

New Mexico Oil Conservation Division, District I

G-19

Form 3160-3 (September 2001)

1625 N. French Drive Hobbs, NM 88240

FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

706

Form fields including: 1a. Type of Work: [X] DRILL [] REENTER; 1b. Type of Well: [X] Oil Well [] Gas Well [] Other [] Single Zone [] Multiple Zone; 2. Name of Operator: Turrentine Oil & Gas Inc.; 3a. Address: P. O. Box 11173; 3b. Phone No.: (432) 570-4038; 4. Location of Well: At surface 1980' FSL & 660' FEL; 10. Field and Pool: Sawyer Field, San Andres; 11. Sec., T., R., M., or Blk. and Survey or Area: Sec 28, T9S, R38E; 12. County or Parish: Lea; 13. State: NM; 14. Distance in miles and direction from nearest town or post office*: 30 miles Northeast of Tatum, NM; 15. Distance from proposed location to nearest property or lease line, ft.: 660'; 16. No. of Acres in lease: 1403; 17. Spacing Unit dedicated to this well: 40; 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.: 1320'; 19. Proposed Depth: 5025'; 20. BLM/BIA Bond No. on file: NM 2596; 21. Elevations: 3924'; 22. Approximate date work will start*: May 5, 2003; 23. Estimated duration: 35 Days.

24. Attachments

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.
2. A Drilling Plan.
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).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: [Signature] Name (Printed/Typed): Robert A. Price Date: 04/01/03

Title: Principal Consultant for Turrentine Oil & Gas, Inc.

Approved by (Signature): /s/ LESLIE A. THEISS Name (Printed/Typed): /s/ LESLIE A. THEISS Date: JUL 16 2003

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.

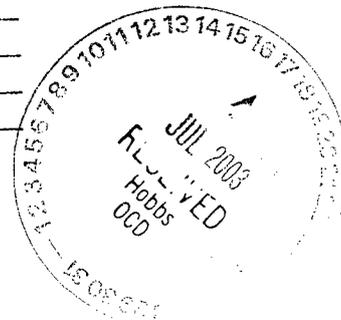
APPROVAL FOR 1 YEAR

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

OPER. OGRID NO. 158919
PROPERTY NO. 32565
POOL CODE 55480
EFF. DATE 7-18-03
API NO. 30-025-36335



[Handwritten initials]

DRILLING PLAN

TURRENTINE OIL & GAS INC.
 Great Western Federal "A", Well No. 2
 1980' FSL & 660' FEL, Sec. 28, T9S, R38E
 Lea County, New Mexico
 Lease No.: LC-063659
 (Development Well)

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Turrentine Oil & Gas Inc. submits the following drilling plan in accordance with Section 24.2.

1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
2. The estimated tops of geologic markers are as follows:

Rustler	2302'	Top of Pay	4892'
Yates	2912'	T. D.	5025'
San Andres	4182'		

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

Water: Surface water between 160'-200'.

Oil: Possible in the San Andres below 4892'.

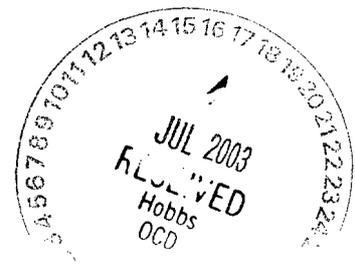
Gas: Possible in the San Andres below 4892'.

4. Proposed Casing Program:

	Hole Size	Casing Size	Weight	Approximate Setting Depth	Wait on Cement Time
Conductor Surface Protection	12 1/4 in.	8 5/8 in.	24 lbs/ft	400 ft.	18 hrs.
Production Liner	7 7/8 in.	5 1/2 in.	15.5 lbs/ft	5000 ft.	0 hrs.

5. Proposed Control Equipment:

3000 psi WP Double Ram Blow-out preventor. See attached BOP Schematic.



6. Mud Program:

Depth Interval	Type Mud	Weight	Viscosity	Water Loss (cc)-Oil
0-400 ft.	Fresh	8.3 lbs/gal.	28	N/C
0-5000 ft.	Fresh to Brine w/Oil Starch @ TD if needed	8.3 to 10.3 lbs/gal.	28-34	N/C

7. Auxiliary Equipment: Blowout Preventor, gas detector, Kelly cock, pit level monitor, flow sensors and stabbing valve.

8. Testing, Logging, and Coring Program:

Drill Stem Tests: None.

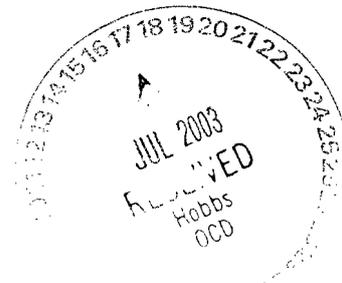
Logging: T.D. to surface casing: CNL-DLL, MicroSFL and Gamma Ray

Coring: None Planned.

