				OPER. OGRID NC	)	3659							
•	11			PROPERTY NO		34423							
3	•				4-	1510							
	Form	3160-3		EFF. DATE	27	3/04		FORM	1 APPROV	'ED			
		il 2004)		APINO. 30-	0	35-36962		OMB	No. 1004-01 March 31,	137			
								erial No	<b>).</b>	<u> </u>			
				UREAU OF LAND MA				6. If Indian, Allot	ee or Trib	e Name			
	APPLICATION FOR PERMIT TO DF				• * · · ·								
	la. Type of work: 🗹 DRILL REENTER			ITER		7 If Unit or CA Agreement, Name and No.							
		Type of Well:	Oil Well	Gas Well Other		Single Zone Mu	ltiple Zone	8. Lease Name and PLOW BOY	7 FED #1		0		
	2.	Name of Operat		OPERATING, INC.				9. API Well No. NOT ASSIG		·025.3E	5962		
	3a.	Address P.O.	BOX 10549, MI	DLAND, TX.79702	3b.	Phone No. (include area code) 432-620-8820	· · · · · · · · · · · · · · · · · · ·	10. Field and Pool, o NADINEAA	-	•			
	4.	Location of Wel		clearly and in accordance with	any Sta	ate requirements.*)		11. Sec., T. R. M. or Bik and Survey or Area					
		At surface		EL & 2275' FSL EL & 2275' FSL		1.1T		35-T198-R2					
				nearest town or post office*		Unit J	<u> </u>	3 d 12. County or Parish		13. State			
			ST OF NADINE	, NEW MEXICO				LEA		NM			
	l P	ocation to neares property or lease	t line, ft.	2201		5. No. of acres in lease		ng Unit dedicated to this		0200-			
		Also to nearest of Distance from pro	rig. unit line, if any posed location*	/) 330'		80    40      19. Proposed Depth    20. BLM		M/BIA Bond No. on file 50		192021222	$\mathbf{X}$		
	to	to nearest well, drilling, completed.		NONE		7800' 116		15		King	22.25		
	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3593' GL		22	22. Approximate date work will start* 11/05/2004		23. Estimated duration h		2627					
						24. Attachments Les County Controlled Water Basin					282		
			4		iore Oi	il and Gas Order No.1, shall be		1			,°/		
	2 A I	Drilling Plan.	by a registered surv			Item 20 above)	the operatio	ns unless covered by a	n existing	bond on file (see			
	3. A SU	Surface Use Pla PO shall be file	n (if file location d with the appropri	is on National Forest System ate Forest Service Office).	n Land		e specific info	ormation and/or plans a	is may be r	required by the			
	25. S	ignature	AN			Name (Printed/Typed) H. SCOTT DAVIS			Date	14/2004			
	Title	AGEN	— <u>У Г</u>	·····					107	14/2004			
	Approv	ved by (Signature	)			Name (Printed/Typed)			Date				
	Title	<u>/s/ ,</u>	Joe G. L		· <u> </u>	Name (Printed/Typed) /S/ JC	be G. ]	Lara		OV 1 8 2004			
ALT	Applic	FIELD	MANAC	BER	da loa		BAD	FIELD OF	FICE	-			
1	conduc	t operations the tions of approval	reon. , if any, are attache	ed.	ius ieg	al or equitable title to those right	APPR	OVAL FOR	R 1				
	Title 18 States a	3 U.S.C. Section my false, fictitio	001 and Title 43 U us or fraudulent st	S.C. Section 1212, make it a atements or representations as	crime 1 to any	for any person knowingly and y matter within its jurisdiction.	willfully to m	ake to any department of	or agency	of the United			
חברו	*(Instr	uctions on page	2)	· •			<u> </u>			<u></u>			
CEME	DECLARED WATER BASIN CEMENT BEHIND THE 138 APPROVAL SUBJECT TO												
CASING MUST BE CIRCULATED GENERAL REQUIREMENTS AND													
	SPECIAL STIPULATIONS ATTACHED												
	DECLARED WATER BASIN												
	CEMENT BEHND THE 878							~ **					
			CA	SING MUST	3E_	CASING MUST BE CIRCULATED							

