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| District IV | | | | | | nta Fe. N | | | | | Of White | MUGD KEF |
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| | | C/ G (| Operator Name Dan A Hughes (OIL Reports & G 1068 W. Bro Hobbs, N | IAS SERVI DADWAY M. 88140 | CES, INC. | | | | 30 - 023 - | APIN | | |
| Propo | ety Code | , , | | | | HUNIT 26 S | TATE | | | | (CO) | ¥0. |
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| 12 1/2" | OH | Ļ | 9.5/8" | | SSLTR | | 500' | | 250 sx | | | Surf |
| 7.7/8" | OH | | 51/3" | 17# I | 55 J. T&C | ` | 6600' | | 1250 sp | circ | | Surf |
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| 22 Describ | the propos | ed progra | ın. if this applicati | on is to DE | EPEN of PL | UG BACK. | ive the | inis on th | c present producti | e zone and n | roposed | new productive |
| zone. D | escribe ste | impornić; | revention program | ifany. U | e additional | shoots if nico | many. | | - p- | | · cp· | |
| | | | | | | | | | | | | |
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| Denth | to Grow | ndam*e | r change base | ed man | water w | ell drilled | 112/0 | 5/07 hv | ZDan A. Hne | thes Com | none | |
| Depui | io Grea | in ware | t cuange ous | o ajon | WAIGE W | in minec | 1200 | 57 O 7 O 3 | Dan Pt. 110 | STEPS CON | ipany | |
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| 23 horeby cer | tify that the | informati | ion given above :s i | rue and 200 | npicts to the | | | | | | | |
| hast of my knowledge and belief, I further certify that the drilling pit will be | | | . [| | OIL C | ONSERVA | TION DE | VISIO | N | | | |
| constructed according to NMOCD guidelines 2, o general permit . or an (artached) apernative OCD-appraveit plan . | | | 1 | | | | | | | | | |
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| Signature: | <u> </u> | | | | | + | | | | | | |
| Printee name: | GAYE HA | UKO | | | ······································ | Title: | <u> </u> | | | | | |
| Title.AGENT | | - | | | ···· | Approv | n' Dare: | | | xpiration Da | ic; | |
| E-mai: Addre | uscilmporz | inc@olir | perainc.com | | | | | | ···· | | | |
| Date: 12/05/07 Phone: 575-393-2727 | | | Conditi | ons of A | A Levonde | Hacked [] | | | | | | |
| Date: L2/03/07 Phone: 2/3-38/-2/77 | | | | | | | | | | | | |

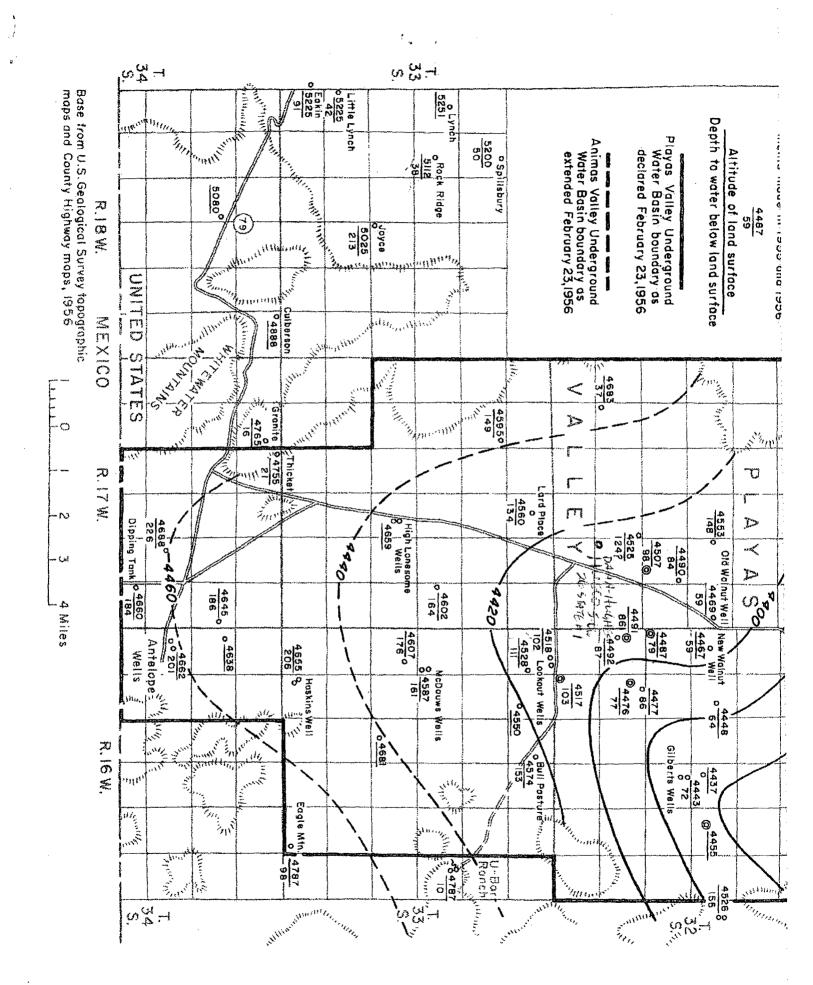
PROPOSED(REVISED 12/5/07) WELLBORE SCHEMATIC Elev: 4527.68' GL Top of Cement @ surface 12-1/4" open hole Ground Water Depths: Ranges from 62'-194' for wells in area Dan A. Hughes water well drilled 12/5/07 Found water @ 200'-240' Mud Wt @ 500' 8.8 # WBM 9-5/8" 36# J55 LT&C @ 500' After discussions with Bryan Arrant on 12/5/07, he said water depth @ 345' from a well in 32S16W Sec 25(API #3002360007). Top of Cement @ surface for production casing 7-7/8" open hole Mud Wt @ 6600' 10# WBM 5-1/2" 17# J55 LT&C @ 6600' TD @ 6600 DAN A. HUGHES COMPANY, L.P. HUECO SOUTH UNIT 26 STATE #1 HIDALGO COUNTY, NEW MEXICO WILDCAT FIELD BY: JEFF ILSENG DATE: 12/5/07

