

RECEIVED

RCVD MAY 25 '12

OIL CONS. DIV.

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

Form 3160-3
(August 2007)

MAR 16 2012

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Farmington Field Office
Bureau of Land Management

APPLICATION FOR PERMIT TO DRILL OR REENTER

| | | | |
|---|--|--|--|
| 1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER | | 5. Lease Serial No. Jicarilla Contract 110 | |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone | | 6. If Indian, Allottee or Tribe Name Jicarilla Apache | |
| 2. Name of Operator Enervest Operating, L.L.C. | | 7. If Unit or CA Agreement, Name and No. | |
| 3a. Address 1001 Fannin Street, Suite 800 Houston, TX 77002 | | 8. Lease Name and Well No. Jicarilla A No. 4M | |
| 3b. Phone No. (include area code) 713-495-6537 | | 9. API Well No. 30-039-29928 | |
| 4. Location of Well (Report location clearly and in accordance with any State requirements:*) At surface 1780' FSL & 580' FWL At proposed prod. zone | | 10. Field and Pool, or Exploratory Blanco Mesaverde/Basin Dakota | |
| 11. Sec., T. R. M. or Blk. and Survey or Area Sec 19, T-26N, R-5W, UL L | | 12. County or Parish Rio Arriba | |
| 13. State NM | | 14. Distance in miles and direction from nearest town or post office* 30 miles from Lindrith, NM | |
| 15. Distance from proposed* 580' location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) | | 16. No. of acres in lease 2558.36 | |
| 17. Spacing Unit dedicated to this well MV-320 W/2 319.16 DK-320 W/2 | | 18. Distance from proposed location* 300' to nearest well, drilling, completed, applied for, on this lease, ft | |
| 19. Proposed Depth 8428' 7480' | | 20. BLM/BIA Bond No. on file NMB000503 | |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6612' GL | | 22. Approximate date work will start* 04/01/2012 | |
| 23. Estimated duration 2-3 wks | | 24. Attachments | |

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

| | | |
|---|--|--------------------|
| 25. Signature <i>Bridget Helfrich</i> | Name (Printed/Typed) Bridget Helfrich | Date 03/13/2012 |
| Title Regulatory Tech. | | |
| Approved by (Signature) <i>[Signature]</i> | Name (Printed/Typed) AFM | Date 5/16/12 |
| Title AFM | Office FFO | |

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

NMOCD
A

JUN 06 2012 ca

This action is subject to technical and procedural review pursuant to 43 CFR 3169.8 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

RCVD JUN 6 '12

OIL CONS. DIV.

DIST. 3

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-102
Revised July, 16, 2010
Submit one copy to appropriate
District Office☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---|---|---|
| ¹ API Number 30-039-29928 | ² Pool Code 72319/71599 | ³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA |
| ⁴ Property Code 306750 | ⁵ Property Name JICARILLA A | ⁶ Well Number 4M |
| ⁷ OGRID No. 143199 | ⁸ Operator Name ENERVEST OPERATING, LLC | ⁹ Elevation 6612' |

