| <u>District I</u> 1625 N. Fren <u>District II</u> | | , | | ·, En | | State of Ne Ainerals and | w Mexico Natural Reso | REC | eivei | Form C-101 May 27, 2004 |
|---|-----------------------|-----------------|---|-------------|---------------|------------------------------|--------------------------|--------------------------------------|-----------------------------------|---------------------------------------|
| 1301 W. Gra District III | nd Avenue, | Artesia, NM | 88210 | | Oil | Conservat | ion Division | APR 2 | S Qbmit to appro | priate District Office |
| 1000 Rio Bra District IV | izos Road, | Aztec, NM 8 | 7410 | | | | Francis Dr. | | | MENDED REPORT |
| 1220 S St. F | rancis Dr., | Santa Fc, NM | 1 87505 | | | Santa Fe, N | M 87505 | -IOBE | IS UL | |
| APPL | ICATI | ON FOF | R PERMIT | тор | RILL | , RE-ENT | ER, DEEPE | N, PLUGBA | CK, OR AI | DD A ZONE |
| | | E | Operator Name | and Addre | LC | | | | ² OGRID Numb 143199 | er |
| | | Fannin | nervest Ope St. Suite 800 |), Hous | | | | 30- | ³ API Number | 3881 |
| ³ Prop 30 | erty Code 3904 | | | | J\ J\ | Property Name W Sherrell | | | ° W | ell No |
| | | • • | Proposed Pool 1 | | | | | ¹⁰ Prop | l oosed Pool 2 | |
| | Jaln | nat (Tans | il-Yates-7 F | Rivers) | | | · | lattix (Lower | 7 Rivers-Qu | ieen-Grayburg) |
| | 1 | T | _ | | $\frac{7}{5}$ | urface Loca | | | | · · · · · · · · · · · · · · · · · · · |
| UL or lot no K | Section 31 | Township 24S | Range 37E | Lot I | ldn | Feet from the 1980 | North/South line South | Feet from the 2130 | East/West line West | County LEA |
| | | | ⁸ Propo | sed Botte | om Hol | e Location If | Different From | Surface | | 1 |
| UL or lot no | Section | Township | Range | Lot I | 1 | Feet from the | North/South line | Feet from the | East/West line | County |
| Į | 1 | L | 1 | Ad | ldition | al Well Inf | ormation | <u> </u> | 1 | J |
| | Type Code | | ¹² Well Type Co | | | ¹³ Cable/Rotary | | Lease Type Code | ¹⁵ Gro | ound Level Elevation |
| | N Aultiple | | 17 Proposed Dep | th | | R ¹⁸ Formation | | ¹⁹ Contractor | | 3235' |
| 1 | No | | 3800' | | | T-Y-7R | | NA | | NA |
| Depth to Gro | | 100' | | | | earest fresh water | | | m nearest surface | water >1000' |
| | Synthetic | | nils thick Clay | 📙 Pit V | /olume | | Drillin <u>g M</u> e | | | |
| | ed-Loop Sy | stem 🔼 | 21 | Propos | ad Ca | sing and C | ement Progra | • D Brine D D | iesel/Oil-based | Gas/An |
| Hole S | Size | Cas | ing Size | | g weight/ | | Setting Depth | Sacks of C | amont | Estimated TOC |
| 12-1 | | | ·5/8" | | 24# | 1001 | 1,250' | 610 | | Surface |
| 7-7/ | 8" | 4- | ·1/2" | 1 | 1.6# | | 3,800' | 650 | | Surface |
| | | | | | | | | | | |
| | | | | | | Oil | Conservati | o n Division oval: Approva | l for drilling/w | orkover |
| | | | gram. If this app the blowout pre | | | | Y CANNOT p | roduce Downh | ole Comming | led until |
| pi | ouuctive zu | me. Deserro | e the blowout pre | vention pro | ogram, n | | is approved in | Santa Fe. | | |
| 1. Prep | are surf: | ace locatio | n. Move in a | und rig u | ıp drill | ling rig, spud | well and drill | and set condu | ctor. Install | and test BOP's. |
| 2. Drill | 12-1/4" | surface ho | ole to a minin | 1um dep | th of 1 | 250'. Set 8 5 | 5/8"casing and | cement. | | : |
| | | | | | | | | as DLL/LDT/ cessary (specif | | |
| deter | rmined). | | | | 1 | ; | | • • • | • | |
| | e well on can be n | | his area and | an H2S | contin | oency nlan a | ttached P | ermit Expire | es 2 Years I | From Approval Underway |
| | eun se p | | ino ur cu unu | | contin | genej plan a | uncheu. | Date Uni | 622 D. Hung | Undernag |
| | | | | | | | | | | |
| ²³ I hereby ce | rtify that th | e information | n given above is t rther certify tha | rue and co | mplete to | o the | OIL C | ONSERVAT | FION DIVIS | SION |
| constructed | according | to NMOCD | guidelines 🔲, a | | | - I | ved by: | 11 | L. | |
| an (attached |) alternativ | ve OCD-app | roved plan . | A | | | _ hus | Willie | ems | |
| Printed name | Ronni | e Young | M, | / | | Title [.] | OC DISTRIC | | P AM PT | AANTA MEN |
| Title. Regu | | | | | | Appro | val Date MAY | 0 1 2008 E | Expiration Date | MANAGER |
| | | ing@enei | vest.net | | | c | ONDITIONS | OF APPRO | | |
| Date ⁻ 4-25-0 | 8 | | Phone 713-4 | 95-6530 | | l I | | r drilling only | | · /v |
| | | | | | | u | nitl OCD San | ta Fe appro | /e Simultan | eous |
| | | | | | | | dication of A | creage and l | Pool/Forma | tion. |

