JAMES BRUCE

ATTORNEY AT LAW

POST OFFICE BOX 1056 SANTA FE, NEW MEXICO 87504

SUITE B 612 OLD SANTA FE TRAIL SANTA FE, NEW MEXICO 87501

(505) 982-2043 (505) 982-2151 (FAX)

August 11, 1998



Hand Delivered

Michael E. Stogner Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Administrative application of Ocean Energy, Inc. ("Ocean") for approval of an unorthodox oil well location:

Townsend St. Well No. 5 330 feet FSL & 1520 feet FEL S½SE¼ §2, Township 16 South, Range 35 East, NMPM Lea County, New Mexico

Dear Mr. Stogner:

This letter is in response to your letter of July 20, 1998, asking for additional information.

First, the "undesirable topographic condition" for Well No. 4 was a caliche pit at the original location 400 feet FSL and 1500 feet FEL. The pit is shown on the attached Exhibit A. Due to the pit, the rig could not be properly located, and the location for Well No. 4 was moved slightly. An examination of the surface shows that Well No. 5 will not be affected by the pit, and will allow the rig to be properly placed.

Second, the main downhole problem in Well No. 4 was lost circulation in the Wolfcamp formation. Several unsuccessful attempts were made to plug off this interval, and ultimately the interval was drilled dry. The plan for Well No. 5 will be to drill dry to 100 feet above the Strawn, and run casing to cover the Wolfcamp. In addition, there was a problem with parted casing, either from a bad joint of casing or use of an external casing

 $^{^{1}{}m The}$ Wolfcamp formation in this area is depleted. No damage was caused to the Strawn or any other reservoir.

packer. The casing for Well No. 5 will be inspected prior to running, and an external casing packer is not planned.

Finally, Well No. 4 has been plugged and abandoned. Well reports and a well diagram are attached as Exhibit B.

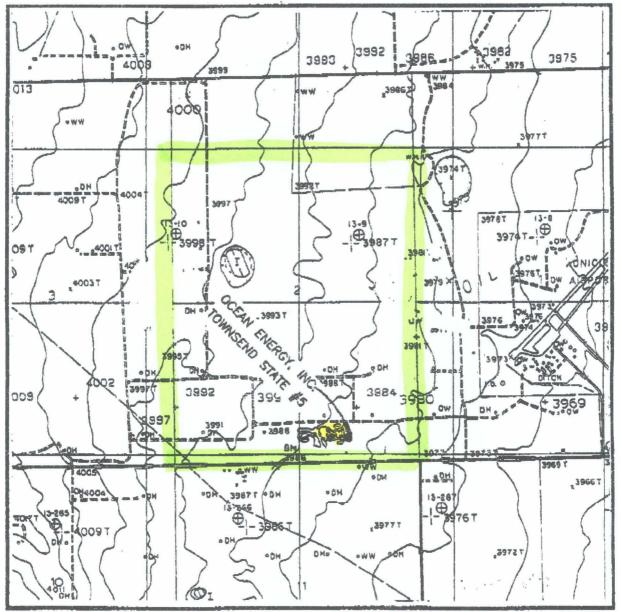
Please call me if you need any further information. Ocean is anxious to drill the well, and your attention to this matter is appreciated.

Very truly yours,

James Bruce

-2-

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL -

SEC. 2 TWP. 16—S RGE. 35—E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 330' FSL & 1520' FEL

ELEVATION 3981'

OPERATOR OCEAN ENERGY, INC.

LEASE TOWNSEND STATE

U.S.G.S. TOPOGRAPHIC MAP

LOVINGTON NW, N.M.

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





July 2, 1998

State of New Mexico, Energy Minerals and Natural Resources Department Oil Conservation Division District I Office PO Box 1980 Hobbs, New Mexico 88241-1980

RE:

Townsend State #4
API# 30-025-34150
Unit W Section 2-T16S-R35E
Lea County

Dear Madam or Sir:

Enclosed for the subject well are the following items:

One original and 2 copies of form C-103, subsequent report of plugging Wellbore diagrams

If you have any questions or need additional information, I can be reached in Denver at (303) 573-4721. Thank you for your time in this matter.

Sincerely,

Scott M. Webb Regulatory Coordinator



TOWNSEND STATE #4

6/27/98 - MI & RU PU. MI & unload 57 jts of 2-7/8" 6.5# J-55 8rd EUE tbg. PU tbg & RIH to 1750' FS. RU BJ. Mixed 25 sx plug of Class "C" Neat cmt. Pumped cmt to btm of tbg. Spotted plug from 1750' to 1639'. Rulled & LD 43 jts of tbg. Btm of tbg @ 450' FS. Mixed & pumped 50 sx plug of Class "C" Neat cmt. Pumped plug, covered from 450' to 250'. Pulled remainder of tbg, unflanged wellhead & BOP. Set BOP off. Ran 1 jt of tbg. Spotted 10 sx plug of Class "C" Neat cmt. Covered approx 10'. POOH w/ 1 jt of tbg & LD. RD PU. Moved off loc & MI welder. Dug out wellhead, cut off wellhead flange, installed plate & dry hole marker. Covered cellar & cut off deadmen. Well plugged 6/26/98.

DC: \$5200

07/02/98

(303) 573-4721

DATE

TELEPHONE NO

Regulatory Coordinator

3 sx from 3'-13'.

OR PRINT NAME

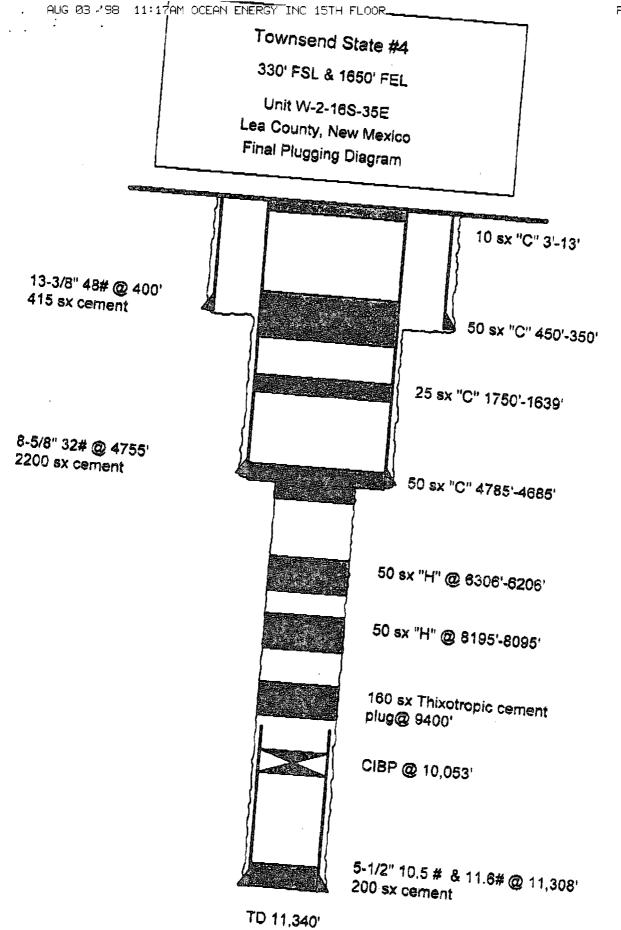
ven by

MONS OF APPROVAL IF ANY:

ut off wellhead 3' below grade, weld on plate and dry hole marker.

Scott M. Webb

cby certify that the information above is true and complete to the best of my knowledge and belief.



