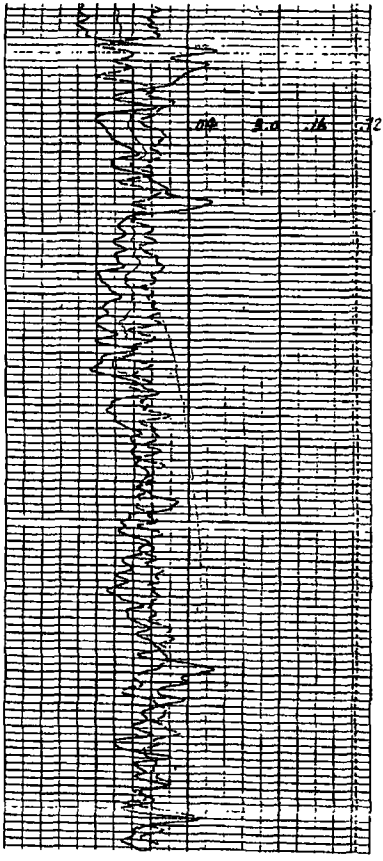
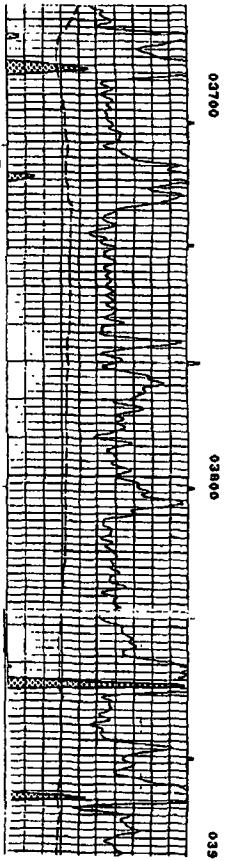
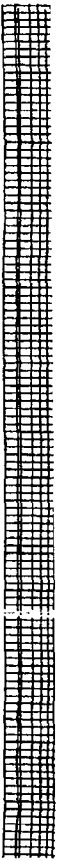


3354' to  
3364

3380' to  
3430

3595' to  
3680'

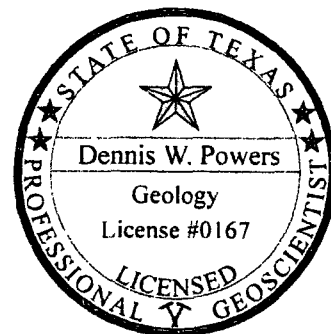




Cement Bond Logs from Belco #2  
(API# 30-015-25433)  
in Section 20, T23S, R28E,  
near Loving, NM

Dennis W . Powers, Ph.D.  
*Consulting Geologist*  
Anthony, TX

March 3, 2011



This report is confidential to Basic Energy  
Services and may not be used for any other  
purpose

## Basic Energy SWD Well Cement Bond Log – Loving NM

### General Information

Basic Energy Services is applying for permission to use Belco #2 (API# 30-015-25433), located in section 20, T23S, R28E, in Eddy County, NM, (Figure 1) as a salt-water disposal (SWD) well. I was contacted by email by David Alvarado on February 23, 2011, requesting my assistance in evaluating the isolation in the well annulus of halite and deeper proposed disposal intervals.

The proposed injection zone in this well is from 3680-2540 ft (Figure 2). As shown in the natural gamma-resistivity log (with caliper), the lowermost halite (Halite 1 of Castile Formation) has a base at 2240 ft (not corrected for KB). The cement bond log was run January 6, 1986, by Dresser Atlas. The log is an acoustic cement bond logs (VDL) with gamma ray. The well was completed March 1, 1986 (Form C-105, dated July 28, 1986).

Two main stratigraphic units are represented in the interval of interest (Figure 2). The contact between the Delaware Mountain Group (Bell Canyon Formation) and Castile Formation is at 2450 ft below KB at Belco #2. The Castile Formation above that shows clear evidence of

the lower five informal divisions (Anhydrite 1, Halite 1, Anhydrite 2, Halite 2, and Anhydrite 3, from base upward). The base of the lowermost salt unit (Halite 1) is interpreted as 2240 ft below KB.

The proposed injection zone for this well (3680-2540 ft) (Figure 2) therefore represents about ~300 ft of vertical separation from the base of closest halite (Figures 2, 3).

### Cement Bond Log

The cement bond log for Belco #2 shows two main indicators of the quality of the cement bonds in the annulus. The amplitude of the compressional wave (Figure 3; expressed on the log in CBL % from 0-100) is primarily used to indicate the quality of the cement bond with the casing. The variable density log (VDL) on the right hand side of the cement bond log is used to infer presence of cement and bond of cement to formation. This log is relatively standard for the time, although some other types have also been developed.

For the interval examined, the amplitude of the compressional wave is either very low or low, and the variation is related to lithology. Very low amplitudes are clearly associated with the salt interval and the upper Bell Canyon. Low amplitudes characterize the anhydrite intervals. Both cases indicate very good to good cement to casing bonds.

The VDL portion of the log shows variable responses also associated with lithology. The upper Bell Canyon (below 2540 ft below KB) shows good returns and variations that are related to the bedding units. These "wavy" characteristics are associated with good cement to formation bonds. The anhydrite sections show near parallel, strong VDL, with very short return times due to the high acoustic velocity

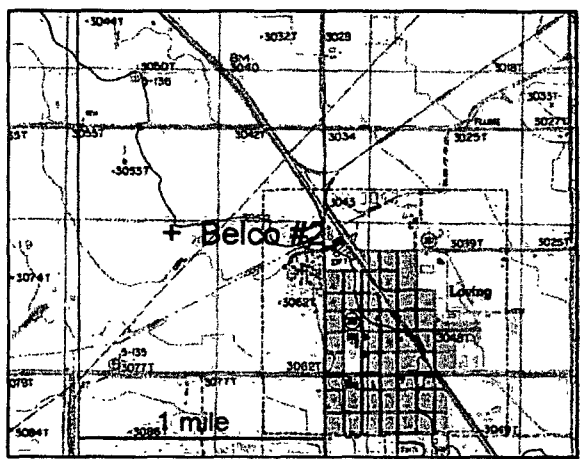


Figure 1. Location of Belco #2 (API# 30-015-25433).



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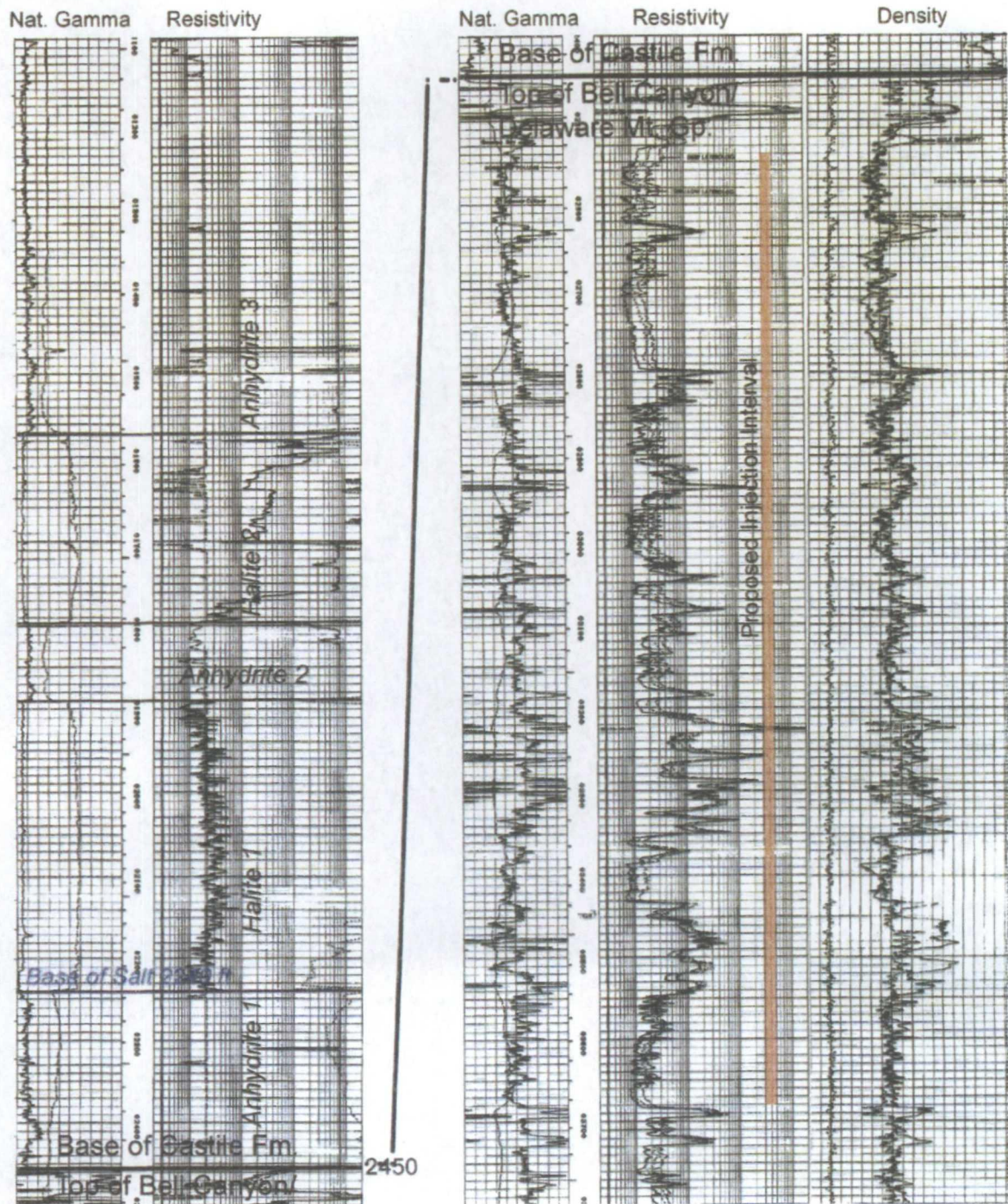


Figure 2. Location of injection interval relative to base of salt at 2240 ft (uncorrected for KB) in Belco #2. The base of salt is separated from the top of the injection interval by 300 ft; the rock interval includes 210 ft of basal Castile anhydrite ("Anhydrite 1") and 90 ft of upper Bell Canyon Formation (mainly Lamar Limestone). See Figure 3 for the cement bond log of the interval between salt and upper injection point.



