

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

Form C-101  
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address DYAD PETROLEUM COMPANY 306 WEST WALL SUITE 1410 MIDLAND, TEXAS 79701		OGRIID Number 227257
Property Code 33997		API Number 30-025-02005
Property Name NEW MEXICO "BD" STATE		Well No. #6
Proposed Pool 1 VACUUM GRAYBURG SAN ANDRES		Proposed Pool 2

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	12	185	34E		822'	SOUTH	1838'	EAST	LEA

Proposed 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

Additional Well Information

Work Type Code RE-ENTRY	Well Type Code 5 - OIL	Cable/Rotary ROTARY	Lease Type Code STATE B-936	Ground Level Elevation 3992'
Multiple NO	Proposed Depth 4000'	Formation GRAYBURG	Contractor ADDBE	Spud Date 8-1-04
Depth to Groundwater 76-100'		Distance from nearest fresh water well 730'		Distance from nearest surface water NONE
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input checked="" type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48 #	319'	325	SURFACE
11"	8 5/8"	24 #	3403'	650	2200'
7 7/8"	4 1/2"	9.5 + 11.6 #	9024'	1150	4200'

20 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

MIRU ROTARY w/BDPS. DRILL OUT SURFACE PLUG & PLUGS FROM 250-447; TIE-BACK 8 5/8" @ 400'; DRILL PLUG FROM 3350'-3450'; 3900'-4017; TIE-BACK 4 1/2" @ 4017' & CEMENT. RUN TUBING & PACKER. PERF FROM APPROXIMATELY 4595-4610; 4650-65'; ACIDIZE & TEST. \*PER TEL. CONVERSATION w/ CHRIS WILLIAMS. IF UNABLE TO GET BACK INSIDE 4 1/2" CASING @ 4017' - WILL SET KICK OFF PLUG & DRILL NEW HOLE TO T.D. OF APPROXIMATELY 5000' ±.

21 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative NMOCD approved plan ☐.

OIL CONSERVATION DIVISION

Approved by:

Printed name: DERREL C. MELTON

Title:

PETROLEUM ENGINEER

Title: AGENT

Approval Date:

AUG 02 2004

Expiration Date:

E-mail Address: dcmelo@worldnet.att.net

Date: 7/23/04

Phone: 972-758-1073

Conditions of Approval Attached ☐

Permit Expires 1 Year From Approval Date Unless Drilling Underway Re-Entry

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>20005</b> <b>30-025-02005</b>		Pool Code <b>62180</b>	Pool Name <b>VACUUM GRAYBURG SAN ANDRES</b>
Property Code <b>33997</b>	Property Name <b>NEW MEXICO "130" STATE</b>		Well Number <b>#6</b>
OGRID No. <b>227257</b>	Operator Name <b>DYAD PETROLEUM COMPANY</b>		Elevation <b>3983 GE</b>

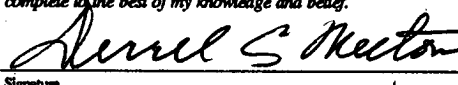
**10 Surface Location**

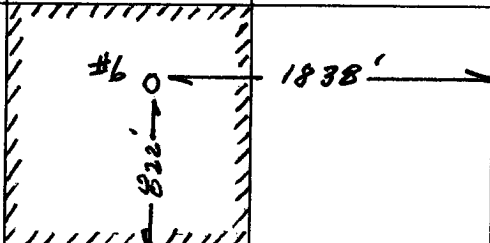
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>0</b>	<b>12</b>	<b>18S</b>	<b>34E</b>		<b>822'</b>	<b>SOUTH</b>	<b>1838'</b>	<b>EAST</b>	<b>LEA</b>

**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
Dedicated Acres <b>40</b>		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

16					<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature <b>DERREL C. MELTON</b> Printed Name <b>AGENT</b> Title and E-mail Address <b>dc.melo@worldnet.att.net</b> Date <b>7/23/04</b>
					<b>18 SURVEYOR CERTIFICATION</b> 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. <b>SEE ATTACHED</b> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number



# HUMBLE LEASE NO. 37723 NEW MEXICO OIL CONSERVATION COMMISSION

STATE LEASE NO. B-936

FEDERAL LEASE NO.