Destrict Santa Pe, Nin 87505 Sonta Type of Letse STATE FEE SUNDTY NOTICES AND REPORTS ON WELLS GO NOT use This promoting proposal, 3 to delice on Plus Ascarda Observation Research Research College on Plus Ascarda Observation Research Research Research College on Plus Ascarda Observation Research Research Research College on Plus Ascarda Observation Research	DISTRICT 1 F.O. Bex 1980, Hobba NM 88240 OIL CONSERVATION D	IVISION WELL API NO.
Santa Pe, Not 37505	2040 Pacheco St.	1
DISTRICT III CON NO TIME THAS FORM FOR PARTY TO CHILL ON TO DEEDER ON WELLS GO NOT USE THAS FORM FOR PORPOSALS TO CHILL ON TO DEEDER ON PLUG SACK TO A DEPERBENT REGRESSIVEL, USE ARROYOU, USE ARROYOU AND THE PARTY OF THE PART		5. Indicate Type of Lease STATE THE FEET
Type of Welt Osh O		
OPPERENT RESERVOR. USE APPLICATION FOR PERSONT (COMM C-10) FOR SUCH PERSONALS TOWNSEND STATE OPPER OPPE	SUNDRY NOTICES AND REPORTS ON W	ELLS SAME TO THE RESIDENCE OF THE PROPERTY OF
Townsend State Town	DIFFERENT RESERVOIR, USE "APPLICATION FOR PERMIT"	JUG BACK TO A 7. Lease Name or Unit Agreement Name
City Control		Townsend State
Ocean Energy Inc. 3. Address of Operator 4. Well Location Unit John W 330 Feet From The South Line and 1650 Feet From Tree East Line Tentur 2 Trombin 165 Roags 35E NAPM Les County 10. Elevation (Show whether DF, RKB, RT, GR, etc.) OR 3981' GR Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data II. NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING TEMPORABILLY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMEN PULL OR ALTER CASING CHANGE PLANS CASING TEST AND CEMENT JOB OTHER: Revised P&A Plan To Describe Propased of Companied Operators (Chargh piece and permisses date, including culturate date, or straining and propagated actions of the second of the subject well. The well was plugged back to the intermediate casing shoe at 4685', OEI originally intended to plug back the well for a possible directional drill, instead a replacement well is being drilled. Plugs have been placed in the following intervals: CIBP at 10,053', 160 sx 9400', 50 sx 8195'-8095', 50 sx 6306'-6206', 50 sx 4785'-4685'. The following additional plugs will be set to finish the plugging the well: 1) 25 sx "C" @ 1750' 3) 10 sx "C" from 450' - 350' 3) 10 sx "C" from 450' - 350' 3) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three flet below grade. 1 hereby seriely has the information backe is use and complete to by sent of my browking and betic. 1 StriAnce will be re-contoured with dry contents three flet below grade. 1 hereby seriely had the information backe is use and complete to by sent of my browking and betic. 1 StriAnce will be re-contoured with dry contents three flet below grade. 1 hereby seriely had the information backe is use and complete to by sent of my browking and betic. 1 StriAnce will be re-contoured with dry contents three flet below grade. 1 Preparation of the strian Up) 1 Strian Str	jou gas —	
S. Address of Operator 9. Peol state of Wildcat 10.170 Street, Suite 1400, Denver, CO 80202 1. Well Location 1. Suite 1400, Denver, CO 80202 1. Suite 14002 1. Sui	1 🔻	8. Well No.
Big Dog Strawn South		0. Projector Wilder
Well Location Unit Lener W 330 Feet From The South Line and 1650 Feet From The East Line		
Unit Letter W 330 For From The South Line and 1650 For From The Estat Line Early 2 Temphile 165 Range 35E NMM Lét Caustry		19.20 4.50 04041
The Elevation (Show whether DF, RKB, RT, GR, etc.) GR 1981 GR Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING COMMENCE DRILLING OPNS. PLUG AND ABANDONMEN TEMPORARILLY ABANDON CHANGE PLANS CASING TEST AND CEMENT JOS COMMENCE DRILLING OPNS. OTHER: Revised PRA Plan X OTHER: OTHER: Revised PRA Plan X OTHER: OCEAN Energy is requesting to plug and abandon the subject well. The well was plugged back to the intermediate casing shoe at 4685'. OEI originally intended to plug back the well for a possible directional drill, instead a replacement well is being drilled. Plugs have been placed in the following intervals: CIBP at 10,053', 160 sx 9400', 50 sx 8195'-8095', 50 sx 6306'-6205', 50 sx 4785'-4685'. The following additional plugs will be sex to finish the plugging the well: 1) 25 xx "C" & 1750' 2) 50 sx "C" from 450' - 350' 3) 10 sx "C" from 450' - 350' 3) 10 sx "C" from 450' - 350' 3) 10 sx "C" from 450' - 350' 3) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. There is entirely that the infogration above is use and complete to the just of my knowledge and belief. SIGNATURE TITLE Regulatory Coordinator DATE 06/25/98 TITLE Regulatory Coordinator DATE 06/25/98 TITLE PROPERS. ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY	Unit Lener W : 330 Feet From The South	Line and 1650 Feet From The East Line
CR 1981' CR Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data II. NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON COMMENCE DRILLING OPNS. PLUG AND ABANDON PULL OR ALTER CASING CASING CASING TEST AND CEMENT JOS CASING TEST AND CEMENT JOS COMMENCE DRILLING OPNS. PLUG AND ABANDONMEN PULL OR ALTER CASING CHAPTER COMPANDED (Closely same off partners dense including enhanced dense of manifer opportunated over a standard of the compand of compand Operations (Closely same off partners dense including enhanced dense of manifer opportunated over). See Rille 1100. OTHER: Revised P&A Plan X OTHER: 12. Describe Propued at Compand Operations (Closely same off partners dense including enhanced dense of manifer opportunated over). See Rille 1100. OCEAN Energy is requesting to plug and abandon the subject well. The well was plugged back to the intermediate casing shoe at 4685'. OEI originally intended to plug back the well for a possible directional drill, instead a replacement well is being drilled. Plugs have been placed in the following intervals: CIBP at 10,053', 160 ax 9400', 50 ax 8195'-8095', 50 ax 6306'-6206', 50 ax 4785'-4685' The following additional plugs will be set to finish the plugging the well: 1) 25 ax "C" @ 1750' 2) 50 ax "C" from 450' - 350' 3) 10 ax "C" from 3'-13' 4) Surface easing would be cutoff and marker set at well spot. 1) Note of the interpolation above is use and complete to the fast of my knowledge and belief. 1) Interpolation of the interpolation above is use and complete to the fast of my knowledge and belief. 1) This spot for Store Units 1) This spot for Store Units 1) APPROVEDBY OFIGINAL SIGNED BY 1) APPROVEDBY OFIGINAL SIGNED BY 1) THE DATE OUL 1.5 ISMS		
Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:		
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMEN PULL OR ALTER CASING CASING TEST AND CEMENT JOS OTHER: Revised P&A Plan X OTHER: PLUG AND ABANDONMEN 12. Divide Prepared at Computed Operations (Courty state off previous users) is requesting to plug and abandon the subject well. The well was plugged back to the intermediate casing shoe at 4685'. OEan Energy is requesting to plug back the well for a possible directional drill, instead a replacement well is being drilled. Plugs have been placed in the following intervals: CIBP at 10,053', 160 sx 9400', 50 sx 8195'-8095', 50 sx 6306'-6206', 50 sx 4785'-4685'. The following additional plugs will be set to finish the plugging the well: 1) 25 sx "C" @ 1750' 2) 50 sx "C" from 450' - 350' 3) 10 sx "C" from 450' - 350' 3) 10 sx "C" from 3'-13' 4) Surface casing would be cutoff and marker set at well spot. 5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three flet below grade. 1 hereby ceristy that the infogration above is two and complete to the best of my knowledge and belief. SIGNATURE TITLE Regulatory Coordinator DATE 06/25/98 TELEPHONE NO. (303) 573-4721.		
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMEN CASING TEST AND CEMENT JOB OTHER: Revised P&A Plan TO THER: Not Compared Operations (Clearly uses oil pursional densit, and give persional data, including collected of the intermediate casing shoe at 4685'. Ocean Energy is requesting to plug and abandon the subject well. The well was plugged back to the intermediate casing shoe at 4685'. OEI originally intended to plug back the well for a possible directional drill, instead a replacement well is being drilled. Plugs have been placed in the following intervals: CIBP at 10,053', 160 sx 9400', 50 sx 8195'-8095', 50 sx 6306'-6206', 50 sx 4785'-4685'. The following additional plugs will be set to finish the plugging the well: 1) 25 sx "C" @ 1750' 2) 50 sx "C" from 450' - 350' 3) 10 sx "C" from 450' - 350' 3) 10 sx "C" from 3'-13' 4) Surface casing would be cutoff and marker set at well spot. 5) Well location would be citemed up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. 1 hereby ensity that the information above is true and complete to the best of my knowledge and belief. SIGNATURE TITLE REgulatory Coordinator DATE 06/25/98 TITLE REgulatory Coordinator DATE 06/25/98 TELEPHONE NO. (303) 573-4721 (This speec for Sear Use) OPIGINAL SIGNED BY OPIGINAL SIGNED BY TITLE DATE WILL 1.5 ISMS	MATINE OF INTENTION TO	
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMEN. PULL OR ALTER CASING CASING CASING CASING TEST AND CEMENT JOB CASING TEST AND CEMENT JOB OTHER: 12. Describe Prepared of Compared Operations (Clearly sease oil purchinal densils, and give puriness date, including cultimated date of standing on proposed work). SER RILL 100. Ocean Energy is requesting to plug and abandon the subject well. The well was plugged back to the intermediate casing shoe at 4685'. OEI originally intended to plug back the well for a possible directional drili, instead a replacement well is being drilled. Plugs have been placed in the following intervals: CIBP at 10,053', 160 sx 9400', 50 sx 8195'-8095', 50 sx 6306'-6206', 50 sx 4785'-4685'. The following additional plugs will be sex to finish the plugging the well: 1) 25 sx "C" @ 1750' 2) 50 sx "C" from 450' - 350' 3) 10 sx "C" from 3'-13' 4) Surface casing would be cutoff and marker set at well spot. 5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. 1 hereby sendify that the infogration above is true and complete to the less of my knowledge and belief. SIGNATURE TITLE Regulatory Coordinator DATE 06/25/98 TELEPHONE NO. (303) 573-4721 TITLE DATE OF TELEPHONE NO. (303) 573-4721		P1
OTHER: Revised P&A Plan CASING TEST AND CEMENT JOB		
OTHER: Revised P&A Plan X	TEMPORARILY ABANDON CHANGE PLANS	
12. Describe Proposed of Computed Operations (Clearly state of) perturbed densities and give perturbed data, inclinding cultimated data of standing one proposed work. Ocean Energy is requesting to plug and abandon the subject well. The well was plugged back to the intermediate casing shoe at 4685'. OEI originally intended to plug back the well for a possible directional drili, instead a replacement well is being drilled. Plugs have been placed in the following intervals: CIBP at 10,053', 160 sx 9400', 50 sx 8195'-8095', 50 sx 6306'-6206', 50 sx 4785'-4685'. The following additional plugs will be set to finish the plugging the well: 1) 25 sx "C" @ 1750' 2) 50 sx "C" from 450' - 350' 3) 10 sx "C" from 3'-13' 4) Surface casing would be cutoff and marker set at well spot 5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. 1 hereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE TITLE Regulatory Coordinator OATE 06/25/98 TELEPHONE NO. (303) 573-472! THE DATE OUL 15 15.00		CASING TEST AND CEMENT JOB
Coean Energy is requesting to plug and abandon the subject well. The well was plugged back to the intermediate casing shoe at 4685'. OEI originally intended to plug back the well for a possible directional drill, instead a replacement well is being drilled. Plugs have been placed in the following intervals: CIBP at 10,053', 160 sx 9400', 50 sx 8195'-8095', 50 sx 6306'-6206', 50 sx 4785'-4685'. The following additional plugs will be set to finish the plugging the well: 1) 25 sx "C" @ 1750' 2) 50 sx "C" from 3'-13' 4) Surface casing would be cutoff and marker set at well spot. 5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. 1 hereby certify that the information above is true and complete to the last of my knowledge and belief. SIGNATURE TITLE ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY		
OEI originally intended to plug back the well for a possible directional drill, instead a replacement well is being drilled. Plugs have been placed in the following intervals: CIBP at 10,053', 160 sx 9400', 50 sx 8195'-8095', 50 sx 6306'-6206', 50 sx 4785'-4685'. The following additional plugs will be set to finish the plugging the well: 1) 25 sx "C" @ 1750' 2) 50 sx "C" from 450' - 350' 3) 10 sx "C" from 3'-13' 4) Surface casing would be cutoff and marker set at well spot. 5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contants three feet below grade. 1 hereby certify that the infognation above is true and complete to the last of my knowledge and belief. SIGNATURE TITLE Regulatory Coordinator DATE 06/25/98 TILEPHONE NO. (303) 573-472! TITLE DATE OUL 15 1956 ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY	SEE RULE 1103.	
Plugs have been placed in the following intervals: CIBP at 10,053', 160 sx 9400', 50 sx 8195'-8095', 50 sx 6306'-6206', 50 sx 4785'-4685'. The following additional plugs will be set to finish the plugging the well: 1) 25 sx "C" @ 1750' 2) 50 sx "C" from 450' - 350' 3) 10 sx "C" from 3'-13' 4) Surface casing would be cutoff and marker set at well spot. 5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. 1 hereby sentify that the infogration above is true and complete to the last of my knowledge and belief. SIGNATURE TITLE Regulatory Coordinator DATE 06/25/98 THE DATE OF STANDE NO. (303) 573-472! ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY TITLE DATE		
The following additional plugs will be set to finish the plugging the well: 1) 25 sx "C" @ 1750' 2) 50 sx "C" from 450' - 350' 3) 10 sx "C" from 3'-13' 4) Surface casing would be cutoff and marker set at well spot. 5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. 1 hereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE TITLE Regulatory Coordinator DATE 06/25/98 TYPE OR FRINT NAME SCOTT M. Webb TELEPHONE NO. (303) 573-472! (This space for State Use) ORIGINAL SIGNED BY ORIGINAL SIGNED BY ORIGINAL SIGNED BY	· -	
1) 25 sx "C" @ 1750' 2) 50 sx "C" from 450' - 350' 3) 10 sx "C" from 3'-13' 4) Surface casing would be cutoff and marker set at well spot 5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. 1 hereby certify that the information above is true and complete to the test of my knowledge and belief. SIGNATURE TITLE Regulatory Coordinator DATE 06/25/98 TYPE OR PRINT NAME Scott M. Webb TILEPHONE NO. (303) 573-472! (This appear for State Use) APPROVED BY ORIGINAL SIGNED BY	Plugs have been placed in the following intervals: CIBP at 10,053', 1	30 sx 9400', 50 sx 8195'-8095', 50 sx 6306'-6206', 50 sx 4785'-4685'
2) 50 sx "C" from 450' - 350' 3) 10 sx "C" from 3'-13' 4) Surface casing would be cutoff and marker set at well spot. 5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. 1 hereby certify that the information above is true and complete to the last of my knowledge and belief. SIGNATURE TYPE OR PRINT NAME Scott M. Webb TELEPHONE NO. (303) 573-472! (This appear for State Use) APPROVED BY ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY	The following additional plugs will be set to finish the plugging the v	rell:
3) 10 sx "C" from 3'-13' 4) Surface casing would be cutoff and marker set at well spot. 5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. 1 hereby certify that the information above is true and complete to the last of my knowledge and belief. SIGNATURE TITLE Regulatory Coordinator DATE 06/25/98 TYPE OR PRINT NAME Scott M. Webb TELEPHONE NO. (303) 573-472! APPROVED BY ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY	1) 25 sx "C" @ 1750'	
4) Surface casing would be cutoff and marker set at well spot. 5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. I hereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE TYPE OR PRINT NAME SCOTT M. Webb TELEPHONE NO. (303) 573-472! (This appear for Stem Use) APPROVED BY ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY	2) 50 sx "C" from 450' - 350'	
5) Well location would be cleaned up and re-contoured. 6) Reserve pit will be re-contoured with dry contents three feet below grade. I hereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE TYPE OR PRINT NAME SCOTT M. Webb TELEPHONE NO. (303) 573-472! (This appear for State Use) APPROVED BY ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY	3) 10 sx "C" from 3'-13'	
6) Reserve pit will be re-contoured with dry contents three feet below grade. I hereby certify that the information above is true and complete to the less of my knowledge and belief. SIGNATURE TITLE Regulatory Coordinator DATE 06/25/98 TYPE OR PRINT NAME SCOTT M. Webb TELEPHONE NO. (303) 573-472! (This appear for State Use) APPROVED BY ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY	4) Surface casing would be cutoff and marker set at well spot.	
I hereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE TITLE Regulatory Coordinator DATE 06/25/98 TYPE OR PRINT NAME SCOTT M. Webb TELEPHONE NO. (303) 573-472! (This appear for Stead Use) APPROVED BY ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY	Well location would be cleaned up and re-contoured.	
SIGNATURE TITLE REGulatory Coordinator DATE 06/25/98 TYPE OR PRINT NAME SCOTT M. Webb TELEPHONE NO. (303) 573-472! (This appear for Stead Use) APPROVED BY ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY	6) Reserve pit will be re-contoured with dry contents three feet belo	w grade.
TYPE OR PRINT NAME SCOTT M. WOOD TELEPHONE NO. (303) 573-472! (This appear for Steer Use) APPROVED BY ORIGINAL SIGNED BY APPROVED BY ORIGINAL SIGNED BY		
(This speed for State Upp) APPROVED BY ORIGINAL SIGNED BY DATE OUL 15 1859		
APPROVED BY ORIGINAL SIGNED BY TITLE DATE OUL 15 1949		
	ADIGINAL SIGNED BY	- MII 1 5 1998
		DAIL OUR 4 7 PROTE

TITLE

FIELD HEP. H

APPROVED BY -

CONDITIONS OF AFFROVAL IF ANY:

DATE .