# Basic Energy SWD Well Cement Bond Log – Loving NM

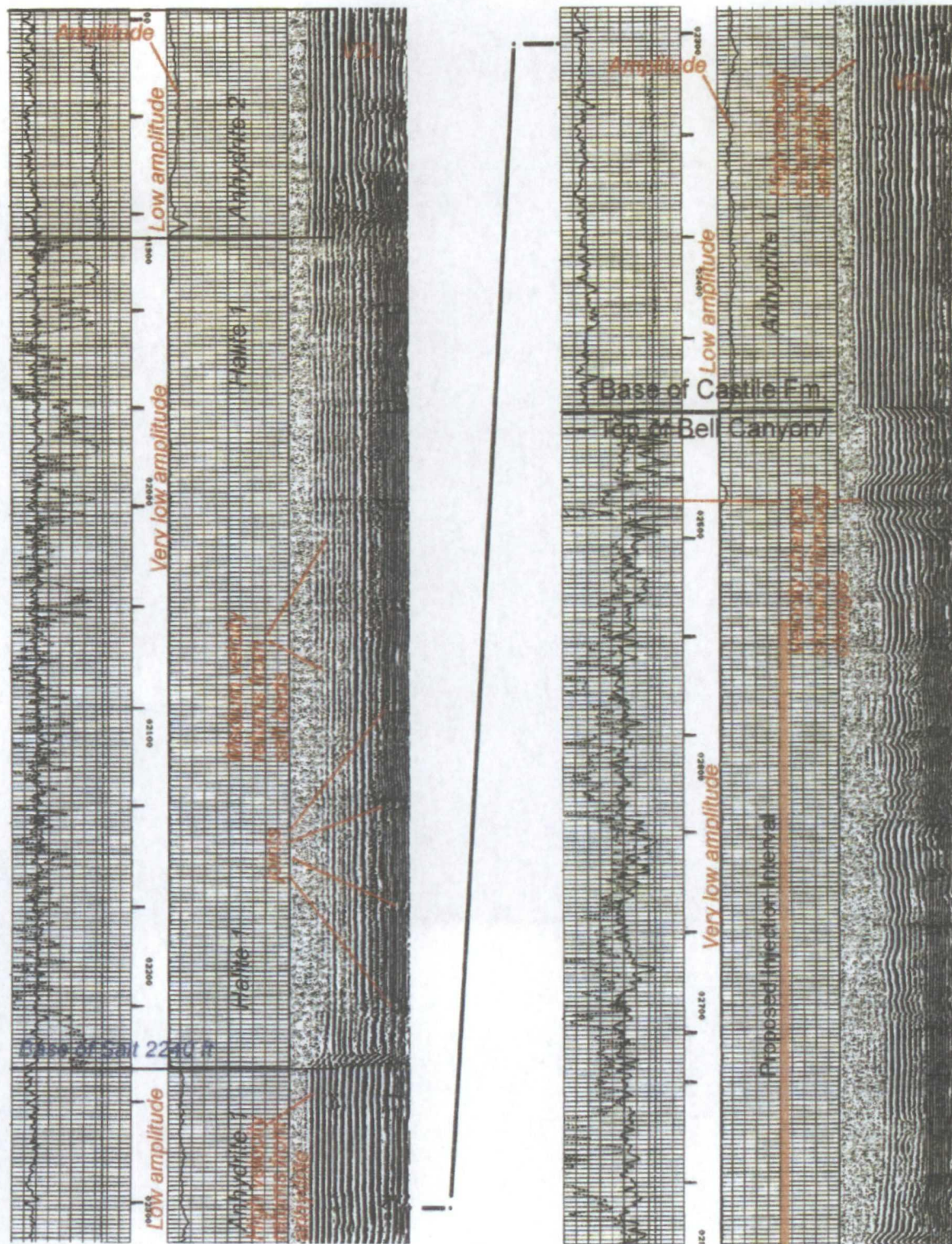


Figure 3. Section of cement bond log of Belco #2 from 1800-2800 ft, including the lowermost salt zone. Low and very low amplitudes indicate good casing-cement bonds, and the strong formation reflections tied to lithology indicate good cement-formation bonds.

## ***Basic Energy SWD Well Cement Bond Log – Loving NM***

of the dense, uniform lithology. These intervals also have low amplitudes (CBL%) and indicate good cement to formation bonds. The lower halite unit (Halite 1) shows good VDL returns, delayed some for lower acoustic velocity. The cement-formation bond shows some variation but overall good contact.

### **Summary**

The cement bond log from 1986 indicates that the Belco #2 well was well cemented, with good casing-cement-formation bonds from the upper Bell Canyon Formation through the lower halite bed of the overlying Castile Formation. Based on this log, I would expect the lower halite to be isolated from circulation behind the casing from injected fluids in the Bell Canyon.

High salinity waters being injected also help protect the halite from dissolution, and decreasing temperatures upward could also mitigate fluid migration by increasing salinity and possibly initiating halite cementation in local porosity.

If the wellhead configuration permits monitoring pressures behind the casing, this activity may be appropriate.

**EDDY** SEC 20, 235-28E

**SEC 20, 23S-20E**

[illegible]