¹⁰ Surface Location

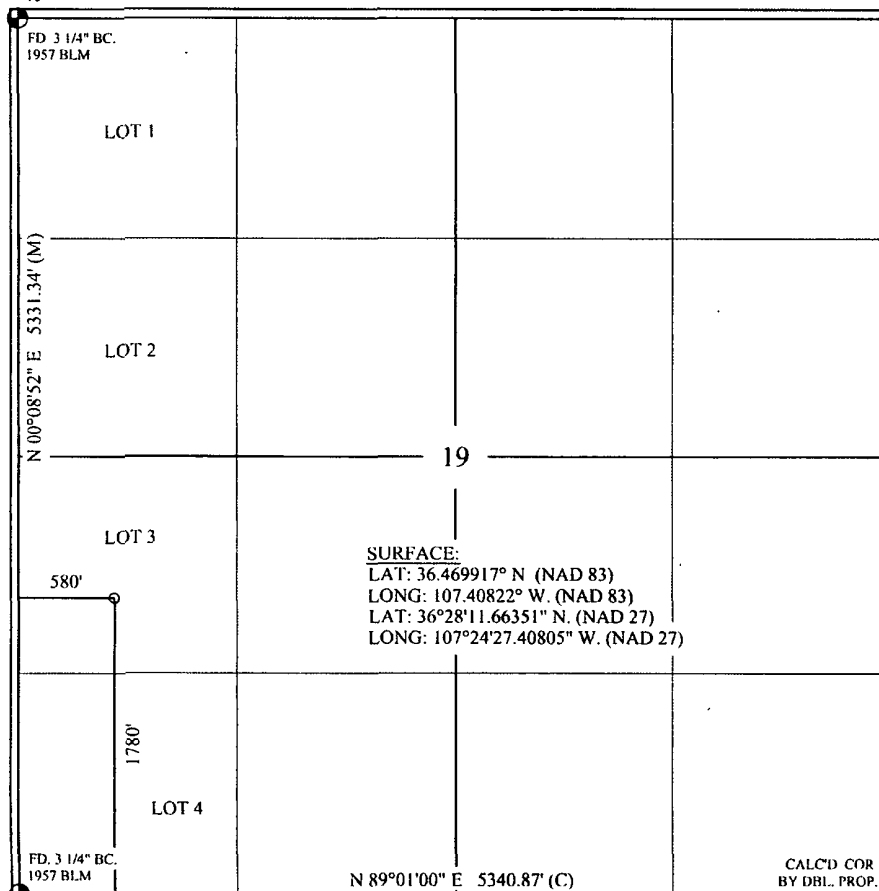
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| L | 19 | 26-N | 5-W | 3 | 1780 | SOUTH | 580 | WEST | RIO ARriba |

¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---------|----------|-------------------------------|---------|----------------------------------|------------------|-------------------------------------|----------------|--------|
| | | | | | | | | | |
| ¹² Dedicated Acres MV - W/ 319.16 DK - W/ 319.16 | | | ¹³ Joint or Infill | | ¹⁴ Consolidation Code | | ¹⁵ Order No. NSL-5428 | | |

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

16



17

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Bridget Helfrich 6-5-12
Signature Date

Bridget Helfrich

Printed Name

bhelfrich@enervest.net

E-mail Address

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.

SEPTEMBER 07, 2005

Date of Survey

Signature and Seal of Registered Professional Surveyor

[Signature]
REGISTERED PROFESSIONAL LAND SURVEYOR
NEW MEXICO
9-11
8894

Certificate Number

RECEIVED

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

ARMINGTON FIELD OFFICE
Bureau of Land Management

Form C-102

Revised July, 16, 2010

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|---|--|---|--|---|---------------------------------|
| ¹ API Number 30-039-29928 | | ² Pool Code 72319/71599 | | ³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA | |
| ⁴ Property Code 33454 | | ⁵ Property Name JICARILLA A | | | ⁶ Well Number 4M |
| ⁷ GRID No. 222374 | | ⁸ Operator Name ENERVEST OPERATING, LLC | | | ⁹ Elevation 6612' |

¹⁰ Surface Location

| | | | | | | | | | |
|--------------------|---------------|------------------|--------------|--------------|-----------------------|---------------------------|----------------------|------------------------|----------------------|
| UL or lot no. L | Section 19 | Township 26-N | Range 5-W | Lot Idn 3 | Feet from the 1780 | North/South line SOUTH | Feet from the 580 | East/West line WEST | County RIO ARriba |
|--------------------|---------------|------------------|--------------|--------------|-----------------------|---------------------------|----------------------|------------------------|----------------------|

¹¹ Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|--|---------|----------|-------------------------------|---------|----------------------------------|------------------|-------------------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| ¹² Dedicated Acres MV - W/320 319.16 DK - W/320 | | | ¹³ Joint or Infill | | ¹⁴ Consolidation Code | | ¹⁵ Order 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

16

FD. 3 1/4" BC.
1957 BLM

LOT 1

LOT 2

LOT 3

LOT 4

580'

1780'

SURFACE:
LAT: 36.469917° N. (NAD 83)
LONG: 107.40822° W. (NAD 83)
LAT: 36°28'11.66351" N. (NAD 27)
LONG: 107°24'27.40805" W. (NAD 27)

N 89°01'00"E 5340.87' (C)

FD. 3 1/4" BC.
1957 BLM

CALCD COR.
BY DBL. PROP.