<u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District 11</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District 111</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District 1V</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

160

Y

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

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

Santa Fe, NM 87505

AMENDED REPORT

| | | W | ELL LC | CATION | N AND ACF | REAGE DEDIC | ATION PLA | Т | | | |
|-----------------------------|---|--|------------------|--------------------------------|-----------------------|-------------------|---------------|--------|-------------|------------|--|
| 30-02 | API Number 5 · 38 | | 7. | ² Pool Code 9240 | | Jalmar (T-Y-1R) B | | | | | |
| ⁴ Property | Code | | • | ⁵ Property Name | | | | | | ell Number | |
| 3039 | 303904 JW Sherrell | | | | | | | | | 11 | |
| ⁷ OGRIE | ⁷ OGRID No. ⁸ Operator Name | | | | | | | 9 | Elevation | | |
| 1431 | 99 | | | | Enervest Op | perating | | 3227' | | | |
| | | P ⁴⁴ +4+4+4+4+4+4+4+4+4+4+4+4+4+4+4+4+4+4 | | | ¹⁰ Surface | Location | | | | | |
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/W | est line | County | |
| К | 31 | 24-S | 37-Е | | 1980' | South | 2130' | We | est | Lea | |
| | | · · · · | ¹¹ Bc | ottom Ho | le Location I | f Different Fror | n Surface | | | | |
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | Eas | t/West line | County | |
| | | | | | | | | | | | |
| ¹² Dedicated Acr | es ¹³ Joint o | r Infill ¹⁴ Co | onsolidation | Code 15 Or | der No. | | | | | | |

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

| <- 2130'- | 10 × 086 / 45 | South 1/2 of Sec. 31, T-24,R-37 | 1' OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Signature Action Printed Name Action Title and E-mail Address 4-8-08 Date |
|-----------|---------------|------------------------------------|---|
| | ,#10 | | ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief Date of Survey |
| | | North ½ of Sec. 6, T-25,R-37 | Signature and Seal of Professional Surveyor Certificate Number |

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR.

1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505 Form C-102 Revised October 12, 2005 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