Well Location and Acreage Dedication Plat

Form C-128

Revised 5/1/57

HOBBS OFFICE OCC

Section A.

Date 11-15-62

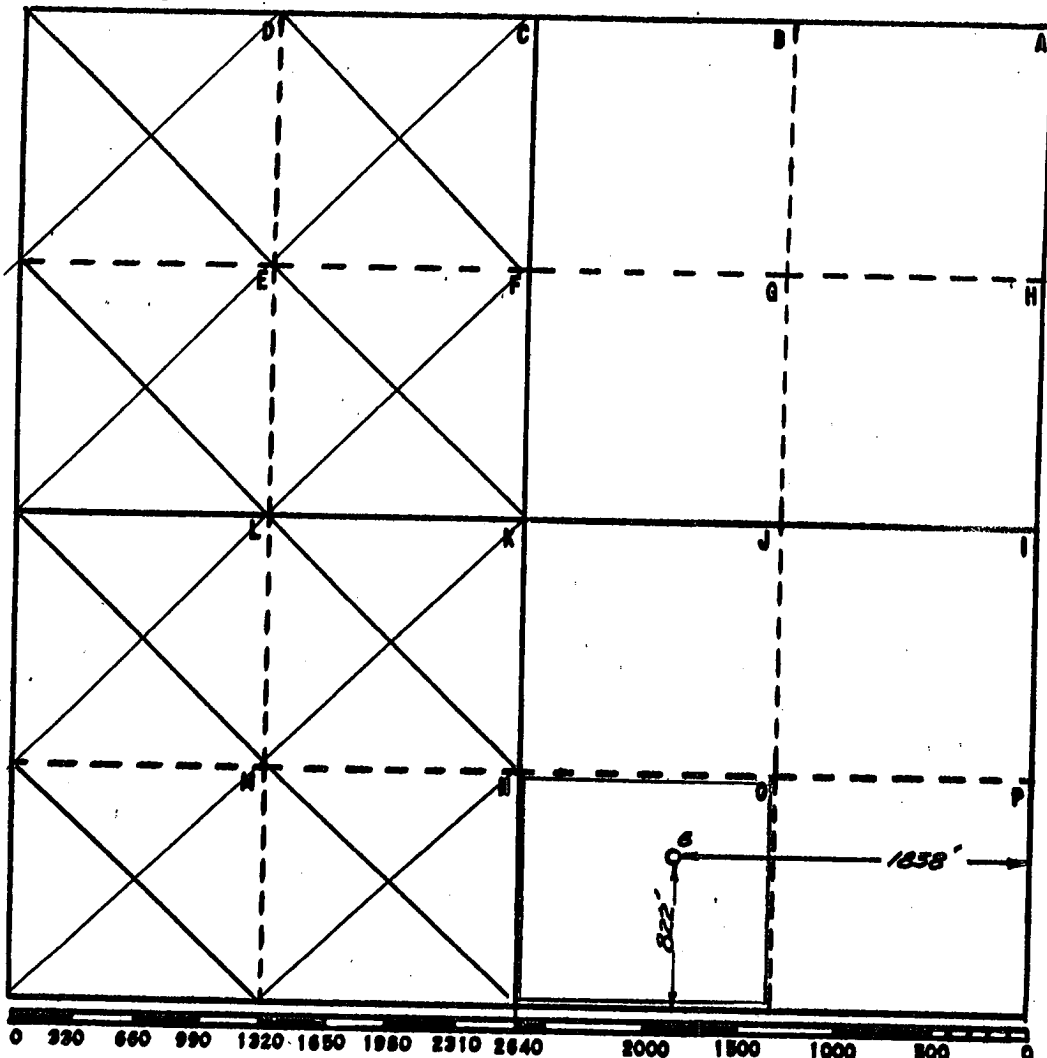
Operator Humble Oil & Refining Co. Lease New Mexico State 1962 NOV 15 AM 8:28  
Well No. 6 Unit Letter D Section 12 Township 18 South Range 34 East NMPL  
Located 822 Feet From South Line, 1838 Feet From East Line  
County Lea G. L. Elevation Later Dedicated Acreage 40 Acre  
Name of Producing Formation ABO Pool VACUUM

