

Barry
N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 30 2004

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OMB No. 1004-0136
Expires November 30, 2000

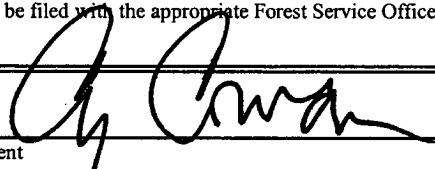
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM-81218	
b. 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	
2. Name of Operator Yates Petroleum Corporation		7. If Unit or CA Agreement, Name and No.	
3A. Address 105 South Fourth Street Artesia, New Mexico 88210		8. Lease Name and Well No. Brannigan ANF Federal #9	
3b. Phone No. (include area code) (505) 748-1471		9. API Well No. 30-015 33734	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 105' FSL and 457' FWL Sec. 31, T21S, R24E At proposed prod. Zone 660' FNL and 660' FWL Sec. 6, T22S, R24E		10. Field and Pool, or Exploratory Indian Basin Uppen Penn	
14. Distance in miles and direction from nearest town or post office* Approximately 31 miles northwest of Carlsbad, New Mexico.		11. Sec., T., R., M., or Blk. and Survey or Area Section 6, T22S-R24E BHL	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 105'		12. County or Parish Eddy County	
16. No. of Acres in lease 660.09		13. State NM	
17. Spacing Unit dedicated to this well W/2		18. Distance from proposed* location* to nearest well, drilling, completed, applied for, on this lease, ft. 1000'	
19. Proposed Depth 9900'		20. BLM/BIA Bond No. on file 585997	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3936' GL		22. Approximate date work will start* ASAP	
23. Estimated duration 45 days			

24. Attachments **CARLSBAD CONTROLLED WATER BASIN**

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

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) Cy Cowan	Date 7/21/04
Regulatory Agent Regulatory Agent		
Approved by (Signature) /s/ Joe G. Lara	Name (Printed/Typed) /s/ Joe G. Lara	Date 20 SEP 2004
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

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.

APPROVAL FOR 1 YEAR

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.

*(Instructions on reverse)

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

DISTRICT I
1633 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name Indian Basin Upper Penn
Property Code	Property Name BRANNIGAN "ANF" FEDERAL	Well Number 9
OGRID No. 025575	Operator Name YATES PETROLEUM CORPORATION	Elevation 3936

Surface Location

UL or lot No. M	Section 31	Township 21S	Range 24E	Lot Idn	Feet from the 105	North/South line SOUTH	Feet from the 457	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No. D	Section 6	Township 22S	Range 24E	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 660	East/West line WEST	County EDDY
Dedicated Acres 660.09	Joint or Infill	Consolidation Code	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

SOUTH-HALF SECTION 31		OPERATOR CERTIFICATION	
<p>N.32°25'41.7" W.104°32'45.0" N.519540.2 E.434594.2 (NAD-27)</p> <p>3889 105' 3901 457' 3935 3884 660' 660'</p> <p>SURFACE LOCATION T. 21 S.</p> <p>BOTTOM HOLE Lot 4</p> <p>NM-81218</p>		<p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Cy Cowan</i> Signature Cy Cowan Printed Name Regulatory Agent Title July 21, 2004 Date</p>	
		<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>7/15/2004 Date Surveyed</p> <p>Signature & Seal of Professional Surveyor <i>Herschel L. Jones</i> Certificate No. Herschel L. Jones RLS 3640 BRANNIGAN GENERAL SURVEYING COMPANY PROFESSIONAL LAND SURVEYOR</p>	
NORTH-HALF SECTION 6			

0 330' 660' 990' 1650' 1980' 2310' 2310' 1980' 1650' 990' 660' 330' 0'

YATES PETROLEUM CORPORATION
Brannigan ANF Federal #9
105' FSL and 457' FWL Surface Location
Section 31, T21S-R24E
660' FNL & 660' FWL Bottom Hole Location
Section 6-T22S-R24E
Eddy County, New Mexico

1. The estimated tops of geologic markers are as follows:

Yates/Seven Rivers	Surface	Lower Canyon Lime	7919'
San Andres	717'	Strawn	8297'
Glorietta	2200'	Atoka	8827'
2 nd Bone Springs	3712'	Upper Morrow	9402'
3rd Bone Springs	6617'	Mid Morrow	9442'
Wolfcamp	6717'	Lower Morrow	9617'
Cisco Canyon Dolomite	7412'	Base Morrow	9717'
Base of Dolomite	7912'	TD	9900'

2. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: 250' - 350'
Oil or Gas: All potential zones.

3. Pressure Control Equipment: BOPE will be installed on the 9 5/8" casing and rated for 5000 BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

Auxiliary Equipment:

A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.

4. THE PROPOSED CASING AND CEMENTING PROGRAM:

A. Casing Program: (All New)

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft</u>	<u>Grade</u>	<u>Coupling</u>	<u>Interval</u>	<u>Length</u>
14 3/4"	9 5/8"	36#	J-55	ST&C	0-2300	2300'
8 3/4"	7.0"	26#	L-80	LT&C	0-800'	800'
8 3/4"	7.0"	26#	J-55	LT&C	800'-2100'	1300'
8 3/4"	7.0"	23#	J-55	LT&C	2100'-4900'	1300'
8 3/4"	7.0"	26#	J-55	LT&C	4900'-7100'	2200'
8 3/4"	7.0"	26#	L-80	LT&C	7100'-9300'	2200'
8 3/4"	7.0"	26#	HCP-110	LT&C	9300'-9900'	600'

Possible set 7" early if severe lost circulation in Canyon

Yates Petroleum Corporation requests a variance to install a rotating head on the surface casing strings when intermediate casing will be set. If a BOP system is required then we wish to install a 2M system and receive a variance to test the system to 1000# using the rig pumps.

