

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON Governor Betty Rivera Cabinet Secretary

February 19, 2002

Lori Wrotenbery Director Oil Conservation Division

Murchison Oil & Gas, Inc. 1100 Mira Vista Blvd. Plano, Texas 75093-4698 Attention: Michael S. Daugherty Telefax No. (972) 931-0701

Administrative Order NSL-4702

Dear Mr. Daugherty:

Reference is made to the following: (i) your application (*application reference No. pKRV0-203654132*) submitted to the New Mexico Oil Conservation Division ("Division") on January 31, 2002; (ii) the Division's initial response by letter from Mr. Michael E. Stogner, Engineer/Chief Hearing Officer in Santa Fe dated February 8, 2002 with a question regarding notification; (iii) your telefaxed response of February 19, 2002 with the necessary information to complete this application; and (iv) the Division's records in Santa Fe and Artesia: all concerning Murchison Oil & Gas, Inc.'s request for an unorthodox Wolfcamp oil well location for its High Mesa State Com. Well No. 1 (API No. 30-015-31720), which was recently drilled to test both the Undesignated North Empire-Atoka Gas Pool and Undesignated South Empire-Morrow Gas Pool underlying a standard 318.64-acre stand-up gas spacing and proration unit comprising Lots 1 and 2, the S/2 NE/4 and the SE/4 (E/2 equivalent) of irregular Section 2, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico. Pursuant to Division Rule 104.C (2) (a), revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999, the well's location, being 1320 feet from the South line and 1000 feet from the East line (Unit P) of irregular Section 2, is considered to be "standard" for this unit.

This application has been duly filed under the provisions of Division Rule 104.F, as revised.

It is the Division's understanding after reviewing your application and its records that this well was permitted by Murchison only as a Morrow gas test within the aforementioned 318.64-acre unit (see the "Application for Permit to Drill" dated April 16, 2001); the well was subsequently spud on June 15, 2001, drilled to a total depth of 10,436 feet, whereby the Morrow test is described as "not successful." The shallower Atoka interval was subsequently tested and completed on October 5, 2001. However, this production is considered to be marginal and Murchison now intends to recomplete up-hole into the Wolfcamp formation (to be within the governing limits of the proposed North Anderson-Wolfcamp Pool) with perforations from 7,510 feet to 7,524 feet. Pursuant to Division Rule 104.B (1), as revised, this Wolfcamp oil location is considered to be "unorthodox" for the standard 40-acre oil spacing and proration unit to be dedicated to this well comprising the SE/4 (Unit P) of irregular Section 2.

Administrative Order NSL-4702 Murchison Oil & Gas, Inc. February 19, 2002 Page 2

By the authority granted me under the provision of Division Rule 104.F (2), as revised, the above-described unorthodox Wolfcamp oil well location is hereby approved.

<u>PLEASE NOTE HOWEVER THAT IN THE FUTURE</u>, Murchison, as a prudent operator, shall take all necessary steps to locate wells at a location considered to be standard for all possible zones to be encountered and should be more cognizant of well location requirements for different producing horizons within the immediate area of operations. Any future disregard to the Division's well spacing rules with respect to secondary intervals may subject all such future requests to the Division's hearing process.

Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,

Lori Wrotenbery Director

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cc: New Mexico Oil Conservation Division - Artesia