GROUND WATER DEPTHS*

| WELL LOCATION | OWNER <u>NAME</u> | SURFACE ELEVATION | DEPTH OF WELL | |
|------------------|----------------------|----------------------|------------------|--|
| 32S 17W Sec 1 | STEEN | 4443' | 118' | |
| 32S 17W Sec 13 | OLD WALNUT | 4469' | 62' | |
| 32S 17W Sec 27 | FRYE | 4525' | 194' | |
| 33S 17W Sec 3 | LARD PLACE | 4560' | 140' | |
| 33S 17W Sec 8 | TIMBERLAKE | 4595' | 172' | |
| 32S 17W Sec 26 | Dan A. Hughes | 4527.8' | 240'(Hit s | sand @ 200') Finished water well 12/5/07 |

Dan A. Hughes Co. L.P.---Hueco South Unit 26 State #1----32S 17W Sec 26-----Elevation 4527'

^{*}Technical Report 15 -- New Mexico State Engineer---"Reconnaissance of Ground Water in Playas Valley" Hidalgo County, New Mexico. Report by Gene C. Doty of the USGS in 1960



Gaye Heard

From:

"Arrant, Bryan, EMNRD" <bryan.arrant@state.nm.us>
"Gaye Heard" <gheard@oilreportsinc.com>

To:

Cc:

"Swazo, Sonny, EMNRD" <Sonny.Swazo@state.nm.us>

Sent: Subject: Tuesday, December 11, 2007 3:11 PM RE: Revised mud program

Hi Gaye.

Please find an e-mail that you sent to me on 12/07/2007 with an attached revised "Drilling Fluids Proposal" that is dated on the cover letter dated of 12/07/2007.

Please note that I did not date stamp this document when I printed out.

However, please note the date we received it below. If anyone one has issues with this please advise

Regards.

Bryan G. Arrant District II Geologist New Mexico Oil Conservation Division 1301 West Grand Ave. Artesia, NM 88210 505-748-1283 Ext. 103

From: Gaye Heard [mailto:gheard@oilreportsinc.com]

Sent: Friday, December 07, 2007 2:09 PM

To: Arrant, Bryan, EMNRD

Subject: Fw: Revised mud program

---- Original Message -----

From: Jeff Ilseng To: 'Gaye Heard'

Sent: Friday, December 07, 2007 1:19 PM Subject: FW: Revised mud program

Revised mud program showing 500' surface casing & fresh water mud...

-----Original Message---

From: Cleere, Wayne [mailto:WCleere@miswaco.com]

Sent: Friday, December 07, 2007 1:54 PM To: Ferguson, Jason; jeffi@dahughes.net

Subject: Revised mud program

Gentlemen,

Here is the revised mud program that you requested.

Thanks

Wayne Cleare Project Engineer Off. (432)683-2065 Cell. (432)634-5590

This email is intended solely for the person or entity to which it is addressed

12/11/2007



Proposal No: 180270033B

Dan A. Hughes **Hueco South Unit 26 State #1**

Hidalgo County, New Mexico December 6, 2007

Well Proposal

Prepared for:

Mr. Jeff Ilseng Email:

jeffl@dahughes.net

Prepared by:

Tanya Gonzalez **Specifications Writer**



Service Point:

Artesia

Bus Phone:

(505) 746-3140

Fax:

(505) 746-2293

Service Representatives:

Harry Garvey

Senior Account Manager Corpus Christi, Texas

Bus Phone: 210.841.5671

Mobile:

210.260.2790

Well Name:

Hueco South Unit 26 State #1 Job Description: 9-5/8" Surface Casing to 500'

Date:

December 6, 2007



Proposal No: 180270033B

WELL DATA

ANNULAR GEOMETRY

| ANNULAR I.D. | DEP | TH(ft) |
|--------------|----------|---------------|
| (in) | MEASURED | TRUE VERTICAL |
| 12.250 HOLE | 500 | 500 |

SUSPENDED PIPES

| 9,625 | I.D. 8.921 | (lbs/ft) 36 | MEASURED 500 | TRUE VERTICAL 500 |
|--------|----------------------|--------------------|--------------|-------------------|
| DIAMET | ER (in) | WEIGHT | DEP | H(ft) |

Float Collar set @ 480 ft **Mud Density** 8.80 ppg 85 ° F Est. Static Temp. Est. Circ. Temp. 80 ° F

VOLUME CALCULATIONS

500 ft 0.3132 cf/ft 100 % excess with Х 313.2 cf

20 ft Х 0.4341 cf/ft with 0 % excess = 8.7 cf (inside pipe)

> TOTAL SLURRY VOLUME = 321.9 cf

> > 57 bbls

Well Name:

Hueco South Unit 26 State #1 Job Description: 9-5/8" Surface Casing to 500'

Date:

December 6, 2007



Proposal No: 180270033B

FLUID SPECIFICATIONS

| FLUID | VOLUME CU-FT | VOLUME FACTOR | AMOUNT AND TYPE OF CEMENT |
|------------------------|-----------------|------------------|---|
| Cement Slurry | 322 | / 1.3 = | 240 sacks Premium Plus C Cement + 0.125 lbs/sack Cello Flake + 2% bwoc Calcium Chloride + 56.3% Fresh Water |
| Displacement | | 37.1 t | obls Displacement |
| CEMENT PROPERTIE | S | | |
| | | | SLURRY |
| | | | NO. 1 |
| Slurry Weight (ppg) | | | 14.80 |
| Slurry Yield (cf/sack) | | | 1.35 |
| Amount of Mix Water (g | os) | | 6.35 |

Well Name:

Hueco South Unit 26 State #1 Job Description: 9-5/8" Surface Casing to 500'

Date:

December 6, 2007



Proposal No: 180270033B

PRICE ESTIMATE

Product Material

| QTY | UNIT | PRODUCT DESCRIPTION | UNIT PRICE | GROSS AMOUNT | DISC (%) | NET AMOUNT |
|-----|----------------------------|-----------------------------------|---------------|-----------------|-------------|---------------|
| 452 | lbs | Calcium Chloride | 1.04 | 470.08 | 0.0 | 470.08 |
| 30 | lbs | Cello Flake | 4.14 | 124.20 | 0.0 | 124.20 |
| 1 | ea | Cement Plug, Wooden, Top 9-5/8 in | 256.00 | 256.00 | 0.0 | 256.00 |
| 240 | 94lbs | Premium Plus C Cement | 31.90 | 7,656.00 | 0.0 | 7,656.00 |
| 2 | gals | FP-6L | 84.75 | 169.50 | 0.0 | 169.50 |
| 2 | lbs | Static Free | 32.40 | 64.80 | 0.0 | 64.80 |
| | Product Material Subtotal: | | | \$8,740.58 | | \$8,740.58 |

Service Charges

| QTY | UNIT | PRODUCT DESCRIPTION | UNIT PRICE | GROSS AMOUNT | DISC (%) | NET AMOUNT |
|-----|-------|----------------------------------|---------------|-----------------|-------------|---------------|
| 1 | ea | Personnel Surcharge - Cement Svc | 145.50 | 145.50 | 0.0 | 145.50 |
| 252 | cu ft | Bulk Materials Service Charge | 3.41 | 859.32 | 0.0 | 859.32 |
| | | Service Charges S | ubtotal: | \$1,004.82 | | \$1,004.82 |

Equipment

| QTY | UNIT | PRODUCT DESCRIPTION | UNIT PRICE | GROSS AMOUNT | DISC (%) | NET AMOUNT |
|-----|---------------------|--|---------------|-----------------|-------------|---------------|
| 1 | 4hrs | Cement Pump Casing, 0 - 1000 ft | 2,080.00 | 2,080.00 | 0.0 | 2,080.00 |
| 1 | job | Cement Head | 515.00 | 515.00 | 0.0 | 515.00 |
| 1 | job | Data Acquisition, Cement, Standard | 1,335.00 | 1,335.00 | 0.0 | 1,335.00 |
| 600 | miles | Mileage, Heavy Vehicle | 7.40 | 4,440.00 | 0.0 | 4,440.00 |
| 600 | miles | Mileage, Auto, Pick-Up or Treating Van | 4.20 | 2,520.00 | 0.0 | 2,520.00 |
| | Equipment Subtotal: | | | \$10,890.00 | | \$10,890.00 |

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

The technical data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The pricing data contained in this proposal are estimates only and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties.

This quotation is based on BJ Services Company being awarded the work on a first call basis and within thirty (30) days of the proposal date. These prices will be subject to review if the work is done after thirty (30) days from the proposal date, or on a second or third call basis.