17

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Bridget Helfrich 3-15-12
Signature Date

BRIDGET HELFRICH
Printed Name

bhelfrich@enervest.net
E-mail Address

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.

SEPTEMBER 2, 2005
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor

9-11
Certificate Number

EnerVest Operating, LLC

Jicarilla A # 4M

1780' FSL, 580' FWL Unit L Sec. 19, T26N R05W Rio Arriba County, NM
GL Elev: 6612'

Drilling Plan

All Lease and /or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations, BLM Onshore orders and EnerVest's approved Further Development Project Plan. The operator is fully responsible for the actions of its subcontractors. A copy of the APD and Conditions of Approval will be available to the field representatives to ensure compliance.

4.1, 4.2 ESTIMATED FORMATION TOPS (KB) and NOTABLE ZONES:

The following formation depths and proposed casing depths are used as an example only and will be furnished on a site-specific basis for each proposed well.

| <u>Formation Name</u> | <u>Depth</u> | <u>Rock Type</u> | <u>Comments</u> |
|----------------------------|--------------|------------------------|--------------------------------|
| San Jose | Surface | Sandstone | |
| Ojo Alamo | 2230' | Sandstone | Possible Gas, Water |
| Kirtland | 2575' | Shale | |
| Fruitland | 2858' | Coal, Shale, Sandstone | Possible Lost Circ, Gas, Water |
| Pictured Cliffs | 3004' | Sandstone | Possible Lost Circ, Gas, water |
| Lewis | 3124' | Shale | Sloughing Shale |
| Huerfano Bentonite | 3457' | Shale | |
| Chacra | 3897' | Siltstone | Gas, Water |
| Mesa Verde (Cliffhouse) | 4671' | Sandstone | Possible Lost Circ, Gas, Water |
| Mesa Verde (Menefee) | 4763' | Coal, Sandstone, Shale | Possible Lost Circ, Gas, Water |
| Mesa Verde (Point Lookout) | 5238' | Sandstone | Possible Lost Circ, Gas, Water |
| Mancos | 5426' | Shale | Sloughing Shale |
| Gallup | 6730' | Siltstone, Shale | Gas, Oil |
| Greenhorn | 7144' | Limestone | Gas, Oil |
| Graneros | 7204' | Shale | Gas, Oil, Water |
| Dakota (Two Wells) | 7229' | Sandstone | Gas, Oil, Water |
| Dakota (Paguete) | 7327' | Sandstone | Gas, Oil, Water |
| Dakota (Upper Cubero) | 7365' | Sandstone | Gas, Oil, Water |
| Dakota (Main Body) | 7402' | Shale, Sandstone | Gas, Oil, Water |
| Dakota (Lower Cubero) | 7451' | Shale, Sandstone | Gas, Oil, Water |
| Dakota (Burro Canyon) | 7485' | Sandstone | Gas, Water |
| Proposed Total Depth | 7480' | | |

Fresh water zones will be adequately protected by setting and cementing the surface casing.
All zones containing commercial quantities of oil or gas will be cased and cemented.

EnerVest Operating, LLC

Jicarilla A # 4M

1780' FSL, 580' FWL Unit L Sec. 19, T26N R05W Rio Arriba County, NM
GL Elev: 6612'

4.3 PRESSURE CONTROL:

Maximum expected pressure is ~1646 (.22 pressure gradient) psi. The drilling contract has not yet been awarded, thus the exact BOP and Choke Manifold model to be used is not yet known. A typical 11" 3,000 psi model is pictured in Exhibits A & B.

A remote accumulator will be used, the pressures, capacities location of the remote and manual controls will be identified at the time of the BLM supervised BOP test.