1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below?  
Yes ☒ No ☐
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☐ No ☐ If answer is "yes," Type of Consolidation \_\_\_\_\_
3. If the answer to question two is "no," list all the owners and thier respective interests below:

Owner

Land Description

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief

HUMBLE OIL & REFG. CO.

(Operator)

H. P. Hensley

(Representative)

Box 1600 Midland, Texas  
Address

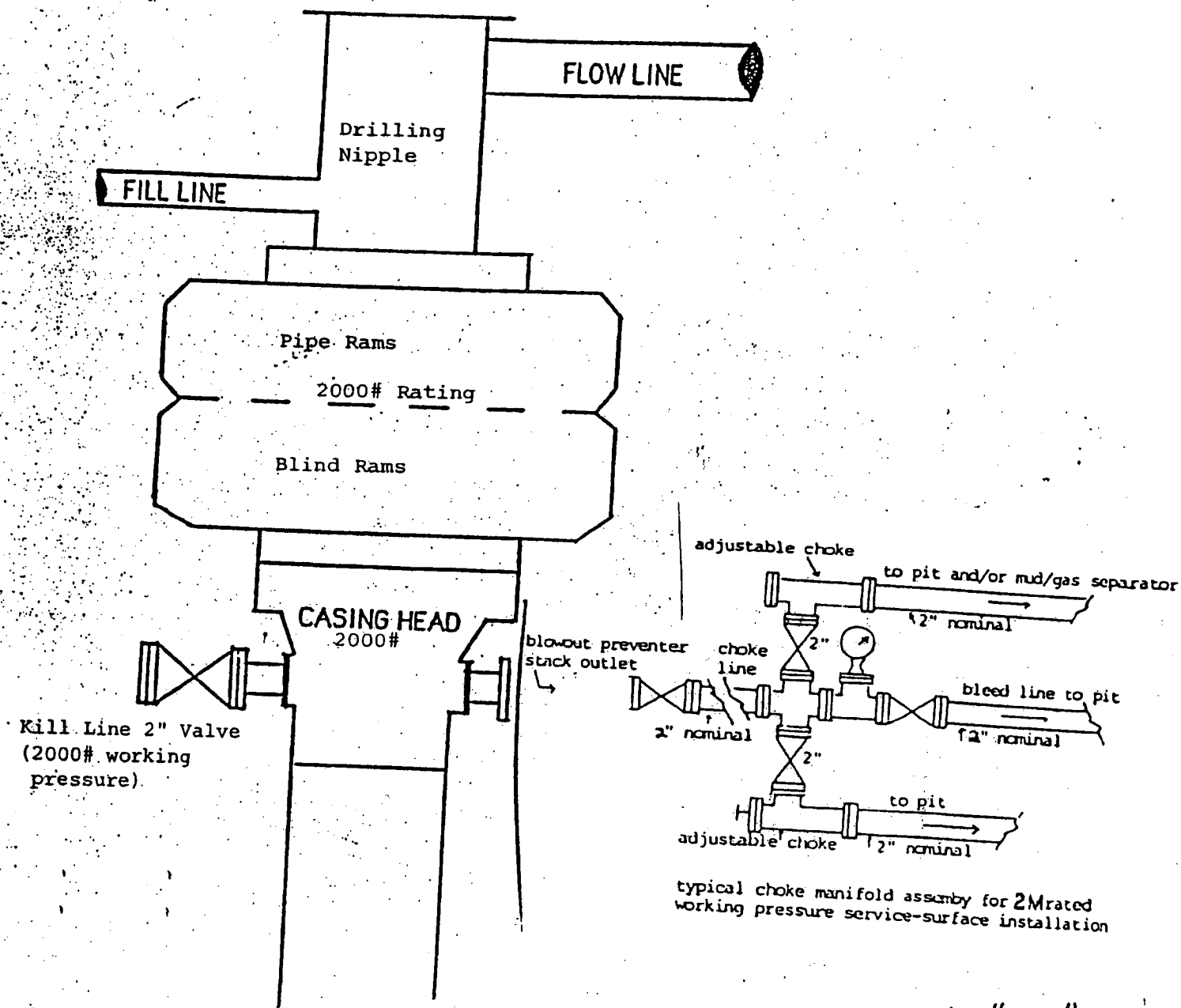
This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 11-14-62