Well Name:

Hueco South Unit 26 State #1 Job Description: 9-5/8" Surface Casing to 500'

Date:

December 6, 2007



Proposal No: 180270033B

PRICE ESTIMATE

Freight/Delivery Charges

| QTY | UNIT | PRODUCT DESCRIPTION | UNIT PRICE | GROSS AMOUNT | DISC (%) | NET AMOUNT |
|------|-----------------------------|-----------------------------|---------------|-----------------|---------------------------------------|---------------|
| 3456 | tonmi | Bulk Delivery, Dry Products | 2.47 | 8,536.32 | 0.0 | 8,536.32 |
| | Freight/Delivery Charges So | | Subtotal: | \$8,536.32 | | \$8,536.32 |
| | | | TOTAL: | \$29,171.72 | · · · · · · · · · · · · · · · · · · · | \$29,171.72 |

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Well Name:

Hueco South Unit 26 State #1 Job Description: 5-1/2" Production Casing to 6600'

Date:

December 6, 2007



Proposal No: 180270033B

WELL DATA

ANNULAR GEOMETRY

| ÁNNULAR I.D. (in) | DEPT MEASURED | H(ft) TRUE VERTICAL |
|-------------------|------------------|---------------------|
| 8.921 CASING | 500 | 500 |
| 7.875 HOLE | 6,600 | 6,600 |

SUSPENDED PIPES

| DIAMETE | R (in) | WEIGHT | DEP1 | TH(ft) |
|---------|--------|----------|----------|---------------|
| O.D. | I.D. | (lbs/ft) | MEASURED | TRUE VERTICAL |
| 5.500 | 4.892 | 17 | 6,600 | 6,600 |

| Float Collar set @ | 6,560 ft |
|--------------------|-----------|
| Mud Density | 10.00 ppg |
| Est. Static Temp. | 146 ° F |
| Est. Circ. Temp. | 117 ° F |

VOLUME CALCULATIONS

| 500 ft | x | 0.2691 cf/ft | with | 0 % excess | = | 134 5 cf |
|----------|---|--------------|------|-------------|---|----------------------|
| 5.100 ft | | 0.1733 cf/ft | with | 30 % excess | = | 1148 7 cf |
| 1,000 ft | | 0.1733 cf/ft | with | 47 % excess | = | 254.9 cf |
| ,,000.1 | | | | | | 201100. |
| 40 ft | X | 0.1305 cf/ft | with | 0 % excess | = | 5.2 cf (inside pipe) |

TOTAL SLURRY VOLUME = 1543.3 cf

275 bbls

Well Name:

Hueco South Unit 26 State #1 Job Description: 5-1/2" Production Casing to 6600'

Date:

December 6, 2007



Proposal No: 180270033B

FLUID SPECIFICATIONS

| FLUID | VOLUME CU-FT | VOLUME FACTOR AMOUNT AND TYPE OF CEMENT | |
|------------------------|-----------------|--|--------|
| Lead Slurry | 1283 | 1 2.3 = 540 sacks (50:50) Poz (Fly Ash):Premium Cement + 10% bwoc Bentonite + 3% bwo Sodium Chloride + 135.9% Fresh Water | |
| Tail Slurry | 260 | 1 1. = 200 sacks (50:50) Poz (Fly Ash):Premium F Cement + 5% bwow Sodium Chloride + 5 lb LCM-1 + 2% bwoc Bentonite + 0.5% bwoc I + 53.4% Fresh Water | s/sack |
| Displacement | | 152.5 bbls Displacement Fluid | |
| CEMENT PROPERT | IES | · | |
| | | SLURRY SLURRY | |
| | | NO. 1 NO. 2 | |
| Slurry Weight (ppg) | | 11.80 14.20 | |
| Slurry Yield (cf/sack) | | 2.38 1.30 | |
| Amount of Mix Water (| gps) | 13.69 5.37 | |

Well Name: Job Description: 5-1/2" Production Casing to 6600'

Hueco South Unit 26 State #1

Date:

December 6, 2007



Proposal No: 180270033B

PRICE ESTIMATE

Product Material

| QTY | UNIT | PRODUCT DESCRIPTION | UNIT PRICE | GROSS AMOUNT | DISC (%) | NET AMOUNT |
|------|-------|-----------------------------------|---------------|-----------------|-------------|---------------|
| 4872 | lbs | Bentonite | 0.42 | 2,046.24 | 0.0 | 2,046.24 |
| 1000 | lbs | LCM-1 | 0.98 | 980.00 | 0.0 | 980.00 |
| 370 | 74lbs | Poz (Fly Ash) | 11.25 | 4,162.50 | 0.0 | 4,162.50 |
| 2295 | lbs | Sodium Chloride | 0.41 | 940.95 | 0.0 | 940.95 |
| 1 | ea | Cement Plug, Rubber, Top 5-1/2 in | 125.00 | 125.00 | 0.0 | 125.00 |
| 370 | 94lbs | Premium Plus C Cement | 31.90 | 11,803.00 | 0.0 | 11,803.00 |
| 84 | lbs | FL-52A | 21.80 | 1,831.20 | 0.0 | 1,831.20 |
| 4 | gals | FP-6L | 84.75 | 339.00 | 0.0 | 339.00 |
| 4 | lbs | Static Free | 32.40 | 129.60 | 0.0 | 129.60 |
| | | Product Material S | ubtotal: | \$22,357.49 | | \$22,357.49 |