PathFinder Energy Services

Page 1

Proposal Report

Date: 7/9/2004

Time: 5:36 pm

Wellpath ID: Brannigan #9 Pre Plan

Last Revision: 7/9/2004

Calculated using the Minimum Curvature Method

Computed using PDS VER2.2.6

Vertical Section Plane: 159.89 deg.

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

Yates Petroleum Corp.
Brannigan "ANF" Fed. #9
Some Drlg. Co.
Eddy, Co. NM
Sec 31 - T21S - R24E
Brannigan #9 Pre Plan

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft) (ft)		DLS (dg/100ft)
KOP / TIE IN / START OF BUILD @ 1.50 deg/100 ft							
2900.00	0.00	0.00	2900.00	0.00	0.00 N	0.00 E	0.00
3400.00	7.50	159.89	3398.57	32.68	30.69 S	11.24 E	1.50
2nd Bone Springs							
3718.24	12.27	159.89	3712.00	87.31	81.98 S	30.02 E	1.50
END OF BUILD							
3872.06	14.58	159.89	3861.60	123.02	115.52 S	42.30 E	1.50
4372.06	14.58	159.89	4345.49	248.89	233.72 S	85.58 E	0.00
4872.06	14.58	159.89	4829.39	374.77	351.92 S	128.85 E	0.00
5372.06	14.58	159.89	5313.29	500.64	470.12 S	172.13 E	0.00
5872.06	14.58	159.89	5797.18	626.51	588.32 S	215.41 E	0.00
START OF DROP @ 1.50 deg/100 ft							
6342.98	14.58	159.89	6252.94	745.06	699.64 S	256.17 E	0.00
3rd Bone Spring Sand							
6715.03	9.00	159.89	6617.00	821.06	771.00 S	282.30 E	1.50
Wolfcamp							
6816.04	7.18	159.88	6717.00	835.27	784.35 S	287.19 E	1.80
END OF CURVE							
7165.83	0.89	159.49	7065.75	859.87	807.43 S	295.67 E	1.80
100' above Canyon Dolo. / START OF CURVE @ 1.00 deg/100 ft							
7412.11	0.89	159.49	7312.00	863.67	811.00 S	297.00 E	0.00
END OF CURVE							
7500.68	0.00	0.00	7400.56	864.36	811.64 S	297.24 E	1.00
Base of Dolomite							
8012.12	0.00	0.00	7912.00	864.36	811.64 S	297.24 E	0.00
Strawn							
8397.12	0.00	0.00	8297.00	864.36	811.64 S	297.24 E	0.00
Atoka							
8927.12	0.00	0.00	8827.00	864.36	811.64 S	297.24 E	0.00

PathFinder Energy Services

Page 2

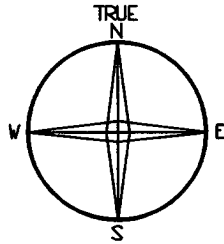
Date: 7/9/2004

Proposal Report

Wellpath ID: Brannigan #9 Pre Plan

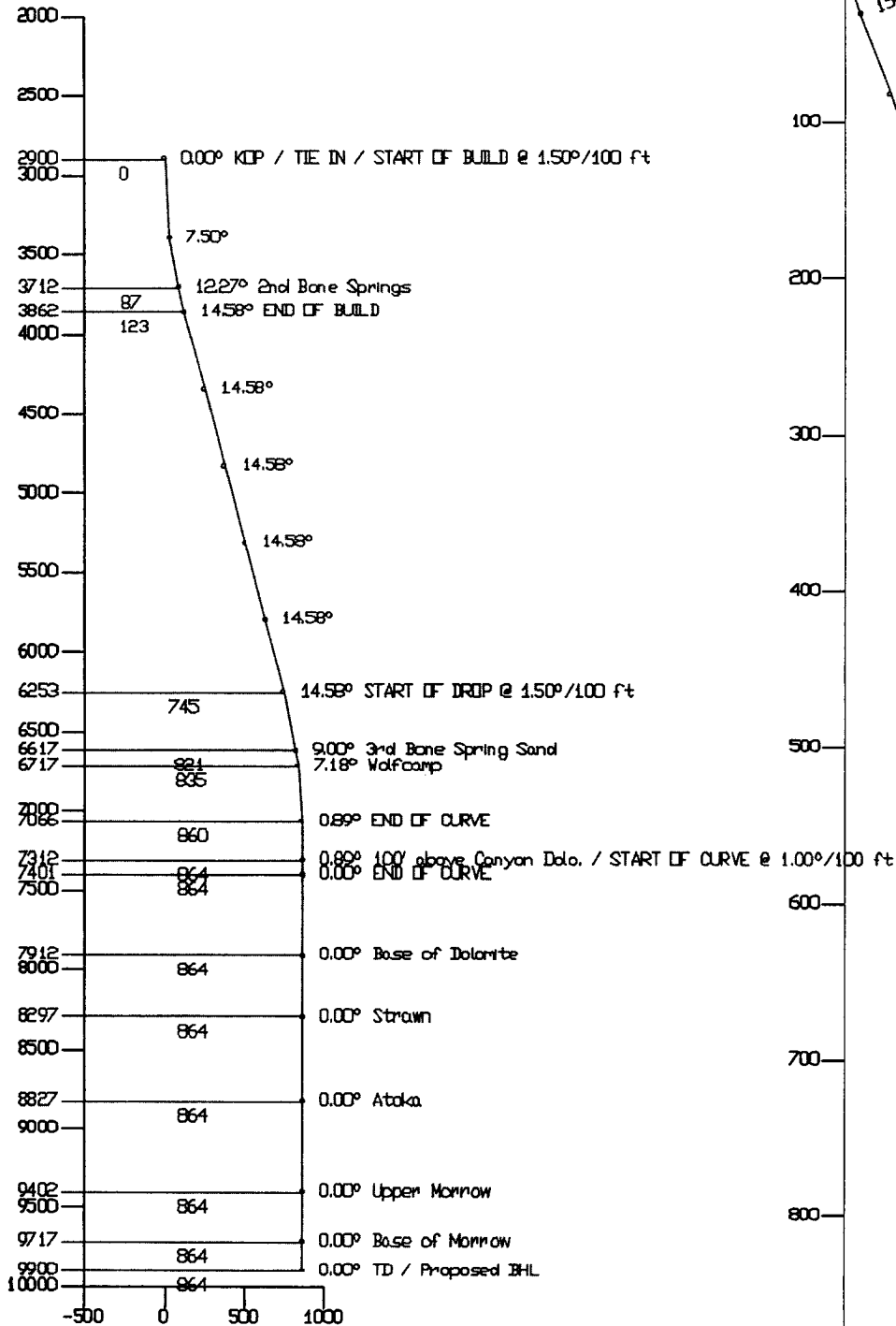
Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft) (ft)		DLS (dg/100ft)
Upper Morrow							
9502.12	0.00	0.00	9402.00	864.36	811.64 S	297.24 E	0.00
Base of Morrow							
9817.12	0.00	0.00	9717.00	864.36	811.64 S	297.24 E	0.00
TD / Proposed BHL							
10000.12	0.00	0.00	9900.00	864.36	811.64 S	297.24 E	0.00