9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified to increase mud weight.

10. Anticipated starting date: May 5, 2003

Anticipated completion of drilling operations: Approximately 35 days.



SURFACE USE AND OPERATIONS PLAN

TURRENTINE OIL & GAS INC.
Great Western Federal "A", Well No. 2
1980' FSL & 660' FEL, Sec. 28, T9S, R38E
Lea County, New Mexico
Lease No.: LC-063659
(Development Well)

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, to be followed in rehabilitating the surface environmental effects associated with the operations.

1. EXISTING ROADS:

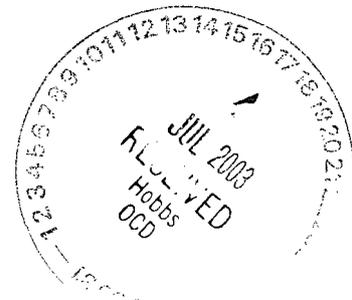
- A. Attached is a portion of a USGS Topographic Quadrangle map showing the location of the proposed well as staked. The well site location is approximately 34 road miles northeast of Tatum, New Mexico. There will be approximately 32 miles of paved highway and 2 miles of gravel oilfield road.
- B. Directions: Travel East from Tatum, NM on U. S. Highway 380 for 15 miles to Bronco, TX. Turn North on paved Texas road No. 769 for 17 miles, then turn left (West) onto a gravel oilfield road for approximately 0.9 miles. Turn North at a "y" in the road for 0.4 miles to the Gulf Fed. No. 2 well site. Turn east to the northeast corner of the proposed well site which is staked approximately 125 feet west of the existing road.

2. PLANNED ACCESS ROAD:

- A. Length and Width: The propose access road is an upgrade of an existing bladed ranch road and will be constructed to a 12 foot width (20' Max) and an approximate length of 1000 feet. No new access road is required.
- B. Construction: The proposed access road will be constructed by grading and topping with compacted caliche and will be properly drained.
- C. Turnouts: none required.
- D. Culverts: none required.
- E. Cuts and Fills: none required.
- F. Gates, Cattleguards: none required.
- G. Off Lease R/W: none required.

3. LOCATION OF EXISTING WELLS:

Existing wells within a two mile radius are shown in the attachments



4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. There are production facilities on the lease at this time.
- B. If the well proves to be commercial, the necessary production facilities and gas separation-process equipment will be installed on the drilling pad with flow lines being installed back to the existing tank battery and gas lines will be run back to existing access lines.

5. LOCATION AND TYPE OF WATER SUPPLY:

It is planned to drill the proposed well with fresh water that will be obtained from private or commercial sources and will be transported over the existing and proposed access roads.

6. SOURCE OF CONSTRUCTION MATERIALS:

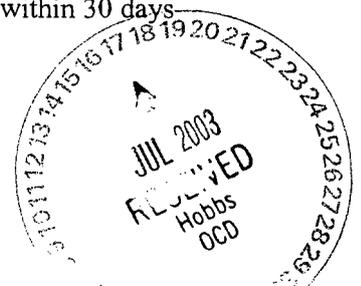
Caliche for surfacing the existing access roads and well site pad will be obtained from private surface/mineral pit in the SE ¼, SW ¼ of Section 33, T9S, R38E or from a pit across and East of the highway in Texas. The topsoil from the location will be stockpiled near the location for future rehabilitation use. No surface materials will be disturbed except those necessary for actual grading and leveling of the drill site and access road.

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 pits are dry.
- C. All pits will be fenced with normal fencing materials to prevent livestock and wildlife from entering area.
- D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or a separate disposal application will be submitted to the BLM for approval.
- E. Oil produced during operations will be stored in tanks until sold.
- F. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- G. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt, or a commercial dumpster will be used. All waste material will be contained to prevent scattering by wind.
- H. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion.

8. ANCILLARY FACILITIES:

None required.



9. WELL SITE LAYOUT:

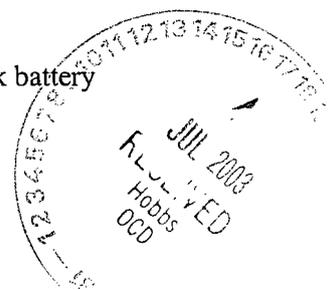
- A. The relative location and dimensions of the well pad and major rig components are shown in the attachment entitled "CapStar Drilling, Inc., Location Specifications and Rig Layout for Earth Pits." The pad and pit area has been staked and flagged, 400' X 400'.
- B. Mat Size: 180' X 140', plus 55' X 110' reserve pits and a 30' X 40' stinger.
- C. Cut & Fill: None required.
- D. The surface will be topped with compacted caliche and the reserve pits will be plastic lined.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the well site in an aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced and screened until they are filled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the surface owner and/or Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment or when dry enough to work.