BOP equipment, accumulator, choke manifold and all accessories will meet or exceed BLM requirements as listed in Onshore Order #2 for the 3M systems. The pressure control equipment considerations include but will not be limited to:

1. Annular Preventer.
2. BOP will be a double gate ram preventer with a set of blind rams and a set of properly-sized pipe rams.
3. Accumulator will have sufficient capacity to close the BOP rams and annular preventer and retain 200 psi above pre charge.
4. Accumulator system will have 2 independent power sources to close the preventers.
5. Accumulator to have capacity of double the usable fluid volume and the fluid volume is to be maintained at manufacturer's recommendations.
6. BOP will also have manual closing handles available.
7. 2" minimum kill line and kill line valves (2).
8. Choke manifold (3" lines) with 2 adjustable chokes with valves and gauge.
9. Manually operated Kelly cocks available.
10. Safety valve and sub(s) with adequate opening for all drill strings used.
11. Fill line and flow line above the upper-most BOP rams.
12. Rotating Head installed when needed for air-drilled portion of the hole.
13. Bloop line installed when air drilling.

BOPs will be pressure tested; after initial installation, before drilling out from under all set and cemented casing strings and any time a seal is broken. The BOPs will also be pressure tested a minimum of once every 21 days by a 3rd party. Additionally, the BOPs will be operationally checked every 24 hours.

All tests and pressure tests will be recorded on IADC log.

Ram type preventors, choke manifold and related pressure control equipment will be pressure tested to the rated working pressure of 3000 psi (high) and 250 psi (low).

The casing strings will be pressure tested per BLM Onshore Order #2 for 30 min as follows:

- a. Surface casing tested to 600 psi prior to drilling out the shoe.
- b. Intermediate casing tested to 1500 psi prior to drilling out the shoe.
- c. Production casing tested to 5400 psi (0.70% of yield) prior to commencement of completion operations.

EnerVest Operating, LLC

Jicarilla A # 4M

1780' FSL, 580' FWL Unit L Sec. 19, T26N R05W Rio Arriba County, NM
GL Elev: 6612'

4.4 PROPOSED CASING PROGRAM:

The casings proposed in the following table are typical for this development area, if a different casing be required, it will be listed in the site specific APD.

| Hole/Casing Description | Hole Size | Casing OD | Weight lb/ft | Grade | Age | Connection | Top MD | Bottom MD |
|-------------------------|-----------|-----------|--------------|-------|-----|------------|--------|-----------|
| Surface | 12 1/4" | 9 5/8" | 36 | J-55 | New | ST&C | 0 | 350' |
| Intermediate | 8 3/4" | 7" | 23 | J-55 | New | LT&C | 0 | 3380' |
| Prod Casing | 6 1/4" | 4 1/2" | 11.6 | N-80 | New | LT&C | 0 | 7480' |

Surface and Intermediate casings are to be cemented to surface, production casing is to be cemented with a 200' overlap into the intermediate casing.

4.5 CASING CEMENT:

A prototypical cementing program is listed as follows, site-specific cement designs will be produced for each well as the hole conditions warrant. The cement program will be designed to meet the BLM Onshore Order #2 and NMOCD requirements.

Surface casing will be cemented to the surface.

Cement and properties; Mix and pump 158 sacks (219 cu ft) Type III cement (or equivalent) cement. Slurry density is to be 14.6 (yield = 1.39 cu ft/sx). Volume will include 100% excess. Cement is to be displaced using a top plug.

Two centralizers will be run on the shoe joint, one centralizer each on the next two joints and then one centralizer on every third joint thereafter.

The surface casing will be pressure tested to 600 psi prior to drilling out the shoe.

Intermediate casing will be cemented to surface in 2 stages, stage tool to be set at +/- 2475'. Cement will be designed to circulate to surface. Volumes will be based on 45% excess in OH.

Stage 1:

Lead cement; mix and pump 72 sacks (154 cu ft) premium lite slurry with CaCl₂, cello flake and gilsonite. Estimated slurry density is to be 12.1 (yield = 2.13 cu ft/sx).

EnerVest Operating, LLC

Jicarilla A # 4M

1780' FSL, 580' FWL Unit L Sec. 19, T26N R05W Rio Arriba County, NM
GL Elev: 6612'

Tail cement; mix and pump 31 sacks (44 cu ft) Type III cement (or equivalent) cement. Slurry density is to be 14.6 (yield = 1.39 cu ft/sx). or equivalent cement.

Stage 2:

Lead cement; mix and pump 201 sacks (429 cu ft) premium lite slurry with CaCl₂, cello flake and gilsonite. Estimated slurry density is to be 12.1 (yield = 2.13 cu ft/sx).