H. S. Hunterfeld  
Registered Professional  
Engineer and/or Land Surveyor

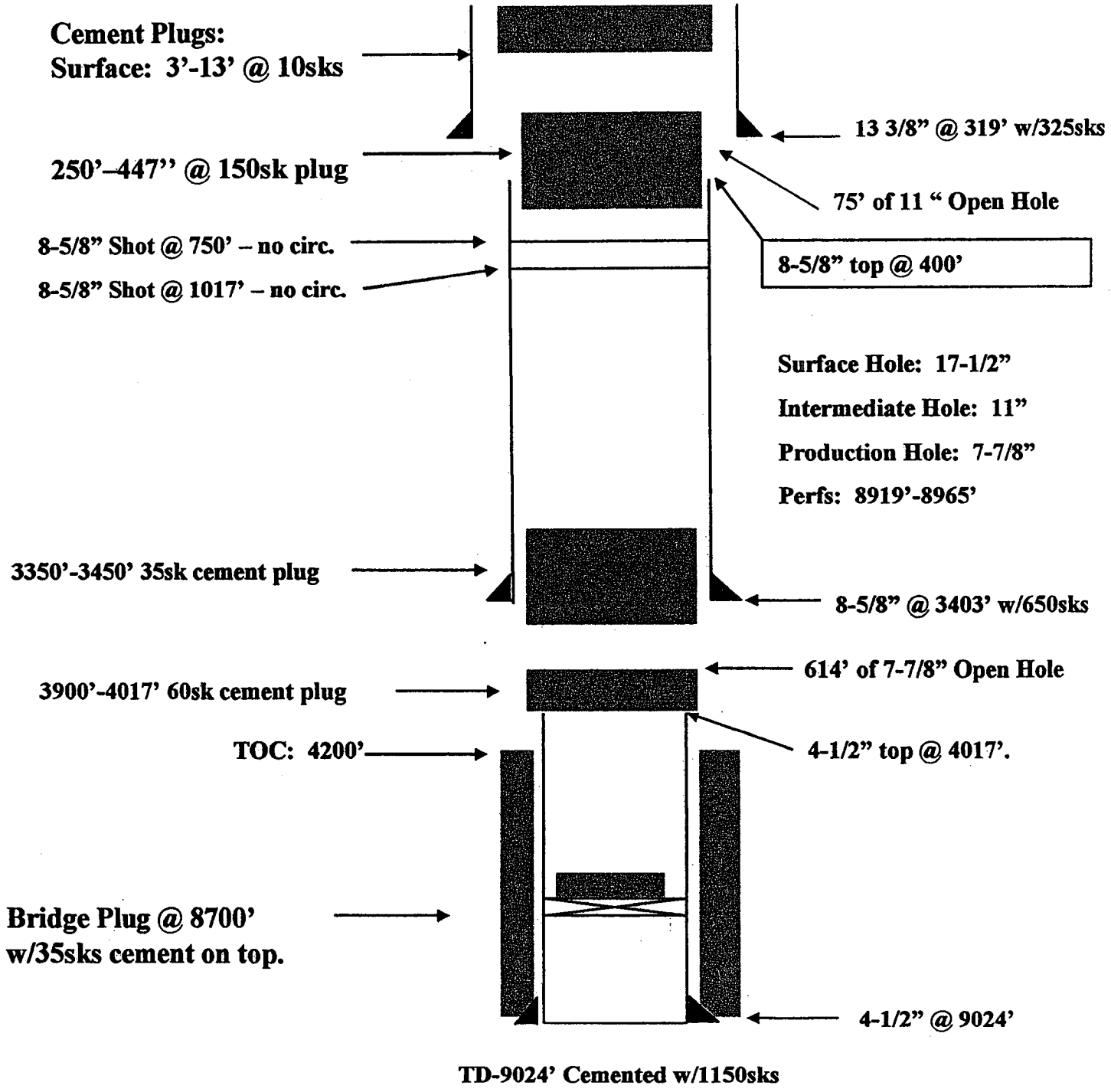
Certificate No. 15821

FILE NO. W-A-3297



DIAD - #6 NEW MEXICO BO STATE  
 SECTION 12-T185-R34E  
 LEA COUNTY, NEW MEXICO

**Dyad Petroleum Company**  
**P&A Schematic**  
**"BO" State #6, Lea Co., New Mexico**



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State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
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Form C-144  
June 1, 2004

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

**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 ☐

Operator: DYAD PETROLEUM COMPANY Telephone: 432-683-7290 mail address: mike@dyadpet.com  
Address: 306 W. WALL SUITE 1410, MIDLAND, TEXAS 79701  
Facility or well name: NEW MEXICO "BD" STATE #6 API #: 30-025-20005 U/L or Qtr/Qtr 0 Sec 12 T 18S R 34E  