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS Application Acronyms: [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] TYPE OF APPLICATION - Check Those Which Apply for [A] [i] Logation - Spacing Unit - Directional Drilling □ NSP **WILL CONSERVATION DIVISION** Check One Only for [B] or [C] Commingling - Storage - Measurement [B] DHC \Box CTB ☐ PLC OLS. OLM: [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery \square PMX □ WFX □ SWD ☐ IPI **EOR** PPR NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply [2] [A] Working, Royalty or Overriding Royalty Interest Owners [B] Offset Operators, Leaseholders or Surface Owner [C] Application is One Which Requires Published Legal Notice [D]Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office [E] For all of the above, Proof of Notification or Publication is Attached, and/or, [F]☐ Waivers are Attached INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding [3] I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action **JAMES BRUCE**

Print or Type Name

P.O. BOX 1056 SANTA FE, NM 87504 e completed by an individual with supervisory capacity

Signature

JAMES BRUCE

ATTORNEY AT LAW

POST OFFICE BOX 1056 SANTA FE, NEW MEXICO 87504

SUITE B 612 OLD SANTA FE TRAIL SANTA FE. NEW MEXICO 87501

(505) 982-2043 (505) 982-2151 (FAX)

July 17, 199/18

Hand Delivered

Michael E. Stogner Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Dear Mr. Stogner:

Pursuant to Division Rule 104.F.(2), Ocean Energy, Inc. ("Ocean") applies for administrative approval of an unorthodox oil well location for the following well:

Townsend St. Well No. 5
330 feet FSL & 1520 feet FWL
S½SE¼ §2, Township 16 South, Range 35 East, NMPM
Lea County, New Mexico

The well will be drilled to a depth sufficient to test the Strawn formation (Undesignated South Big Dog-Strawn Pool). Well spacing is 80 acres. A Form C-102 for the well is attached as Exhibit A.

The proposed location is based upon geological and geophysical reasons. Attached as Exhibit B is a net isopach map of the Strawn formation. The isopach was generated using a 3% density porosity cutoff from available well control, and incorporating Ocean's current interpretation of a 3D seismic survey. The Strawn formation in this part of Lea County produces oil and gas from algal carbonate buildups. The isopach shows that the proposed location is in the thickest part of the buildup. The mound is small, and will require only one well to effectively drain it. The proposed location is at the optimum spot to test this mound, will reduce the risk involved in drilling the well, and provide the greatest chance for economical oil and gas production.

Submitted as Exhibit C is a land plat of Section 2, with the well unit and location of the proposed well marked thereon. Ocean is the operator of, and only working interest owner in, the proposed well unit, which is comprised entirely of State land. There are no

overriding royalty interests in the well unit. Because the well is only moving toward an interior boundary of the well unit, notice is not required to be given to any offset lessee or any other interest owner. As a result, Ocean requests that the 20 day waiting period be <u>waived</u>.

This application is submitted in duplicate. Please call me if you need anything further on this matter.

Very truly yours,

fames Bruce

Attorney for Ocean Energy, Inc.

cc: L. Smith

DISTRICT I P.O. Best 1960, Hobbs, NM 58241-1960

State of New Mexico

Energy, Minerals and Natural Resources Department.

Form C-102

Revised February 10, 1994
Submit to Appropriate District Office

State Lease - 4 Copies

State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artonia, NM 88211-0719

> OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

DISTRICT IV

DISTRICT III

P.O. Box 2088, Santa Fe, NM 87504-2088

1000 Rio Brazos Rd., Axtec, NM 67410

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	South Big Dog	Strawn
Property Code	Property Name	Well Number
	TOWNSEND STATE	5
OGRID No.	Operator Name	Elevation
169355	OCEAN ENERGY, INC.	3981

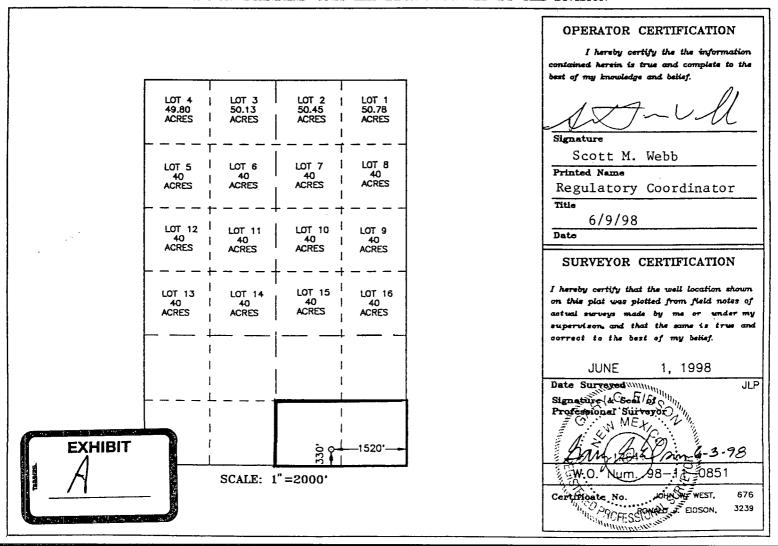
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
W KOX	2	16 S	35 E		330	SOUTH	1520	EAST	LEA

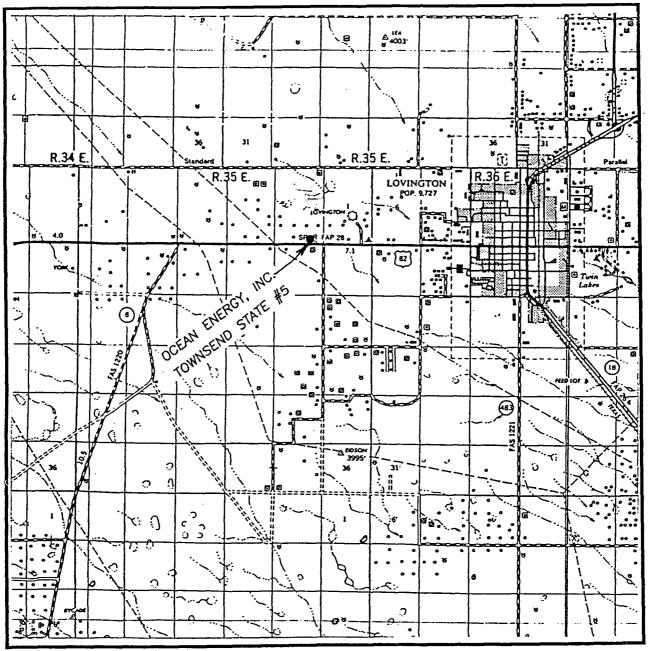
Bottom Hole Location If Different From Surface

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 Co	nsolidation (Code Or	der No.	<u> </u>			
80	I								

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



VICINITY MAP



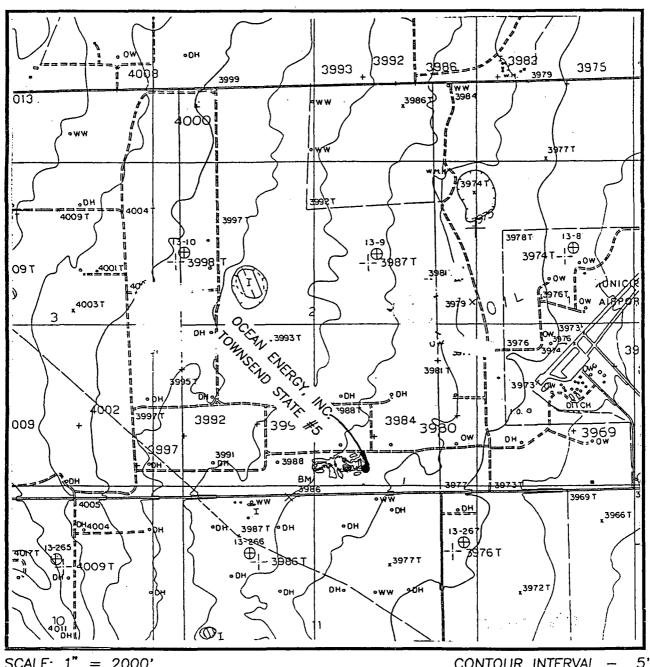
SCALE: 1" = 2 MILES

SEC. <u>2</u> T	WP. <u>16-S</u> RGE. <u>35-E</u>
SURVEY	N.M.P.M.
COUNTY	LEA
DESCRIPTION	330' FSL & 1520' FEL
ELEVATION	3981'
OPERATOR	OCEAN ENERGY, INC.
I EASE	TOWNSEND STATE

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



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

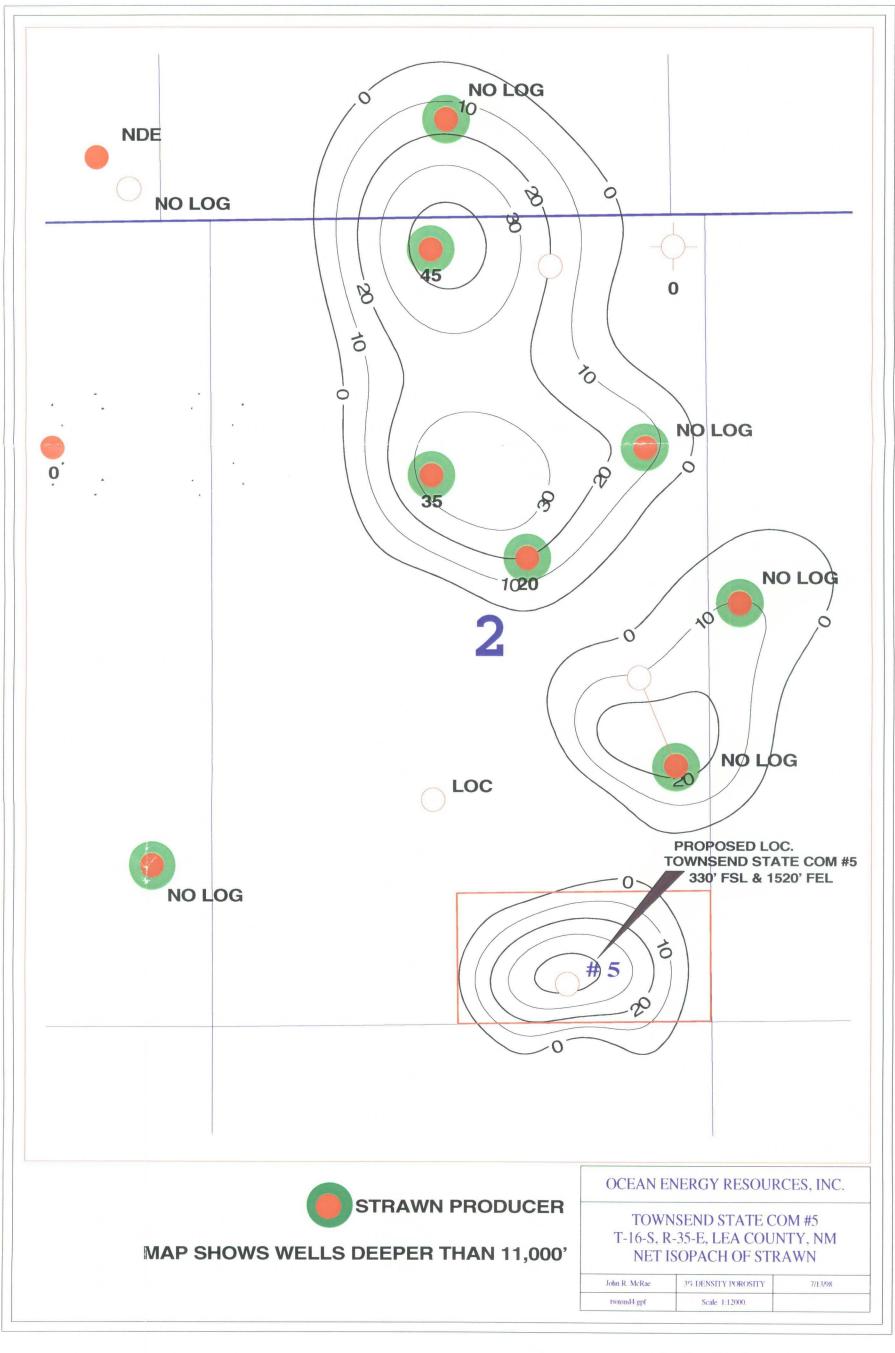
LOVINGTON NW, N.M.