Tail cement; mix and pump 50 sacks (70 cu ft) Type III cement (or equivalent) cement. Slurry density is to be 14.6 (yield = 1.39 cu ft/sx). or equivalent cement.

Two centralizers will be run on the shoe joint, one centralizer on every other joint for 14 joints and then one centralizer on every third joint thereafter.

The Intermediate casing will be pressure tested to 1500 psi prior to drilling out the shoe.

Production casing will be cemented into the intermediate casing with a minimum of 200 ft overlap. Volumes based on 45% excess in OH.

A 20 bbl sweep of 10.5 ppg scavenger slurry will be pumped ahead of the cement to wet and condition the air-drilled hole.

Lead cement; mix and pump 89 sacks (189 cu ft) premium lite slurry with CaCl₂, cello flake and gilsonite. Estimated slurry density is to be 12.1 (yield = 2.13 cu ft/sx).

Tail cement; mix and pump 221 sacks (443 cu ft) premium lite high strength cement with CaCl₂, cellophane, gilsonite and fluid loss agent. Slurry density is to be 12.5 (yield = 2.01 cu ft/sx).

Two centralizers will be run on the shoe joint, one centralizer on every other joint into the intermediate casing, then every 3rd joint to surface.

The production casing will be pressure tested to 5400 psi for 30 minutes prior to commencement of completion operations.

Where cement has not been circulated to surface (or to planned depth) a CBL or temperature survey will be run to determine the TOC for that casing string. A CBL log will be run in the production casing prior to the commencement of completion operations.

Cement specifications may vary slightly due to cement and cement contractor availability.

EnerVest Operating, LLC

Jicarilla A # 4M

1780' FSL, 580' FWL Unit L Sec. 19, T26N R05W Rio Arriba County, NM
GL Elev: 6612'

4.6 MUD PROGRAM

| Depth | Type | Wt / pp | Visc | Fluid Loss |
|--------------|--------------------------------------|---------|-------|------------|
| 0-350' | FW gel/Lime Spud Mud | 8.4-9.0 | 30-40 | N/C |
| 350'-3380' | LSND/Gel sweeps, LCM as needed | 8.5-9.4 | 40-60 | 20-40 cc |
| 3380'- 7480' | Nitrogen | NA | NA | |

The well will be drilled utilizing a reserve pit. If a reserve pit cannot be permitted due to NMOCD pit rules, a closed loop system will be used. The NMOCD pit permit shall state the type of pit and specifications of the pit to be used on each specific well pad.

Viscosity, mud weight and other physical and chemical characteristics of the drilling mud will be varied as required to keep the hole clean, circulate drill cuttings, prevent caving, prevent lost circulation and maximize penetration rate.

Nitrogen will be used to drill the 6 1/4" section of the hole to reduce the hydrostatic pressure while drilling the pay zones. It is planned to drill the hole from the base of the intermediate casing to TD with an air hammer and 6 1/4" bit. An alternate plan will be in place to drill this section of the hole with mud should the hole conditions necessitate drilling this section with mud.

Sufficient mud and materials will be kept on site to maintain mud properties and meet lost circulation or mud weight requirements at all times.

Mud design may change depending on well conditions, LCM, fluid loss and viscosity will be determined by the EnerVest representative and the mud engineer on site.

4.8 CORING, TESTING, & LOGGING

No cores or drill stem tests are planned. Well logs to be run are:

350' to 3380'; GR/ Cement Bond Log, if cement is not circulated to surface.

3380' to TD; GR/Induction/Density Neutron. (Cased hole GR/Neutron will be run if the hole conditions do not allow the use of the open hole logs)

Deviation surveys will be run at 500 ft intervals and at the base of each hole section prior to setting casing.

EnerVest Operating, LLC

Jicarilla A # 4M

1780' FSL, 580' FWL Unit L Sec. 19, T26N R05W Rio Arriba County, NM
GL Elev: 6612'

4.9 ANTICIPATED PRESSURES AND TEMPERATURES:

- | | | |
|----|---|------------|
| a. | Expected bottom hole pressure: | < 1646 psi |
| b. | Anticipated abnormal pressure: | None |
| c. | Anticipated abnormal temperatures: | None |
| d. | Anticipated hazardous gas (H ₂ S): | None |

If any of the foregoing conditions are unexpectedly encountered, suitable steps will be taken to mitigate according to accepted industry best practices.