REPRODUCED BY  
**Petroleum Information**

RIDLAND, TEXAS 79701

REFERENCE Y 6509K

\*459701\*

15 COMPLETED RECORD

**SPED DATE****COMP DATE**

257 RECORD

**APR NO. 30-015-25433**

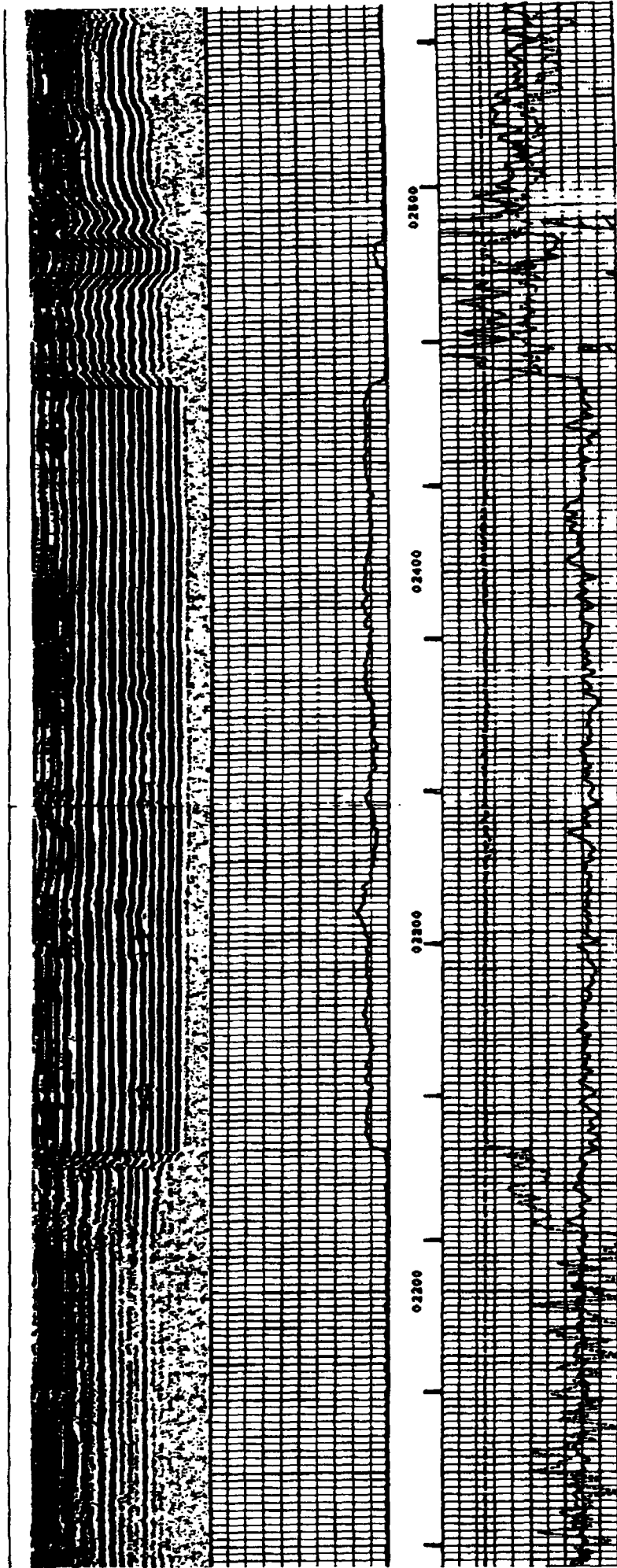
**CASING RECORD**

**THE SUBSURFACE LIBRARY®**  
P. O. BOX 644

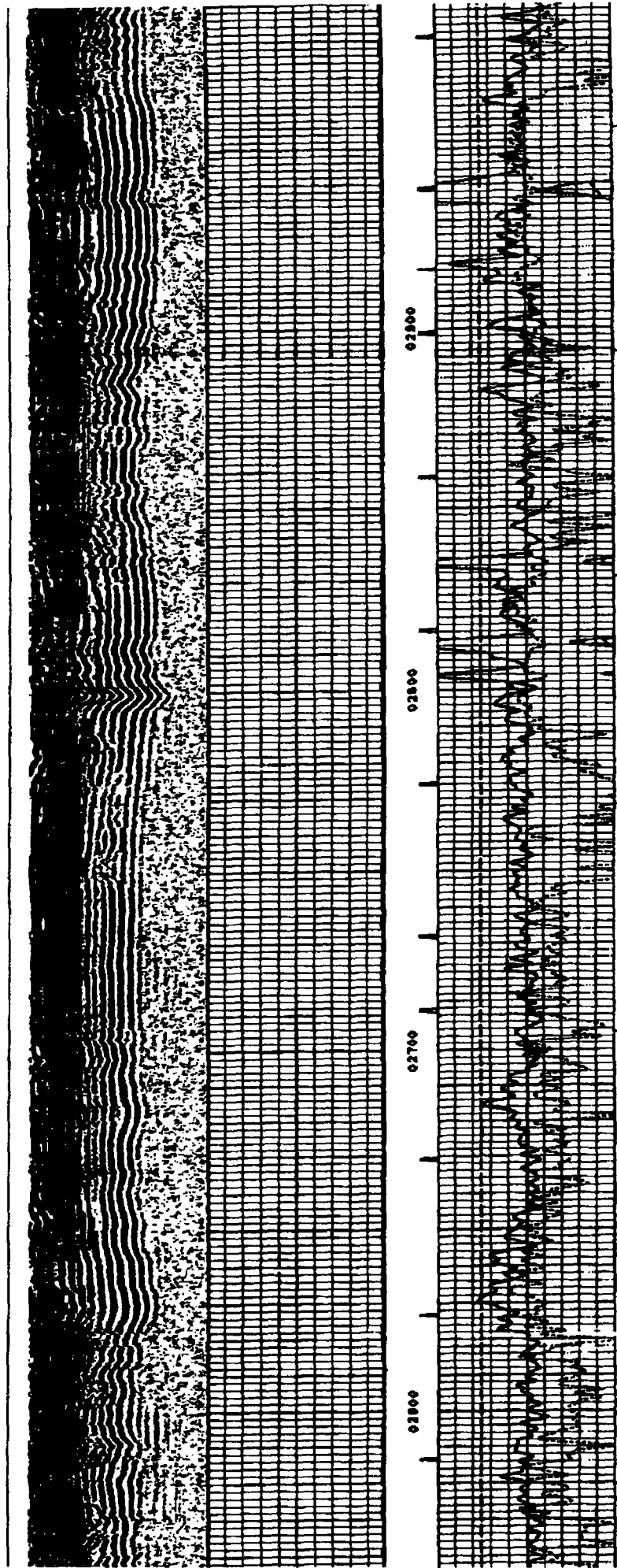
### PERFORATING RECORD

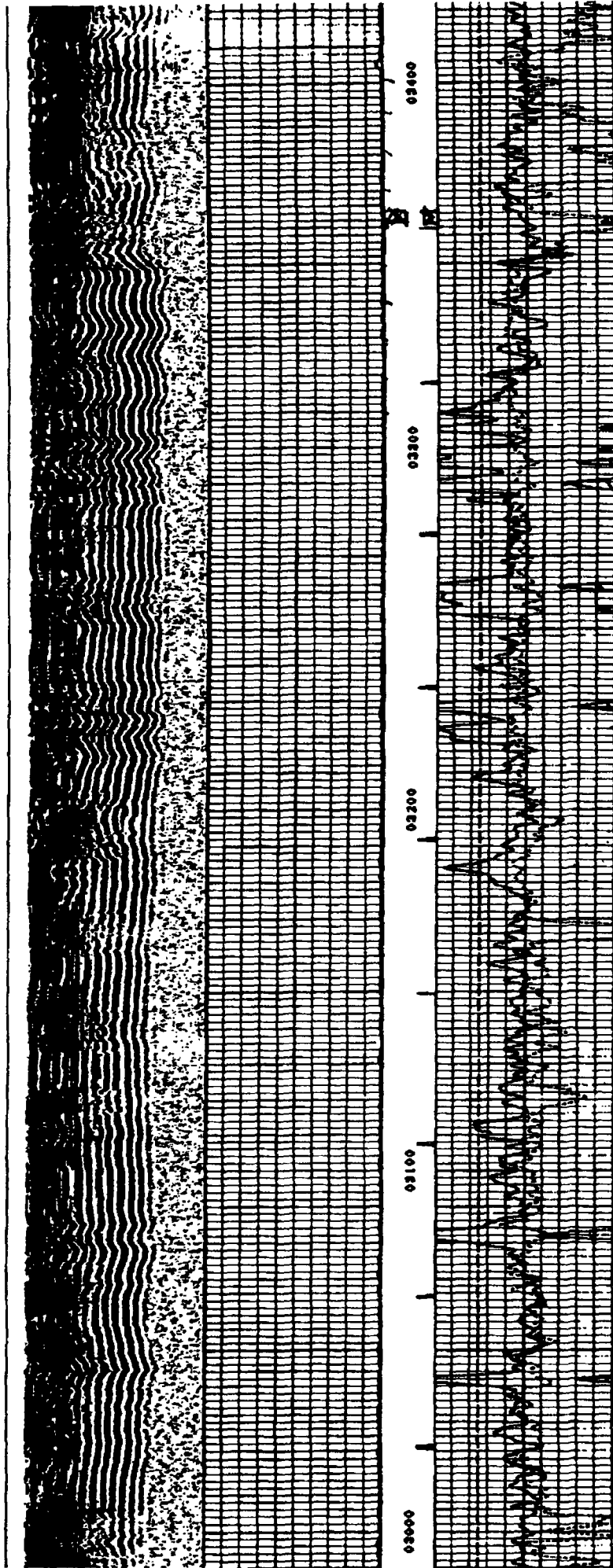
**MIDLAND, TEXAS 79702**

**ACID FRAC SNGT**



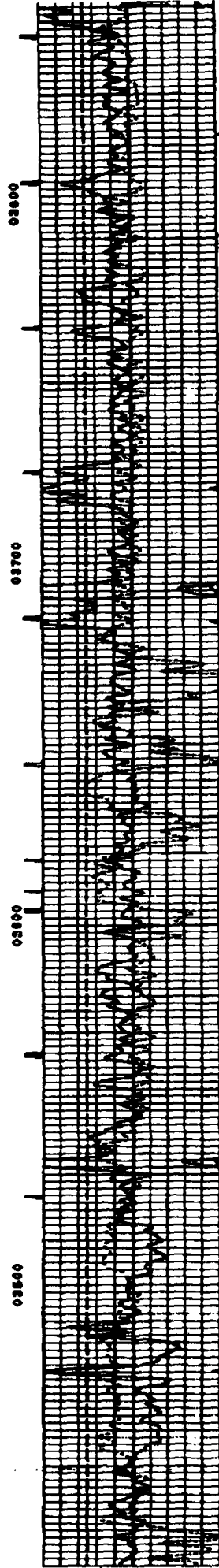
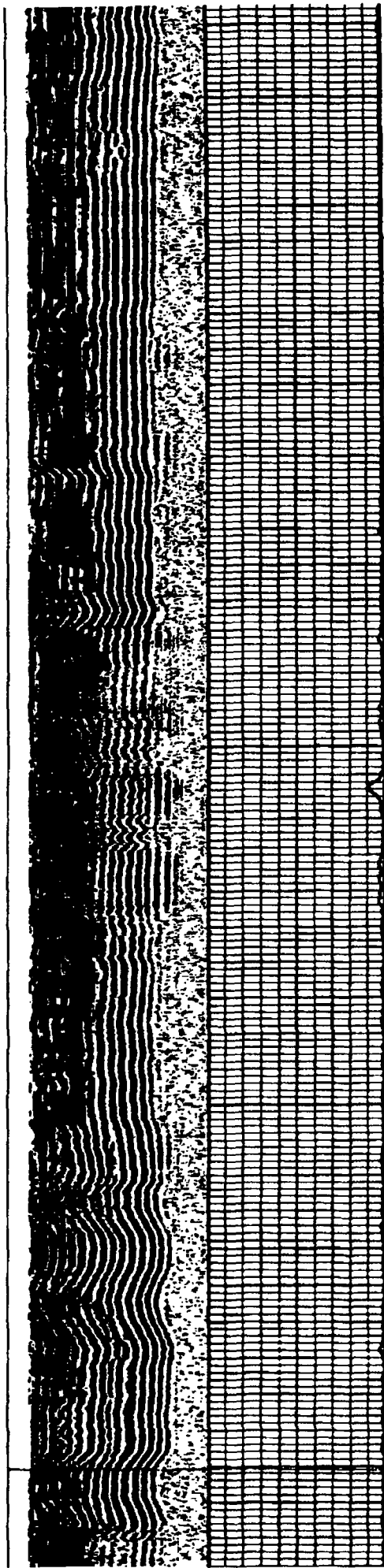






Top @ 5 1/2" HO-1  
Run 3364.55





**EDDY**

SEC 20, 23S-28E

<b>Dresser Atlas</b>		<b>DUAL LATEROLOG MICRO LATEROLOG GAMMA RAY</b>	
FILE NO.	COMPANY <b>RAY METALL</b>	RECEIVED BY	
API NO.	WELL <b>FIELD NO. 2</b>	<b>JUL 29 1986</b>	
	FIELD <b>SOUTH LOVING DEL MAR</b>	<b>O. C. D.</b>	
	COUNTY <b>EDDY</b>	<b>METALL OFFICE</b>	
	LOCATION: <b>1988' FM. &amp; 2318' FM.</b>	OTHER SERVICES	
	<b>SEC 20 TWP 23-S RGE 28-E</b>	<b>COL/CH/SL/CL</b>	
PERMANENT DATUM	GROUND LEVEL	ELEV. <b>3861</b>	ELEVATIONS
LOGGING MEASURED FROM	<b>N.B. 12</b>	FT. ABOVE P.D.	<b>N.B. 3861</b>
DRILLING MEASURED FROM	<b>KELLY BUSHING</b>	OF	<b>CL 3861</b>
DATE	<b>12/22/85</b>		
RUN	<b>1</b>		
SERVICE ORDER	<b>121861</b>		
DEPTH-DRILLER	<b>9728</b>		
DEPTH-LOGGER	<b>9723</b>		
BOTTOM LOGGED INTERVAL	<b>9728</b>		
TOP LOGGED INTERVAL	<b>SURFACE</b>		
CASING - DRILLER	<b>8 5/8</b>	<b>0 475</b>	
CASING - LOGGER	<b>478</b>		
BIT SIZE	<b>1 1/8</b>		
TYPE FLUID IN HOLE	<b>SALT GEL/BRINE</b>		
DENSITY / VISCOSITY	<b>10.2</b>	<b>40</b>	
PR / FLUID LOSS	<b>1.0</b>	<b>100</b>	
SOURCE OF SAMPLE	<b>PIT</b>		
RT RT REFS. TEMP.	<b>.873</b>	<b>0.35</b>	
RT RT REFS. TEMP.	<b>.852</b>	<b>0.35</b>	
RT RT REFS. TEMP.	<b>.888</b>	<b>0.38</b>	
SOURCE OF RT / RT	<b>REFS</b>	<b>10000</b>	
RT RT RT	<b>.875</b>	<b>0.214</b>	
TIME SINCE CIRCULATION	<b>2.5 HRS.</b>		
MAX. REC. TEMP. DEC. F	<b>114</b>		
EQUIP. NO. / LOC.	<b>HL 6284</b>	<b>MOBBS</b>	
RECORDED BY	<b>ALFONSO</b>		
WITNESSED BY	<b>HEARLS</b>		

REPRODUCED BY  
Petroleum Information  
MIDLAND, TEXAS 79701REFERENCE **Y 6509G**

\*459703\*

20 COMPLETION RECORD

SPUD DATE

COMP DATE

2ST RECORD

API NO. **30-015-25433** THE SUBSURFACE LIBRARY®  
P. O. BOX 2538  
MIDLAND, TEXAS 79702

CASING RECORD

PERFORATING RECORD

ACID FRAC SHOT

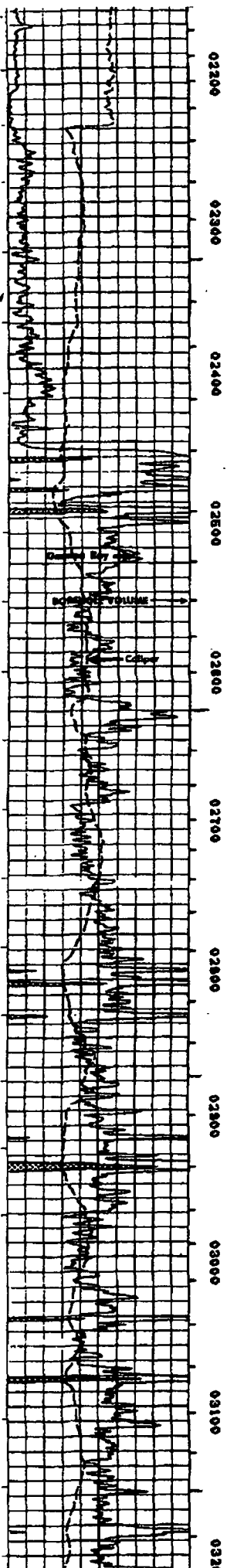
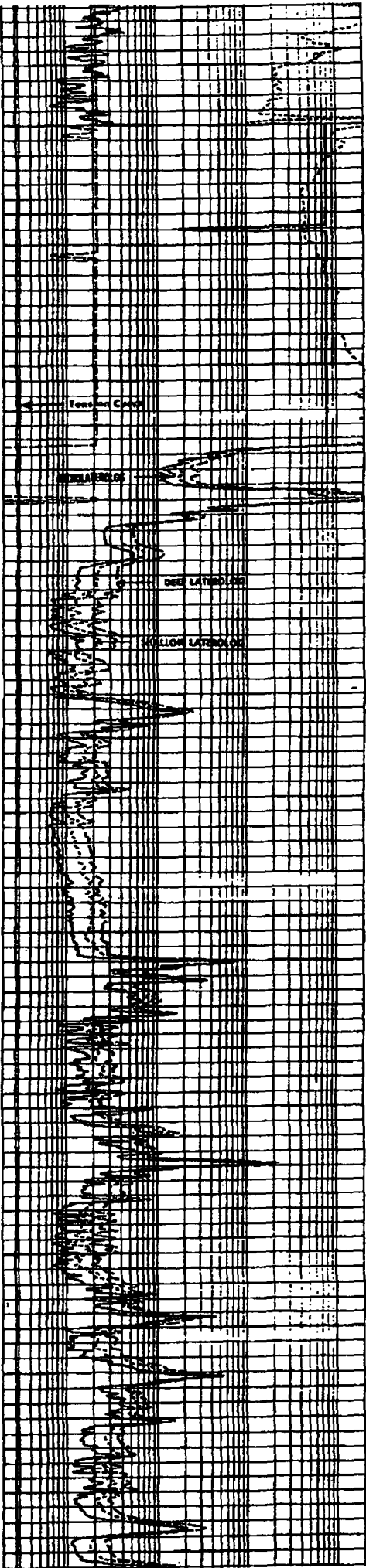
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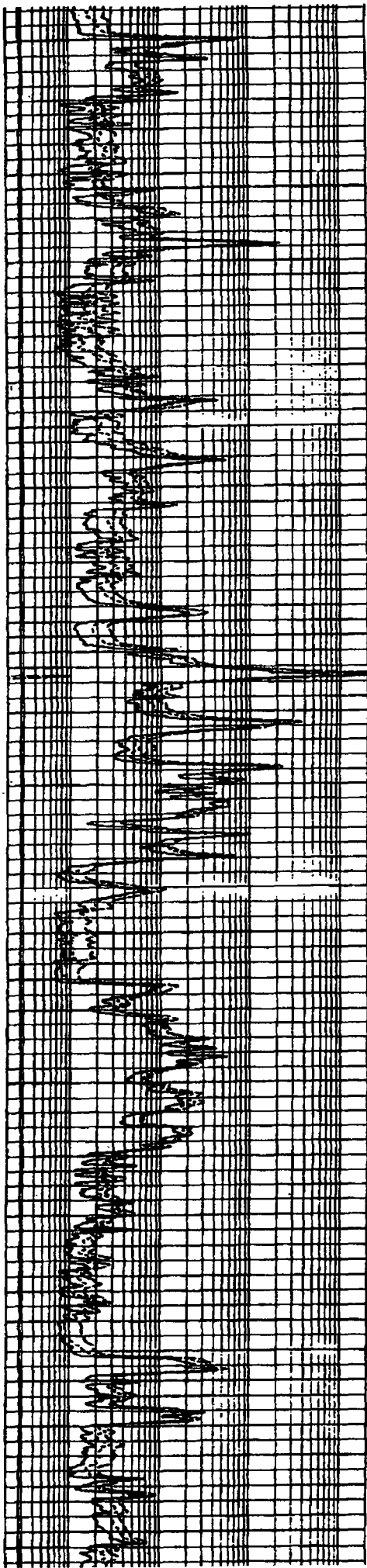
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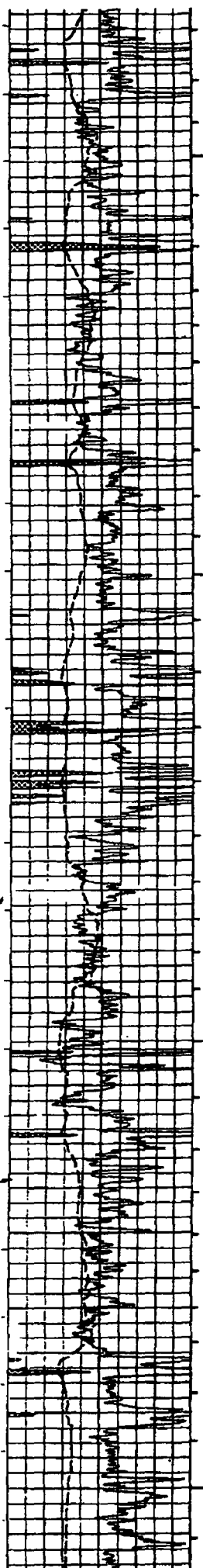
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02800 02900 03000 03100 03200 03300 03400 03500 03600 03700 03800