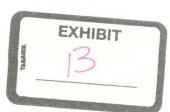
CONTOUR INTERVAL -

SEC. 2 TWP. 16	<u>-S_</u> RGE. <u>35E</u>
SURVEYN	.м.Р.м.
COUNTY	LEA
DESCRIPTION 330'	FSL & 1520' FEL
ELEVATION	3981'
OPERATOR OCEAN	ENERGY, INC.
LEASETOWI	
U.S.G.S. TOPOGRAP	HIC MAP

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







R 35 E MOBIL STATE Lot 2 Lot 1 Lot 3 Lot 4 State State State State APK STATE GALLAGHER STATE Lot 6 2 1 ot 5 Lot 7 Lot 8 State State State State APK STATE Lot 9 Lot 11 Lot 10 State State State State TOWNSEND Lot 14 Lot 15 Lot 13 Lot 18 State State Stat State TOWNSEND State State State State State of New Mexico
Oil & Gas Lease E-7720-4
OEI- 100%
HBP TOWNSEND STATE **TOWNSEND STATE #5** 1520' FEL PROPOSED LOCATION State State 330' FSL State Fee 4 LEGEND OCEAN ENERGY, INC. STRAWN UNITS PROPOSED STRAWN WELL NEW MEXICO OIL CONSERVATION DIVISION MYATES, ET AL ACREAGE UNORTHODOX WELL LOCATION PROPOSED STRAWN/ATOKA WELL TOWNSEND STATE #5 - LEA CO., NM AMERIND, ET AL ACREAGE DRILLING STRAWN WELL LAND TECH: SCHERFF STRAWN WELLS SHIDLER, ET AL ACREAGE

16

EXHIBIT

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

July 20, 1998

Ocean Energy, Inc. c/o James Bruce P. O. Box 1056 Santa Fe, New Mexico 87504

Re:

Administrative application on behalf of Ocean Energy, Inc. to drill its Townsend State Well No. 5 at an unorthodox oil well location in the Undesignated Big Dog-Strawn Pool 330 feet from the South line and 1520 feet from the East line (Unit W) of irregular Section 2, Township 16 South, Range 35 East, NMPM, Lea County, New Mexico. The S/2 SE/4 of said Section 2 to be dedicated to said well in order to form a standard 80-acre oil spacing and proration unit for this pool.

Dear Mr. Bruce:

Additional information and further explanation are needed in order to complete my evaluation of this application. Division Administrative Order NSL-3870, dated September 17, 1997, authorized UMC Petroleum Corporation ("UMC") to drill its Townsend State Well No. 4 (API No. 30-025-34150) at an unorthodox oil well location 400 feet from the South line and 1500 feet from the East line (Unit W) of said Section 2 in order to test the Undesignated Big Dog-Strawn Pool within a standard 80-acre oil spacing and proration unit comprising the S/2 SE/4 of said Section 2. The application submitted at that time was based on geological and geophysical reasons. In October, 1997 (see NMOCD Form C-103) UMC requested an alternate location within this 80-acre unit that was standard (330' FSL & 1650' FEL) because of an "undesirable topographic condition" at the original location. Our records indicate that this well was drilled to a total depth of 11,340 feet and encountered "downhole problems."

What is the nature of this previously mentioned "undesirable topographic condition," what is its extent, and since it is only 73 feet away from the proposed location of the proposed Townsend State Well No. 5, will it present any problem? I recommend that a detailed topographic land plat be submitted to aid me in evaluating Ocean Energy, Inc.'s written response. What was the nature of the "downhole problems" encountered in the Townsend State Well No. 4? What, if any, preconditions will be taken to assure that these same problems do not occur in the drilling of the No. 5 well? Will Ocean Energy, Inc. be plugging the Townsend State Well No. 4 prior to the drilling of this well? If not, then why not?

Should you have any questions concerning this matter, please contact me in Santa Fe at (505) 827-8185. Thank you for your cooperation.

Sincerely

Michael E. Stogner

Chief Hearing Examiner/Engineer

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

APPLICATION OF AMERIND OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.	Case No. 11716
APPLICATION OF AMERIND OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.	Case No. 11717
APPLICATION OF YATES PETROLEUM CORPORATION FOR COMPULSORY POOLING AND A NON-STANDARD OIL PRORATION UNIT, LEA COUNTY, NEW MEXICO.	Case No. 11739
APPLICATION OF AMERIND OIL COMPANY, LTD. AND MICHAEL SHEARN FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.	Case No. 11740

APPLICATION OF UMC PETROLEUM CORPORATION FOR A NON-STANDARD OIL PRORATION UNIT, LEA COUNTY, NEW MEXICO.

APPLICATION OF AMERIND OIL COMPANY, LTD. FOR COMPULSORY POOLING, LEA COUNTY NEW MEXICO.

Case No. 11753

Case No. 11741

Order No. R-10803

ORDER OF THE DIVISION

BY THE DIVISION:

The subject cases came on for hearing at 8:15 a.m. on February 6, March 6, and/or April 3, 1997, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 22nday of May, 1997, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

1

FINDS THAT:

- (1) Due public notice having been given as required by law, the Division has jurisdiction of these causes and the subject matter thereof.
- (2) Each of the six following cases involves acreage in irregular Section 2, Township 16 South, Range 35 East, NMPM, Lea County, New Mexico and is within the governing limits of the South Big Dog-Strawn Pool; therefore, due to the similarity, close proximity, and nature of each, a single order issued by the Division is deemed appropriate:
 - (a) in Case No. 11716 the applicant, Amerind Oil Company, Ltd. ("Amerind"), seeks an order pooling all mineral interests from the surface to the base of the Strawn formation underlying Lots 8 and 9 of said Section 2, forming an 80-acre oil spacing and proration unit for any and all formations and/or pools developed on 80-acre spacing, which at the time of the hearing included only the Undesignated South Big Dog-Strawn Pool and dedicating said unit to its proposed State "AY" Com Well No. 1 to be drilled and completed at a standard oil well location in Lot 9 (Unit I) of said Section 2:
 - (b) in Case No. 11717, Amerind, seeks an order pooling all mineral interests from the surface to the base of the Strawn formation underlying Lots 7 and 10 of said Section 2, forming an 80-acre oil spacing and proration unit for any and all formations and/or pools developed on 80-acre spacing, which at the time of the hearing included only the designated and Undesignated South Big Dog-Strawn Pool and dedicating said unit to its proposed State "AY" Com Well No. 2 to be drilled and completed at a standard oil well location in Lot 10 (Unit J) of said Section 2;
 - (c) in Case No. 11739 the applicant, Yates Petroleum Corporation ("Yates"), seeks an order pooling all mineral interests from the surface to the base of the Strawn formation underlying Lots 8 and 9 of said Section 2, to form a non-standard 80-acre oil spacing and proration unit for any and all formations and/or pools developed on 80-acre spacing, which at the time of the hearing included only the Undesignated South Big Dog-Strawn Pool and dedicating said unit to its proposed Field "APK" State Com Well No. 2 to be drilled and completed at a standard oil well location 2390 feet from

the North line and 640 feet from the East line (Unit H/Lot 8) of said Section 2;

- (d) in Case No. 11740, Amerind Oil Company, Ltd. and Michael Shearn seek an order pooling all mineral interests from the surface to the base of the Strawn formation underlying Lots 9 and 16 of said Section 2, forming a standard 80-acre oil spacing and proration unit for any and all formations and/or pools developed on 80-acre spacing, which at the time of the hearing included only the Undesignated South Big Dog-Strawn Pool and dedicating said unit to the UMC Petroleum Corporation Townsend State Well No. 1 (API No. 30-025-33713) being drilled at the time of the hearing at a standard oil well location 3526 feet from the South line and 727 feet from the East line (Unit P/Lot 16) of said Section 2;
- (e) in Case No. 11741 the applicant, UMC Petroleum Corporation ("UMC"), seeks approval of an 80-acre non-standard oil spacing and proration unit in the Undesignated South Big Dog-Strawn Pool comprising Lots 16 and the NE/4 SE/4 of said Section 2 for its Townsend State Well No. 1 (API No. 30-025-33713) being drilled at the time of the hearing at a standard oil well location 3526 feet from the South line and 727 feet from the East line (Unit P/Lot 16) of said Section 2; and,
- in Case No. 11753 Amerind seeks an order pooling all mineral interests from the surface to the base of the Strawn formation underlying Lots 8 and 9 of said Section 2, to form an 80-acre oil spacing and proration unit (that is non-standard) for any and all formations and/or pools developed on 80-acre spacing, which at the time of the hearing included only the Undesignated South Big Dog-Strawn Pool and dedicating said unit to its proposed State "AY" Com Well No. 1 to be drilled and completed at a standard oil well location in Lot 9 (Unit I) of said Section 2.
- (3) By Division Order No. R-9722, issued in Case No. 10530 and dated September 23, 1992, as amended by Order Nos. R-9722-A and R-9722-B, the West Lovington-Strawn Pool (originally designated the East Big Dog-Strawn Pool) was created and designated as an oil pool for the production of oil from the Strawn formation in Lea County, New Mexico. Said orders also promulgated special rules and regulations for said pool including provisions for standard 80-acre oil spacing and proration units subject to a depth bracket oil allowable of 445 barrels of oil per day and designated well location requirements. The extent of said West Lovington-Strawn Pool, prior to February 26, 1997, included the following described acreage in Lea County, New Mexico:

TOWNSHIP 15 SOUTH, RANGE 35 EAST, NMPM

Section 28: SE/4 Section 32: SE/4

Section 33: NE/4 and S/2

Section 34: S/2

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM

Section 1: Lots 1 through 8
Section 2: Lots 1 through 8

TOWNSHIP 16 SOUTH, RANGE 36 EAST, NMPM

Section 6: Lots 1, 2, 7, and 8.

(4) By Division Order No. R-9722-C/R-10448-A, issued in Case No. 11599 and dated February 26, 1997, the West Lovington-Strawn Pool was contracted by the deletion of the following described area in Lea County, New Mexico:

TOWNSHIP 15 SOUTH, RANGE 35 EAST, NMPM

Section 32: W/2 SE/4

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM

Section 2: Lots 2 through 7.

- (5) Said Order No. R-9722-C/R-10448-A further provided for the concomitant creation of the South Big Dog-Strawn Pool for the production of oil from the Strawn formation underlying the above-described area and promulgated "Special Pool Rules and Regulations for the South Big Dog-Strawn Pool", which included provisions for: (I) 80-acre spacing and proration units each comprising of the N/2, S/2, E/2, or W/2 of a governmental Quarter section; (ii) designated well location requirements such that each well drilled within the pool is to be no closer than 330 feet to any quarter-quarter section or subdivision inner boundary nor closer than 1020 feet to the nearest well drilling to or capable of producing from the same pool; (iii) each standard 80-acre unit within said pool be subject to a depth bracket oil allowable of 445 barrels of oil per day.
- (6) The subdivision of the public lands within the State of New Mexico is surveyed under the United States System of Rectangular Surveys or township and range grid system. The primary unit of subdivision for this system is the township, bounded by meridional (north/south) and latitudinal (east/west) lines and, as nearly as may be, comprises an area of 6 square miles with the south and east boundaries being the governing lines. The township is divided further into 36 secondary units or sections, each being approximately one square mile in area. These section boundaries are established by

Order No. R-10803

Page 5

meridional and latitudinal section lines at intervals of one mile, again, from the eastern and southern boundaries of the township. This method of establishing sections allows for errors in measurement and to accommodate deficiencies due to the convergence of meridians and is such that all sections of the township are as nearly as may be one mile square except for the eleven sections that lie next to the townships north and west boundaries (Sections 1, 2, 3, 4, 5, 6, 7, 18, 19, 30, and 31).

Thus the layout of a typical township consist of six rows of six sections and that presumably each section is one mile square with any excess or deficiency in the measured distance between the south and north boundaries of the township is placed in the most northern half mile and any deficiency due to the convergency of meridians and any excess or deficiency in the measured distance between the east and west boundaries of the township is placed in the most western half mile.