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

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

# WELL LOCATION AND ACREAGE DEDICATION PLAT

WELL DOCATION HILD HOREINGE DEDICATION I LIT						
<sup>1</sup> API Number	<sup>2</sup> Pool Code		<sup>3</sup> Pool Name			
30-025-3691	$a^{2} = \frac{47393}{47510}$	> Nadir				
<sup>4</sup> Property Code		<sup>5</sup> Property Name	Drinkara	<sup>6</sup> Well Number		
34423	PLOW	BOY FER		1		
<sup>7</sup> OGRID No.		<sup>8</sup> Operator Name		<sup>9</sup> Elevation		
3659	CAPATAZ	OPERATING COMPANY	Y	3593'		

# <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	35	19 SOUTH	38 EAST, N.M.P.M.		2275'	SOUTH	2310'	EAST	LEA

# <sup>11</sup> 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 Acre	es   <sup>13</sup> Jo	int or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No	).				
40	7								

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



,

# **State of New Mexico**

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

Revised August 15, 2000 Energy, Minerals, and Natural Resources Department Submit to Appropriate District Office **OIL CONSERVATION DIVISION** 

State Lease - 4 copies

AMENDED REPORT

Form C-102

Fee Lease - 3 copies

#### **APPLICATION FOR PERMIT TO DRILL**

#### CAPATAZ OPERATING, INC PLOW BOY FED #1 2310' FEL & 2275' FSL, 35-T19S-R38E NMPM, LEA COUNTY, NEW MEXICO

In conjunction with Form 3160-3, Application for Permit to Drill, Capataz Operating, Inc. submits the following items of pertinent information in accordance with Onshore Oil & Gas Order Nos. 1 & 2, and with all other federal and state regulations.

1. The surface formation is of Cretacious age.

Oil or Gas:

2. Estimated tops of geological markers are as follows:

Yates	2828'	Tubb	6570'
San Andres	4200'	Drinkard	6780'
	6008'		7400'
Blinebry	0000	Abo	7400

3. The estimated depths at which water, oil, or gas formations are expected to be encountered: Water: 56'

	50
San Andres**	4200'
Blinebry**	6016'
Tubb**	6780'
Drinkard**	7200'
Abo**	7600'

\*Groundwater to be protected by 13-3/8" casing set to  $\pm$ 325' w/ cement circulated to Surface and 8-5/8" casing set to  $\pm$ 1600' w/ cement circulated to surface.

\*\*Intervals potentially productive of oil and/or gas to be protected by 5 ½" production casing with cement circulated to surface.

- 4. Proposed casing program: See Form 3160-3 and Exhibit F.
- 5. Pressure Control Equipment: See Exhibit E.
- 6. Mud Program: See Exhibit G.
- 7. Testing, Logging and Coring Programs:

DST's - Possible in Drinkard

Logging - 2 man mud logging unit from 4000' to T.D.

Electric Logs - Dual Laterolog, Micro Laterolog Compensated Z-Densilog Compensated Nuetron Log Gamma Ray Log Caliper Log Spectral Gamma Log

Coring- Possible Core in Blinebry and/or Tubb.

- 8. Abnormal Pressures, Temperatures or Other Hazards: None. Estimate that BHP in potentially productive zones would not exceed 1875 psi.
- 9. Anticipated start date: On or before November 5, 2004.

# LOCATION & ELEVATION VERIFICATION MAP

.



#### EXHIBIT "B"

CAPATAZ OPERATING, INC. PLOW BOY FED #1 2310' FEL & 2275' FSL, 35-T19S-R38E, NMPM PROPOSED DRILL SITE LAYOUT



SCALE 1" = 50'



#### EXHIBIT "D"

۰ ۰

#### CAPATAZ OPERATING, INC. PLOW BOY FED #1 2310' FEL & 2275' FSL, 35-T19S-R38E, NMPM PROPOSED COMPLETED WELL SITE LAYOUT





#### EXHIBIT "E"

#### CAPATAZ OPERATING, INC. PLOW BOY FED #1 2310' FEL & 2275 FSL, 35-T19S-R38E, NMPM BLOWOUT PREVENTER

# 3000 PSI WP

#### THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. One double gate blowout preventer with lower rams for pipe and upper rams blind, all hydraulically controlled.
- B. Opening on preventers between rams to be flanged, studded or clamped and at least two inches in diameter.
- C. All connections from operating manifold to preventers to be all steel hose or tube a minimum of one inch in diameter. •
- D. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate (close, open and re-close) the preventers.
- E. All connections to and from preventers to have a pressure rating equivalent to that of the BOP's.
- F. , Manual controls to be installed before drilling cement plug.
- G. Valve to control flow through drill pipe to be located on rig floor.
- H. All chokes will be adjustable. Choke spool may be used between rams.