02800 02900 03000 03100 03200 03300 03400 03500 03600 03700 03800

**EDDY**

SEC 20, 23S-28E

<b>Dresser Atlas</b>		COMPENSATED <b>DENSILOG®</b>	
		COMPENSATED <b>NEUTRON</b>	
		<b>CHINA RAY</b>	
FILE NO.	COMPANY <b>RAY METALL</b>	RECEIVED BY	
	WELL <b>BELO NO. 2</b>	<b>JUL 29 1985</b>	
API NO.	FIELD <b>W SOUTH LIVING DELAWARE</b>	O. C. D.	
	COUNTY <b>EDDY</b>	STATE <b>NEW MEXICO</b>	
LOCATION: <b>1988' P.M. &amp; 2018' P.M.</b>		OTHER SERVICES	
<b>SEC 20 TWP 23-S RGE 28-E</b>		<b>ALL / ALL / ALL</b>	
PERMANENT DATUM	GROUND LEVEL	ELEV. <b>3857</b>	ELEVATION
LOGGING MEASURED FROM	K.B. <b>12</b>	FT. ABOVE P.D.	NO <b>3857</b>
DRILLING MEASURED FROM	<b>KELLY BUSHING</b>		OF <b>3857</b>
DATE	<b>12/22/85</b>		
RAW			
SERVICE ORDER	<b>121861</b>		
DEPTH-DRILLER	<b>5923</b>		
DEPTH-LOGGER	<b>5923</b>		
BOTTOM LOGGED INTERVAL	<b>5923</b>		
TOP LOGGED INTERVAL	<b>2488</b>		
CRUDING - DRILLER	<b>8 5/8</b>	<b>8 475</b>	<b>8</b>
CRUDING - LOGGER	<b>NOT LOGGED</b>		
BIT SIZE	<b>7 7/8</b>		
TYPE FLUID IN HOLE	<b>SALT DEL. BRINE</b>		
DENSITY / VISCOSITY	<b>18.2 48</b>		
PH / FLUID LOSS	<b>7.8 8/C</b>		
SOURCE OF SAMPLE	<b>PIT</b>		
API AT REFS. TEMP.	<b>.873</b>	<b>8 35</b>	<b>8</b>
API AT REFS. TEMP.	<b>.852</b>	<b>8 35</b>	<b>8</b>
API AT REFS. TEMP.	<b>.808</b>	<b>8 35</b>	<b>8</b>
SOURCE OF API / API	<b>REFS</b>	<b>8088</b>	<b>8</b>
API AT API	<b>.875</b>	<b>8 114</b>	<b>8</b>
TYPE STAGE CIRCULATION	<b>6.5 HRS.</b>		
API. REC. TEMP. DEC. F	<b>114</b>		
EQUIP. NO. / LOC.	<b>AL 626-9 110885</b>		
RECORDED BY	<b>ALEXANDER</b>		
WITNESSED BY	<b>MARBLE</b>		

REPRODUCED BY  
**Petroleum Information**

MIDLAND, TEXAS 79701

REFERENCE **Y 6509H**



\*459705\*

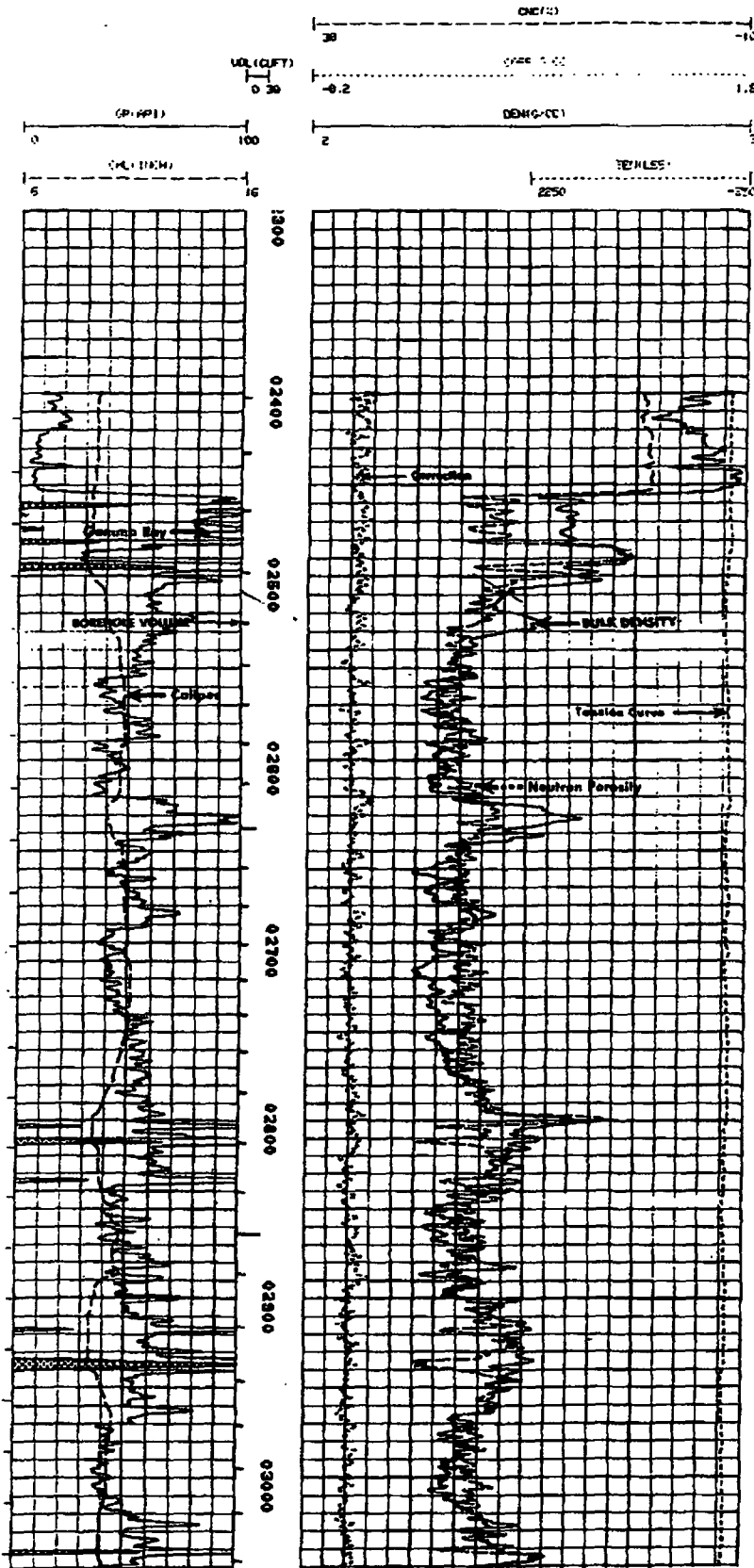
**15 COMPLETION RECORD**

SPUD DATE	
COMP DATE	
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API NO. <b>30-015-25433</b>	
CASING RECORD	<b>THE SUBSURFACE LIBRARY®</b>
	<b>P. O. BOX 2538</b>
	<b>MIDLAND, TEXAS 79702</b>
PERFORATING RECORD	
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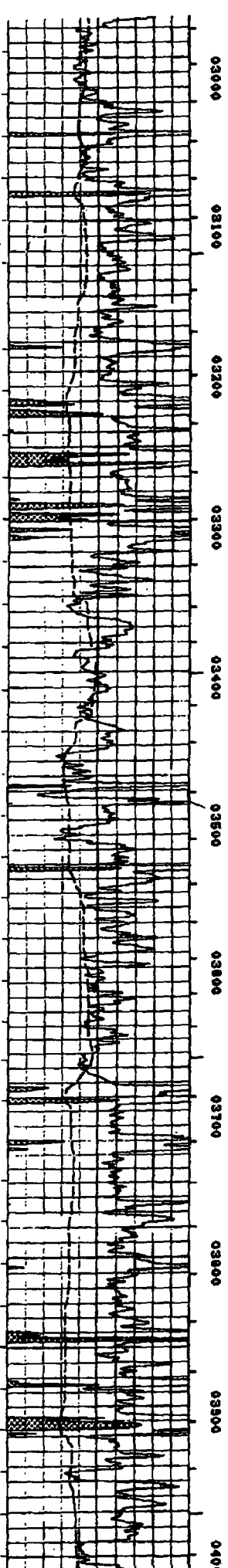
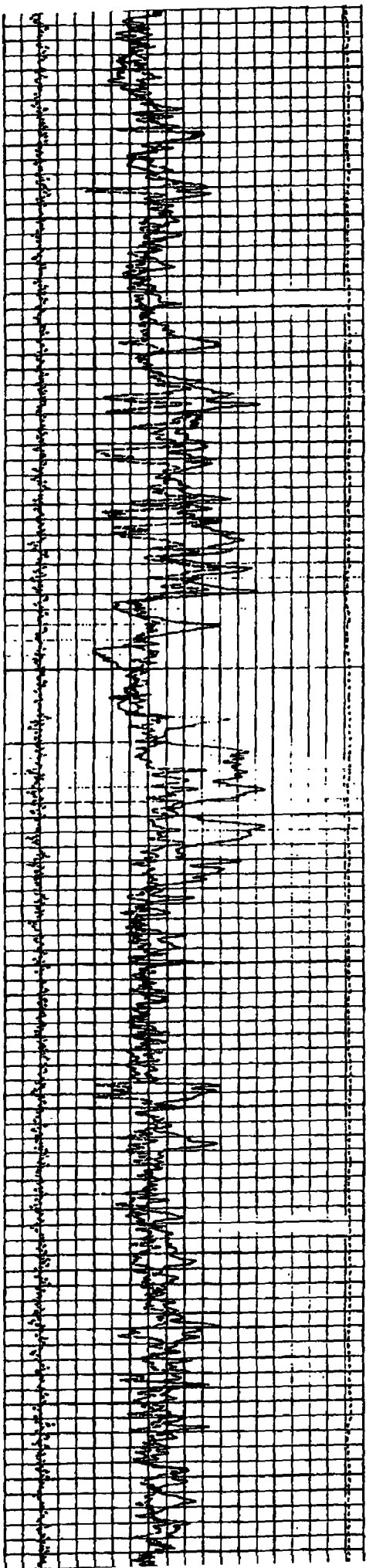
DISPLAY SCALE CHARTS