A regular section contains 640 acres and can be subdivided further into half sections containing 320 acres (½ by one mile), quarter sections containing 160 acres (½ mile square), half-quarter sections containing 80 acres (1/4 by ½ mile), and quarter-quarter sections containing 40 acres (1/4 mile square). When a section does not contain the regular 640 acres, as in the west tier and north row in a township, the odd areas are assigned lot numbers.

Section 2 of Township 16 South, Range 35 East, NMPM, Lea County, New Mexico comprises a total area of 901.16 acres and represents an extreme example whereby a difference in excess of ½ mile exists within a northern row of sections. Said Section 2 consists of: Lot 1 with 50.78 acres; Lot 2 with 50.45 acres; Lot 3 with 50.13 acres; Lot 4 with 49.80 acres; Lots 5 through 16 each with 40 acres; and, the S/2, considered to be a regular subdivision or aliquot part of this section and can be further divided into two quarter sections (SW/4 and SE/4) or eight quarter-quarter sections (NE/4 SW/4, SE/4 SE/4, NW/4 SE/4, etc.).

In forming spacing and proration units within the State of New Mexico it is the New Mexico Oil Conservation Division's policy to follow the established system of survey rules in dividing sections, especially for those that are irregular, into its various standard aliquot parts or regular subdivisions and not simply subdividing such sections on paper which can and will surely result in a chaotic and disorderly pattern for the spacing and proration units.

In this instance where development and standard spacing is on 80-acres with each unit comprising the N/2, S/2, E/2, or W/2 of a governmental quarter section said Section 2 comprises a standard 320-acre S/2 aliquot part, which can be further divided into two quarter sections, being the SW/4 and SE/4, whereby each quarter section can be divided

Order No. R-10803

Page 6

into two half-quarters (either stand-up, E/2 and W/2, or lay down, N/2 and S/2). North of the S/2 of said Section 2 the next two rows of lots or quarter-quarter section equivalents, being Lots 9 through 16, are considered by the New Mexico Oil Conservation Division as a separate and independent ½ section subdivision whereby Lots 9, 10, 15, and 16 and Lots 11, 12, 13, and 14 are grouped together in order to form two quarter section equivalents. The northern most two rows of Lots, being 1 through 8, is also considered a ½ section and is to be treated in the same manner.

- Case Nos. 11716 and 11717, involved two areas, comprising 80 acres apiece, within said Section 2 that does not conform to the aforementioned subdivision rules; therefore, both proposed 80-acre proration units are considered to be non-standard. Prior to the February 6th hearing date Yates, a working interest owner in Lots 8, 10, and 11 of said Section 2 sought to dismiss Case 11717 for the reason that Amerind failed to request in its application the formation of a non-standard 80-acre unit pursuant to the governing pool rules applicable in this area and that Yates would combine Lots 10 and 15 in order to form a standard 80-acre spacing and proration unit for its Field "APK" State Com Well No. 1 (API No. 30-025-33563) located 3500 feet from the North line and 1880 feet from the East line (Lot 10/Unit J) of said Section 2. By letter from the New Mexico Oil Conservation Division dated February 5, 1997 Yates' motion for dismissal of said Case 11717 was granted.
 - (8) At the February 6th hearing Amerind requested dismissal of Case 11716.
 - (9) Both Amerind Cases 11716 and 11717 should therefore be dismissed.
- (10) Prior to the March 6, 1997 hearing the applicants in Case 11740, Amerind Oil Company, Ltd. and Michael Shearn requested that their application for the compulsory pooling of Lots 9 and 16 of said Section 2 be dismissed.
 - (11) Case 11740 should therefore be dismissed.
- (12) At the March 6, 1997 hearing UMC presented evidence and testimony in support of its application in Case 11741, which indicate:
 - (a) UMC commenced the drilling of its Townsend State Well No. 1 (API No. 30-025-33713), located at a standard oil well location 3526 feet from the South line and 727 feet from the East line (Unit P/Lot 16) of said Section 2, on December 19, 1996, and by the time of the March 6th hearing the well had reached total depth at a costs to date of approximately \$600,000.00;

- (b) prior to the commencement of this well, UMC submitted a Form C-101 (Application for Permit to Drill) to the Division's Hobbs District Office with Form C-102 (Well Location and Acreage Dedication Plat) attached thereto outlined a well unit comprised of Lots 16 and 17 of said Section 2; the Form C-101 was approved December 9, 1996; UMC filed the Forms C-101 and C-102 upon the belief that its proposed spacing and proration unit was standard in accordance with the applicable rules;
- (c) referencing the Division's decision on the Yates motion to dismiss Case 11717, the proposed UMC spacing and proration unit is non-standard; standard spacing and proration units for the UMC well drilled in Unit "P" or Lot "16" would either comprise Lots 9 and 16 or Lots 15 and 16;
- (d) Lot 15 is unavailable to form a standard 80-acre unit for the applicant's well because Lots 10 and 15 of said Section 2 are committed to a Joint Operating Agreement between Yates and UMC, signed in December 1996, under which Yates' Field "APK" State Well No. 1 is currently being drilled [see Finding No. (7) above];
- (e) Lots 8 and 9 of said Section 2 are the subject of competing compulsory pooling applications filed by Yates (Case No. 11739) and Amerind (Case No. 11753);
- neither Yates nor Amerind, nor any other interested offset operator or lessee, oppose UMC's request; and,
- (g) UMC is the lessee of Lots 14 through 16 and the SE/4 of said Section 2, which are subject to State of New Mexico oil and gas lease No. E07720; UMC is willing to form a 40-acre non-standard Strawn oil spacing and proration unit within the remaining 120 acre area comprising the W/2 SE/4 and SE/4 SE/4 of said Section 2 in the future in order to remedy the Strawn well development patterns with said State of New Mexico lease;
- (h) because UMC assumed the sole risk of drilling the Townsend State Well No. 1, and the well was commenced in the good faith belief that the proposed well unit was standard, and because of the willingness of applicant to use its remaining leasehold acreage in Section 2 to remedy any disruption of standard spacing and proration units in Section 2, the applicant's request for a non-standard spacing and proration unit should be granted; further, the granting of the application in Case 11741 is in the best

interests of conservation, serves in the prevention of waste, and protects correlative rights.

- (13) At the April 3, 1997 hearing both Division Case Nos. 11739 and 11753 were consolidated for the purpose of presenting testimony. Since both applications encompass the same acreage (Lots 8 and 9 of said Section 2 being a non-standard 80-acre oil spacing and proration unit) and subject matter and the approval of one application would necessarily require denial of the other, one order should therefore be entered for both cases:
 - (a) the applicant in Case 11739, Yates, who is seeking to be named the operator of the proposed 80-acre non-standard oil spacing and proration unit is proposing to drill its Field "APK" State Com Well No. 2 (API No. 30-025-33792) at a standard oil well location 2390 feet from the North line and 640 feet from the East line in Lot 8 (Unit H) of said Section 2;
 - (b) the applicant in Case 11753, Amerind is also seeking to be named the operator of the proposed 80-acre non-standard oil spacing and proration unit is proposing to drill its State "AY" Com Well No. 1 at a standard oil well location 3661 feet from the North line and 660 feet from the East line in Lot 9 (Unit I) of said Section 2;
 - (c) Yates owns and represents 100 percent of the working interests in the oil and gas minerals from the surface to the base of the Strawn formation underlying Lot 8 of said Section 2;
 - (d) Amerind has control of 100 percent working interest ownership in the oil and gas minerals from the surface to the base of the Strawn formation underlying Lot 9 of said Section 2;
 - (e) at the time of the hearing Yates offered to resolve this matter by offering to split the proposed 80-acre unit into two non-standard 40-acre oil spacing and proration units in order to allow both Amerind and Yates the opportunity to drill their respective wells and develop its acreage accordingly;
 - (f) Amerind opposed Yates' suggestion for resolution in that such proposal would only lead to the drilling of unnecessary wells and the possible overdevelopment of the relatively small reservoir, which could result in waste; and.

9 8 .

- (g) the geological evidence and testimony presented by both parties supports Amerind's position in the possible overdevelopment of the subject reservoir with unnecessary wells; further, with the current drilling and completion activities for the Strawn formation in Lot 10 (directly offsetting Lot 9 to the west) and in Lot 16 (directly offsetting Lot 9 to the south), the development of the subject 80-acre tract with a well in Lot 9 would result in the grouping of three Strawn oil wells within a relatively small area; such concentration of wells would serve to promote overdevelopment of the reservoir; a well drilled in Lot 8 would serve to space these wells in a more orderly fashion with an adequate distance separating these wells; such spacing and placement of wells within this reservoir would serve to promote conservation, exhibits sound reservoir engineering principles, serves to avoid the drilling of unnecessary wells, prevents waste, and protects correlative rights;
- (14) Therefore, the application of Yates in Case No. 11739 should be granted and the application of Amerind in Case No. 11753 should be denied.
- (15) In order to afford to the owner of each interest within said 80-acre non-standard oil spacing and proration unit the opportunity to recover or receive without unnecessary expense his just and fair share of oil production in the Undesignated South Big Dog-Strawn Pool, the subject application should be approved by pooling all mineral interests, whatever they may be, within said unit.
- (16) Yates should be designated the operator of the subject unit and the proposed Field "APK" State Com Well No. 2 (API No. 30-025-33792) to be drilled at a standard oil well location 2390 feet from the North line and 640 feet from the East line in Lot 8 (Unit H) of said Section 2.
- (17) Any non-consenting working interest owner should be afforded the opportunity to pay his share of the estimated well costs to the operator in lieu of paying his share of reasonable well costs out of production.
- (18) Any non-consenting working interest owner who does not pay his share of estimated well costs should have withheld from production his share of the reasonable well costs plus an additional 200 percent thereof as a reasonable charge for the risk involved in the drilling of the well.
- (19) Any non-consenting interest owner should be afforded the opportunity to object to the actual well costs but actual well costs should be adopted as the reasonable well costs in the absence of such objection.

- (20) Following determination of reasonable well costs, any non-consenting working interest owner who has paid his share of estimated well costs should pay to the operator any amount that reasonable well costs exceed estimated well costs and should receive from the operator any amount that paid estimated well costs exceed reasonable well costs.
- \$5,400.00 per month while drilling and \$540.00 per month while producing should be fixed as reasonable charges for supervision (combined fixed rates); the operator should be authorized to withhold from production the proportionate share of such supervision charges attributable to each non-consenting working interest, and in addition thereto, the operator should be authorized to withhold from production the proportionate share of actual expenditures required for operating the subject well, not in excess of what are reasonable, attributable to each non-consenting working interest.
- (22) All proceeds from production from the subject well which are not disbursed for any reason should be placed in escrow to be paid to the true owner thereof upon demand and proof of ownership.
- (23) Upon the failure of the operator of said pooled unit to commence drilling of the subject well to which said unit is dedicated on or before August 20, 1997, that portion of this order pooling Lots 8 and 9 of said Section 2 should become null and void and of no effect whatsoever.
- (24) Should all the parties to this force-pooling reach voluntary agreement subsequent to entry of this order, the forced pooling provisions of this order should thereafter be of no further effect.
- (25) The operator of the well and unit should notify the Director of the Division in writing of the subsequent voluntary agreement of all parties subject to the force-pooling provisions of this order.

IT IS THEREFORE ORDERED THAT:

("Amerind"), for an order pooling all mineral interests from the surface to the base of the Strawn formation underlying Lots 8 and 9 of Section 2, Township 16 South, Range 35 East, NMPM, Lea County, New Mexico, thereby forming a non-standard 80-acre oil spacing and proration unit for any and all formations and/or pools developed on 80-acre spacing, which at the time of the hearing included only the Undesignated South Big Dog-Strawn Pool and dedicating said unit to its proposed State "AY" Com Well No. 1 to be

Order No. R-10803

Page 11

drilled and completed at a standard oil well location in Lot 9 (Unit I) of said Section 2, is hereby dismissed.