Service Charges

| QTY | UNIT | PRODUCT DESCRIPTION | UNIT PRICE | GROSS AMOUNT | DISC (%) | NET AMOUNT |
|-----|--------------------------------------|----------------------------------|---------------|-----------------|-------------|---------------|
| 1 | ea | Personnel Surcharge - Cement Svc | 145.50 | 145.50 | 0.0 | 145.50 |
| 875 | cu ft | Bulk Materials Service Charge | 3.41 | 2,983.75 | 0.0 | 2,983.75 |
| | Service Charges Subtotal: \$3,129.29 | | | | - | \$3,129.25 |

Equipment

| QTY | TIMU | PRODUCT DESCRIPTION | UNIT PRICE | GROSS AMOUNT | DISC (%) | NET AMOUNT |
|-----|---------------------------------|--|---------------|-----------------|-------------|---------------|
| 1 | day | Hi-Volume Air Compressor | 465.00 | 465.00 | 0.0 | 465.00 |
| 1 | 6hrs | Cement Pump Casing, 6001 - 7000 ft | 5,200.00 | 5,200.00 | 0.0 | 5,200.00 |
| 1 | job | Cement Head | 515.00 | 515.00 | 0.0 | 515.00 |
| 1 | job | Data Acquisition, Cement, Standard | 1,335.00 | 1,335.00 | 0.0 | 1,335.00 |
| 600 | miles | Mileage, Heavy Vehicle | 7.40 | 4,440.00 | 0.0 | 4,440.00 |
| 600 | miles | Mileage, Auto, Pick-Up or Treating Van | 4.20 | 2,520.00 | 0.0 | 2,520.00 |
| 1 | job | Centrifugal Transfer Pump, Trailer | 980.00 | 980.00 | 0.0 | 980.00 |
| | Equipment Subtotal: \$15,455.00 | | | | | \$15,455.00 |

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Well Name:

Hueco South Unit 26 State #1 Job Description: 5-1/2" Production Casing to 6600'

Date:

December 6, 2007



Proposal No: 180270033B

PRICE ESTIMATE

Freight/Delivery Charges

| QTY | UNIT | PRODUCT DESCRIPTION | UNIT PRICE | GROSS AMOUNT | DISC (%) | NET AMOUNT |
|-------|-------|-----------------------------|---------------|-----------------|-------------|---------------|
| 10562 | tonmi | Bulk Delivery, Dry Products | 2.47 | 26,088.14 | 0.0 | 26,088.14 |
| | | Freight/Delivery Charges S | Subtotal: | \$26,088.14 | | \$26,088.14 |
| | | | TOTAL: | \$67,029.88 | | \$67,029.88 |

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

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CONDITIONS

BJ Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions contained in the current BJ Services Price Book. The Terms and Conditions include, among other things, an indemnity in favor of BJ Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of BJ Services. The Terms and Conditions also limit the warranties provided by the BJ Services and the remedies to which Customer may be entitled in the event of a breach of warranty by BJ Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions. If you do not have a copy of the BJ Services Price Book, you can view the Terms and Conditions on BJ Services Web Site, www.bjservices.com. By requesting that BJ Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a Field Receipt or other document presented by BJ Services containing such Terms and Conditions.

In the event that Customer and BJ Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions. If you are interested in entering into Master Services Agreement with BJ Services, please contact us through the "Go BJ" button on the BJ Services Web Site.

 Report Printed on:
 DEC-06-07 01:48
 Gr4175

Operator:

Dan A. Hughes

Well Name: Hueco South Unit 26 State #1

Date:

December 6, 2007



Proposal No: 180270033B

PRODUCT DESCRIPTIONS

Bentonite

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

Calcium Chloride

A powdered, flaked or pelletized material used to decrease thickening time and increase the rate of strength development.

Cello Flake

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

FL-52A

A water soluble, high molecular weight fluid loss additive used in medium to low density slurries. It is functional from low to high temperature ranges.

LCM-1

A graded (8 to 60 mesh) naturally occurring hydrocarbon, asphaltite. It is used as a lost circulation material at low to moderate temperatures and will act as a slurry extender. Cement compressive strength is reduced.

Poz (Fly Ash)

A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.