\*\*\* NONE \*\*\*

COMPANY: PAC MESTALL  
WELL NAME: BELCO NO. 2  
SERVICE: J 32TH FILE: 5 DATE: 12/22/85 TIME: 10:07:34  
REVISION: PSYSL REV 0007 VER 5 MODE: RECORD







## Belco # 2 API 3001525433 Procedure

### Rig days

- 1 RU move in Equipment
  - Racks 1- set
  - Working string 5925 ft 2 7/8 j-55
  - BOP / companion flange 2 7/8 X 8 5/8 900
  - Enviro pan with pit
  - Vac truck flow back well
  - RU reverse unit power swivel and pit
  - Fill pit up
  - 1 frac tank for brine storage
  - 1 frac tank extra
  - 1-blow down tank start to flow back and haul as needed

### Rig day

- 2 Vac truck flow back well if over balanced
  - Release Pkr. send with packer man to redress
  - Trip out of hole with existing tbq on rack
  - Trip in hole with working string scraper and 4 3/4 bit to TD
  - Trip out of hole with scraper and bit remove scraper
  - Trip in hole with tbq / two collars and bit to top of fill
  - RU swivel and break circulation reverse down to PSTD
  - Circulate clean for one hour
  - Trip out of hole with collars and bit
  - Trip in hole with RBP and set @ 3780 ft w/ 2 bags of sand
  - Place one joint of tbq in hole with TIW valve close BOP

### Rig day

- 3 Vac Truck flow back well if over balanced
  - Top csg. with H2O
  - RU Basic wire line and perf guns
  - Perf as Follows
    - 2,540 to 2,620 = 80' net pay at 2 spf = 160 perfs
    - 2,648 to 2,680 = 32' net pay at 2 spf = 64 perfs
    - 2,696 to 2,780 = 84' net pay at 2 spf = 168 perfs
    - 2,840 to 2,900 = 60' net pay at 2 spf = 120 perfs
    - 2,970 to 3,020 = 50' net pay at 2 spf = 100 perfs
    - 3,056 to 3,070 = 14' net pay at 2 spf = 28 perfs
    - 3,135 to 3,145 = 10' net pay at 2 spf = 20 perfs
    - 3,354 to 3,364 = 10' net pay at 2 spf = 20 perfs
    - 3,380 to 3,430 = 50' net pay at 2 spf = 100 perfs
    - 3,595 to 3,680 = 85' net pay at 2 spf = 170 perfs
  - NO wire line and release
  - Trip in hole with 5 1/2 casing mill shoe to 3690 ft
  - Circulate well bore one and half capacity @ 2.5 bpm

Rig day 4 ACID Stage 1 2.5 to 3.5 bpm top PSI not to exceed regulated amount  
5 - 8 pounds salt block per perf.

Check for PSI bleed if needed

TIH with 5 1/2 RBP/ 5 1/2 Arrow set and set RBP @ 3711ft

Bring btm. of Arrow Pkr. To 3680 ft. string acid to 3354 w / 15% NEFE

Set Pkr. 3322.5 ft

Treat perfs (3354 - 3364) (3380 - 3430) (3595 - 3680)

50 gal / foot

10ft / 20 holes	50 ft. / 100 holes	85 ft. / 170 holes
500 gal 15%	2500 gal 15%	4250 gal 15 %

Total Acid Stage one

7,250 gal 15 % W/ additives

Total Perf Holes

290 perf holes

2030bls rock salt

Rig day 5 Acid Stage 2

Check for PSI bleed if needed, TIH & Circulate top of RBP @ 3711ft. Release

TUH with 5 1/2 RBP/ 5 1/2 Arrow set and set RBP @ 3176 ft

Bring btm. of Arrow Pkr. To 3145 ft string acid to 2840 w / 15% NEFE

Set Pkr. @ 2808.5

Treat perfs (2840 - 2900) (2970 - 3020) (3056 - 3070) (3135 - 3145)

60ft / 120holes	50ft / 100 holes	14ft. / 28 holes	10 ft / 20 holes
3000 gal 15%	2500 gal 15%	700 gal 15%	500 gal 15%

Total Acid Stage two

10,400 gal 15% W/ Additives

Total Perf Holes

268 perf holes

1876bls rock salt

Rig day 6

Check for PSI bleed if needed, TIH & Circulate top of RBP @ 3176 ft Release

TUH with 5 1/2 RBP/ 5 1/2 Arrow set and set RBP @ 2811 ft

Bring btm. of Arrow Pkr. To 2780 ft. string acid to 2540 w / 15% NEFE

Set Pkr @ 2508

Treat perfs (2540 - 2620) (2648 - 2680) (2696 - 2780)

80 ft 160 holes	32 ft 64 holes	84 ft 168 holes
4000 gal 15%	1600 gal 15%	4200 gal 15%

Total Acid Stage three

19,768 gal 15% w/Additives

Total Perf holes

392 perf holes

2744 lbs rock salt

Rig day 7

Bleed of PSI if needed TIH with Arrow set with on and off tool to RBP @ 2811

Circulate to reverse tank 20 min TOH with RBP Test and see what formation PSI will be and record.

Option #1 TIH with ON and OFF tool to top of sand circulate to top of RBP set at 3780 ft 30 min TOH with RBP

Option # 2 leave RBP in position and test upper perfs if formation PSI is less than bottom PSI

TIH with Arrow Set 5 1/2 Nickel plated stainless steal with on and off tool equipped with profile nipple to 2508 ft.

ND Enviro pan and BOP circulate packer fluid to surface and land tbg with required tension

Pkr with top of master valve at 36" from ground level. Notify OCD MIT

RD service unit Release all unneeded equipment

Rig day

8 MIT Csg Clean up location

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator <b>RAY WESTALL</b>			Lease <b>Belco No.</b>		Well No. <b>3</b>
Unit Letter <b>M</b>	Section <b>20</b>	Township <b>23 South</b>	Range <b>28 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>990</b> feet from the <b>South</b> line and <b>660</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3072</b>	Producing Formation <b>Bone Springs</b>		Pool <b>South Calabra Bluff BS</b>	Dedicated Acreage: <b>80</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated 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 side of this form if necessary.) \_\_\_\_\_

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

**CERTIFICATION**

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

Name *Ray Westall*  
Position  
**Operator**  
Company

Date  
**11/28/84**

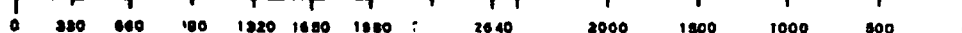
I hereby certify that the well location shown on this plat was plotted from field notes, actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**Oct. 11, 1984**

Registered Professional Engineer and/or Land Surveyor

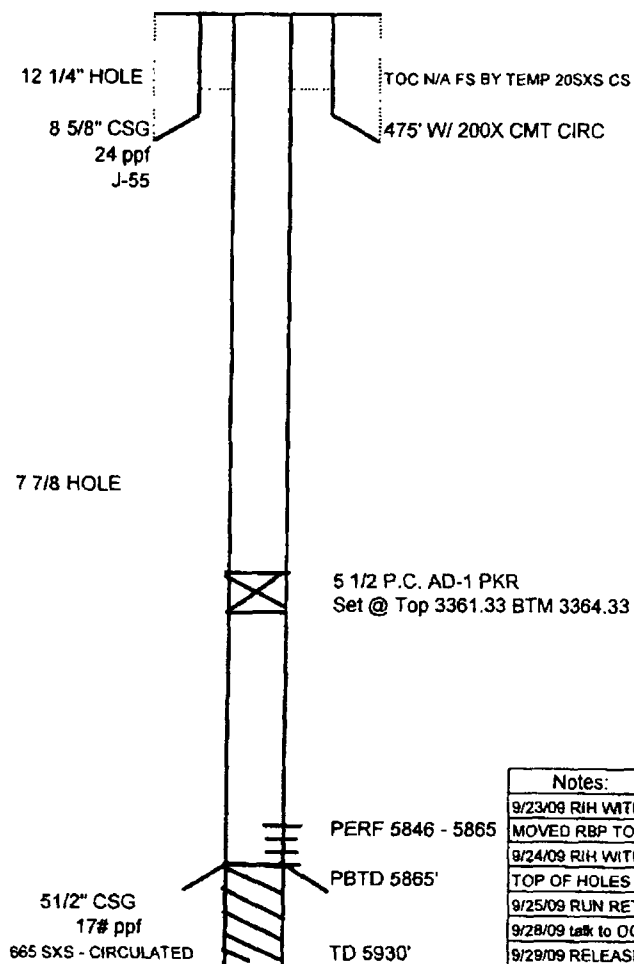
*Dan R. Reddy*

Certificate No.  
**NMPE&LS #5412**



# WELL BORE DIAGRAM

Lease/Well No. BELCO #2 ELEVATION 3057 GR  
 Location 2310 FNL & 1980 FWL  
F, SEC 20, T23S, R28E FIELD SOUTH LOVING DELAWARE  
EDDY CO, NM  
 LEASE NO 3001525433 Spudded 12/12/85 NEW WELL  
 API No. 3001525433 Completed 03/01/86  
 LAT  
 LONG



## TOPS IN CONFORMANCE

T SALT	1570
B SALT	2239
RED BED	0-1000
ANHYDRITE	1000-1570
SALT	1570-2489
SAND & SHALE	2489-3930
T. DELAWARE	2454

## COMMENTS

Acidized w / 3500 gal. 7 1/2 % acid.700#  
 kct, flush w / 200 bbls fresh water  
 frac's w /40,000 gal 70 quality foam  
 32,500 # 20/40 sand - flush w / 70 quality  
 foam

## TBG DATA

SIZE	TYPE	JTS
2 7/8	J-55 pc	103
2 7/8	S/N 1' pc	

5 1/2 P.C. AD-1 PKR  
 Set @ Top 3361.33 BTM 3364.33

DATE 9/3/2009

## PACKER DATA

SIZE TYPE  
 5 1/2 P.C. AD - 1  
 SET AT DEPTH Btm of PKR 3364 33

## Notes:

9/23/09 RIH WITH 5 1/2 RBP-1X SET PLUG ABOVE PERFS COULD  
 MOVED RBP TO 5759' COULD NOT GET TEST. SDFN  
 9/24/09 RIH WITH PKR HUNTED HOLE IN CASING FOUND BTM @ 5615'  
 TOP OF HOLES @ 4932' SET RBP @ 4932' POH WITH PKR SIFN  
 9/25/09 RUN RETRIEVING HEAD RIH WITH PIPE TO 4900' W.O.O VP'S SIFN  
 9/28/09 test to OCD approval for 3 year T/A IN SOUTH LOVING DELAWARE  
 9/29/09 RELEASED RBP POH, RIH WITH AD-1 PKR RAN CHART NO GOOD  
 PULLED ALL THE WAY UP TO 4306'. WOULD NOT TEST SDFN.  
 9/30/09 RELEASED AD-1 POH, RIH WITH PKR AND RBP TO HUNT SMALL  
 HOLE, FOUND HOLE BETWEEN 3368' - 3401, RELEASED TOOLS POH.  
 TESTED GOOD CSG, ABOVE 3368' RIH WITH AD-1, SET PKR TESTED  
 RELEASED PKR, CIRCULATED PKR FLUID, SET PKR FLANGED UP.  
 RAN CHART FOR THIRTY MIN. RELEASED PSI TESTED GOOD. SIFN  
 10/1/09 7:00 AM RAN CHART READY FOR INSPECTION RELEASED ANNULUS PSI.  
 PSI ON TBG 24 HOURS 150# PSI CHECKED PSI AT BELCO # 1 @ 800#  
 NO SIGN OF PSI DROP WHEN #2 TBG PSI RELEASED  
 RIG DOWN MOVE EQUIPMENT OUT TBG ON GROUND TALLIED AND WILL BE  
 MOVED TO YARD 1206 ALSO 72 7/8 & 155 3/4 WERE WEAR HOUSED AT 1206  
 LOCATION WILL BE CLEANED AND BACK DRAGGED SAT. OCD WILL BE NOTIFIED  
 ON 10-5-09 FOR TEST.