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Submit 3 Copies To Appropriate District	State of New M	Aexico JAM	8 0 2004	Form C-103
District I En	ergy, Minerals and Na	itural Resources	ARTESIA	Revised March 25, 1999
Distanting 11			30-015-3217	6 .
1301 W. Grand Avenue, Artesia, NM 88210	IL CONSERVATIO		5. Indicate Type	
<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. F		STATE [
District IV 1220 S. St. Francis Dr., Santa Fc, NM 87505	Santa Fe, NM	87505		Gas Lease No.
SUNDRY NOTICES AN	ID REPORTS ON WEL	1.8	E-978	2 or Unit Agreement Nam
(DO NOT USE THIS FORM FOR PROPOSALS TO DIFFERENT RESERVOIR. USE "APPLICATION I PROPOSALS.) 1. Type of Well:	DRILL OR TO DEEPEN OR FOR PERMIT" (FORM C-101	PLUG BACK TO A	HUGGIE BEA	
Oil Well Gas Well 🔽 2. Name of Operator	Other		8. Well No.	
MURCHISON	NOIL & GAS, INC.	· · · · · · · · · · · · · · · · · · ·		1
3. Address of Operator 1100 MIRA V	ISTA BLVD., PLANO	, TX. 75093-4698	9. Pool name o CROW FLATS	
4. Well Location				
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	6741'-6641' w/47 S			•
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Plug #7	254' - 160' w/ 50 S	XS Class "C"	*	
	, Tag top of cement @ 0' - 64' w/ 30 \$) 95' SXS Class "C"		
	late 3 SXS to surface			
Nipple down BOP and cut off we		P&A marker. Rele	ase rig 0200 Hr. 4	/30/03. Wellbore
schematic attached.		·		
I hereby certify that the information above	Fis true and complete to	the best of my knowle	cdge and belief.	
SIGNATURE	and leity TIT	LE VICE PRESIDE	ENT OPERATION	S DATE 5/12/03
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District II	ue, Artesia, NM 88210	J	il Conservation		-	30-015 5. Indicate Typ			
District III 1000 Rio Brazos Rd.,		12	220 South St. Fr			STATE	X FEI	E	
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505						State Oil & Gas	Lease No.	E-9782	
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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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeast	em new Mexico	Northwes	stern New Mexico					
T. Anhy	_ T. Canyon <u>8591</u>	T. Ojo Alamo	T. Penn. "B"					
T. Salt	T. Strawn 9178	T. Kirtland-Fruitland						
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T. Yates		T. Cliff House	T. Leadville					
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison					
T. Queen1347	T. Silurian	T. Point Lookout						
T. Grayburg 1601	T. Montoya	T. Mancos						
T. San Andres 2142	T. Simpson	T. Gallup						
T. Glorieta 3526	T. McKee		T. Granite					
T. Paddock								
T. Blinebry			T					
T.Tubb 4884	T. Delaware Sand	T.Todilto	T					
T. Drinkard	T. Bone Springs	T. Entrada						
T. Abo 5590	T	T. Wingate	<u> </u>					
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5560	6800	1240	DOLOMITE, ANHYDRITE & SHAL	E				
6800	9820	3020	LIME, DOLOMITE & SHALE					
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-			SHALE					
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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary Lori Wrotenbery Director Oil Conservation Division

GEOLOGICAL TOPS

Murchison Oil & Gas, Inc. Huggie Bear State Com. #1 Unit H, Sec. 2, T-17-S R-28-E 1420'FNL & 990' FEL (G.L.-3576'; K.B.-3598') Eddy Co., N.M. 30-015-32176

Geological Tops per/Bryan G. Arrant-OCD

Bowers	1150'
Queen	1347'
Grayburg	1601'
San Andres	2142'
Glorieta	3526'
Tubb	4884'
Abo	5590'
Wolfcamp	6748'
Pennsylvanian	8082'
Canyon	8591'
Strawn	9192'
Atoka	9648'
Chester	10088'

MURCHISON OIL & GAS INC 12-May-03 HUGGIE BEAR ST #1 SEC 2 T-175 R-28E 12-May-03 1420 FIL & 980 FEL EDDY COUNTY NEW MEXICO 30- 0/5 - 3 8/1 7 /2 64' CMT PLUG @ SURFACE 130- 0/5 - 3 8/1 7 /2 64' CMT PLUG @ SURFACE 159' CMT PLUG @ SURFACE 153'8'' 68 #/FT 3-55 BUTT @ 210' 159' CMT PLUG @ 254' TO 95'. 9-5/8'' 43.5 #/FT P-110 LT&C SET @ 2170' 115' CMT PLUG @ 2235' TO 2160' 159' CMT PLUG @ 2235' TO 2160' YESO TOP @ 3690' 100' CMT PLUG @ 3704' TO 3604' ABO TOP @ 5590' 100' CMT PLUG @ 5591' TO 5491'. WOLFCAMP TOP @ 6748' 100' CMT PLUG @ 10020' TO 9060' STRAWN TOP @ 10008' 100' CMT PLUG @ 1002' TO 9920' WELL TO 10418' 100' CMT PLUG @ 1002' TO 9920'		
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(This space for State user) APPPROVED BY	Type or print name MICHAERS. DAUCHERTY	Telephone No. (972) 931-0700
APPPROVED BY		