Sodium Chloride

At low concentrations, it is used to protect against clay swelling. At high concentrations, it is used to increase the

Well Name:

Hueco South Unit 26 State #1

Date:

December 6, 2007

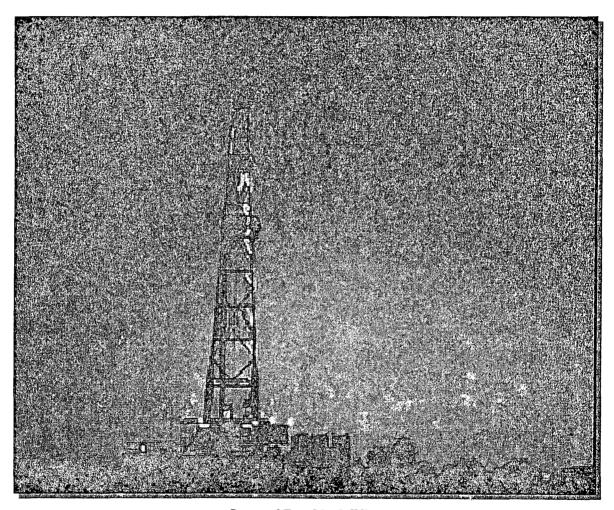


Proposal No: 180270033B

End of Report

Drilling Fluids Proposal

DAN A. HUGHES HUECO SOUTH UNIT 26 St. #1(Revised#1) SECTION 26, T-32-S, R-17-W HIDALGO COUNTY, NEW MEXICO



Prepared For: Mr. Jeff Ilseng

Prepared by: Mike Hammer December 7, 2007

M-I LLC 508 West Wall, Suite 750 Midland, Texas 79701 Tel: (432) 683-2065 • Fax: (432) 683-1434





508 West Wall, Suite 750, Midland, Texas 79701 • Tel: (432) 683-2065 • Fax: (432) 683-1434

December 7, 2007

Mr. Jeff Ilseng **DAN A. HUGHES**PO Drawer 669
Beeville, Texas 78104

Dear Mr. Ilseng:

M-I LLC would like to thank you for the opportunity to present our recommendations for your **Hueco South Unit 26 St.#1** to be drilled in Section 26, T-32-S, R-17-W, Hidalgo County New Mexico.

We recommend spudding with a M I Gel/Lime type drilling fluid, having a 32 - 34 sec/qt viscosity. Drill out below 9-5/8" surface casing with MI Gel/Poly Pac for a 32 - 40 sec qt funnel viscosity and a 20 - 25 cc fluid loss. At 6,500', lower fluidloss to 12-15 cc's. Adjustments for rheology can be made with MI Gel. This fluid should be sufficient to drill to total depth.

Included in this program are recommended properties and estimated costs. Should you have any questions or require additional information, please let me know.

Very truly yours,

M-I LLC

Mike Hammer Technical Service Engineer December 7, 2007

Mr. Jeff Ilseng **Dan A Hughes Company**PO Drawer 669

Beeville, TX 78104

Re: Drilling Fluid Bid for West Texas / New Mexico Wells to January 31, 2008

WATER-BASE MUD PRODUCTS with SERVICE

| SIZE | PRICE |
|--------|---|
| ton | \$ 173.88 |
| | \$ 11.25 |
| 100 lb | \$ 8.70 |
| 50 lb | \$ 5.01 |
| 50 lb | \$ 9.17 |
| 5 gal | \$ 125.98 |
| 5 gal | \$ 129.20 |
| 50 lb | \$ 189.03 |
| 25 lb | \$ 229.65 |
| 50 lb | \$ 6.25 |
| 50 lb | \$ 32.82 |
| 50 lb | \$ 11.74 |
| 50 lb | \$ 31.00 |
| 50 lb | \$ 17.60 |
| 50 lb | \$ 10.15 |
| 40 lb | \$ 10.17 |
| 40 lb | \$ 19.69 |
| 40 lb | \$ 10.75 |
| | ton 100 lb 100 lb 50 lb 50 lb 5 gal 5 gal 50 lb 25 lb 50 lb 50 lb 50 lb 50 lb 50 lb 50 lb |

40% Discount on all other products listed on December 1, 2006 Price List (attached)

Pallets and Shrink Wrap - \$15/each 24 Hour Engineering Service - \$800/Day Trucking Service at Published Rates Provided by LDI

Thank you for your consideration.

Sincerely, M-I LLC.

Mike Prewit
Midland Area Manager

M-I LLC 508 West Wall, Suite 750 Midland, Texas 79701 Tel: (432) 683-2065 • Fax: (432) 683-1434



MISWACO

Recommended muds have proven successful in this area. M-I mud engineers are very experienced running these systems.

- M I Gel/Lime spud mud to drill surface.
- Drill out below surface casing with MI Gel/Poly Pac for a 32-38 sec/qt funnel viscosity and a 20 25 cc fluid loss.
- At 6,500' lower fluidloss to 12-15 cc's for logging and casing operations.

MI SWACO

Total mud related costs are estimated at \$45,000 to \$50,000. This estimate is based on the M-I LLC pricing proposal contained in this program.

MISWACO.

The total estimated drilling time is eighteen to twenty (28-30) days.