5.0 OTHER INFORMATION:

The anticipated spud date is spring 2012. The spud date will be dependent on the weather conditions, road conditions and the Conditions of Approval.

The dirt work for road and well pad construction will commence upon approval of the APD and will be dependent on weather conditions.

The well will be spud after well pad construction is complete and a suitable rig becomes available. The duration of drilling operations is expected to be from two to three weeks. The drilling rig and associated equipment will be removed and preparations will be made for the completion of the well.

Completion will start about one to two weeks after the finish of the drilling operations. A completion rig will be moved in for the completion phase. The completion phase of the well is expected to +/- two weeks. The completion phase will include; perforating, acidizing, fracture stimulation and well testing.

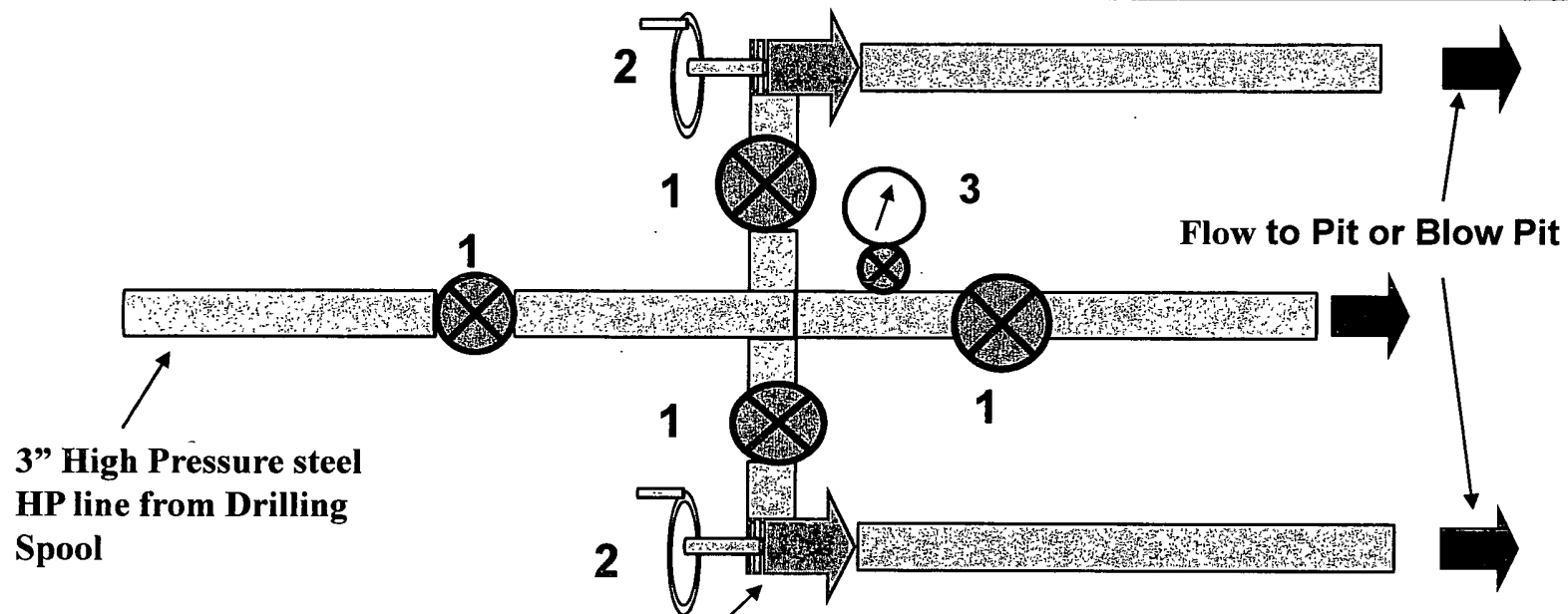
Some events/situations may arise that could potentially change the starting date or project duration that are out of EnerVest's control. If such events/situations arise, the proper officials will be promptly notified.