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34567897077	
Submit 3 Copies To Appropriate District	Form C-1 Revised March 25, 19
Office <u>District 1</u> 1625 N. French Dr., Hope NM 882441 2003 Energy Vinerals and Natural Resources Gistrict II District II PECEIVED OIL	WELL API NO. 30-015-32176
District II 1301 W. Grand Avenue District III District IIII District III District	5. Indicate Type of Lease
The bound of the second of the	STATE FEE
1220 S. St. Francis Dr., Santa & NM 87505	6. State Oil & Gas Lease No. E-9782
SUNDRY NOTES 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 Na
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	HUGGIE BEAR ST. COM.
1. Type of Well: Oil Well Gas Well Other	
2. Name of Operator MURCHISON OIL & GAS, INC.	8. Well No. 1
3. Address of Operator 1100 MIRA VISTA BLVD. PLANO, TX. 75093-4698	9. Pool name or Wildcat CROW FLATS MORROW
4. Well Location	
Unit Letter H : 1420 feet from the NORTH line and _	990 feet from the EAST li
Section 2 Township 17S Range 28E	NMPM County EDDY
10. Elevation (Show whether DR, RKB, RT, GR GL 3383' RKB 3405'	, etc.)
11. Check Appropriate Box to Indicate Nature of Notic	e. Report or Other Data
11. Check Appropriate Box to Indicate Nature of Notic NOTICE OF INTENTION TO:	· •
•• · · ,	JBSEQUENT <u>RE</u> PORT OF:
NOTICE OF INTENTION TO: SU PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WO	JBSEQUENT REPORT OF: ORK ALTERING CASING DRILLING OPNS.
NOTICE OF INTENTION TO: SU PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WO	JBSEQUENT REPORT OF: ORK ALTERING CASING DRILLING OPNS. PLUG AND ABANDONMENT
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Submit 3 Copies To Appropriate District ^{7 8 9 70} 77, State of New Me District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88240 District III 1000 Rio Brazos Rd., Aztes, NM 87410 District IV 1220 S. St. Francis Dr., Sants Fe, NM 87505 1220 S. St. Francis Dr., Sants Fe, NM 87505	al ResourcesRevised MDIVISION30-015-321765. Indicate Type of Lease5055. Indicate Type of Lease6. State Oil & Gas Lease N			
SUNDRESSOURCES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLU DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FO PROPOSALS.) 1. Type of Well: Oil Well Gas Well V Other				
2. Name of Operator MURCHISON OIL & GAS, INC.	8. Well No.			
3. Address of Operator 1100 MIRA VISTA BLVD. PLANO, T	K. 75093-4698 9. Pool name or Wildcat CROW FLATS MORR	w		
4. Well Location				
Unit Letter H : 1420 feet from the NORT	l line and 990 feet from the EA	<u>ST</u> line		
	nge 28E NMPM County El	DDY		
10. Elevation (Show whether D	R, RKB, RT, GR, etc.)			
11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING				
TEMPORARILY ABANDON	COMMENCE DRILLING OPNS. PLUG AND			
PULL OR ALTER CASING MULTIPLE COMPLETION	CASING TEST AND CEMENT JOB			
OTHER: INTENT TO MOVE LOCATION TO DRILL	OTHER:			

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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

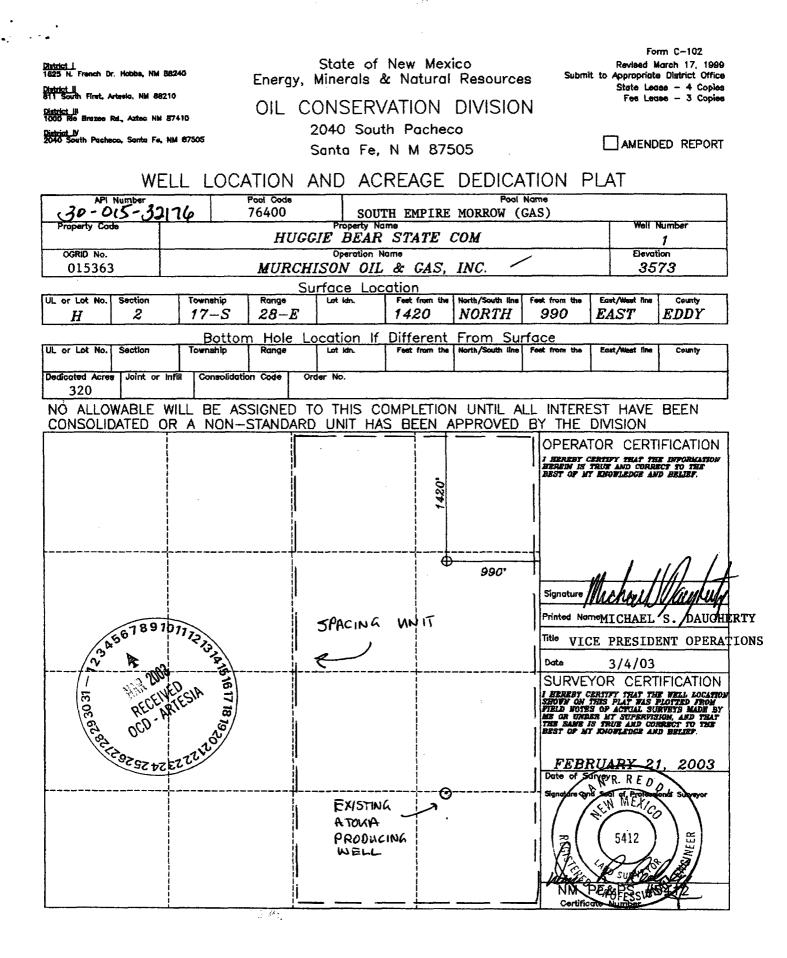
Murchison Oil & Gas, Inc. staked and permitted the Huggie Bear State Com #1 on January 30, 2002 at 660' FNL & 990' FEL, Sec. 2, T17S, R28E. This filing serves to request that the Drilling permit be amended to move the location to 1420' FNL & 990' FEL, Sec. 2, T17S, R28E, Eddy County, NM. A C-102 Survey Plat for the amended location along with the original Application for Permit to Drill are attached.