| DISTRICT IV 1220 S. ST. FRANCIS D | R SANTA FE | NM 87505 | WELL LC | CATION | AND ACREA | GE DEDICATI | ON PLAT | | DED REPORT | |
|--------------------------------------|---|--|-------------------|-----------------|------------------------------|------------------|--|--|-----------------|--|
| | lumber | | 312 | Pool Code 40 | Lan | glie Mattix | Pool Name (L 1R-Q- | G) 0,1 | | |
| Property C | | | <u> </u> | | Property Name | / | | Well Nu | unber | |
| 3039 | 04 | | | | JW SHERRELI | L | | 1 | 1 | |
| OGRID N 14 31 4 | | | | ENE | Operator Name RVEST OPERA | TING | | Elevation 3235' | | |
| | | I | | | Surface Location | | - <u>-</u> , , , , , , , , , , , , , , , , , , | | | |
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County | |
| К | 31 | 24-S | 37-E | | 1980 | SOUTH | 2130 | WEST | LEA | |
| | | | Bottom Ho | le Location I | f Different From Su | irface | | | | |
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County | |
| Dedicated Acres | Joint or | Infill (| Consolidation Cod | e Ords | er No. | | | | 1 | |
| 40 | Y | | | | | | | | | |
| | | BLEWILLE | REASSIGNE | ED TO THIS | COMPLETION UP | NTIL ALL INTERES | TS HAVE BEEN C | ONSOLIDATED | | |
| 10 | | | | | | PPROVED BY THE | | | | |
| LOT 1 | | | | | | | | | | |
| | 1 | | | | 1 | | | OR CERTIFICAT | | |
| | | | | 1 | | | complete to the be | y that the information berean is est of my knowledge and belie wither course a working interact | f, and that | |
| | | | | | | | mineral interest in | either owns a working interest 1 the land including the propos as a right to drill this well at th | ed bottom | |
| | | | | 1 | | | pursuant to a com | ns a right to ciril this wen at the tract with an owner of such mi or to a voluntary pooling agree | ineral or | |
| | ، ۱ | | | | 1 | | | ng order beretofore entered by | | |
| 70.00 | | | | I | | | | 1 | | |
| <u>38.09_A</u> | | <u> </u> | | | i i | | | | | |
| | | Gl | EODETIC C | | ES | | SV1 | 4-8-0 | 00 | |
| | | • | NAD 2 | / NME | 1 | | Signature | | ate | |
| | | | Y≕4281 | | | | Bion E | Miles | | |
| | 1 | | X=8497 | 79.0 E | 1 | | Printed Nam | RE AZPAT | | |
| | | | LAT. = 32.1 | | | | | 13741 | | |
| | c | | ONG.=103 | .202912 | w | | SURVEY | OR CERTIFICA | TION | |
| LOT 3 | ſ | | | | | | I hereby certify | y that the well location shown | on this plat | |
| | Į | | l | | 1 | | was plotted from or under my super | field notes of actual surveys m rvision, and that the same is th | uade by me | |
| | | | 1 | | | | correct to the best | | | |
| | 2130' | ······································ | -0 | | 1 | | | MIDJ. FLOW | | |
| | Y | | Ĩ | 1 | I | | and the second | ALU J. ELONIN | D | |
| | l | | | | | | Date Survey | ME | -γ ₁ | |
| | <u>c. </u> | | • | | | | Signature & | | 5 | |
| LOT 4 | 1 | | 980'- | | | | Professional | Surveyor | S I | |
| | 1 | | -196 | 8 | 1 | | 1 Disni | | | |
| | | | | | | | Muntilla | 6 Mariati | 3/00 | |
| | 1 | | | I I | I | | Hellow Ca | OPOIEEHNALOSS | | |
| | | | | | | | Certificate N | O. GARY EIDSON | 12641 | |
| | - | | | 1 | l . | | | RONALD J. EIDS | | |
| 38.13 A | c. | | ¥ | | | | | · · · · · · · · · · · · · · · · · · · | | |