11. OTHER INFORMATION:

- A. Topography: The proposed well site and access road is located in level area of the upland plains of Eastern New Mexico with an elevation of 3931'.
- B. Soil: The topsoil at the well site is a light brown loamy sand. The soils are of the Gomez complex series, mainly the Gomez loamy fine sand.
- C. Flora and Fauna: The vegetation cover is a fair to sparse grass cover of sand dropseed, grama, blue stem, and three-awn, along with plants of yucca, snake broomweed, cacti and miscellaneous weeds and wildflowers. The wildlife consists of rabbits, coyotes, rattlesnakes, lizards, dove, quail and other wildlife typical of the semi-arid desert land.
- D. Ponds and Streams: None in the immediate vicinity.
- E. Residences and other structures: There is a windmill and an oil tank battery South of the location.
- F. Land Use: Cattle grazing.



- G. Surface Ownership: The proposed well site and access road is on fee surface with Federal minerals. The surface owner is Ted Gandy, HC 70 Box 50, Crossroads, NM 88114. A copy of the landowner agreement (or offer) on surface damage and rehabilitation requirements will be submitted to BLM.
- H. There is no evidence of any archaeological, historical or cultural sites in the area. An archaeological survey will be conducted by Mesa Field Services, P. O. Box 3072, Carlsbad, NM 88221-3072, and their report will be submitted to the appropriate government agencies.

12. OPERATOR'S REPRESENTATIVE:

- A. The field representative for assuring compliance with the approved surface use and operations plan is as follows:

David Turrentine
Turrentine Oil & Gas Inc.
P. O. Box 11173
Midland, TX 79702
Office Phone: (432) 570-4038

13. CERTIFICATION:

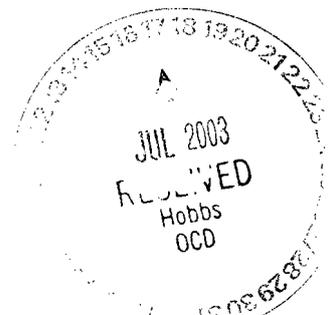
I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Turrentine Oil & Gas Inc. 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.