Yates Petroleum Corp.
 Brannigan "ANF" Fed. #9
 Some Drilg. Co.
 Eddy, Co. NM
 Sec 31 - T21S - R24E
 Brannigan #9 Pre Plan

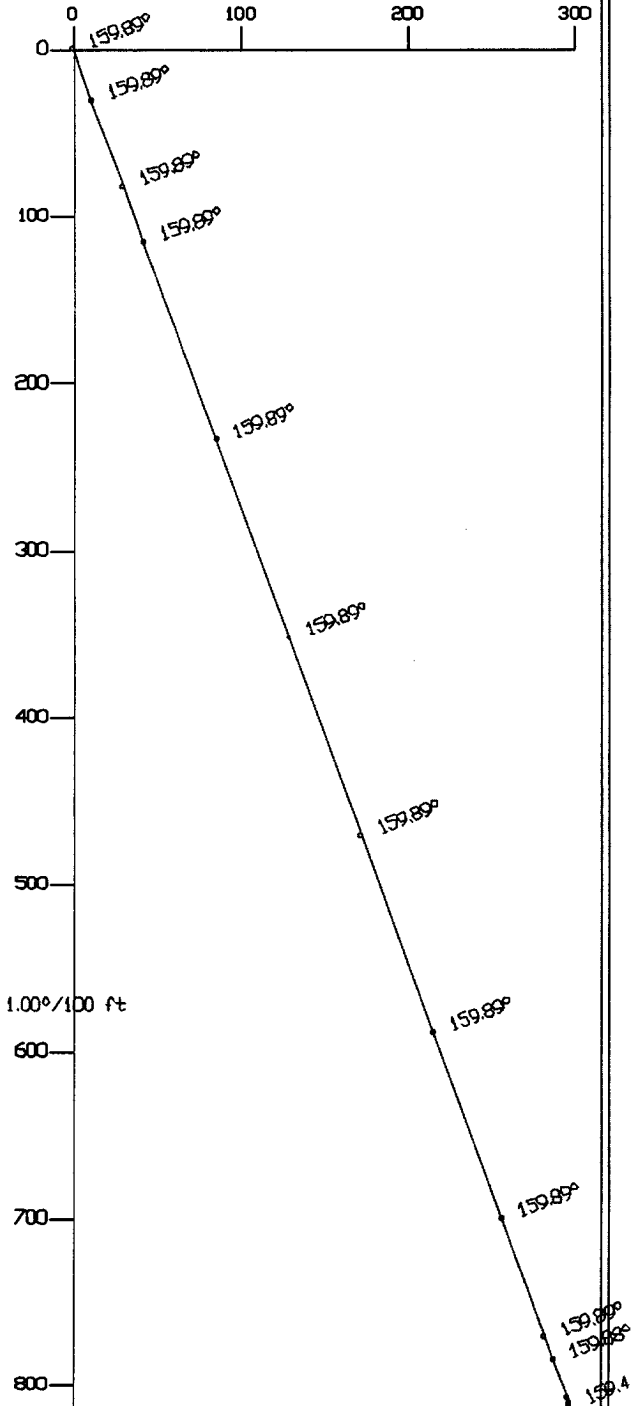


7/9/2004 5:32 pm

VERTICAL VIEW
 SCALE 500 ft. / DIVISION
 TVD REF: WELLHEAD
 VERTICAL SECTION REF: WELLHEAD



HORIZONTAL VIEW
 SCALE 100 ft. / DIVISION
 SURVEY REF: WELLHEAD



VERTICAL SECTION PLANE 159.89°

The test will be held for 30 minutes on each system component. Components to be tested include pipe rams, blind rams, and annular preventer.

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Joint Strength 1.8

B. Cementing Program:

WITNESS Surface casing: 1800 sx Lite (YLD 2.0 WT 12.5), tail with 250 sx 'C' +2% CaCL2 (YLD 1.33 WT 14.8). WITNESS

Production Casing: Stage I 350 sx 'H' (YLD 1.72 WT 13.0).

Stage II Lead in with 450 sx Interfill 'C' (YLD 2.71 WT 11.5).

If needed due to H2S tail in with 100 sx Premium (YLD 1.18 WT 15.6) Note attached contingency plan for drilling operations

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-2350'	FW/Air Mist	8.4	28	N/C
2350'-7400'	Cut Brine	8.6-9.0	28	N/C
7400'-9600'	Cut Brine/Starch/S Gel	9.0-9.4	28-32	<12cc
9600'-9900'	Salt Gel/Starch	9.4-9.8	34-38	<10cc

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

6. EVALUATION PROGRAM:

Samples: 10' samples from intermediate casing.