VICINITY MAP

| · · · · · | T | T | | | | | | | | | | |
|-----------|-----------------|--------------------|----------------------|-----------------|------------------------|--------------------------------|--------------------------------------|-----------|-----------------|-------------|------------------------------|-----------------|
| E11 21 | 22 | 23 | TEAGUE S | WITCH | 20 | 21 | 22 | 23 | 24 | 19 | 20 | 21 |
| 28 | 27 | 26 | 25 | 30 | 29 | 28 | 27 | 26 | 25 | 30 | 29 | 28 |
| 33 | 34 .57 20 20 | 35 | DEEPWELL J8 36 | S 31 | 22 22 32 | 33 | 34 | 35 | 36 | 31 | 32 | 33 |
| 4 | 3 | 2 | 1 | 6 | s 21. | 4 | 3 | S | 1 | 6 | 5 | 4 |
| 9 | 10 | 11 | 12 | 7 | 8 | 9 | 10 | 11 | 15 | 7 | 8 | 9 |
| 16 | DEEPWELLS | ⁰⁰ ⊓ 14 | 13 COOPER | 18 CEMETERY | | 16 EAST | 15 | 14 | 13 | 18 | 17 | 16 |
| 21 | | 6f 23 | 24 | J7 19 | 20 FLYING | 21 E | 55 | 23 | 24 | 19 | 20 | 21 |
| 28 | 27 3 | 26 | 25 | 30 |)14 81 129 15 | 28 | 27 TX | 26 | 25 DOLLARHIE | 30 E 30 | 29 | 28 |
| 33 | JW SHER | RELL #11 | 36 ILLIPS HI | 31 | 35 35 | 33 RICHAR J13 | ³⁴ ⊐ ■SON [⊐] | 35 | یار 36 | DDLLARHIDE | 32 | 33 |
| 4 | 3 | 2 | J10 | 6 15 | 5 | 4 | 3 | 5 LL 8 | 1 | 6 | 5 | 4 |
| 9 | 10 | 11 | 12 | 7 4 | | 9 | 10 LEA COUNT JAL AP | 11 Y | 12 | 7 | 8 1DE | 9 |
| 16 | 15 | 14 | ¹³ J. | | 11/ 17 / - | лапа 16 2Снааг 2Снааг | | 14 14 | 13 S | 18 T 128 | DOLLARHI 1 ^{J14} | 16 # 2 |
| 21 | 55 | 23 | 24 | WOMING US 19 | 20 | 21 ST 128 | 22 | 53 4 | 24 | 19 | 50 | 21 [‡] |

SCALE: 1" = 2 MILES

SEC. <u>31</u> TWP. <u>24-S</u> RGE. <u>37-E</u>

| SURVEY | N | . <u>M.P.</u> | М. | |
|-------------|----------------|---------------|-------|----------------|
| COUNTY | LEA S | STATE | NEW | MEXICO |
| DESCRIPTION | v <u>1980'</u> | FSL | & 21. | <u>30' FWL</u> |
| ELEVATION_ | | 323 | 35' | |
| OPERATOR | ENERV | EST (| OPERA | TING |
| LEASE | JW S | SHERI | RELL | |