#### EXHIBIT "F"

#### CAPATAZ OPERATING, INC. PLOW BOY FED #1 2310' FEL & 2275' FSL 35-T19S-R38E, NMPM <u>SUMMARY DRILLING, DRILL STEM TESTS, CORING, CASING & CEMENTING PROGRAM</u>

- 1. Drill 17" hole to 325'.
- 2. Run 325' 13-3/8" 48# casing with Texas Pattern Shoe and 5 centralizers. Circulated cement to surface with 300 SX Class "C" w/ 2% CaCl.
- 3. Drill 12-1/4" hole to 1600'.
- 4. Cement 8 5/8" 24# J-55 casing with a minimum of 750 sx. 50:50 Poz:Class C w/ 2% Calcium Chloride and 2% gel, tail in w/ 225 sx Class C w/ 2% Calcium Chloride. Run an open hole fluid caliper prior to cementing to ensure above cement volumes are sufficient to circulate cement to surface. Should fluid caliper indicated additional cement is required to circulate hole the volume of the lead slurry will be increased. Run a Guide Shoe with insert float in top of shoe joint. Thread lock first two joints of casing. Centralize casing w/ 10 centralizers 1 every fourth joint beginning at top of shoe joint.
- 5. Nipple up and install BOP's. Wait on cement 18 hours and test casing to 500 psi. Drill out shoe w/ 7 7/8" bit and drill to T.D.
- 6. A fresh water mud system will be used from the surface to 1600'. Upon drilling out 8 5/8" shoe brine water will replace the fresh water system. The hole will be mudded up to a 29 -31 viscosity brine at 5800' with a water loss not to exceed 10cc. Mud loggers and an drill site geologist will evaluate drilling cuttings from 4000' to T.D. for shows and structural position. Drilling breaks, sample shows and gas increases will be monitored to determine the need to DST or core. At T.D. run open hole log suite specified on page 1 hereto.
- Run 5 ½" 17# N-80 casing to T.D. and cement with 1100 sx 35:65 Poz:Class C w/ 5% salt, 6% gel, .2% antifoamer, and .25pps celloflake. Tail in w/ 305 sx 50:50 Poz:Class C, .5% fluid loss additive, 2% gel and .2% antifoamer. Run guide shoe and float collar and 15 20 centralizers as required for casing standoff through potential pay. Use rubber plug and displace cement w/ 2% Kcl water. Cement volume may be increased based upon hole caliper.
- 8. Perforations and stimulation to be determined after casing has been run and drilling rig released.

#### EXHIBIT "G"

•

#### CAPATAZ OPERATING, INC. PLOW BOY FED #1 2310' FEL & 2275' FSL, SECTION 35-T19S-R38E, NMPM <u>DRILLING FLUID PROGRAM</u>

Surface - 1600':	Spud w/ fresh water. Native mud should be adequate to maintain 8.8 - 9.2 weight with a 32 - 36 viscosity. Add 2-3 sacks of paper every 100' while drilling red beds.
1600' - 5800':	Drill out from under surface casing with brine water. Use caustic soda for a 9.5 - 10 pH, paper for seepage and MF-55 or saltwater gel for occasional hole sweeps. Maintain 10.0 - 10.1 weight and 28 viscosity, no water loss control.
5800'- T.D.:	At 5800' mud up with starch, use caustic soda for a 9.5 - 10.0 pH. Sweep hole at T.D. 5 gals MF-55. Maintain 10.0 - 10.3 weight, 30-32 viscosity and water loss of 10 or less.