Logging: Platform Express, HALS, NGT, possible FMI

Coring: None anticipated

DST's: As warranted.

7. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURE AND POTENTIAL HAZARDS:

Anticipated BHP:

From: 0 TO: 2350 Anticipated Max. BHP: 1050 PSI

From: 2350' TO: 9900' Anticipated Max. BHP: 5050 PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: Possible in surface and intermediate holes.

H2S Zones Anticipated: Possible Canyon

Maximum Bottom Hole Temperature: 178 F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 30 days to drill the well with completion taking another 15 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Yates Petroleum Corporation

Brannigan ANF Federal #9

105' FSL and 457 FEL Surface location

Section 31, T21S-R24E

660' FNL & 660' FWL Bottom Hole Location

Section T22S-R24E

Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

1. EXISTING ROADS:

Exhibit A is a portion of the BLM map showing the well and roads in the vicinity of the proposed location. The proposed well site is located approximately 31 miles northwest of Carlsbad, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go north of Carlsbad on Highway 285 to Highway 137. Turn west on Highway 137 and go approximately 13 miles. Turn west on access lease road to the Brannigan ANF Federal #1 Compressor Site. Turn left just before the location and go to south side of the compressor site. The new road will start here going west along the south side of the compressor site for approximately 400 feet then will turn north along the west side of the compressor site for approx. .1 of a mile. The road will then go in a northwesterly direction for approx. .1 of a mile to the southwest corner of the proposed well location.

2. PLANNED ACCESS ROAD

The new access will go approximately .3 of a mile in a westerly then northwesterly direction to the southwest corner of the proposed well location.

3. LOCATION OF EXISTING WELL

- A. There is drilling activity within a one-mile radius of the well site.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed well site.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. There are production facilities on this lease at the present time.
- B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. It is planned to drill the proposed well with a fresh water system. The water will be obtained from commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

6. SOURCE OF CONSTRUCTION MATERIALS:

The dirt contractor will locate closest pit and will obtain any permits and materials needed for construction.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
- C. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
- D. Oil produced during operations will be stored in tanks until sold.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. All trash, junk, and other waste materials will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not approved.

8. ANCILLARY FACILITIES: None.

9. WELLSITE LAYOUT:

- A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, the location of the drilling equipment, rig orientation and access road approach.
- B. The reserve pits will be plastic lined. The reserve pits will be plastic lined. Yates Petroleum Corporation is in full compliance with the OCD General Plan for Drilling Pits approved on April 15, 2004.
- C. A 600' x 600' area has been staked and flagged.

10. PLANS FOR RESTORATION

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the well site in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any, containing fluids will be fenced until they have dried and been leveled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level after they have evaporated and dried.

11. SURFACE OWNERSHIP: Federal Surface, Administered by the Bureau of Land Management, Carlsbad, New Mexico.

12. OTHER INFORMATION:

- A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
- B. The primary surface use is for grazing.

13. OPERATOR'S REPRESENTATIVE

A. Through A.P.D. Approval:

Cy Cowan, Regulatory Agent
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210
Phone (505) 748-1471

B. Through Drilling Operations,
Completions and Production:

Pinson McWhorter, Operations Manager
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210
Phone (505) 748-1471

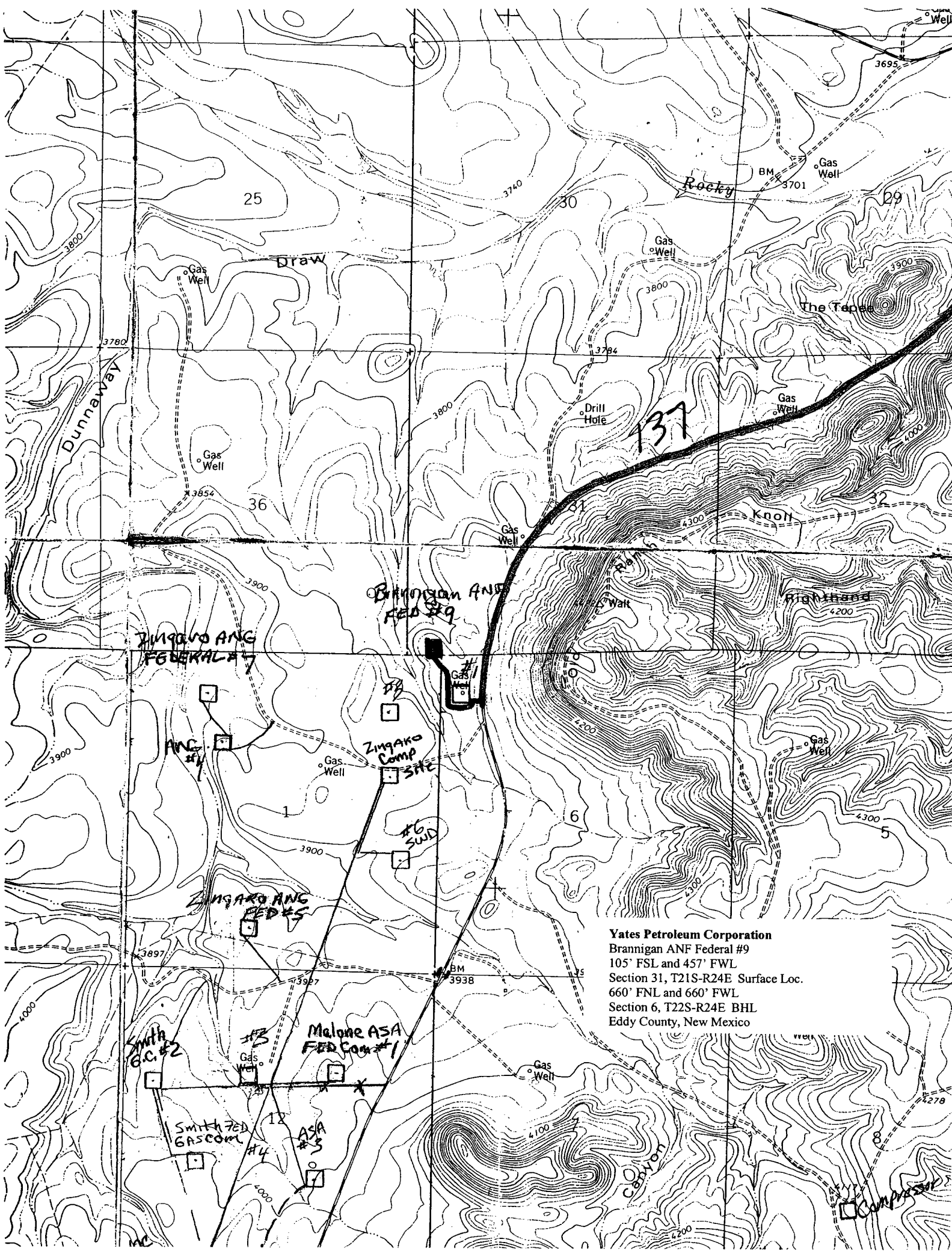
14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Yates Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