- (2) Case No. 11717, being the application of Amerind, for an order pooling all mineral interests from the surface to the base of the Strawn formation underlying Lots 7 and 10 of said Section 2, Township 16 South, Range 35 East, NMPM, Lea County, New Mexico, thereby forming a non-standard 80-acre oil spacing and proration unit for any and all formations and/or pools developed on 80-acre spacing, which at the time of the hearing included only the designated and Undesignated South Big Dog-Strawn Pool and dedicating said unit to its proposed State "AY" Com Well No. 2 to be drilled and completed at a standard oil well location in Lot 10 (Unit J) of said Section 2, is hereby dismissed.
- (3) UMC Petroleum Corporation ("UMC"), the applicant in Case No. 11741, is hereby authorized to establish an 80-acre non-standard oil spacing and proration unit in the Undesignated South Big Dog-Strawn Pool comprising Lots 16 and the NE/4 SE/4 of said Section 2 for its Townsend State Well No. 1 (API No. 30-025-33713), located at a standard oil well location 3526 feet from the South line and 727 feet from the East line (Unit P/Lot 16) of said Section 2.
- (4) Case No. 11740, being the application of Amerind Oil Company, Ltd. and Michael Shearn, for an order pooling all mineral interests from the surface to the base of the Strawn formation underlying Lots 9 and 16 of said Section 2, forming a standard 80-acre oil spacing and proration unit for any and all formations and/or pools developed on 80-acre spacing, which at the time of the hearing included only the Undesignated South Big Dog-Strawn Pool and dedicating said unit to the UMC Petroleum Corporation Townsend State Well No. 1 (API No. 30-025-33713) being drilled at the time of the hearing at a standard oil well location 3526 feet from the South line and 727 feet from the East line (Unit P/Lot 16) of said Section 2, is hereby dismissed.
- (5) The application of Amerind in Case No. 11753 for an order pooling all mineral interests from the surface to the base of the Strawn formation underlying Lots 8 and 9 of said Section 2, Township 16 South, Range 35 East, NMPM, Lea County, New Mexico, to form an 80-acre oil spacing and proration unit (that is non-standard) for any and all formations and/or pools developed on 80-acre spacing, which at the time of the hearing included only the Undesignated South Big Dog-Strawn Pool and dedicating said unit to its proposed State "AY" Com Well No. 1 to be drilled and completed at a standard oil well location in Lot 9 (Unit I) of said Section 2, is hereby denied.

Order No. R-10803

Page 12

IN CASE NO. 11739:

(6) All mineral interests, whatever they may be, from the surface to the base of the Strawn formation, underlying Lots 8 and 9 of said Section 2, are hereby pooled to form a non-standard 80-acre oil spacing and proration unit for any and all formations and/or pools developed on 80-acre spacing, which currently includes only the Undesignated South Big Dog-Strawn Pool. Said unit is to be dedicated to Yates Petroleum Corporation's ("Yates") proposed Field "APK" State Com Well No. 2 to be drilled and completed at a standard oil well location 2390 feet from the North line and 640 feet from the East line (Unit H/Lot 8) of said Section 2.

<u>FURTHER</u>, Yates is hereby designated the operator of the subject well and 80-acre non-standard oil spacing and proration unit

PROVIDED HOWEVER THAT, Yates shall commence the drilling of said Field "APK" State Com Well No. 2 on or before the twentieth day of August, 1997, and shall thereafter continue the drilling of said well with due diligence to a depth sufficient to test the Strawn formation.

PROVIDED FURTHER THAT, in the event Yates does not commence drilling operations on the Field "APK" State Com Well No. 2 on or before the twentieth day of August, 1997, Decretory Paragraph No. (6) of this order shall be null and void and of no effect whatsoever, unless said operator obtains a time extension from the Division for good cause shown.

PROVIDED FURTHER THAT, should said well not be drilled to completion, or abandoned, within 120 days after commencement thereof, said operator shall appear before the Division Director and show cause why Decretory Paragraph No. (6) of this order should not be rescinded.

- (7) After the effective date of this order and within 90 days prior to commencing said well, the operator shall furnish the Division and each known working interest owner in the subject unit an itemized schedule of estimated well costs.
- (8) Within 30 days from the date the schedule of estimated well costs is furnished to him, any non-consenting working interest owner shall have the right to pay his share of estimated well costs to the operator in lieu of paying his share of reasonable well costs out of production, and any such owner who pays his share of estimated well costs as provided above shall remain liable for operating costs but shall not be liable for risk charges.

Order No. R-10803

Page 13

(9) The operator shall furnish the Division and each known working interest owner an itemized schedule of actual well costs within 90 days following completion of the well; if no objection to the actual well costs is received by the Division and the Division has not objected within 45 days following receipt of said schedule, the actual well costs shall be the reasonable well costs; provided however, if there is an objection to actual well costs within said 45-day period the Division will determine reasonable well costs after public notice and hearing.

- (10) Within 60 days following determination of reasonable well costs, any non-consenting working interest owner who has paid his share of estimated costs in advance as provided above shall pay to the operator his pro rata share of the amount that reasonable well costs exceed estimated well costs and shall receive from the operator his pro rata share of the amount that estimated well costs exceed reasonable well costs.
- (11) The operator is hereby authorized to withhold the following costs and charges from production:
 - (A) The pro rata share of reasonable well costs attributable to each non-consenting working interest owner who has not paid his share of estimated well costs within 30 days from the date the schedule of estimated well costs is furnished to him; and
 - (B) As a charge for the risk involved in the drilling of the well, 200 percent of the pro rata share of reasonable well costs attributable to each non-consenting working interest owner who has not paid his share of estimated well costs within 30 days from the date the schedule of estimated well costs is furnished to him.
- (12) The operator shall distribute said costs and charges withheld from production to the parties who advanced the well costs.
- (13) \$5,400.00 per month while drilling and \$540.00 per month while producing are hereby fixed as reasonable charges for supervision (combined fixed rates); the operator is hereby authorized to withhold from production the proportionate share of such supervision charges attributable to each non-consenting working interest, and in addition thereto, the operator is hereby authorized to withhold from production the proportionate

Order No. R-10803

Page 14

share of actual expenditures required for operating such well, not in excess of what are reasonable, attributable to each non-consenting working interest.

- (14) Any unleased mineral interest shall be considered a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest for the purpose of allocating costs and charges under the terms of this order.
- (15) Any well costs or charges which are to be paid out of production shall be withheld only from the working interest's share of production, and no costs or charges shall be withheld from production attributable to royalty interests.
- (16) All proceeds from production from the subject well which are not disbursed for any reason shall be placed in escrow in Lea County, New Mexico, to be paid to the true owner thereof upon demand and proof of ownership; the operator shall notify the Division of the name and address of said escrow agent within 30 days from the date of first deposit with said escrow agent.
- (17) Should all the parties to this force-pooling reach voluntary agreement subsequent to entry of this order, the force pooling provisions of this order shall thereafter be of no further effect.
- (18) The operator of the subject well and unit shall notify the Director of the Division in writing of the subsequent voluntary agreement of all parties subject to the force-pooling provisions of this order.
- (19) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM JEMAY

Director

SEAL

Submit to Appropriate District Office State Lease — 6 copies Fee Lease — 5 copies DISTRICT I

State of New Mexico Energy, Minerais and Natural Resources Department

Form C-105 Revised 1-1-89

Fee Lease - 5 copies DISTRICT I P.O. Box 1980, Hobbs, i	.D. 1 88240	OIL CON	SERVATIO	N DIVIS	ION W	ELL API NO. 30-025-3	2/, 15.0		
•	VM 88240		P.O. Box 208		H.	. Indicate Type			
DISTRICT II P.O. Drawer DD, Artesia	L NIM 88210	Santa F	e, New Mexico	87504-2088	_		STATE	XX FEE [
DISTRICT III 1000 Rio Brazos Rd., Az	zec, NM 87410					E-8266	ias Lesse No.		
WELL C	OMPLETION O	R RECOMPL	ETION REPOR	T AND LOG					
OIL WELL X			<u> </u>			. Lease Name	or Unit Agreeme	x Name	
. —			OTREK						
b. Type of Completion: NEW WORK WELL X OVER	DESIFEN	PLUG BACK	DETP RESVR OTHER			[ownsend	State		
2. Name of Operator			,	· · ·		R. Well No.			
3. Address of Operator	um Corporati	.011	· · · · · · · · · · · · · · · · · · ·			9. Pool name o			
•		1400, Den	ver, Colorad	o 80202			g Strawn	South	
4. Well Location					<u></u>				
Unit Letter _	<u>W</u> : <u>330</u>	_ Feet From The	South	Line and	1650	Feet Fro	The Eas	t Line	
Section	2	Township	16S Ra	35E	ND/	IPM	Lea	County	
10. Date Spudded	11. Date T.D. Reache	d 12. Date	Compt. (Ready to Pro	ed.) 13. E	levations (DF	RKB, RT, GR		ev. Casinghead	
10/22/97	12/23/97		20/98		GR 3981'				
15. Total Depth 11340	16. Plug Back	T.D.	17. If Multiple Com Many Zones?	opi. How	18. Intervals Drilled By	Rotary Tools	Cable	Tools	
19. Producing interval(s)	of this completion -	Ton Bottom Na	De		•	A11). Was Directions	Summy Made	
	•	. •	not complete	ed in zone	.)	*	Yes	day was	
21. Type Electric and Ot						22. Was Well	Cored		
Logs will b	e run on pos	ssible wel	<u>l re-entry i</u>	n future.			NO	· · · · · · · · · · · · · · · · · · ·	
23.		CASING	RECORD (Re	port all strip	ngs set in v	veil)			
CASING SIZE	WEIGHT LB		PIH SET	HOLE SIZE	CEN	MENTING RE	CORD	AMOUNT PULLED	
13-3/8"	48#			17-1/2"		sx "C"	·	None	
_8-5/8''	32#		55'	12-1/4"	2200	sx "C"		None	
5-1/2''	<u>17#</u>		08'	7-7/8"	200	sx "H"		10020'	
									
24.		LINER REC	ORD		25.	TUE	SING RECOR	D	
SIZE	TOP	BOTTOM	SACKS CEMEN	T SCREE				TH SET PACKER SET	
						NA	NA.	NA	
n Porfession									
	ord (interval, size	, and number)			ID, SHOT, INTERVAL			OUEEZE, ETC. IATERIAL USED	
Zone not co	mpleted			DEFIR	MIERVAL	AMOUN	II AND KENDIN	MILIAL USLD	
* Well not 10	ogged Tops a	re esimate	d.						
	8864 441			703:					
28. Date First Production		Destruction Mathew	PRODUCT (Flowing, gas lift, pu		\		Well States (F	rod. or Shut-in)	
		IOMEDICA IVIOLACIA	ti madi ta thi ba	suborth - 2005 ento	(ype peop)		SHUT-IN		
Date of Test	Hours Tested	Choke Size	Prod's For Test Period	Oil - Bbl.	Gas - M	CF W	ster - Bbl.	Gas - Oil Ratio	
Flow Tubing Press.	Casing Pressure	Calculated Hour Rate	24- Oil - Bbl.	Gas - M	CF W	ter - Bbl.	Oil Gravity -	API - (Corr.)	
29. Disposition of Gas (Sold, used for fuel, ve	wed, etc.)				Test Wi	tnessed By		
30. List Attachments									
	report previ			ll shut-ir				 	
31. I hereby certify the	•		•	•		of my knowle	age and belief		
	1	- WAA	Printed Scott	+ Μ 1.7∝1∟1-		Regula Coordi	tory	- 2///00	
Signature		VL	Name Scott	ı m. webb	Ti	Coordi	пациг	Date 2/4/98	

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

	Southeastern	n New Mexico		Northwestern New Mexico					
Anhy	 	T. Canyon 11076		o Alamo		T. Penn. "B"			
Salt		- T. Strawn11447	* T. Ki			T. Penn. "C"			
Salt		_ T. Atoka	T. Pi	tured Cliff	s	T. Penn. "D"			
Yates 283	0 ' *	_ T. Miss	T. CI	iff House _		T. Leadville			
7 Rivers	·———	T. Devonian	T. M	enefee		T. Madison			
Queen36.7	0' *	_ T. Silurian	T. Po	int Lookou	t	T. Elbert			
Grayburg		T. Montoya	Т. М	ancos		T. McCracken			
San Andres 4	<u>400' * </u>	_ T. Simpson	T. Ga	ıllup		T. Ignacio Otzte			
	6070' *	T. McKee	Base	Greenhorn.		T. Granite			
Paddock		T. Ellenburger	T. D:	kota		T			
Blinebry		_ T. Gr. Wash	T. M	orrison		T			
Tubb						T			
Drinkard		_ T. Bone Springs	T. Er	itrada		T			
	750 ' *	_ T	T. W	ingate		T			
Wolfcamp 9		_ T	T. C	ninle		T			
Penn		_ T	T. Pe	rmain		T			
Cisco (Bough (J	_ T	T. Pe	nn "A"		T			
o. 2, from	te of water infl	ow and elevation to whichto	NITANT WATI	o. 4, from ER SAND ble.)S feet	to			
clude data on ra o. 1, from o. 2, from o. 3, from	te of water infl	to	Water rose in h	o. 4, from ER SAND ble.	feetfeetfeetfeetfeetfeet				
o. 2, from	te of water infl	importion to which to	Water rose in h	o. 4, from ER SAND ble. additiona)S feet feet				