April 1, 2003

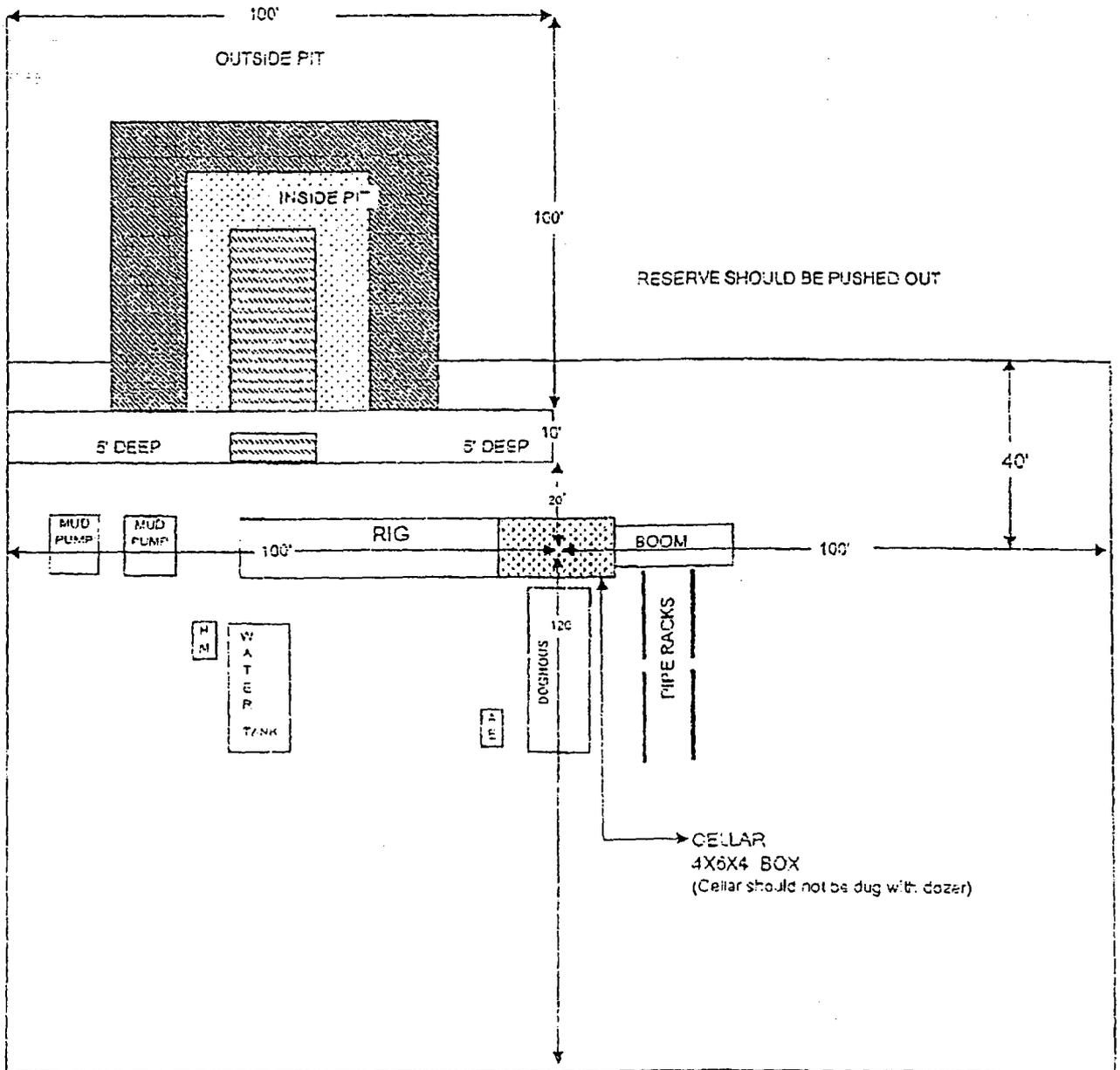


Turrentine Oil & Gas Inc.

Robert A. Price
Principal Consultant for



CapStar Drilling, Inc.
 LOCATION SPECIFICATIONS AND RIG LAYOUT
 FOR EARTH PITS



Cellar can be 4X4X4 if using a screw-on wellhead
 Working Pits dug 5' below ground level