Submit 1 Copy To Appropriate District Office

District I

1625 N French Dr, Hobbs, NM 88240

District II

1301 W Grand Ave, 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 and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
October 13, 2009

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)		WELL API NO. 3001525433
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Basic Energy Services		6. State Oil & Gas Lease No.
3. Address of Operator P.O.Box 10460 Midland Texas 79702		7. Lease Name or Unit Agreement Name Belco
4. Well Location Unit Letter <u>F</u> : <u>2310</u> feet from the <u>North</u> line and <u>1980</u> feet from the <u>West</u> line Section <u>20</u> Township <u>21South</u> Range <u>28 East</u> NMPM County <u>Eddy</u>		8. Well Number <u>002</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 246368
		10. Pool name or Wildcat South Loving Delaware

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: Conversion for oil well to SWD Well ☒

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

To turn in C-108 for approval and then continue with the following  
On the Belco # 2

POH with Pkr. AD-1 PC 51/2  
RIH with bit and scraper to PBTD circulate clean  
Set pkr. at 3364.33 and establish rate and record with in guide line psig.  
Possible select perms. And perforate in South Delaware above existing perms. 5846-5865  
Treat perms. With Exylene and 15% NEFE with scale and corrosion inhibitor.  
Run PC tubing with PC Pkr. to legal depth set.  
Fill annulus with pkr. Fluid test.  
Call OCD for MIT

CANNOT BE APPROVED UNTIL  
PERMIT IS SIGNED.

Accepted for record  
NMOCD RS  
6/29/10

Spud Date:

Rig Release Date:

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

SIGNATURE David Alvarado TITLE District Manager DATE 6-28-10

Type or print name David Alvarado E-mail address: david.alvarado@basicenergyservices.com PHONE: 575.746.9663  
For State Use Only

APPROVED BY:  TITLE  DATE   
Conditions of Approval (if any):

**BASiC Energy Services  
Belco State # 02  
API # 3001525433  
2310 FNL, 1980 FWL,  
Unit F, Section 20, T23S, R28E**

12-12-1985 spud 12 ¼ inch hole, 12-13-1985 run 11 jts. 463 ft. of 8 5/8 24 # PPF J-55 Csg. Cemented @ 475 ft. with 200 sacks of class C 2% CaCl. Circulated 20 sxs. Continued to drill 7 7/8 inch hole to TD.

12-22-1985 TD well at 5930 ft. 12-23- 1985 ran 148 jts. 5937 ft. of 5 ½ 17# J-55 Csg. Cemented @5930 with 665 sxs. Of 50/50 Poz 11, 6# salt, 4 /10%CFR -14 followed with 780 sks Pacesetter, 8 pounds salt and ¼ Ceilo seal.

1-6-86 Perforated 5846-5865 ft.

1-8-86 Acidized 35gal 7 ½ HCL acid.SRA additives 7 gal. , NE agent, 7 gal scale inhibitor. Flush with 200 bbls fresh H2O.

1-9-86 Fracture treated perms. Via Tubing with 40,000 gal 70 quality west foam and 32, 500 # 20/40 , 36,000 # 12/20 and flush with 70 quality foam.

Submit 1 Copy To Appropriate District Office  
District I  
1625 N French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., 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 and Natural Resources

Form C-103  
October 13, 2009

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-015-25433
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. N/A
7. Lease Name or Unit Agreement Name BELCO
8. Well Number #002
9. OGRID Number 246368
10. Pool name or Wildcat 40380 LOVING; DELAWARE, SOUTH
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	<b>RECEIVED</b> NOV - 3 2009 NMOCD ARTESIA
2. Name of Operator Basic Energy Services LP	
3. Address of Operator P.O. BOX 10460 MIDLAND TEXAS 79702	
4. Well Location Unit Letter <u>F</u> : <u>2310</u> feet from the <u>NORTH</u> line and <u>1980</u> feet from the <u>WEST</u> line Section <u>20</u> Township <u>23S</u> Range <u>28E</u> NMPM County <u>EDDY</u>	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☒ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: WITH POSSIBILITY OF C-108 WELL HAS PASSED M.I.T RICHARD INGE HAS CHART, ALLOWING 3 YEARS T/A  
☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

9-31-09 SET 5 1/2 P.C. AD-1 PACKER @ 3361 CURCULATED 2% KCL  
10-8-09 MIT BELCO #2

Temporary Abandoned Status Approved

Until 10/8/2012

LAST PROD REPORT 8/1/07

Spud Date:

Rig Release Date:

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

SIGNATURE \_\_\_\_\_ TITLE S.E.NM DISTRICT MANAGER DATE 10-28-09

Type or print name DAVID H. ALVARADO E-mail address: david.alvarado@basicenergyservices.com PHONE: 575.746.9663  
For State Use Only

APPROVED BY: Richard Inge TITLE COMPLIANCE OFFICER DATE 11/17/2009  
Conditions of Approval (if any):



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
U.S.O.S.	<input checked="" type="checkbox"/>
LAND OFFICE	<input checked="" type="checkbox"/>
OPERATOR	

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>

5. State Oil &amp; Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

Belco

9. Well No.

2

10. Field and Pool, or Wildcat

Ind. S. Loving Delaware

12. County

Eddy

1a. TYPE OF WELL

60m

b. TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESER. ☐

2. Name of Operator

Ray Westall

3. Address of Operator

P.O. Box 4 Loco Hills, New Mexico 88255

4. Location of Well

UNIT LETTER F LOCATED 2310 FEET FROM THE North LINE AND 1980 FEET FROMTHE West LINE OF SEC. 20 TWP. 23S RGE. 28E

15. Date Spudded

12-12-85

16. Date T.D. Reached

12-22-86

17. Date Compl. (Ready to Prod.)

3-1-86

18. Elevations (DF, RKB, RT, GR, etc.)

3057. GR

19. Elev. Casinghead

3058'

20. Total Depth

5930'

21. Plug Back T.D.

5865

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

Cable Tools

All

24. Producing Interval(s), of this completion - Top, Bottom, Name

5846-5865 Delaware

25. Was Directional Survey Made

Yes

26. Type Electric and Other Logs Run

CN/CDL/GR, DLL/MLL/GR, ACBD/VDL/GR

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
8 5/8"	24#	475'	12 1/4"	200 sxs - circulated	
5 1/2"	17#	5930'	7 7/8"	665 sxs - circulated	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	5880'	

30. TUBING RECORD

31. Perforation Record (Interval, size and number)

5846-5865

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5846-5865	Acidized w/3500 gal. 7% % acid, 700#
	KCL, flush w/200 bbls fresh water
	frac's w/40,000 gal. 70 quality foam
	32,500# 20/40 sand-flush w/70 quality

33. PRODUCTION FORM.

Date First Production	3-1-86	Production Method (Flowing, gas lift, pumping - Size and type pump)	Pumping	Well Status (Prod. or Shut-in)	Producing										
Date of Test	3-10-86	Hours Tested	24	Choke Size		Prod'n. For Test Period		Oil - Bbl.	10	Gas - MCF	40	Water - Bbl.	80	Gas - Oil Ratio	400:1
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API (Corr.)			

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Transwestern Pipeline Company

Test Witnessed By

Bill Colwell

35. List of Attachments

Deviation Survey &amp; Logs

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

Ray Westall

TITLE

Operator

DATE

7-28-86

**BASiC Energy Services**  
**Belco State # 02**  
**API # 3001525433**  
**2310 FNL, 1980 FWL,**  
**Unit F, Section 20, T23S, R28E**

**Production Summary of API # 3001525433; Pool: South Loving Delaware**

<b>Producing Year</b>	<b>Oil (bbls)</b>	<b>Gas</b>	<b>Water</b>	<b>Co2</b>
1994	0	0	0	0
1995	62	0	0	0
1996	291	0	156	0
1997	45	0	0	0
1998	114	0	0	0
1999	546	0	25,847	0
2000	1042	0	57,832	0
2001	1,334	0	94,124	0
2002	711	0	66,298	0
2003	343	0	59,932	0
2004	0	0	11565	0
2005	694	0	78,583	0
2006	29	0	1,187	0
2007	40	0	1343	0
2008	0	0	0	0
2009	0	0	0	0
2010 June	0	0	0	0
<b>Summery</b>	<b>5,251</b>	<b>0</b>	<b>396,867</b>	<b>0</b>

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

### Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>1570</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
D. Salt <u>2239</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. Delaware <u>2454</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

### OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet	_____
No. 2, from _____ to _____ feet	_____
No. 3, from _____ to _____ feet	_____
No. 4, from _____ to _____ feet	_____

### FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1000	1000	Red Beds				
1000	1570	570	Anhydrite				
1570	2489	919	Salt				
2489	3930	1441	Sand & Shale				





BJ SERVICES

## Water Analysis

Date: 23-Jun-10

1708 West County Road, Hobbs NM 88240

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

### Analyzed For

Company	Well Name	County	State
Basic	Belco 1	Lea	New Mexico

Sample Source      Wellhead      Sample #      1

Formation      Depth

Specific Gravity	1.118	SG @ 60 °F	1.118
pH	7.18	Sulfides	Absent
Temperature (°F)	73	Reducing Agents	

### Cations

Sodium (Calc)	In Mg/L	49,741	In PPM	44,507
Calcium	In Mg/L	4,000	In PPM	3,579
Magnesium	In Mg/L	1,200	In PPM	1,074
Soluble Iron (FE2)	In Mg/L	50.0	In PPM	45

### Anions

Chlorides	In Mg/L	86,000	In PPM	78,951
Sulfates	In Mg/L	1,200	In PPM	1,074
Bicarbonates	In Mg/L	195	In PPM	175
Total Hardness (as CaCO3)	In Mg/L	16,000	In PPM	13,422
Total Dissolved Solids (Calc)	In Mg/L	142,387	In PPM	127,404
Equivalent NaCl Concentration	In Mg/L	127,590	In PPM	114,164

### Scaling Tendencies

\*Calcium Carbonate Index      780,800

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

\*Calcium Sulfate (Gyp) Index      4,800,000

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      nw=.004@73f

Report #      3150



## Water Analysis

Date: 23-Jun-10

2708 West County Road, Hobbs NM 88240

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

### Analyzed For

Company	Well Name	County	State
Basic	Belco 2	Lea	New Mexico

Sample Source	Wellhead	Sample #	1
---------------	----------	----------	---

Formation	Depth
-----------	-------

Specific Gravity	1.186	SG @ 60 °F	1.186
pH	8.07	Sulfides	Absent
Temperature (°F)	73	Reducing Agents	

### Cations

Sodium (Calc)	in Mg/L	86,545	in PPM	72,265
Calcium	in Mg/L	12,000	in PPM	10,020
Magnesium	in Mg/L	1,200	in PPM	1,002
Soluble Iron (FE2)	in Mg/L	60.0	in PPM	42