Exhibit B

**EnerVest
Jicarilla A # 4M
3000 psi Choke Manifold**

Components

1. 3" Valves (3M)
2. Adjustable Chokes
3. Gauge

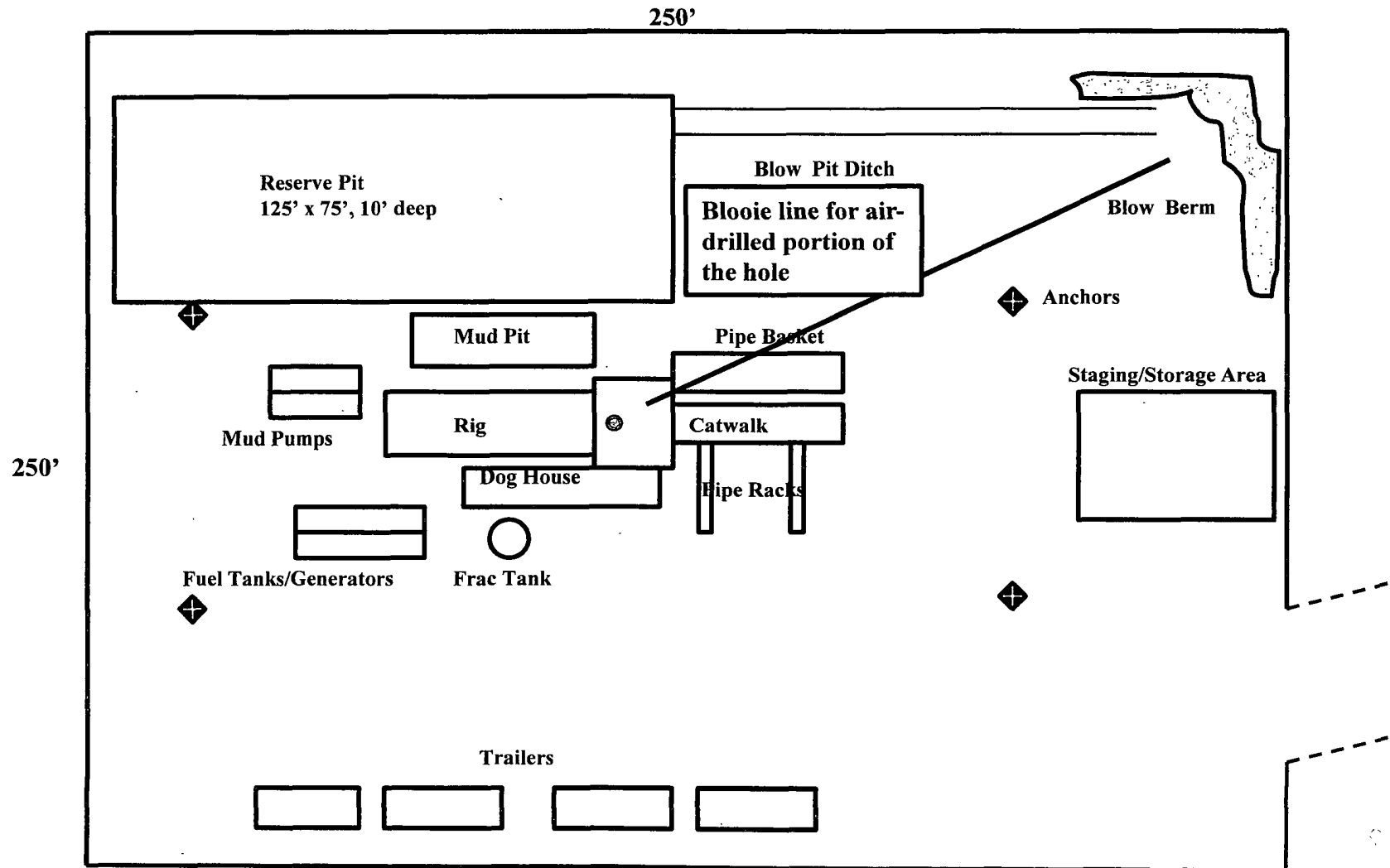


EnerVest Operating, LLC

Jicarilla A # 4M

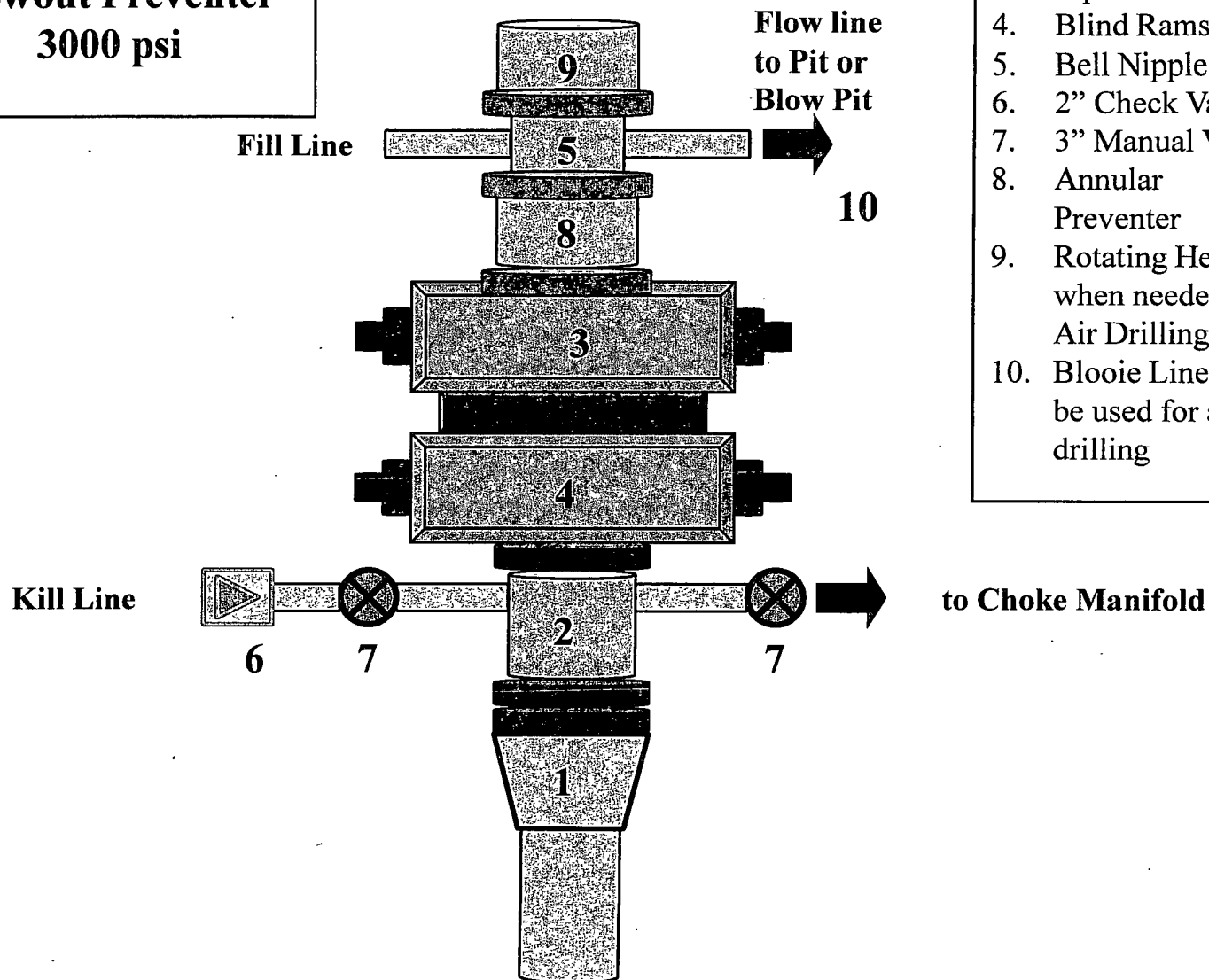
Idealized Location Diagram/ Drilling

(Fig A)



**EnerVest
Jicarilla A # 4M
Blowout Preventer
3000 psi**

Exhibit A



Components

1. Wellhead 9 5/8"
2. Drilling Spool
3. Pipe Rams
4. Blind Rams
5. Bell Nipple
6. 2" Check Valve
7. 3" Manual Valves
8. Annular Preventer
9. Rotating Head, when needed for Air Drilling
10. Bloopie Line will be used for air drilling