MI SWACO

- Key concerns include the following:
- Seepage losses in all intervals to be drilled.
- Lost returns in all intervals to be drilled.

M SWACO

This well will be serviced from M-I's facility at Hobbs, New Mexico.

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Seepage Losses

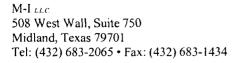
- Seepage losses can be expected in all intervals to be drilled.
- Control minor and seepage losses with Drilling Paper.

Lost Returns

- Lost returns could occur in all intervals to be drilled.
- Bulky fibrous LCM pills or sweeps with Fiber seal, Fiber Plug or Mix II.
- Mix II and Magma Fiber are the acid soluble products and consideration should be given to using only these products in the production zones.
- Maintain fluid density as low as possible to minimize the problem of lost returns.

Hole Cleaning

- Use **Super Sweep** and **Drilling Paper** sweeps to clean the hole.
- Use viscous mud sweeps to clean the surface hole should dry drilling become necessary.





Interval Summary 1

| 12-1/4" O | pen Hole - (0' - 500') - 9-5/8" Casing |
|-----------------------|---|
| Drilling Fluid System | Native/Lime Spud Mud |
| Key Products | Lime, Drilling Paper, M-I Gel |
| Solids Control | Shakers, Desander, Desilter |
| Potential Problems | Seepage Losses, Lost Returns, Hole Cleaning |

| | Interval C | Drilling F | luid Prop | perties | |
|---------------------------|---------------------------|------------------------------|---|---------------------------------|------------------------|
| Depth Interval (ft) | Mud Weight (lb/gal) | Plastic Viscosity (cp) | Yield Point (lb/100ft ²⁾ | API Fluid Loss (ml/30min) | Drill Solids (%) |
| 0 - 500 | 8.4 - 8.9 | 2 - 3 | 2 - 3 | N/C | <3 |

- Spud with a Native/Lime fluid with a funnel viscosity of 32 34 sec/qt.
- Control minor and seepage losses with **Drilling Paper** and fibrous material **LCM**.
- In the event losses are not easily controlled, it may become necessary to dry drill to casing point.
- Use high viscosity M-I Gel sweeps to ensure a clean hole if dry drilling becomes necessary.



| 7-7/8" Ope | n Hole - (500' - 6,600') - 5-1/2" Casing |
|-----------------------|--|
| Drilling Fluid System | MI Gel/Poly Pac/Thinsmart |
| Key Products | MI Gel, Drilling Paper, Poly Pac, Caustic Soda, Fiber Seal, Defoam |
| | A, Soda Ash |
| Solids Control | Shale Shakers |
| Potential Problems | Seepage Losses, Lost Returns, Hole Cleaning |

| Interval Drilling Fluid Properties | | | | | | | | | |
|------------------------------------|---------------------------|------------------------------|---|---------------------------------|------------------------|--|--|--|--|
| Depth Interval (ft) | Mud Weight (lb/gal) | Plastic Viscosity (cp) | Yield Point (lb/100ft ²⁾ | API Fluid Loss (ml/30min) | Drill Solids (%) | | | | |
| 500 - 6,500 | 8.4 - 8.6 | 4 - 6 | 5 - 8 | 20 - 25 | <2 | | | | |
| 6,500 - 6,600 | 8.6 - 8.8 | 4 - 6 | 5 - 8 | 12 - 15 | <5 | | | | |

- Drill out below surface casing with MI Gel/Poly Pac for a 34 38 sec/qt funnel viscosity and a 20 25 cc fluid loss.
- Use **Drilling Paper** and/or **Super Sweep** for sweeps to ensure good hole cleaning.
- Maintain a pH of 9.5-10.0 with Caustic.
- Adjust viscosity with MI Gel as needed.
- Lower fluidloss to 12 15 cc's at 6,500' for logging and casing operations.

NOTE-Lost circulation and bad deviation are possible throughout this interval.



| Casing Size (in) | Hole Size (in) | Casing Program | Depth (ft) | Estimated Formation Tops | Mud System | Mud Weight (lb/gal) | Interval Days | interval Mud Cost |
|------------------------|----------------------|-----------------------|---------------------------------|--------------------------------|--|--|--|---|
| | | | | | Spud Mud | 8.4 - 8.9 | | |
| 9-5/8 | 12-1/4 | | 500 | Casing Point | | | 2 | \$2,000 |
| | | | | | MI Gel/Poly Pac | 8.4-8.6 | | |
| 5-1/2 | 7-7/8 | | 6,500 6,600 | Lower fluid Loss Casing Point | | 8.6-8.8 | 26 | \$43,000 |
| | 9-5/8 | Size (in) Size (in) | Size (in) Program 9-5/8 12-1/4 | Size (in) Program (ft) | Size (in) Program (ft) Formation Tops 9-5/8 12-1/4 500 Casing Point 6,500 Lower fluid Loss | Size (in) Program (ft) Formation Tops System Spud Mud 9-5/8 12-1/4 500 Casing Point MI Gel/Poly Pac 6,500 Lower fluid Loss | Size (in) Size (in) Program (ft) Formation System (lb/gal) | Size (in) Size (in) Program (ft) Formation Tops System Weight (lb/gal) Days |

TOTAL DAYS: 28 TOTAL COST: \$45,000

- This estimate does not include extensive lost circulation or major problem incidents.
- The cost estimate is based M-I L.L.C. pricing proposal contained in this program.