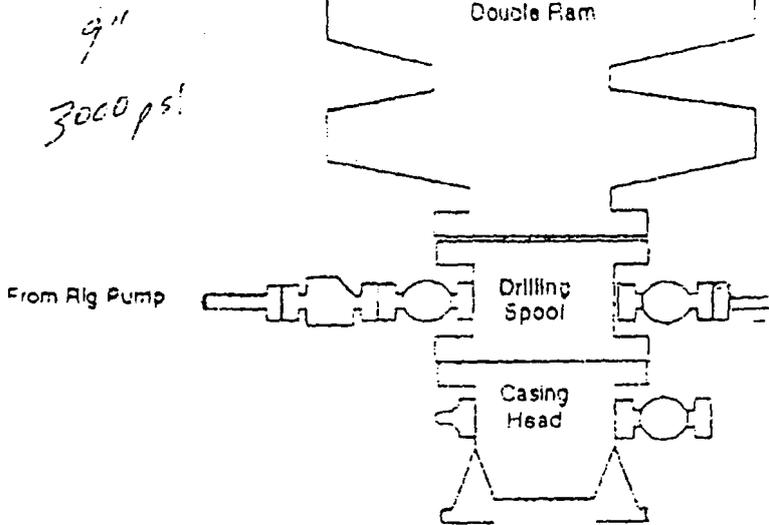
Location Specs



BOP Schematic

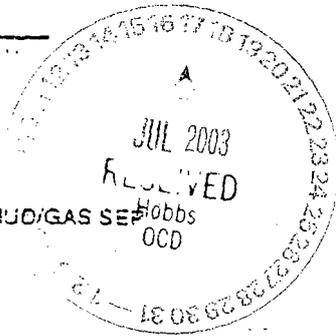
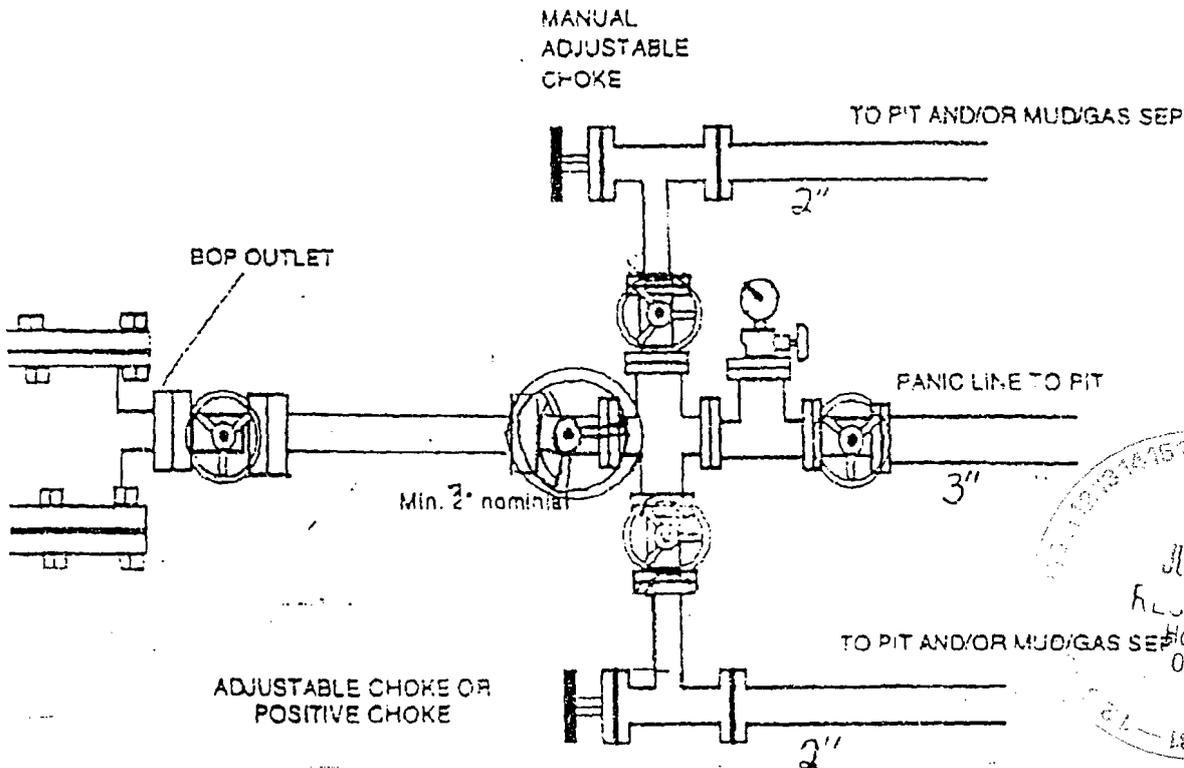
*Note: if BOP is equipped w/ side outlets below the rams, a spool is not required.

3000 psi WP Double Ram
Blow-out Preventor. Must be tested
to 1000 psi prior to drilling out
5-5/8" surface casing.



Minimum 2" nominal
to choke manifold

Choke Manifold Schematic



UNITED STATES DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-1287

Statement Accepting Responsibility for Operations

Operator Name: Turrentine Oil & Gas, Inc.
Street or Box: P. O. Box 11173
City, State: Midland, TX
Zip Code: 79701

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.: LC-063659

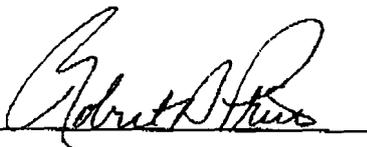
Legal Description of Land: 1980' FSL, 785' FEL, Section 28, T9S, R38E

Formation (s) (if applicable): San Andres

Bond Coverage (State if individually bonded or another's bond): Statewide

BLM Bond File No.: NM2596

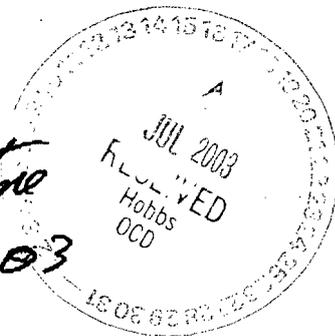
Authorized Signature:



Title: Principal Consultant

Date:

David Turrentine
Principal 7-16-03



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
TURRENTINE OIL & GAS, INC.

3a. Address
P.O. BOX 11173 MIDLAND, TX 79702

3b. Phone No. (include area code)
(432) 570-4038

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FSL & 785' FEL, SEL 28, T9S, R38E

5. Lease Serial No.
LC-063659

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
N/A

8. Well Name and No.
GREAT WESTERN FEDERAL #17 #2

9. API Well No.
30-025-36335

10. Field and Pool, or Exploratory Area
SAWYER FIELD S.A. ASSOC.

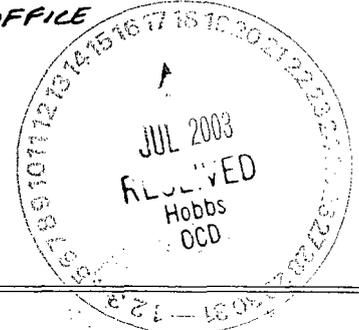
11. County or Parish, State
LEA, NM
SEC 28, T9S, R38E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

WELL LOCATION HAS BEEN MOVED 125' TO THE EAST OF THE ORIGINAL WELL LOCATION. THE ACCESS ROAD HAS ALSO BEEN RE-STAKED AT THE REQUEST OF THE CARLSBAD FIELD OFFICE



14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) **ROBERT A. PRICE** Title **PRINCIPAL CONSULTANT FOR TURRENTINE OIL & GAS, INC.**

Signature *Robert A. Price* Date **06/16/2003**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **/s/ LESLIE A. THEISS** FIELD MANAGER Date **JUL 16 2003**

Conditions of approval, if any, are attached. Approval of this notice 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.