| well J | .W. Sh | nerrell # | <i>‡</i> 11 | | E | INE | RVE | ST | | | |
|--------------------------|--------------------------|--|-------------------------|--------------|---------------|--|----------------|-------------|----------------|---|---------|
| | ERTICAL | | RIG | TBD | | | | DATE | | 4/25/200 | |
| | ALMAT | | COUNTY | LEA COU | ITY, NEW | V ME | XICO | ELEVATION | | 3,235 | |
| | AS | | MUD | NOVA | | | | CEMENT | | RISING S | |
| | | | SEC 31 T24S R37E | · - · · | | | | SBHT | | 99° F | |
| | BJECTIVE | FORMATIO | N: TANSILL, YATES, SEVE | N RIVERS, QL | JEEN & PE | NRO | SE | | | | |
| NOTE | | | | | | | | | | | |
| MUD- | SURVEYS | WOB/GPM | FORMATION | | | | MUD | OPEN HOLE | CEMENT | WELLHEAD | REMARKS |
| LOGGER | | BIT | DEPTHS | | EPTH | ET | WEIGHT | LOGS | | | |
| | | | 14" CONDUCTOR | | 40' | | | | | | |
| | _INATIONS 0' & 1,250' | | 12-1/4" HOLE | ┋ | | | 8.5 - 8.8 | PPG NATIVI | E | | |
| | | YPE 2 INSE | | | | | | | | | |
| NO MUD LOC | GER | 60' PEND 2 - 8" DCs | RED BEDS | | | | LEAD: TAIL: | | s "C" 2% C | GEL (1.90 Yld, ⁻ aCl2 (1.35Yld, | , |
| | | | 8-5/8" 24# J55 STC | | ,250' | | TOP OU | FLOAT COLI | | AS PATTERN S | HOE |
| INCLINATION | NS | | 0-3/0 24# 300 STU | ╧╺┛╽ | ,200 | L | | | | | |
| EVERY 500' OR AS NEED | | 10K/350 SEC FMH3 15K/350 PACKED | 7-7/8" HOLE 655ZM | | | | 9.8 - 10. | 1 PPG BRINI | Ξ | | |
| NO MUD LOC | GGER | | | | | | | | | | |
| | | | | | | | | | | | |
| | | 20K/350 | | | 2,000' | | | | | | |
| | | 22K/350 | | | 2,400' | < | < ADD ST | ARCH FOR 1 | 15 - 20 CC | WL | |
| | | | PRIMARY OBJECTIVES | | | | | | | | |
| POS LR - DE | PLETION | | TANSILL (DOLO / ANHYD) |)> | 2,660' | < | < POS LO | ST RETURN | S 2,700'- | 3,600' | |
| | | 25K/350 | YATES (SS / DOLO) |) > 2 | 2,773' | | TD TO S | | HO DENSI | TY / DUAL LA | TEROLOG |
| | | SE | VEN RIVERS (SS / DOLO) |)> 2 | ,990 ' | < | | SURFACE: (| | RON | |
| | | QUE | EN (ANHYD/SS/DOLO) | > 3 | ,383' | | LEAD: | | | (11.8 PPG 2 | |
| | | PE | NROSE (LOWER QUEEN) |)> 3 | ,502' | TAIL: 300 SKS CLASS "C" (14.8 P (20% EXCESS OVER CALIF CEMENT TO SURFACE | | | CALIPER) CE | 3 CF/SK) | |
| | | | 4-1/2 11.60# J55 LTC | | ,800' | | | FLOAT SHO | E, 1 JT, FLC | DAT COLLAR | |
| | | | | | | | | | | | |
| | | | | | | | | OFFICE | = | HOME | |
| AFE# CC | 0-0804-190 | REGULATORY | / | RONNIE Y | OUNG | | | (713) 495-0 | | | |
| ev# 45 | 134.004 | SAFETY, HEA | LTH & ENVIRONMENTAL | ELROY AF | | | | (713) 495-0 | | (337)654-199 | 92 |
| API# 30- | -025- | GEOLOGIST | | ROGER T | REJO | | | (713) 495- | 5317 | (281) 265-59 | 73 |



J.W. SHERRELL #11 - DRILLING PROGRAM

1 Geologic Name of Surface Formation & Directions to Well

Quaternary

Directions to well:

2 Estimated Tops of Important Geologic Markers

| MD | SS | Formation | Objective | Rock Type | | |
|-------|------|--------------|-----------|----------------------------|--|--|
| | | | | | | |
| 2,660 | 575 | Tansill | Primary | (Dolomite & Anhydrite) | | |
| 2,773 | 462 | Yates | Primary | (Sandstone & Dolomite) | | |
| 2,990 | 245 | Seven Rivers | Primary | (Sandstone & Dolomite) | | |
| 3,383 | -148 | Queen | Primary | (Anhydrite, SS & Dolomite) | | |
| 3,502 | -267 | Penrose | Primary | (Lower Queen) | | |
| | | Grayburg | | (Dolomitic SS) | | |

3 Estimated Depths of Anticipated Fresh Water, Oil and Gas

| MD | SS | Formation | Objective | Fluid Type |
|-------|------|--------------|-----------|------------|
| | | | | |
| 2,660 | 575 | Tansill | Primary | (Oil/Gas) |
| 2,773 | 462 | Yates | Primary | (Oil/Gas) |
| 2,990 | 245 | Seven Rivers | Primary | (Oil/Gas) |
| 3,383 | -148 | Queen | Primary | (Oil/Gas) |
| 3,502 | -267 | Penrose | Primary | (Oil/Gas) |
| | | Grayburg | | (Oil/Gas) |

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Setting 8-5/8" casing to 1,250' and circulating cement back to the surface will protect the surface fresh water sand. All zones containing commercial quantities of oil or gas will have cement circulated across them by cementing the 4-1/2" production casing back to at least the 8-5/8" casing shoe. Cement volumes will be pumped to provide cement back to surface.