7/21/2004



Regulatory Agent



Yates Petroleum Corporation
Brannigan ANF Federal #9
105' FSL and 457' FWL
Section 31, T21S-R24E Surface Loc.
660' FNL and 660' FWL
Section 6, T22S-R24E BHL
Eddy County, New Mexico

COMPASS

This topographic map depicts a rugged, hilly area with numerous contour lines. Key features include:

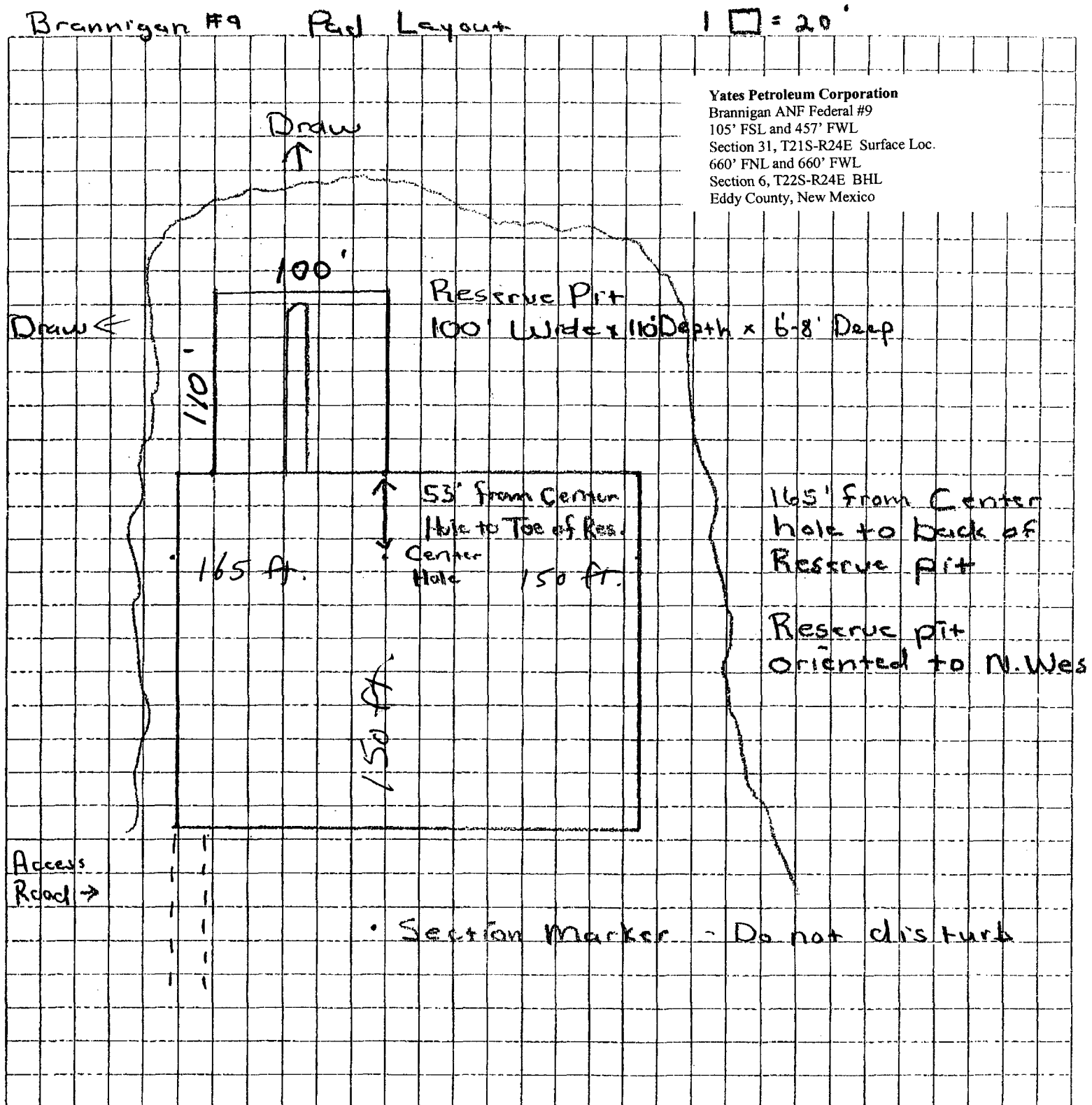
- Drill Hole:** Located in the upper center, marked with a dashed line and the number 3784.
- Gas Well:** Two locations are marked with circles and labeled "Gas Well". One is in the center-left, and the other is in the lower-left, enclosed in a dashed rectangular box.
- Ranch:** A large area in the center-right is outlined with a dashed line and labeled "Ranch".
- Walt:** A point within the ranch area is labeled "Walt".
- USA:** A point near the bottom center is labeled "USA".
- BRANNIGAN "ANF" FEDERAL #9:** A label in the lower-left corner, next to a small circular feature.
- Contour Lines:** Various elevations are marked, including 3800, 4300, 4200, and 4400.
- Section 31:** A label "31" is placed near the center of the map.