Office **CARLSBAD FIELD OFFICE**

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.

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-025-36335	Pool Code 55480	Pool Name Sawyer San Andres (Assoc.)
Property Code 32565	Property Name GREAT WESTERN FEDERAL	Well Number 2
OGRID No. 158919	Operator Name TURRENTINE OIL & GAS, INC.	Elevation 3926'

Surface Location

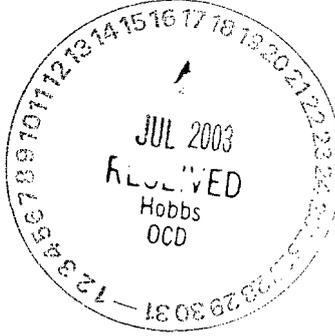
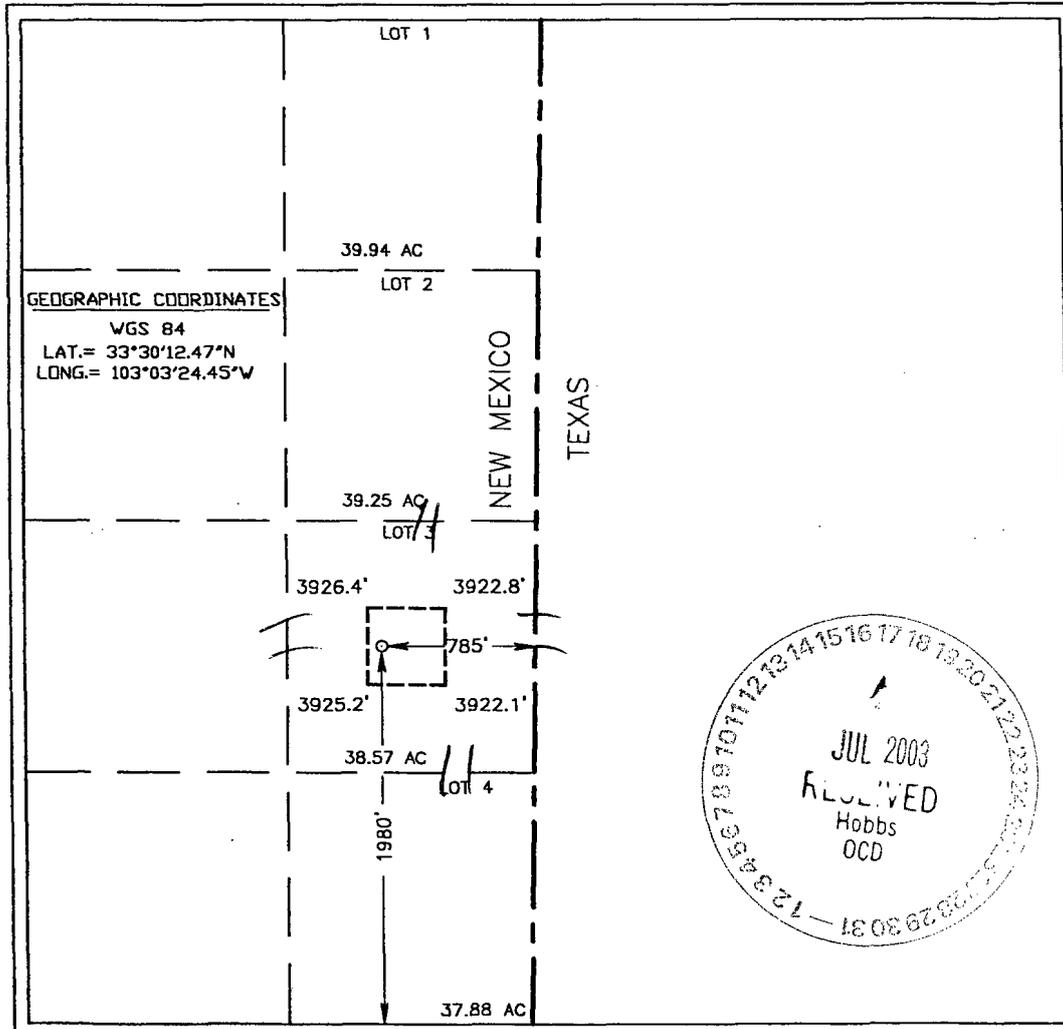
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	28	9-S	38-E		1980'	SOUTH	785'	EAST	LEA