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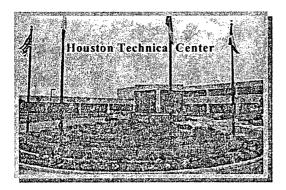
MARSHALL R. YOUNG

Bisbee Hills #1 Sec 11, T-26-S, R-11-W Luna County, New Mexico



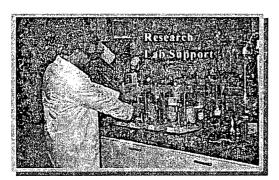


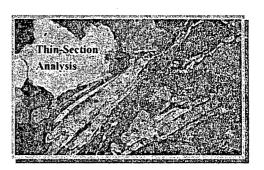
Technology and service are the cornerstones of M-I Drilling Fluids' success at the wellsite. To ensure both are maintained at optimal levels, M-I provides support from the corporate Technical Center in Houston and from international centers in Norway, Colombia, and Scotland.



Key responsibilities include fluids research and development, technical services, drilling research, environmental affairs, and training. Fully equipped laboratories are staffed by professionals representing a wide range of disciplines in the sciences and the drilling fluids industry.

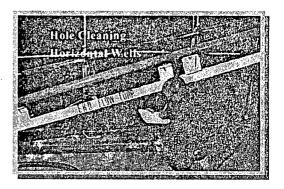
Current technology focus is on HTHP drilling, extended-reach and horizontal wells, deepwater operations, and wells drilled through troublesome formations.





Advancements in drilling fluids technology have provided step improvements for drilling difficult wells with environmentally friendly drilling fluids. NO-VAPLUS, NOVADRIL, and NOVALITE synthetic-based fluids have helped achieve record drilling rates and significant savings in drilling costs. M-I's POLY-STAR 450 high-temperature water-based mud system has set the new industry standard in its class.

Concern for costs to produce a barrel of oil led to the development of FLO-PRO drill-in fluids, These rheologically engineered fluids are designed for optimal hole cleaning and minimum formation damage.



M-I's technical support staffs provide effective solutions for difficult well problems using teamoriented concepts involving customer and local operations personnel. Computer software, special and routine laboratory tests, fluid formulations, and engineering trouble shooting are just a few of these important contributions.

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Personnel Dan A. Hughes

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Mike Hammer Midland, Texas

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505-392-8456 505-390-3438

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Dallas Casey

Monohans, Texas

Phone: Cell: 432-943-2403 432-238-9562

WAREHOUSE:

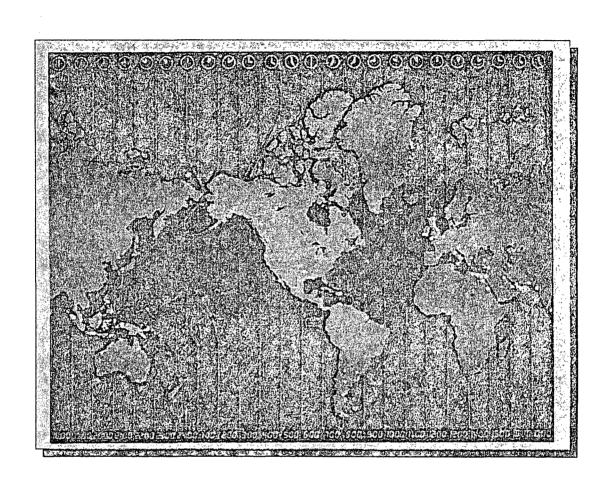
Hobbs, New Mexico

Phone:

505-392-5586



M-I Serves the Petroleum World



This suggested program is advisory only and may be rejected in the sole discretion of any and all parties receiving it. In addition all parties receiving this program recognize, agree, and acknowledge that M-I LLC (M-I) has no care, custody or control of the well, the drilling equipment at the well, nor the premises about the well. Also, there are obviously many conditions within and associated with a well of which M-I can have no knowledge and over which it does not and cannot have control. Therefore, M-I shall not be liable for the failure of any equipment to perform in a particular way or the failure to obtain any particular results from carrying out this program by any party receiving it. Furthermore, the owner and operator of the well and the drilling contractor in consideration of the recommendations contained in this suggested program agree to indemnify and save M-I harmless from all claims and costs for loss, damage or injury to persons or property including, without limitations: subsurface damage, subsurface trespass or injury to the well or reservoir allegedly caused by M-I's operations or reliance by anyone upon this program unless such personal injuries or damage shall be caused by the willful misconduct or gross negligence of M-I.