4 Casing Program

| Hole Size | Interval | OD Casing | Weight | Grade | Conn./New? | Bur/Col/Tens |
|-----------|----------|-----------|--------|-------|------------|--------------------|
| 12-1/4" | 0-1,250' | 8-5/8" | 24# | J-55 | STC/New | 2.00 / 2.40 / 1.94 |
| 7-7/8" | 0-3,800' | 4-1/2" | 11.60# | J-55 | LTC/New | 1.16 / 2.50 / 1.86 |

5 Cement Program

| 8-5/8" Surface Casing | LEAD 415 SX, 35/65/6, C/Poz/Gel, 1.90 cf/sk, 12.8 PPG |
|-----------------------|--|
| 100% XS | TAIL 195 SX, Class "C", 1.35 cf/sk, 14.8 PPG |
| 4-1/2" Production Csg | LEAD 350 SKS 50:50 POZ:C (11.8 PPG 2.56 CF/SK) TAIL 300 SKS CLASS "C" (14.8 PPG 1.33 CF/SK) |

6 Minimum Specifications for Pressure Control & Wellhead Equipment

The blowout preventer equipment (BOPE) shown in Exhibit #9 will consist of a double ram-type (2,000 psi WP) preventer. This unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on bottom and 4-1/2" drill pipe rams on top. The BOPE will be nippled up on the 8-5/8" surface casing and tested to 2,000 psi by a third party. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment (Exhibit #10) will include a kelly cock and floor safety valve, choke lines and a choke manifold (Exhibit #11) and will have a 2,000 psi WP rating.

A 2,000 psi WP Larkin Type Wellhead will be used.

7 Types and Characteristics of the Proposed Mud System

The surface hole will be drilled with a fresh water mud. The production hole will be drilled with saturated brine water.

| DEPTH | TYPE | WEIGHT | VISCOSITY | WATER LOSS |
|-----------|--------|--------|-----------|------------|
| 0-1,250' | FW Mud | 8.7 | 28 | N.C. |
| 1,250'-TD | Brine | 10 | 30 | 12 cc |



Sufficient mud materials will be kept at the well site to maintain mud properties and meet minimum lost circulation and weight increase requirements at all times.

8 Auxillary Well Control and Monitoring Equipment

- A. Kelly cock will be kept in the drill string at all times.
- **B.** A full opening drill pipe-stabbing valve with proper drill pipe connections will be on the rig floor at all times.

9 Logging, Testing and Coring Program

- **A.** The electric logging program will consist of a GR-Dual Laterolog Litho Density log run from TD to the surface casing shoe.
- B. A GR-Neutron will be run to surface.
- **C.** No mud logger will be used.
- D. No conventional coring is anticipated. Further testing procedures will be determined after the 4-1/2" production casing has been cemented at TD, based on drill shows and log evaluation.

10 Abnormal conditions, Pressure, Temperatures and Potential Hazards

No abnormal pressures or temperatures are anticipated. The estimated bottom hole at TD is 97°F and the estimated maximum bottom hole pressure is 1,700 psi. Lost returns have been experienced in offset wells. Losses have occurred below 2,700'.

11 Anticipated Starting Date and Duration of Operations

Road and location work will not begin until approval has been received. Anticipated Start Date is **August 24, 2008**.

Once commenced, drilling operations should be finished in approximately 12 days. If the well is productive, an additional 30 days will be required for completion and testing before a decision is made to install permanent facilities.



12 Safety

Conduct Tour Safety Meetings with all crews and record topics of these meetings on the IADC and morning reports. Document all personnel in attendence and topics of these Safety Meetings. Keep these documents on file in company representative's office for inspection.

13 Notes

Stamp, Code and Sign all Invoices

H₂S Area? If yes, attach contingency plan.

| Inclinations: | Survey every 500' or bit trip Drop Totco every trip out to check the angle. Max inclination = 3° Call Houston if survey is >= 3° | | |
|---------------|--|---|--|
| Mud Disposal: | Closed Loop system will be used. Haul off all cuttings and fluids. | | |
| BHA #1 | Surface | BIT-(2-8"DC)-STAB-DCs as needed (60' Pendulum) | |
| BHA #2 | Production | BIT-NB-PC-ST-DC-ST-DC-STAB-DCs as needed (Packed) | |

BIT PROGRAM

| Surface | 12-1/4" | Smith F29 | RРМ 90 | WOB 35k |
|------------|---------|-----------|------------------|------------|
| Production | 7-7/8" | FMH3655ZM | 100-110 | 15-25k |