### Anions

Chlorides	in Mg/L	156,000	in PPM	130,261
Sulfates	in Mg/L	2,100	in PPM	1,754
Bicarbonates	in Mg/L	98	in PPM	81
Total Hardness (as CaCO3)	in Mg/L	35,000	in PPM	29,225
Total Dissolved Solids (Calc)	in Mg/L	257,992	in PPM	215,425
Equivalent NaCl Concentration	in Mg/L	214,948	in PPM	179,482

### Scaling Tendencies

*Calcium Carbonate Index	1,171,200
--------------------------	-----------

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

*Calcium Sulfate (Gyp) Index	25,200,000
------------------------------	------------

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	rw=.045@73f
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Report # 3149

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

### Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
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T. Salt <u>2239</u>	T. Alobe _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. <del>Devonian</del> <u>2454</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	T. Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Dinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

## OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____	feet. _____
No. 2, from _____ to _____	feet. _____
No. 3, from _____ to _____	feet. _____
No. 4, from _____ to _____	feet. _____

## FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1000	1000	Red Beds				
1000	1570	570	Anhydrite				
1570	2489	919	Salt				
2489	3930	1441	Sand & Shale				



# NM WAIDS

DATA

MAPS

HOME

SCALE

CORROSION

General Information About: Sample 10026			
Section/ Township/Range	20 / 23 S / 28 E	Lat/Long	32.29 / -104.1093
Elevation	3054	Depth	150
Date Collected	9/5/1985	Chlorides	1080
Collector / Point of Collection	SEO / DP	Use	Irrigation Water
Formation	OAL	TDS	0

EXHIBIT D

SID: 13529  
Latitude: 32.29 Longitude: -104.1093  
Section: 20 Township: 23S Range:  
WBF: QAL Formation: OAL  
Depth: 150 Elevation: 3054  
Temperature: 0  
Date Collected: Thu Jul 16 00:00:00 MDT 1953 Collector: USG Point of Collection:  
Use: Irrigation Water  
Conductivity: 2000  
Chlorides(mg/L): 245

SID: 13190  
Latitude: 32.29 Longitude: -104.1093  
Section: 20 Township: 23S Range:  
WBF: QAL Formation: OAL  
Depth: 200 Elevation: 3054  
Temperature: 0  
Date Collected: Tue Sep 7 00:00:00 MDT 1954 Collector: USG Point of Collection:  
Use: Irrigation Water  
Conductivity: 4090  
Chlorides(mg/L): 725

SID: 10026  
Latitude: 32.29 Longitude: -104.1093  
Section: 20 Township: 23S Range:  
WBF: QAL Formation: OAL  
Depth: 150 Elevation: 3054  
Temperature: 0  
Date Collected: Thu Sep 5 00:00:00 MDT 1985 Collector: SEO Point of Collection:  
Use: Irrigation Water  
Conductivity: 4906  
Chlorides(mg/L): 1080

SID: 13468  
Latitude: 32.29 Longitude: -104.1093  
Section: 20 Township: 23S Range:  
WBF: QAL Formation: OAL  
Depth: 200 Elevation: 3054  
Temperature: 0  
Date Collected: Mon Dec 16 00:00:00 MST 1946 Collector: USG Point of Collection:  
Use: Irrigation Water

Conductivity:	7770
Chlorides(mg/L):	1620





### Legal Notice

BASiC Energy Services P.O. Box 10460, Midland Texas 79702 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division.

BASiC Energy Services is seeking administrative approval of the conversion of the Belco State # 002 API # 30-015-25433, 2310 FNL & 1980 FWL, Unit "F", Section 20, Township 23 South, Range 28 East, Eddy County New Mexico from a temporarily abandon oil well to a South Loving Delaware commercial salt water disposal well. The disposal interval would be from the top of the South Loving Delaware from 2454 -- 5865 feet.

Disposal fluid would be produced water trucked in from numerous producing formations in South Eastern New Mexico only by BASiC Energy Services trucking department. BASiC Energy Services anticipates a disposal rate of 1500 BWPd with a maximum disposal rate of 3400 BWPd.

Anticipated disposal pressure of 600 psi with a maximum disposal pressure of 1000 psi. Well is located half mile to the North of Loving and half mile West on London road from Hwy 285.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Lyn Sockwell at 432.620.5500

Legal Notice will be published in the Carlsbad Current Argus

Affidavit of Publication will be sent to the NMOCD when received

### **Exhibit E**

# **Belco #2 SWD Section 20 Township 23 South Range 28 East**

NAME	ADDRESS	CITY	STATE	ZIP
Ronald E. Scott	P O Box 282	Loving	NM	88256
Denise Annette Carroll Humphrey	1703 Western Dr.	Midland	TX	79705
Nancy Rey	P O Box 1006	Loving	NM	88256
Lorenzo Muniz	307 S. Mesa St.	Carlsbad	NM	88220
Randell & Jackie Box	509 Caballo	Carlsbad	NM	88220
Jim Bob Box	509 Caballo	Carlsbad	NM	88220
Maximo & Felicitas Marrufo	P O Box 284	Loving	NM	88256
Daniel & Andrea Ramirez	P O Box 1016	Loving	NM	88256
Crystal Santillan	P O Box 506	Loving	NM	88256
Eloy R & Mary Lou Florez	P O Box 1036	Loving	NM	88256
Olga Isaula	P O Box 215	Loving	NM	88256
Roland A. Gonzalez & Sulema Avitia	P O Box 411	Loving	NM	88256
Carl E Bryant	P O Box 628	Loving	NM	88256
Anita Chavez	P O Box 628	Loving	NM	88256
Rose M. & Lloyd F. Boatman	1317 E. Wood	Carlsbad	NM	88220
Sonya Greer	P O Box 673	Loving	NM	88256
Leslie Barnes	P O Box 673	Loving	NM	88256
Ernest McIntire	P O Box 1364	Loving	NM	88256
James J Evans Estate	P O Box 292	Loving	NM	88256
Jerry & Betty Lackey	P O Box 292	Loving	NM	88256
Joey H. Rodriguez	P O Box 111	Loving	NM	88256
Amos Urquidez	P O Box 1391	Loving	NM	88256
Robin & Sheila Martinez	P O Box 1391	Loving	NM	88256
Carlsbad Irrigation District	5117 Grandi Rd	Carlsbad	NM	88220
Francisco & Hilda Hernandez	P O Box 1002	Loving	NM	88256
Ursula B Ochs	1210 Normandy	Carlsbad	NM	88220
Raynaldo & Maria Armendarez	P O Box 1321	Loving	NM	88256
Chad W. Sartin	1004 W. Orchard Lane	Carlsbad	NM	88220
Chad & Sharay Sartin	1004 W. Orchard Lane	Carlsbad	NM	88220
Maribel Lopez	401 N Ninth St	Loving	NM	88256
Andrew & Mary Hendren	P O Box 34	Loving	NM	88256
Frank & Estella Reyes	P O Box 1407	Loving	NM	88256
Ellie Mason	P O Box 115	Loving	NM	88256
Arturo & Lucy Franco	P O Box 402	Loving	NM	88256
Servando & Melisa Vasquez	P O Box 563	Loving	NM	88256
Eulane H. Scott	P O Box 68	Loving	NM	88256
Robert & Jacqueline Nymeyer	P O Box 68	Loving	NM	88256
Reynaldo & Isabel Armendarez	P O Box 1321	Loving	NM	88256
Rusvel Granado	P O Box 162	Loving	NM	88256
Herbert & Donna Whitfield	P O Box 368	Loving	NM	88256
D E Scott	P O Box 195	Loving	NM	88256
Oscar & Angela Rodriguez	P O Box 206	Loving	NM	88256
Chris & Emilia Urban	P O Box 222	Loving	NM	88256
Emilia Urban	303 N Elghth	Loving	NM	88256
Martin & Luhan Delgado	P O Box 253	Loving	NM	88256
Sylvester G Santillan	P O Box 506	Loving	NM	88256
Vilage Of Loving	P O Box 56	Loving	NM	88256
Toribio & Ernestina Muriilo	P O Box 404	Loving	NM	88256
Jacqueline Dennis Nichols	2502 Helper Road	Carlsbad	NM	88220
E G Hines	P O Box 1011	Loving	NM	88256
New Mexico Interstate Stream Comm	P O Box 25102	Santa Fe	NM	87504
Henry E. McDonald	P O Box 597	Loving	NM	88256
George A. & Alice S George	P O Box 389	Loving	NM	88256
Francisco & Patricia Trevino	P O Box 72	Loving	NM	88256
Lonnie Allsup	P O Box 1907	Clovis	NM	88101
Hector N. Valdez	4204 Thomason Rd	Carlsbad	NM	88220
Stop-N-Shop of Carlsbad NM INC	1208 W. Riverside Dr.	Carlsbad	NM	88220
Manuel & Patricia Rico	P O Box 705	Loving	NM	88256
Rolando & Brenda Armendariz	P O Box 705	Loving	NM	88256
James Kelly Revocable Trust	P O Box 7366	Abilene	TX	79608
Radell Box Trader Company	P O Box 432	Loving	NM	88256
Tom Brantley	1304 W. Riverside Dr.	Carlsbad	NM	88220
Rustler Hills II, LP	P O Box 72	Orla	TX	79770

**Belco #2 SWD Section 19 Township 23 South Range 28 East**

NAME	ADDRESS	CITY	STATE	ZIP
Margaret Navarro	102 W Jayders Rd	Loving	NM	88256
Carolyn A. & Harvey R. Taylor	2310 Avenue B	Carlsbad	NM	88220
Madlyon J. Eagle	183 County RD 101	Norfolk	AR	72658
S P III & Barbara Johnson Trust	P O Box 1641	Roswell	NM	88202
Ronald E Scott	P O Box 282	Loving	NM	88256



**Belco #2 SWD Section 20 Township 23 South Range 28 East**

<b>NAME</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>STATE</b>	<b>ZIP</b>
Burlington Northern & Santa Fe Railroad Attn: Real Estate Dept.	2650 Lou Menk Drive	Fort Worth	TX	76131

**Belco #2 SWD Section 20 Township 23 South Range 28 East**

<b>NAME</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>STATE</b>	<b>ZIP</b>
New Mexico Department of Transportation	4505 W. Second Box	Roswell	NM	88202

**Belco #2 SWD Section 20 Township 23 South Range 28 East**

<b>NAME</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>STATE</b>	<b>ZIP</b>
Road Department	410 E Derrick	Carlsbad	NM	88220

**Belco #2 SWD Section 20 Township 23 South Range 28 East**

<b>NAME</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>STATE</b>	<b>ZIP</b>
Village of Loving c/o Polie Hernandez	P O Box 56	Loving	NM	88256

Producers				
Company	Address	City	State	Zip
NADEL AND GUSSMAN PERMIAN, LLC	601 N MARIENFELD SUITE 508	Midland	TX	79701
PECOS OPERATING COMPANY, LLC	400 W. Illinois Suite 1210	Midland	TX	79701
ADVENTURE EXPLORATION PARTNERS, LLC	500 W. Texas Ave. Suite 1000	Midland	TX	79701
BASIC ENERGY SERVICES, LP				

**Belco #2 SWD Section 20 Township 23 South Range 28 East**

NAME	ADDRESS	CITY	STATE	ZIP
David Petroleum Corp.	116 West First Street	Roswell	NM	88203
	One Lindon Centre, 5400 LBJ			
Matador Resource Company	Freeway, STE 1500	Dallas	TX	75240
Devon Energy Production Company, L.P.	20 North Broadway	Oklahoma City	OK	73102

**Belco #2 SWD Section 20 Township 23 South Range 28 East**

<b>NAME</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>STATE</b>	<b>ZIP</b>
Sally R. Carter Ballard	3901 100th Place	Lubbock	TX	79423
Barbara A. Carter	24 Condesa Road	Santa Fe	NM	87508
Peter R. Carter	9320 Stafford Way	Dallas	TX	75220
Albert E. Carter Irrevocable Trust B dtd 11-01-1977	1411 West Orchard Lane	Carlsbad	NM	88220
William H. Houston	7737 Spanish Bay Dr.	Las Vegas	NV	89113
James K. Polk Revocable Trust	12 Augusta	Abilene	TX	79606
Ruth Ann polk Caudle	12 Augusta	Abilene	TX	79606
Janis Lee Polk Harbour	12 Augusta	Abilene	TX	79606
Jacqueline D. Nichols	2502 Helper Rd.	Carlsbad	NM	88220
Bil Nymeyer & Ruth Nymeyer	P O Box 281	Loving	NM	88256
Robert Nymeyer	50 Pardue Road	Loving	NM	88256
James Nymeyer	Route #1, Box 586	Sulphur Bluff	TX	75481
Nymeyer 2000 Family Trust	609 N 8th Street	Carlsbad	NM	88220



State of NM Land Office  
State of NM Land Office  
Draper Brantley  
George Brantley

PO Box 1148  
1301 W Grand Ave  
706 W Riverside Drive  
1304 W Riverside Drive

Santa Fe NM  
Artesia NM  
Carlsbad NM  
Carlsbad NM

87504  
88210  
88220  
88220

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(575) 885-1066

TO: Maria Alaniz  
FAX NUMBER: 746-2435  
FROM: Kathy  
PAGES (INCLUDING COVER PG) 2  
DATE: 1-26-11  
COMMENTS: legal

KATHY MCCARROLL  
CUSTOMER SERVICE SUPERVISOR  
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January 26, 2011

**Legal Notice**

**BASIC Energy Services P.O. Box 19460 Midland, Texas 79702** has filed form C-106 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division.