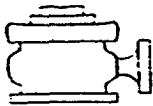
Yates Petroleum Corporation
 Brannigan ANF Federal #9
 105' FSL and 457' FWL
 Section 31, T21S-R24E Surface Loc.
 660' FNL and 660' FWL
 Section 6, T22S-R24E BHL
 Eddy County, New Mexico

GENERAL SURVEYING COMPANY, P.O. BOX 1928
LOVINGTON, NEW MEXICO 88260

HERSCHEL L. JONES R.L.S. No. 3640

YATES PETROLEUM CORPORATION
Modified Rig Layout for the
Brannigan ANF Federal #9

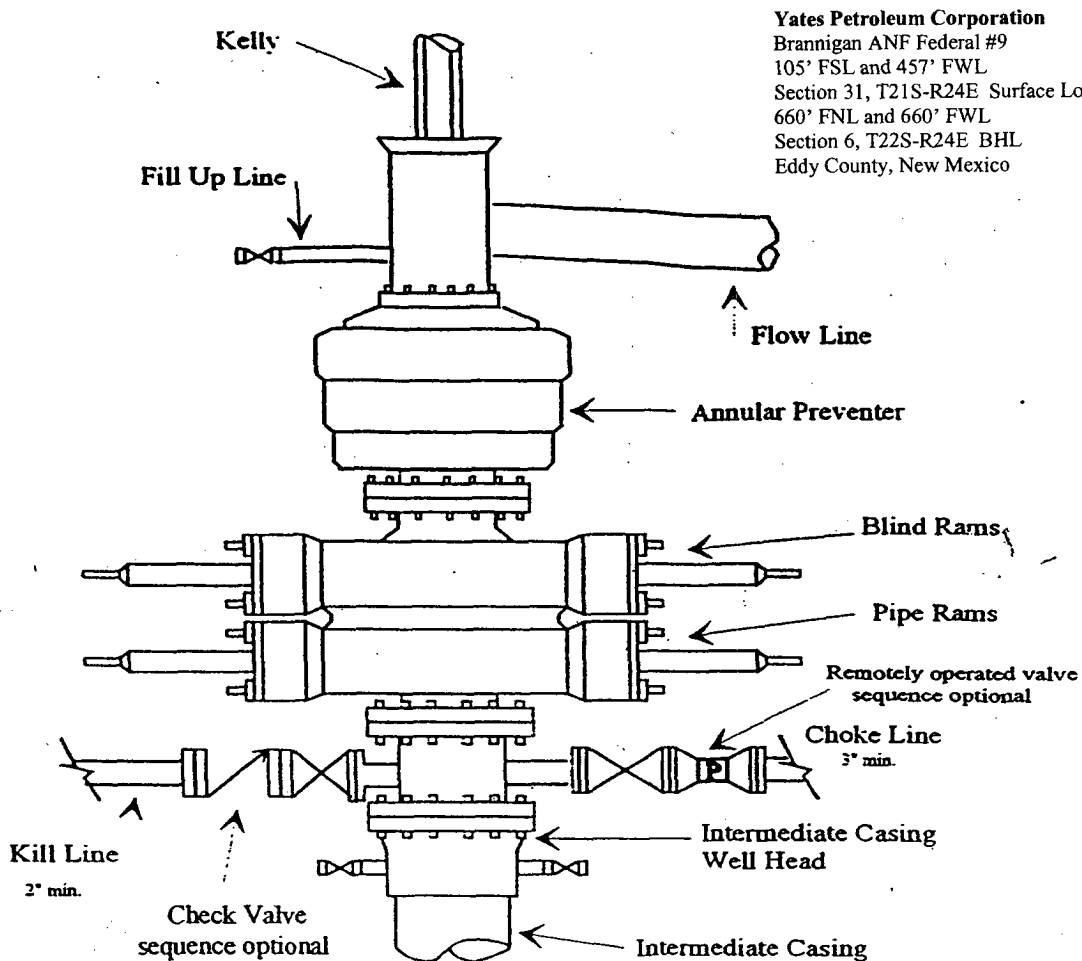




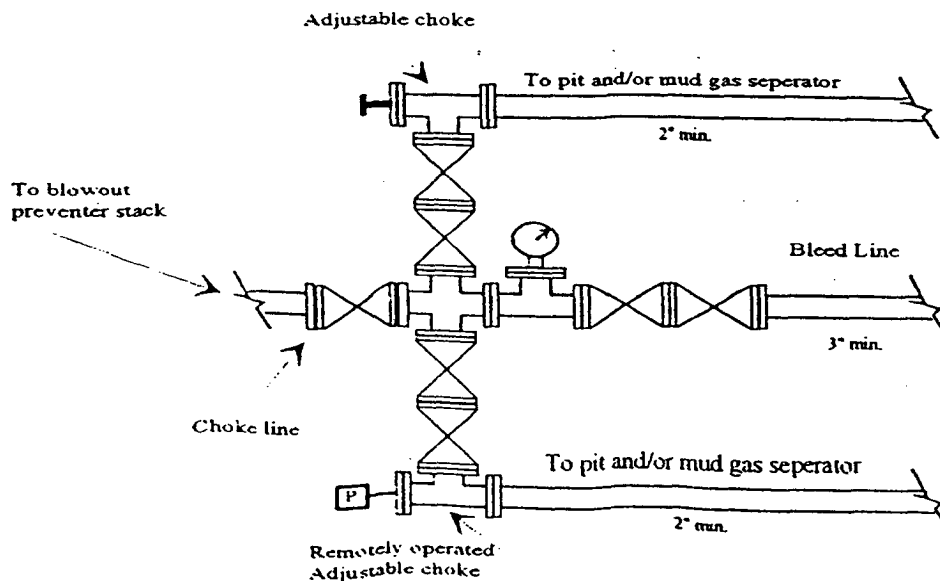
Yates Petroleum Corporation

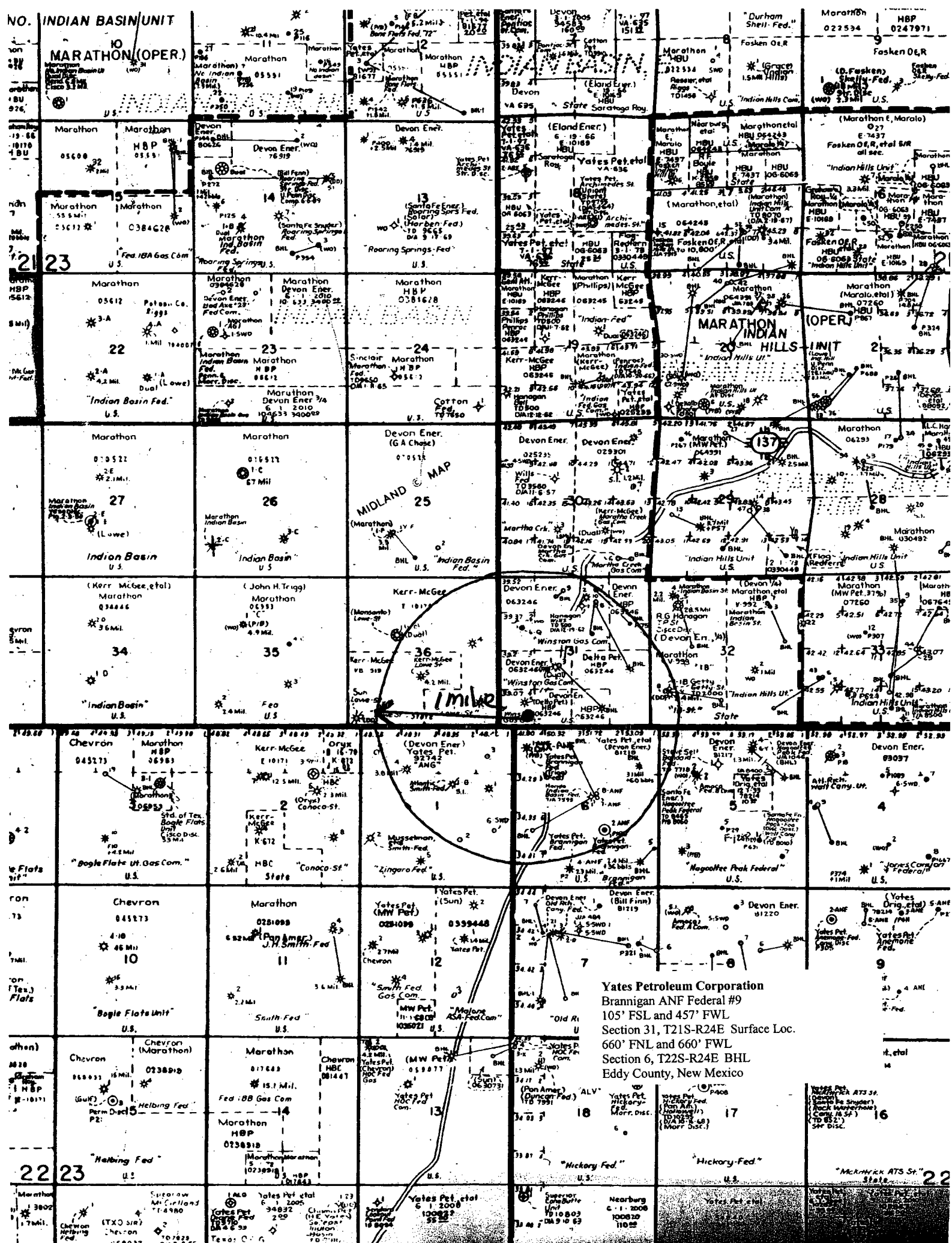
BOP-4

Typical 5,000 psi Pressure System Schematic Annular with Double Ram Preventer Stack