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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



OPERATOR CERTIFICATION

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

David Turrentine
Signature
DAVID TURRENTINE
Printed Name
President
Title
6-6-03
Date

SURVEYOR CERTIFICATION

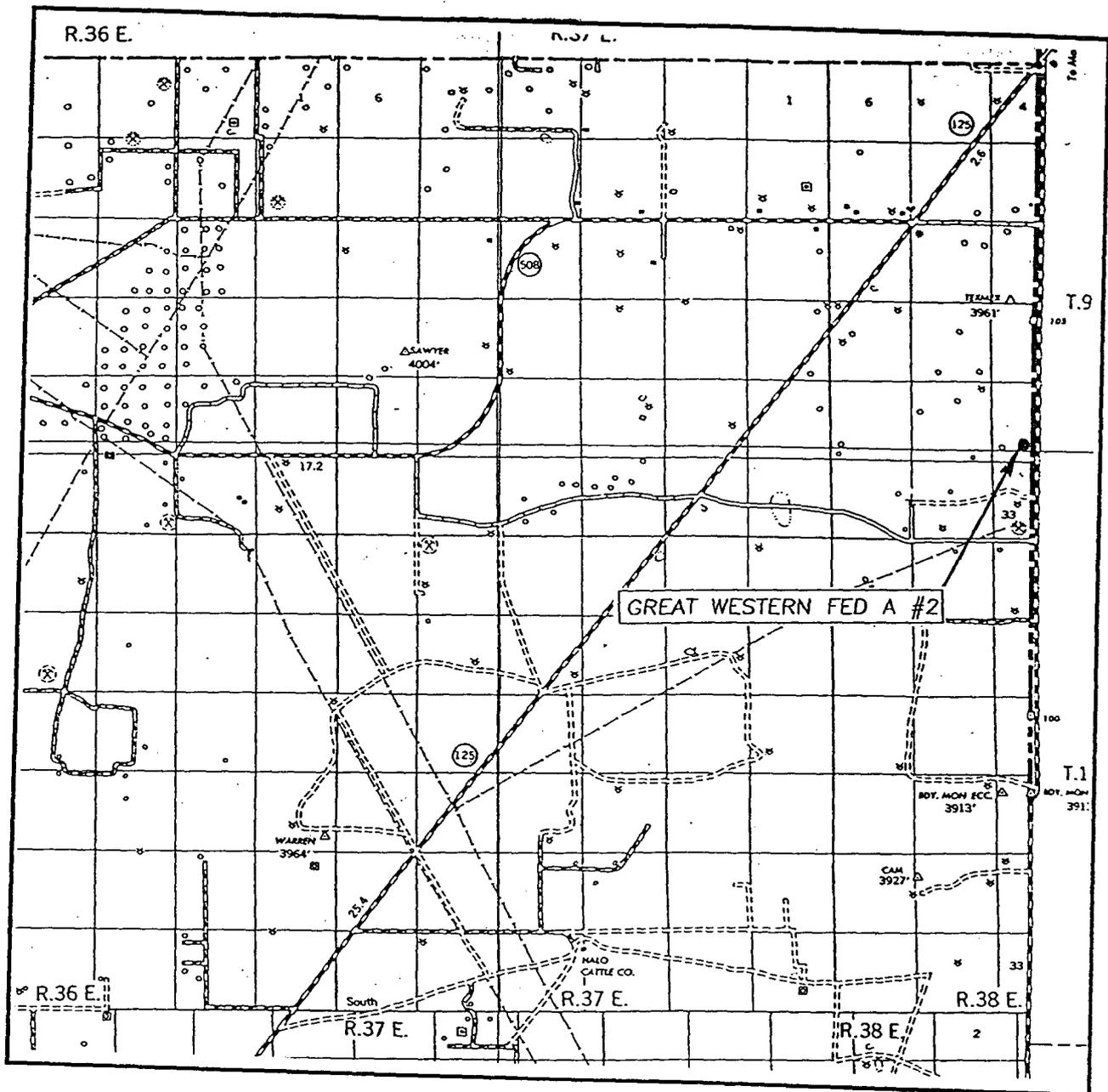
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

May 28, 2003

Date Surveyed _____ AWB
Signature & Seal of Professional Surveyor
Ronald J. Kidson 5/30/03
03.11.0550

Certificate No. **RONALD J. KIDSON 323B**
GARY KIDSON 12641

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 28 TWP. 9-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1980' FSL & 785' FEL

ELEVATION 3926'

OPERATOR TURRENTINE OIL & GAS INC.