**BASIC Energy Services** is seeking administrative approval of the conversion of the Belco State # 202 AP, 30-415-25-23, 2310 FNL & 1980 FVL, Unit "F", Section 20, Township 23 South, Range 28 East, Eddy County, New Mexico from a temporarily abandoned oil well to a South Lovine oil well.

The disposal fluid would be produced water trucked in from numerous producing formations in South Eastern New Mexico only by BASIC Energy Services trucking Department. BASIC Energy Services anticipates a disposal rate of 1500 BWPD with a maximum disposal rate of 3400 BWPD.

Anticipated disposal pressure of 400 psi with a maximum disposal pressure of 1000 psi. Well is located half mile to the North of Lovine and half mile West on Lorton road from Hwy 285.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Front

15 Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Lvn Sockwell at 512.628.5500

January 19 and 26, 2011

IN THE FIFTH JUDICIAL DISTRICT COURT OF EDDY COUNTY STATE OF NEW MEXICO

IN THE MATTER OF THE LAST WILL AND TESTAMENT OF JOSEPH J. TAMASKA, Deceased.

PB-2011-4-JSG

**NOTICE TO CREDITORS**

The undersigned has been appointed Personal Representative of this Estate. All persons having claims against this estate are required to present same within two (2) months after the date of the first publication of this Notice or the claims will be forever barred. Said claims shall be presented to Judith Ann Lint, Co-Matthew J. Byers, P.O. Box 1718, Carlsbad, New Mexico 88221-1718

At Judith A. Lint, Judith Ann Lint, Personal Representative

January 19, 26, and February 2, 2011

STATE OF NEW MEXICO  
COUNTY OF EDDY  
FIFTH JUDICIAL DISTRICT COURT

No. D-503-CV-2010-01018

**WELLS FARGO BANK, N.A. SUCCESSOR BY MERGER TO WELLS FARGO BANK SOUTHWEST, N.A. F/K/A WACHOVIA MORTGAGE, FSB.**

Plaintiff, vs.

THE ESTATE OF MARTHA E. HARPER, DECEASED, UNKNOWN HEIRS, DEVISEES OR LEGATEES OF MARTHA E. HARPER, DECEASED, NEW MEXICO ENVIRONMENTAL DEPARTMENT, AND UNKNOWN TENANT (REAL NAME UNKNOWN).

Defendants.

**NOTICE OF SUIT**

TO: THE ESTATE OF MARTHA E. HARPER, DECEASED, UNKNOWN HEIRS, DEVISEES OR LEGATEES OF MARTHA E. HARPER, DECEASED

You are hereby notified that a civil action has been filed against you in the District Court of Eddy County, New Mexico, by Plaintiff, Wells Fargo Bank, N.A. Successor By Merger to Wells Fargo Bank Southwest, N.A. F/K/A Wachovia Mortgage,

FSB, in which Plaintiff prays for foreclosure on its Note and Mortgage on real property located in Eddy County, New Mexico, as described in the claim in said cause against Defendants named above, that the said real property be sold according to law and practice of this Court to pay the lien of the Plaintiff, and that the interest of the Defendants, and each of them, and all persons claiming under or through them and all other persons bound by these proceedings be barred and foreclosed of all rights, interest of claims to said real property, and for such other and further relief as the Court may deem just and proper.

The property involved is the real estate and improvements located at 3018 Carver St., Carlsbad, New Mexico 88220, and more particularly described as:

LOT 18, BLOCK 4, SOUTHRIDGE SUBDIVISION, TO THE CITY OF CARLSBAD, EDDY COUNTY, NEW MEXICO, AS SHOWN ON THE OFFICIAL PLAT THEREOF ON FILE IN THE OFFICE OF THE COUNTY CLERK OF EDDY COUNTY, NEW

**MEXICO,** including any improvements, fixtures, and attachments, such as, but not limited to, mobile homes. If there is a conflict between the legal description and the street address, the legal description shall control.

You are further notified that unless you enter or cause to be entered your appearance or file responsive pleadings or motions in said cause within twenty (20) days of the third consecutive publication of this Notice of Suit, judgment will be rendered in said cause against you and each of you by default, and the relief prayed for will be granted.

The name of the attorneys for Wells Fargo Bank, N.A. Successor By Merger to Wells Fargo Bank Southwest, N.A. F/K/A Wachovia Mortgage, FSB is Little & Drantel, P.C., 7430 Washington Street, NE, Albuquerque, New Mexico 87109, Telephone: (505) 833-3036.

BY ORDER OF the Honorable Jane L. Shuler Grav, District Judge of the Fifth Judicial District Court of the State of New

Mexico, and the Seal of the District Court of Eddy County, entered on January 11, 2011.

Date: January 11, 2011

**ERIC ELLIS**  
CLERK  
OF THE COURT.

BY: **SHARENE BROOKS**  
DEPUTY CLERK

**jobs**  
200-232

**DRIVERS**  
(Carlsbad) - CDL tanker endorsement, and good driving record needed. Competitive salary/benefits. Apply in person: Standard Energy Services, 1708 E Greene St, Carlsbad, NM. EEO employer

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Dedicated Drivers  
Average \$1,000+ per week  
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**Drivers**  
Diesel Truck Mechanic (Carlsbad) - Must have 3 years experience & own tools. Competitive salary and benefits. Apply at Standard Energy Services, 1708 E Greene Street, Carlsbad, EEO

**Drivers**  
Driver / Operators Wanted  
M & W Hot Oil, Inc. is currently seeking full time equipment operators. Current positions open are for Vacuum Truck operators. Applicants must have class A CDL with tanker endorsement and at least one year verifiable experience in position being

**Ruidoso**  
PO Box 128 Ruidoso, NM 88301-0128

**Graphics/Scanner Operator**

The Job Design quality graphics for a variety of publications. Organize and scan production room. Assist in page layout newspaper on production days.

**The Requirements**  
• High school degree or the equivalent degree in Graphic Design.  
• Familiarity with Quark software a plus.  
• Excellent verbal and written communication customer service skills.

**Retail Inside Sales**

The Job Responsible for calling on prospective areas to qualify leads and explain will need to design and develop ad on an assigned territory by utilizing information and spec layouts. Develop calling on assigned area. Will also sell units and theme papers. Needs to meet positive conditions and report them.

**The Requirements**  
• High School degree or the equivalent  
• Knowledge of and experience in the with a minimum of two years inside  
• Excellent verbal and written communication customer service skills.  
• Ability to learn advertising computer systems in a timely manner.  
• Bilingual abilities in English and Spanish.  
• Able to operate and have access to and maintain a valid driver license

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**PO Box**  
**Ruidoso, N**  
**Attn: Ren**  
**www.ruidoso**  
**NO PHONE CAL**

We do not accept or review unsolicited only accept applications when we notice that is posted. Your application HR department. If you meet application/resume will be forwarded for further consideration. Due to 1 and resumes received, only those will be contacted.

**Grande Cache Co**  
**Employment O**

Grande Cache Coal Corporation (GCC) is an exciting, growing, low volatile, metallurgical coal for a 20 kilometers north of the town of Grande Cache (4000) located on the edge of the Rocky Mountains in Jasper National Park. The Grande Cache area is a peaceful and a relaxed lifestyle.

**Underground Coal Miners**

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**David Medford Home Repair & Maintenance**  
Professional Service for most types of Repair & Maintenance

**Landscaping**

**J&C SERVICE**  
Lawn Care  
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Home Maintenance

**Health & Beauty**

**MARTA C. GALLEGOS, M.D.**  
**LOSE WEIGHT & KEEP IT OFF**  
Personalized Plan for Healthy Weight Loss.

**Affidavit of Publication**

State of New Mexico,  
County of Eddy, ss.

**Kathy McCarroll**, being first duly sworn,  
on oath says:

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

January 26 \_\_\_\_\_ 2011

That the cost of publication is **\$68.07** and that  
payment thereof has been made and will be  
assessed as court costs.

Kathy McCarroll

Subscribed and sworn to before me this

26 day of January, 2011  
Stephanie Dobson

My commission Expires on 11/25/2014

Notary Public



January 24, 2011

**Lead Notice**

BASIC Energy Services, Inc. P.O. Box 10468, Midland, Texas 79702 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division.

BASIC Energy Services is seeking administrative approval of the conversion of the Belco State #225, 2316 PM, & 1960 F.W. Unit, F-1 Section 24, Township 2N, Range 2E, East, Santa Fe County, New Mexico from a non-producing oil well to a South Leasing Division commercial oil well for disposal with the disposal interval would be from the base of the South Leasing Division from 225, 2316 PM, & 1960 F.W. Unit.

Disposal fluid would be produced water from the Belco State #225, 2316 PM, & 1960 F.W. Unit.

The Belco State #225, 2316 PM, & 1960 F.W. Unit is located on the North side of the road, 1/2 mile West on London Road from Hwy 225.

All interested parties are invited to attend the public hearing and express their objections with the New Mexico Oil Conservation Division.

215 Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Lyle Sockwell at 502.620.1500.

Carolyn Taylor  
1702 Curry Rd  
Carlsbad, NM 88220

FEB 28 2011

Basic Energy Services  
P.O. Box 1375  
Artesia, NM 88211

February 24, 2011

Re: Response to Basic Energy letter dated Feb. 14, 2011.

Attn: David Alvarado and Lyn Sockwell

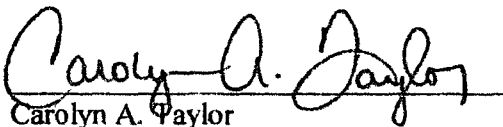
Thank you Mr. Alvarado, for sending me a response letter. It answered my question about locations of the roadways.

Now, I have another question:

1) Am I the only person, on that list of people that was included with your certified Legal Notice Exhibit E letter, asking questions with concerns about one's property?

I was not able meet for lunch on Tuesday, Feb. 22, 2011, due to a scheduled meeting at work during my lunchtime that day. There again, I need more notice than just a hour or so before my lunch on the same day as the asking. I do not object to meeting, I just need to be given more advance notice, so that I arrange it with my schedule as well.

My cell phone is (575) 361-3505. Thank you for your time. I would appreciate my questions be answered.

  
Carolyn A. Taylor