County: LEA Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

<b>Pit</b> Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> <b>RE-ENTRY</b> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>600</u> bbl	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)
	<u>50 feet or more, but less than 100 feet</u>	<u>(10 points)</u>
	100 feet or more	(0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes	(20 points)
	<u>No</u>	<u>(0 points)</u>
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points)
	1000 feet or more	<u>(0 points)</u>
Ranking Score (Total Points)		<u>10</u>

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility \_\_\_\_\_. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

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 guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

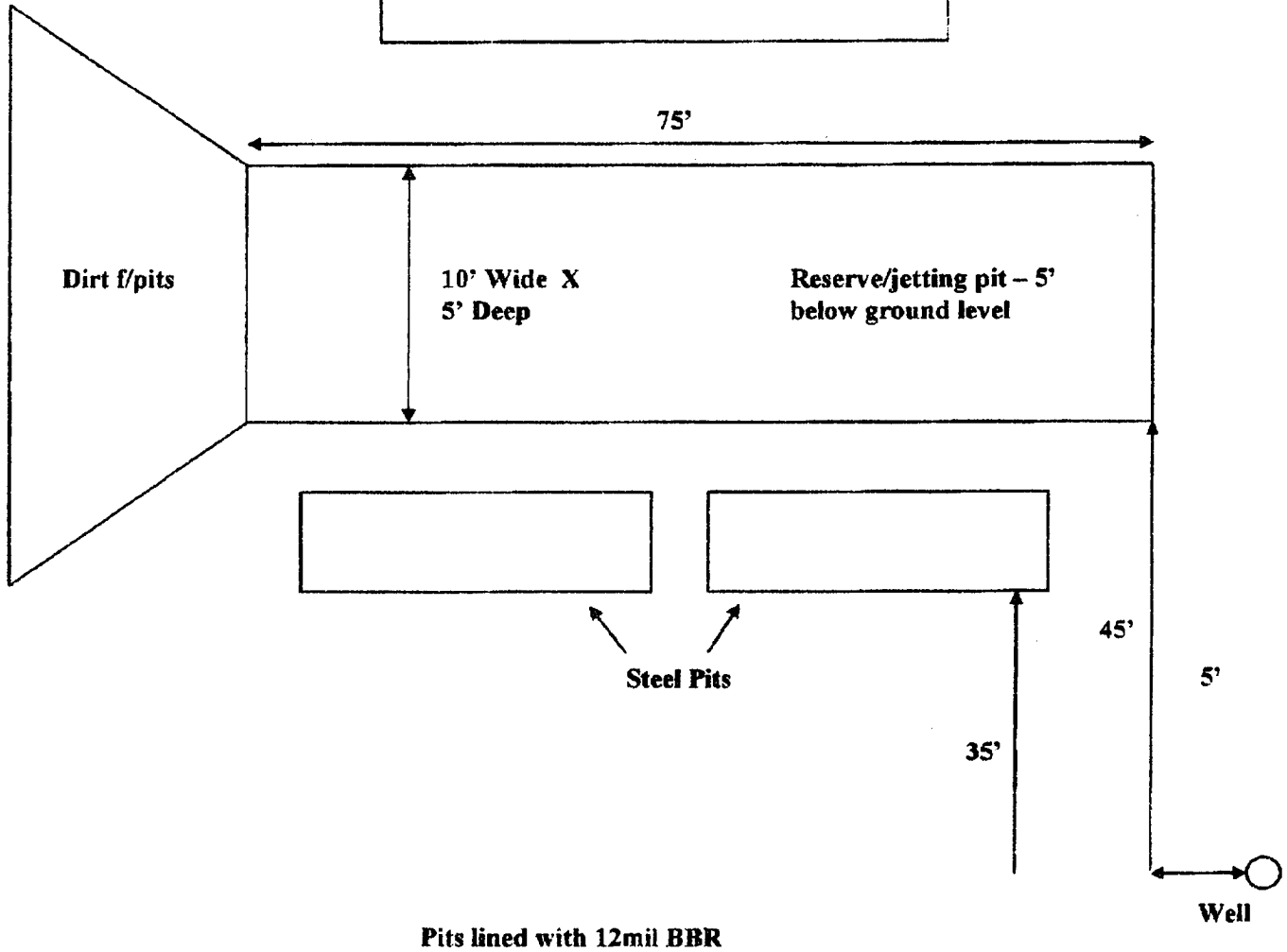
Date: 7/23/04  
Printed Name/Title: DERREL C. MELTON, AGENT Signature: Derrel C Melton