Submit 3 Copies to Appropriate District Office

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103 Revised 1-1-89

P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION 310 Old Santa Fe Trail, Room 206

WELL API NO. 30-025-34150

DISTRICT II Santa Fe. New Mexico 87503 P.O. Drawer DD, Artesia, NM 88210 5. Indicate Type of Lease STATE X FEE DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410 6. State Oil & Gas Lease No. E-8266 SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) Townsend State 1. Type of Well: GAS T XX XX 2. Name of Operator 1. Well No. UMC Petroleum Corporation 3. Address of Operator 9. Pool name or Wildon 410 17th Street, Suite 1400, Denver, CO Big Dog Strawn South 1650' : 330 Peet From The ____ South Feet From The 35E 16S Lea Township **NMPM** Range County 10. Elevation (Show whether DF, RKB, RT, GR, etc.) GR 3981' Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING TEMPORARILY ABANDON **CHANGE PLANS** COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT **PULL OR ALTER CASING** CASING TEST AND CEMENT JOB 12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103. TD: 11,340' Spud Date: 10/22/97 Drill Completion Date: 1/20/98 Casing in well: 10/24/97 13-3/8" @ 400'. 48# cemented to surface with 415 sx class "C". Surface: 17-1/2" hole, 5 centralizers every other joint. WOC 18 hours. Intermediate: 11/4/97 8-5/8" @ 4755', 32# cemented to surface with 2200 sx class "C". 12-1/4" hole, 10 centralizers, 5' above shoe, then everyother joint from 2-18. WOG 6 hours. Production: 12/15/97 5-1/2" @ 11308'. 17# cemented with 200 sx class "H". 7-7/8" hole. Casing cut-off @ 10020'. 1288' left cemented in hole, 10020' pulled. No oil or gas was produced from this well. Requesting to TA well for evaluation to sidetrack well in Strawn Zone. Encountered problems downhole with original bore. Will re-apply to plug back and directionally drill into Strawn. I hereby certify that the information above is true and complete to the best of my imowindge and belief. Regulatory Coordinator SPONATION .

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

DISTRICT 1 SUPERVISOR

FE3 65 1998

CONDITIONS OF APPROVAL, IF ANY:

Townsend State #4

LOCATION **LEASE & WELL** Sec. 2, 16S, 35E (Give Unit, Section, Township and Range)

Lea County, New Mexico

OPERATOR

UMC 410 17th Street, Suite 1400, Denver, Colorado 80202

DRILLING CONTRACTOR

NABORS DRILLING USA, INC.

The Undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DE	PTH	DEGREES @ DI	EPTH	DEGREES @ D	EPTH	DEGREES @ DEPTH
1	150	1	4030	3/4	10180	
1	400	1	4187	1/2	10312	
3/4	890	1	4721			
3/4	1391	1	5210			<u></u>
1	1768	1	5709			
1 1/2	2237	1	6187		·	
1/2	2363	3/4	6658			
1 3/4	2836	1/4	7153			
1 3/4	2950	1	7573			
1 3/4	2962	1/4	8012			
1 1/4	3245	1/2	8455	···		
2	3527	1	8740			
1	3653	1/4	8991	 		
2 1/4	3810	1/4	9271			
1 1/4	3935	1/2	9431	·		
•			,			

Drilling Contractor Nabors Drilling USA, Inc. By Brent Sanders, Engineering Manager

Subscribed and sworn to before me this

Notary Public

MIDLAND

County

TEXAS

My Commision Expires

State of New Mexico

Form C-103

to Appropriate District Office	Energy, Minerals and Natural Resources Department	Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATION DIVISION 2040 Pacheco St.	WELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, NM 87505	30-025-34150 5. Indicate Type of Lesse
DISTRICTIII		STATE X FEE
1000 Rio Brazos Rd., Aztec, NM 87410		6. State Oil & Gas Lesse No. E-8266
	CES AND REPORTS ON WELLS PROSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	
DIFFERENT RESER	RVOIR. USE "APPLICATION FOR PERMIT" -101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name
1. Type of Well:	Total Control Control	TOWNSEND STATE
OIL X GAS WELL 2. Name of Operator	OTHER	8. Well No.
UMC PETROLEUM CORPORA	TION	4
3. Address of Operator 410 17th STREET, SUIT	E 1400 DENVER COLORADO 80202	9. Pool name or Wildcat BIG DOG STRAWN - SOUTH
4. Well Location	·	- L
Unit Letter W: 330'	Feet From The South Line and 1650	Feet From The East Line
Section 2	Township 16 South Range 35 East	NMPM LEA CO. County
	10. Elevation (Show whether DF, RKB, RT, GR, etc.)	981' GR.
•	Appropriate Box to Indicate Nature of Notice, R	· · · · · · · · · · · · · · · · · · ·
NOTICE OF INT	ENTION TO: SUB	SSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS COMMENCE DRILLING	G OPNS. PLUG AND ABANDONMENT
PULL OR ALTER CASING	CASING TEST AND C	EMENT JOB
OTHER: MOVE LOCATION	OTHER:	
	tions (Clearly state all pertinent details, and give pertinent dates, inclu	eding estimated date of starting any proposed
work) SEE RULE 1103.		
1. UMC Petroleum Corpo	ration requests the approval to move t FSL & 1500' FEL Section $\#$ 2 T16S-R35E	the location of Townsend State Lea Co. to 330' FSL & 1650' FEL
Section 2 Tl6S-R35E		200 00, 20 000 101 1
2. An undesirable topo	graphic condition exists at the origin	nal location.
2. In discourance top-	9-41	
	•	
I handay antifu that the familia shows a sure	e and complete to the best of my knowledge and belief.	
$(A_{\alpha}Y)$	ten ca mue Agent	DATE 10/14/97
SKONATURE JOE T. Jani		
TYPE OR PRINT NAME JOE 1. Jan 1	···	TELEPHONE NO. 10/14/97
(This space for State Use)	> 	nct 14 1997
APPROVED BY	Sahly mu Geo	logist DATE
CONDITIONS OF APPROVAL, IF ANY:		-3.21

DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD. Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

DISTRICT IV

DISTRICT III

P.O. Box 2088, Santa Fe, NM 87504-2088

1000 Rio Brazos Rd., Astec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name			
	96690	BIG DOG STRAWN SOUTH			
Property Code		Well Number			
20032	TOWI	TOWNSEND STATE			
OGRID No.	(Elevation			
23645	UMC PETF	Operator Name UMC PETROLEUM CORPORATION			

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 23	2	16 S	35 E		330	SOUTH	1650	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			Consolidation (Code Or	der No.	•			•
80	1	1		Ì					

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

LOT 4 49.80 ACRES	LOT 3 50.13 ACRES	LOT 2 50.45 ACRES	LOT 1 50.78 ACRES
LOT 5 40 ACRES	LOT 6 40 ACRES	LOT 7 1 40 ACRES	LOT 8 40 ACRES
LOT 12 I 40 I ACRES I	LOT 11 40 ACRES	LOT 10 40 1 ACRES	LOT 9 40 ACRES
LOT 13 40 ACRES	LOT 14 40 ACRES	LOT 15 40 ACRES	LOT 16 40 ACRES
			-1650'

SCALE: 1"=2000'

OPERATOR CERTIFICATION

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

ignature

Joe T. Jánica

Printed Name

Agent

Title 10/14/97

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 supervison, and that the same is true and correct to the best of my belief.

OCTOBER 8, 1997

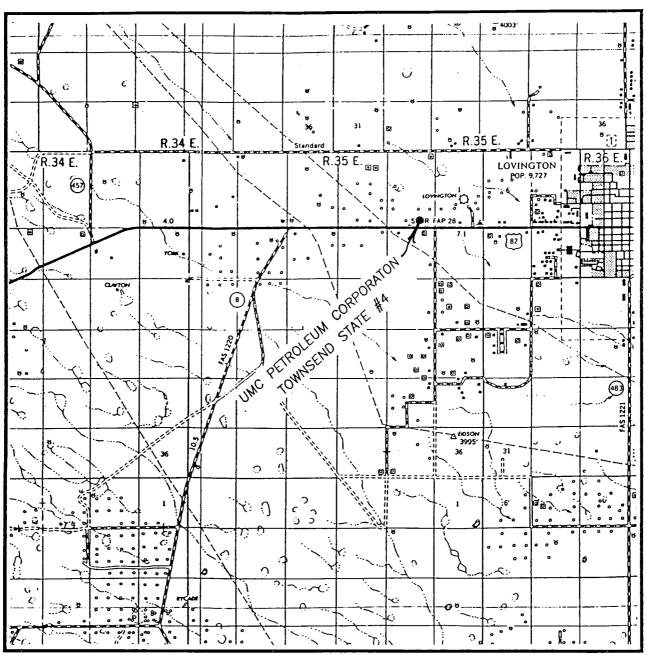
JLP

Date Surrey J. E. Signature Processional Surreyor.

W.O. Wun-97-1:1-2:645

Certificate No. John WEWEST, 676

VICINITY MAP

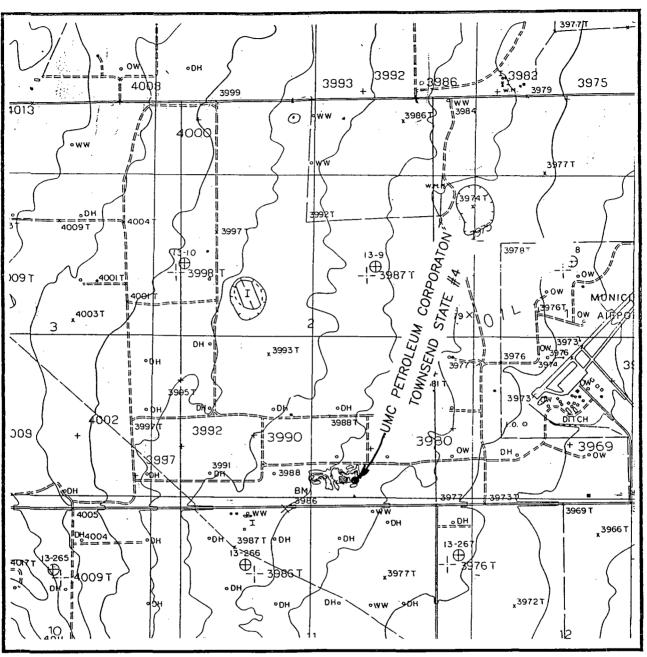


SCALE: 1" = 2 MILES

SEC2 TWP.	<u>16-S</u> RGE.	35-E
SURVEY	N.M.P.M.	
COUNTY	<u>LEA</u>	·
DESCRIPTION 3	30' FSL &	1650' FEL
ELEVATION	3981'	
OPERATOR_UMC	PETROLEUI	M CORPORATOR
LEASE	TOWNSEN	ID STATE



LOCATION VERIFICATION MAP



SCALE: 1'' = 2000'

CONTOUR INTERVAL -

5'

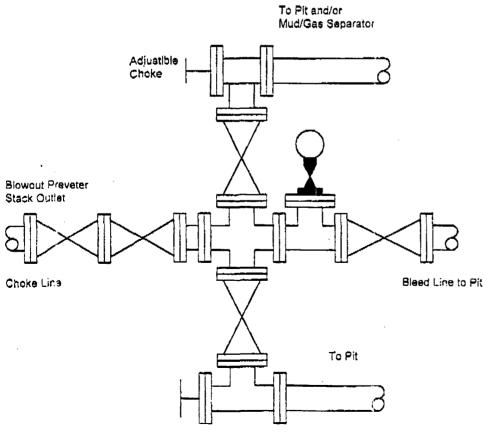
SEC. 2 TWP. 16-S RGE. 35-E
SURVEYN.M.P.M.
COUNTYLEA
DESCRIPTION 330' FSL & 1650' FEL
ELEVATION 3981'
OPERATOR UMC PETROLEUM CORPORATON
LEASE TOWNSEND STATE
U.S.G.S. TOPOGRAPHIC MAP
LOVINGTON NW, N.M.