Typical 5,000 psi choke manifold assembly with at least these minimum features





Yates Petroleum Corporation

**105 S. Fourth Street
Artesia, NM 88210**

Hydrogen Sulfide (H₂S) Contingency Plan

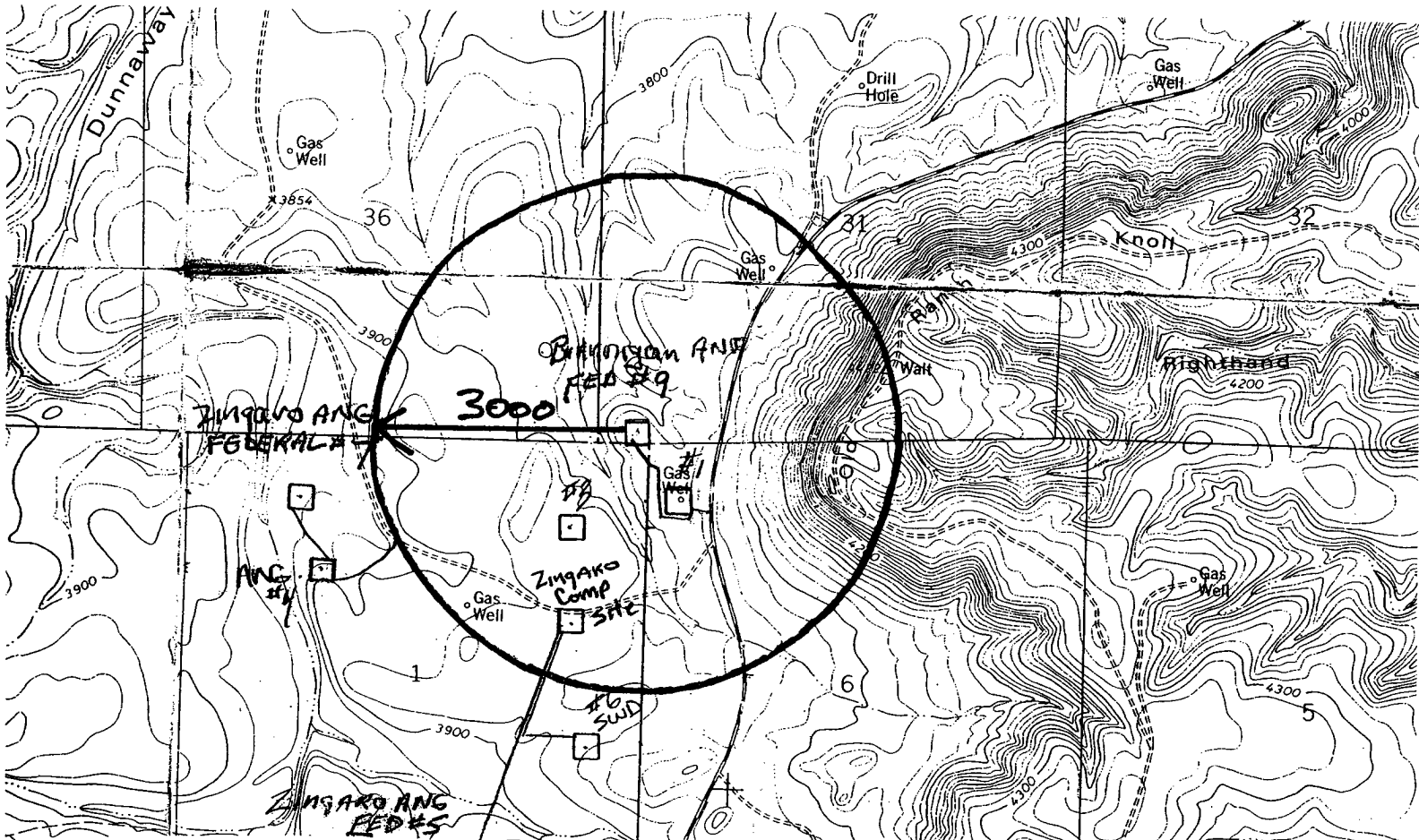
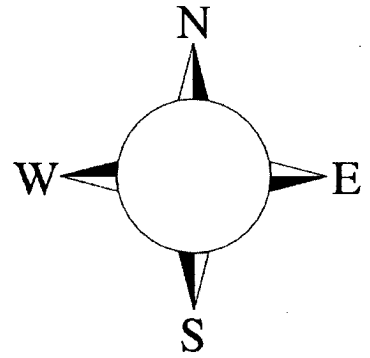
For

**Brannigan ANF Federal #9
101' FSL, 415' FWL Surface Location
Section-31, T-21S, R-24E
660' FNL and 660' FWL Bottom Hole Location
Section 6, T22S-R24E
Eddy County NM**

**RECEIVED
JUL 22 2004
OCC-ARTESIA**

Brannigan ANF Federal #9 Location

This is an open drilling site. H₂S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H₂S, including warning signs, wind indicators and H₂S monitor.



Assumed 100 ppm ROE = 3000'

100 ppm H₂S concentration shall trigger activation of this plan.

Emergency Procedures

In the case of a release of gas containing H₂S, the first responder(s) must isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

All responders must have training in the detection of H₂S, measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must be equipped with H₂S monitors and air packs in order to control the release. Use the "buddy system" to ensure no injuries during the response.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Characteristics of H₂S and SO₂

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

YPC personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. YPC Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

Yates Petroleum Corporation Phone Numbers

YPC Office (505) 748-1471
Pinson McWhorter/Operations Manager (505) 748-4189

Darrel Atkins/Production Manager	(505) 748-4204
Ron Beasley/Prod Superintendent	(505) 748-4210
Al Springer/Drilling	(505) 748-4225
Paul Hanes/Prod. Foreman/Roswell	(505) 624-2805
Jim Krogman/Drilling Superintendent.....	(505) 748-4215
Artesia Answering Service	(505) 748-4302
(During non-office hours)	

Agency Call List

Eddy County (505)

Artesia

State Police	746-2703
City Police.....	746-2703
Sheriff's Office	746-9888
Ambulance	911
Fire Department	746-2701
LEPC (Local Emergency Planning Committee)	746-2122
NMOCD.....	748-1283

Carlsbad

State Police	885-3137
City Police.....	885-2111
Sheriff's Office.....	887-7551
Ambulance	911
Fire Department	885-2111
LEPC (Local Emergency Planning Committee).....	887-3798
US Bureau of Land Management.....	887-6544

New Mexico Emergency Response Commission (Santa Fe)	(505)476-9600
24 HR	(505) 827-9126
New Mexico State Emergency Operations Center.....	(505) 476-9635
National Emergency Response Center (Washington, DC)	...(800) 424-8802

Other

Boots & Coots IWC	1-800-256-9688 or (281) 931-8884
Cudd Pressure Control.....	(915) 699-0139 or (915) 563-3356
Halliburton	(505) 746-2757
B. J. Services.....	(505) 746-3569
Aerocare -Rr 3 Box 49f, Lubbock, TX	(806) 747-8923
Med Flight Air Amb 2301 Yale Blvd SE #D3, Albuquerque, NM	(505) 842-4433
S B Air Med Svc 2505 Clark Carr Loop SE, Albuquerque, NM	(505) 842-4949
Flight For Life -4000 24th St, Lubbock, TX	(806) 743-9911
Aerocare -Rr 3 Box 49f, Lubbock, TX	(806) 747-8923
Med Flight Air Amb 2301 Yale Blvd SE #D3, Albuquerque, NM	(505) 842-4433
S B Air Med Svc 2505 Clark Carr Loop SE, Albuquerque, NM	(505) 842-4949