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: 8/2/04 PETROLEUM ENGINEER Signature: [Signature] Date: AUG 02 2004

# Dyad Petroleum Co.

"BO" #4 and #6  
Space Saver Reserve Pit



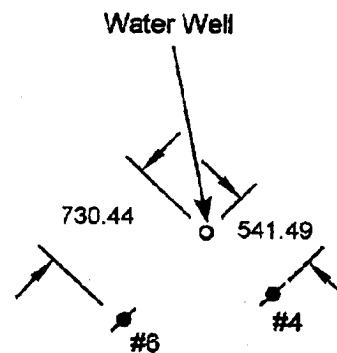
29 June 2004  
Mike Ethridge

**Dyad Petroleum Co.**  
**"BO" Re-Entry**

Well #4: 993' FSL  
990' FEL

Well #6: 822' FSL  
1838' FEL

Section 12, T18S, R34E  
Lea County, NM





*New Mexico Office of the State Engineer*  
**Well Reports and Downloads**

Township:  Range:  Sections:

NAD27 X:  Y:  Zone:  Search Radius:

County:  Basin:  Number:  Suffix:

Owner Name: (First)  (Last)  ☐ Non-Domestic ☐ Domestic ☒ All

Well / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

WATERS Menu

Help

**AVERAGE DEPTH OF WATER REPORT 05/07/2004**

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
L	18S	34E	12				4	76	100	92

Record Count: 4

*New Mexico Office of the State Engineer*  
**Well Reports and Downloads**

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**New Mexico Office of the State Engineer  
Well Reports and Downloads**

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County:  Basin:  Number:  Suffix:

Owner Name: (First)  (Last)  ☐ Non-Domestic ☐ Domestic ☒ All

Well / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

WATERS Menu

Help

**WATER COLUMN REPORT 05/07/2004**

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are biggest to smallest)

Well Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water (in fe Column
L 05139	18S	34E	12	1	2					150	95	55
L 07361	18S	34E	12	1	2					202	100	102
L 04851	18S	34E	12	2	4					155	95	60
L 05079	18S	34E	12	3	1					159	76	83

Record Count: 4