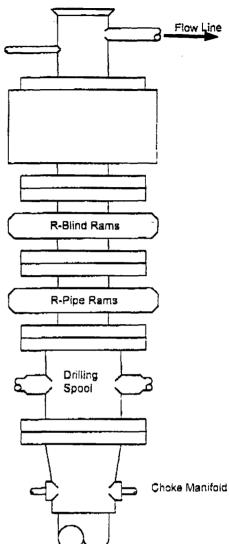
BLOWOUT PREVENTER SYSTEM

Fill Line

Choke Manifold Assembly for 3M WP System



Adjustible Choke



Type 900 Series 3000 psi WP

Permit Expires 1 Date Unics. Dilling Underway

PO Box 1980, Hobbs, NM 88241-1980 District II

PO Drawer DD, Artesu. NM \$8211-0719

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

District III

PO Box 2088, Santa Fe. NM 87504-2088

State of New Mexico Energy, Minerais & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088

Form C-101 Revised February 10, 1994 instructions on back Submit to Appropriate District Office

State Lease - 6 Copies Fee Lease - 5 Copies

DED REPOR	Γ

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

UMC Petrol	OGRID Number 23654	
410 17th S Denver, Co	* API Number 30 - 0 25 - 34150	
* Property Code	¹ Property Name	' Well No.
20032	Townsend State	4

⁷ Surface Location

,										
١	UL or lot so.	Section	Township	Range	Lot ida	Feet from the	North/South time	Feet from the	East/West time	County
	W (23)	2	16S	35E		400	South	1500	East	Lea

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot so.	Section	Towaship	Range	Lot ida	Feet from the	North/South line	Feet from the	East/West line	Сочису
	* Preposed Poel 1					" Proposed Poet 2			
Strawn (Big Dog South) #96690						Wolfcamp			

	" Work Type Code	" Well Type Code	19 Cable/Rotary	" Lesse Type Code	14 Ground Level Elevation
	N	0	R	State	3982'
1	10 Multiple	17 Proposed Depth	" Formation	1° Contractor	³⁸ Speci Date
	NO	11,900'	Strawn		Upon Approval

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Coment	Estimated TOC
17-1/2"	13-3/8"	48#	400'	400	Surf.
12-1/4"	8-5/8"	32#	4800'	1950	Surf.
7-7/8"	5-1/2"	17#	11,900'	850	7600'

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

UMC Petroleum Corporation proposes to drill and complete the well into the Strawn Formation. If the zone is economically productive, it will be completed for production. If that zone is non-productive, the Wolfcamp zone up-hole will be tested. If the well is non-productive, it will be plugged and abandoned according to Commission instructions. The site will be re-seeded and re-claimed.

Blowout preventer, 12" 3000# type "E" double ram. 12" 3000# GK, BOP Program: 180 gallon five station electric, 4" 3000# manifold.

28 I hereby certify that the information gives of any impowledge and belief.	above is true and complete to the bes	OIL CONSERVATION DIVISION			
Signature: J -	- LM	Approved by: full of Rains			
Scott M. Webb		Tale: Geologist //			
Tide: Regulatory Cod	ordinator	Approval Date: 1007 - 8 1997 Expiration Date:			
Date: 7/31/97	(303) 573-4721	Conditions of Approval: Attached			

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 67504-2088

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			
30-025-3415	96690	96690 Strawn (South Big Dog)			
Property Code	P	roperty Name	Well Number		
20032	TOWNS	TOWNSEND STATE			
OGRID No.	0	perator Name	Elevation		
23654	UMC PETROLE	IUM CORPORATION	3982		

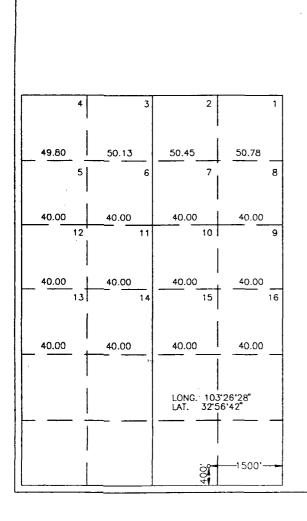
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
W	2	16 S	35 E	23	400	SOUTH	1500	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 Acre		or Infill Co	nsolidation	Code Or	der No.	-3870	<u> </u>		

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.

Signature

Scott M. Webb

Printed Name

Regulatory Coordinator

(303) 573-4721

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 supervisor, and that the same is true and correct to the best of my belief.

JULY 24, 1997

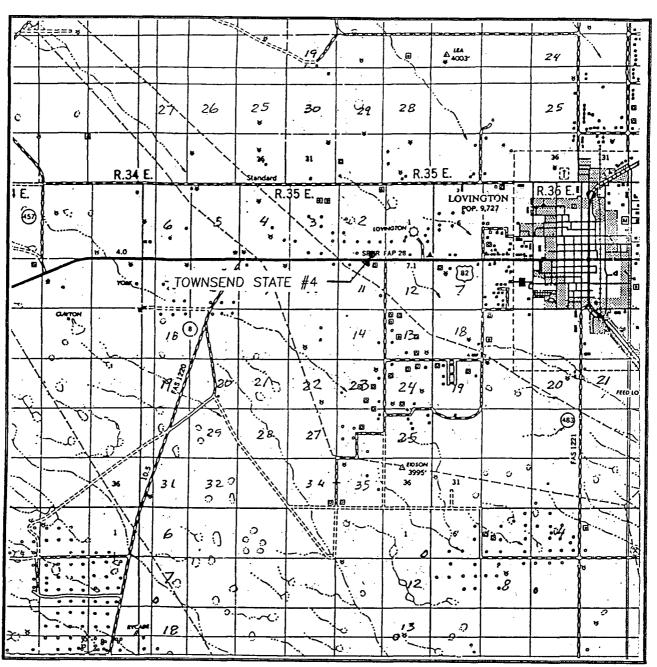
Date Surveyed William Branch Professional Surveyor

DMCC

Certaficate No. JOHN WESTERN TO CROPESSAN ERSON

3239 12641

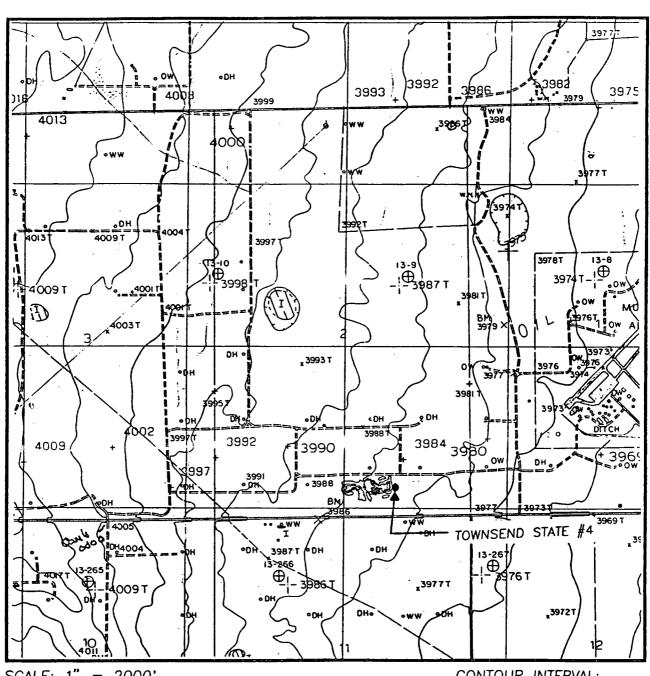
VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 2 T	WP. <u>16-S</u> RGE. <u>35-E</u>
SURVEY	N.M.P.M.
COUNTY	LEA
DESCRIPTION	400' FSL & 1500' FEL
ELEVATION	3982
OPERATOR	UMC PETROLEUM CORPORATION
LEASE	TOWNSEND STATE

LOCATION VERIFICATION MAP



SCALE: 1'' = 2000'

LOVINGTON NW, N.M.

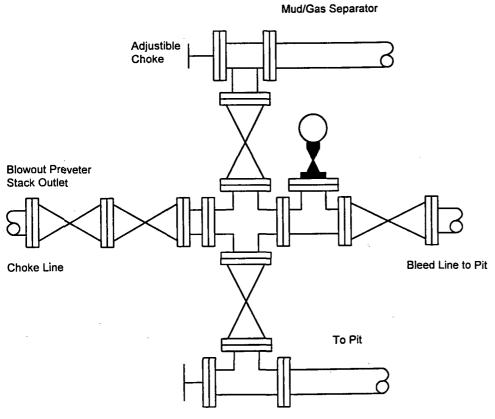
CONTOUR INTERVAL: LOVINGTON NW - 5'

SEC. <u>2</u>	TWP.	16-S	RGE	E. <u>35−l</u>	
SURVEY_		N.M.I	Р.М.		
COUNTY_		LE	Α		
DESCRIP	TION <u>40</u>	0' FSL	<u>&</u>	1500'	FEL
ELEVATIO		_	3982		
OPERATO	_	JMC PE			
LEASE					
U.S.G.S.	TOPOGI	RAPHIC	MA	Р	

BLOWOUT PREVENTER SYSTEM

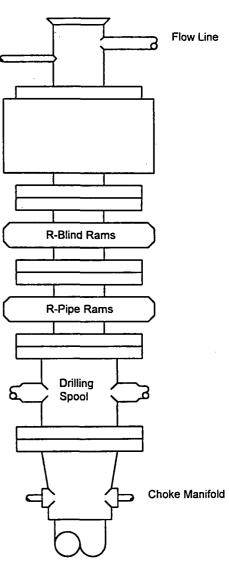
Fill Line

Choke Manifold Assembly for 3M WP System



Adjustible Choke

To Pit and/or



Type 900 Series 3000 psi WP

WRS COMPLETION REPORT COMPLETIONS SEC 2 TWP 16: 30-T-0024 04/03/98 30-025-34150-0000 35E 16S RGE PAGE 330FSL 1650FEL SEC **NMEX** LEA STATE COUNTY FOOTAGE UMC PET D WELL CLASS INIT ****FIN ***** OPERATOR ** TOWNSEND STATE WELL NO. ********* BIG DOG S 3982GR FIELD/POOL/AREA OPER ELEV ** API 30-025-34150-0000 EASE NO. PERMIT OR WELL I.D. NO. VERT 10/22/1997 01/20/1998 ROTARY NABORS DRLG USA 973 11900 STRAWN DTD 11340 FM/TD STRAWN LOCATION DESCRIPTION IRREG SEC 12 MI NE BUCKEYE, NM WELL IDENTIFICATION/CHANGES FTG CHGD FROM 400 FSL 1500 FEL OF SEC CASING/LINER DATA CSG 13 3/8 @ 400 W/ 415 SACKS CSG 8 5/8 @ 4755 W/ 2200 SACKS CSG 5 1/2 @11308 W/ 200 SACKS CUT OFF & PLD 10200 FT 5 1/2 CSG **TYPE** FORMATION LTH TOP DEPTH/SUB BSE DEPTH/SUB SPL 2830 1152 YATES 312 3670 SPL QUEEN SPL SPL ŠN ANDRS 4400 -418GLORIETA 6070 -2088SPL 7242 TUBB -32608750 9800 -4768 -5818 ABO SPL SPL WOLFCAMP SPL CANYON 11076 -7094 SUBSEA MEASUREMENTS FROM GR DRILLING PROBLEMS

CONTINUED IC# 300257056397



HAD PROBLEMS W/ORIGINAL WELLBORE, MAY SDTK LATER

Petroleum Information/ Dwights LLC

```
COMPLETIONS 30-T-0024 04/03/98 SEC 2 TWP 16S RGE 35E 30-T-0024 04/03/98 30-025-34150-0000 PAGE

UMC PET D D D

4 TOWNSEND STATE

PLUGGING RECORD /INTERVAL PLUGGED CEMENT/
WELL NOT PLGD TO SURF

DRILLING PROGRESS DETAILS

UMC PET 410 17TH ST STE 1400 DENVER, CO 80202 303-573-4721
10/02 LOC/1997/
10/25 400 TD, WOC 11/05 4755 TD, WOC 11/05 4755 TD, WOC 12/14 11340 TD, HOLDING FOR DATA 02/12 NO OILOR GAS PRODUCED 03/27 NO COMP WORK ATTEMPTED. OPER MAY RE-ENTER HOLE FOR REMEDIAL ST AT A LATER DATE TD REACHED 12/12/97
03/27 11340 TD COMP 1/20/98, D&A NO CORES OR DSTS RPTD
```