#### EXHIBIT "H"

#### CAPATAZ OPERATING, INC. PLOW BOY FED #1 2310' FEL & 2275' FSL SECTION 35, T19S-R38E, NMPM SURFACE USE PLAN

- 1. EXISTING ROADS Area Map, Exhibit "A", is a reproduction of the USGS Hobbs, S.E. and Hobbs, S.W. quadrant topographic maps. Existing and proposed roads are shown on the exhibit. All roads shall be maintained in a condition equal to that which existed prior to the start of construction.
  - A. Exhibit "A" shows the well site as staked.
  - B. From Hobbs, New Mexico proceed south on State Highway 18 to Nadine, New Mexico. Turn East on Beard Street and proceed East .6 miles to location.
- 2. PLANNED ACCESS ROADS Approximately 300 feet of new access road will be constructed. The drill site access road will approach the drilling pad from the west side of the drill site 40 acre unit.
  - A. The access road will be 12'-00" wide.
  - B. Gradient on the access road will be less than 5%.
  - C. No turn outs will be constructed.
  - D. If needed, the access road will be surfaced with 4" of caliche. This material will be obtained from a local source.
  - E. The centerline for the access road has been staked and flagged. Earthwork will be as required by field conditions.
  - F. No culverts or low water crossings will be required.
- 3. LOCATION OF EXISTING WELLS IN A ONE-MILE RADIUS.
  - A. Water wells As shown on Exhibit "C"
  - B. Disposal wells North .7 miles in SE SE of Sec. 26-19S-38E.
  - C. Drilling wells none know.
  - D. Producing wells As shown on Exhibit "C".
  - E. Abandoned wells As shown on Exhibit "C".
- 4. If the permitted well is completed as a producer Well Pad facilities will be constructed as shown on Exhibit "D".
- 5. LOCATION AND TYPE OF WATER SUPPLY Water will be purchased locally from a private source and trucked over the access road.
- SOURCE OF CONSTRUCTION MATERIALS If needed, construction materials will be obtained from the drill site's excavation or from a local source. These materials will be transported over the access road shown on Exhibit "A".
- 7. METHODS FOR HANDLING WASTE DISPOSAL
  - Α.
- 1. Drill cuttings will be disposed of in the reserve pit.
- 2. Trash, waste paper and garbage will be contained in a fenced trash trailer to prevent wind scattering and will be hauled off site and disposed of in an approved disposal facility.
- 3. Salts remaining after completion of the well will be picked up by the supplier, including broken sacks.
- 4. Sewage from trailers will be collected in plastic containers and disposed of off site in an approved waste facility. A portable chemical toilet will be provided for crews and contents disposed of in an approved waste facility.

- 5. Chemicals remaining after completion of the well will be stored in the manufacturers containers and picked up by the supplier.
- B. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough to be broken out and leveled. In the event that drilling fluids do not evaporate in a reasonable period of time they will be transported by tank truck to a state approved disposal facility.
- 8. ANCILLARY FACILITIES No camps or airstrips will be constructed.
- 9. WELL SITE LAYOUT
  - A. Exhibit "B" (scale 1" = 50') shows the proposed well site layout.
  - B. This exhibit indicates proposed location of the reserve pit and living facilities.
  - C. Steel working pits will be provided by the drilling contractor and the reserve pit will be lined with PVC or polyethylene liner of a thickness of 12 mills. The pit liner will extend a minimum of 2 feet over the reserve pit dikes where the liner will be anchored.
  - D. Upon completion as a producer the reserve pits will be broken out, leveled and seeded with BLM approved grass seed.
- 10. PLANS FOR RESTORATION OF SURFACE Rehabilitation of the location and reserve pit will start in a timely manned after all drilling operations cease. The type of reclamation will depend whether the well is a producer or a dry hole.

In either event, the reserve pit will be allowed to dry properly and fluid removed and disposed of as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. After the area has been reshaped and contoured topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be recontoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be completed as a producers, the previously noted procedures will apply to those areas which are not required for production facilities.

#### **11. OTHER INFORMATION**

- A. The topography is generally flat with vegetation of local native weeds and grass. The soils are sandy over a caliche base.
- B. The surface is in CRP Program. The surface owner is Clearwater Corporation, telephone @ (806)799-8618.
- C. An archeological study has been completed and will be hand delivered to Field Office.

### 12. OPERATORS REPRESENTATIVE -

H. Scott Davis P.O. Box 10549 Midland, Texas 79702

13. CERTIFICATION - I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge, flue and correct; and that the work associated with the operations proposed herein will be performed by Capataz Operating, Inc and its contractors/subcontractor in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 USC 1001 for the films of a false statement.

TITLE: Agent

PRINTED NAME: H. Scott Davis

DATE: 10/13/04

# **JTD RESOURCES, LLC** P. O. BOX 3422 **MIDLAND, TEXAS 79702**

OIL AND GAS INVESTMENTS

(432) 682-3712 OFFICE (432) 682-8652 FAX

October 11, 2004

Bureau of Land Management Roswell Resource Area P.O. Drawer 1857 Roswell, New Mexico 88202-1857

> T-19-S, R-38-E Re: Sections 35: NW/4 SE/4 Lea County, New Mexico

Gentlemen:

Please be advised that JTD Resources, LLC representing Capataz Operating, Inc. has an agreement with Mr. Randy Carlisle of Clearwater Corporation, 5236 80th Street, Lubbock, Texas 79424, whose telephone number is (432) 634-9721, regarding the use and occupancy of its surface in Section 35: NW/4 SE/4, T-19-S, R-38-E.