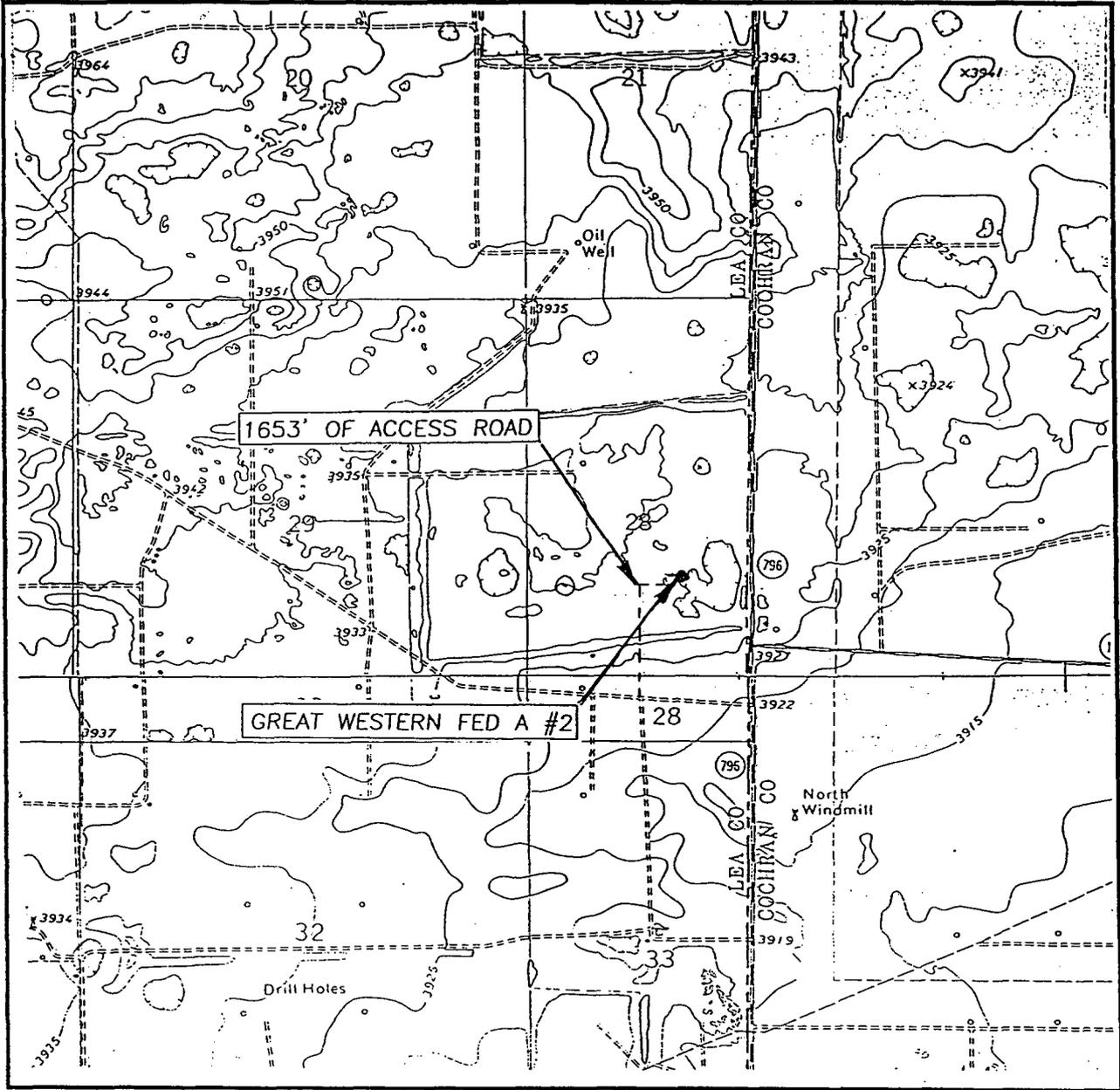
LEASE GREAT WESTERN FEDERAL #1

A

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 5'
 BRONCO NE, N.M.
 BLEDSOE, N.M.

SEC. 28 TWP. 9-S RGE. 38-E

SURVEY _____ N.M.P.M. _____

COUNTY _____ LEA _____

DESCRIPTION 1980' FSL & 785' FEL

ELEVATION 3926'

OPERATOR TURRENTINE OIL & GAS INC.

LEASE GREAT WESTERN FEDERAL

U.S.G.S. TOPOGRAPHIC MAP
 BRONCO & BLEDSOE, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