Very truly yours,

JTD RESOURCES, LLC

an M. Spanak

Dan M. Leonard, Manager

JTD ltrs/JTD to BLM Use of Surf Sec 35 Lea County

#### EXHIBIT "I" CAPATAZOPERATING, INC. PLOW BOY FED #1 2310' FEL & 2275' FSL, 35-T19S-R38E, N.M.P.M. <u>CLEARANCE REPORT</u>

Mesa Field Services has conducted the required site survey and will deliver their report directly to the BLM office for submission and attachment to this APD.

Mesa Field Service P.O. Box 3072 Carlsdbad, N.M. 88221-3072 (505)628-8885

## United States Department of the Interior

BUREAU OF LAND MANAGEMENT Roswell Resource Area P.O. Drawer 1857 Roswell, New Mexico 88202-1857

## Statement Accepting Responsibility for Operations

Operator name: Street or box: City, State : Zip code, : Capataz Operating, Inc. PO Box 10549 Midland, TX 79702

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.: NM14812

Legal Description of land: NW/4 SE/4 Sec 35-T19S-R38E LEA COUNTY, NM

Formation(s) (if applicable): Blinbry, Tubb, Drinkard, ABO

Bond Coverage: (State if individually bonded or another's bond) \$10,000 Individual Lease Bond

BLM Bond File No.: 1163

Authorized Signature:

H Scott Davis

Title: Agent

Date: 10/04/04

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fe office

Form C-144 June 1, 2004

Pit or Below-Grade Tank Registration or Closure					
Is pit or below-grade tank covered by a "general plan"? Yes No Type of action: Registration of a pit or below-grade tank Closure of a pit or below-grade tank					
	: (432)620-8820 e-mail address: capataz1@sbca				
Facility or well name:PLOW BOY FED #1A	PI #:U/L or Qtr/QtrU	VSE Sec 35 T195 R38E			
County: LEA Latitude Longitude	NAD: 1927 🗌 1983 🗍 Surface Owner F	ederal []] State []] Private <u>XX</u> Indian []]			
Pit    Type:  Drilling XX  Production  Disposal    Workover  Emergency	Below-grade tank    Volume: bbl Type of fluid:    Construction material:     Double-walled, with leak detection? Yes  If not				
inn kar sanna sana sana tara ana dan kar sanita na sana sa si si si si kar sanita sanita sa	Less than 50 feet	(20 points)			
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	50 feet or more, but less than 100 feet 100 feet or more	(10 points)XXXXX 10 ( 0 points)			
	Yes	(20 points)			
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	No	( 0 points)XXXX 0			
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)			
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)			
	1000 feet or more	( 0 points)XXXX 0			
	Ranking Score (Total Points)	10			
If this is a pit closure: (1) attach a diagram of the facility showing the pit's					
your are burying in place) onsite $\Box$ offsite $\Box$ If offsite, name of facility	(3) Attach a general d				
remediation start date and end date. (4) Groundwater encountered: No $\Box$ Y	es 🔲 If yes, show depth below ground surface	ft alle attach sample results. (5)			
Attach soil sample results and a diagram of sample locations and excavations	l.	N T B			
Additional Comments:					
		10 33 1 33 B			
and the second					
	<i>l</i> l	Care Sugar Ster Low			
·	N//	9636.96			
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelinesXX, a general permit [], or an (actioned) alternative OCD-approved plan []. Date: 10/13/04					
Printed Name/Title H. SCOTT DAVIS	Signature X MI				
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the regulations.	relieve the operator of liability should the contents of operator of its responsibility for compliance with any	the pit or tank contaminate ground water or other federal, state, or local laws and/or			
Approval: NOV 2 3 2004					
Printed Name/Title PETROLEUM ENGINEER Signature Date:					

CAPATAZ OPERATING, INC. PLOW BOY FED #1 2310' FEL & 2275' FSL, 35-T19S-R38E, NMPM PROPOSED DRILL SITE & PIT LAYOUT



SCALE 1" = 50'