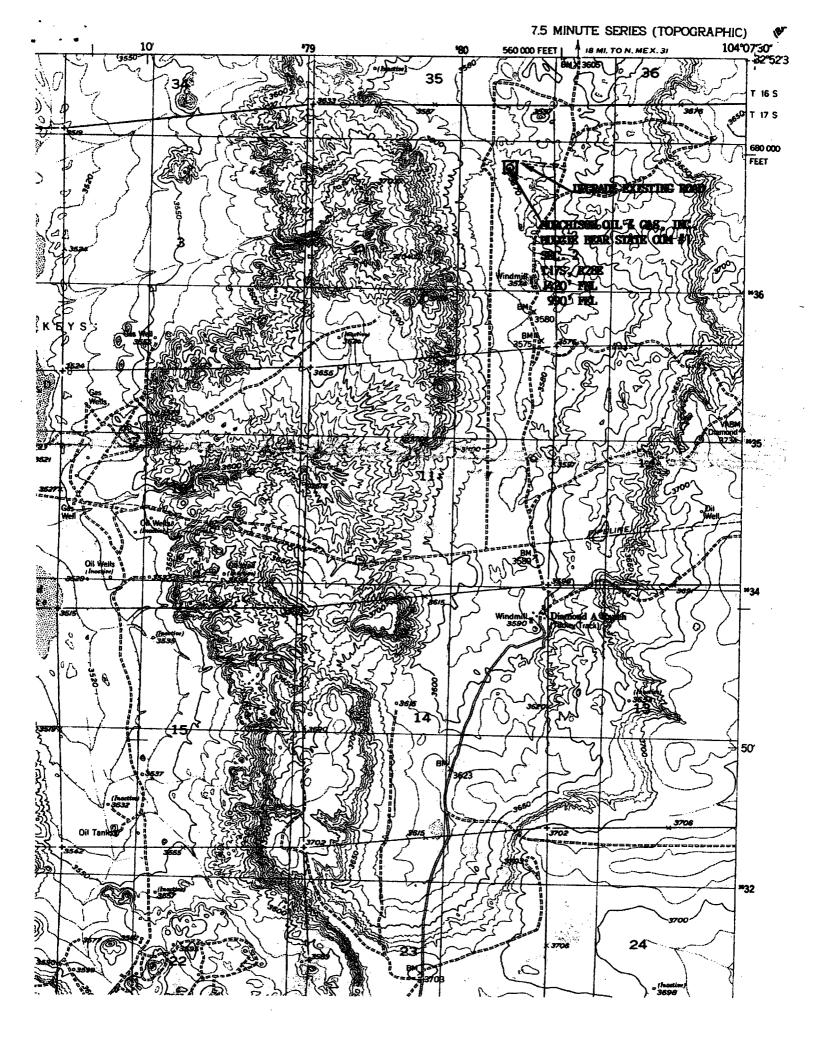
I hereby certify that the information above is true and complete	to the best of my knowledge and belief.	
SIGNATURE // IChau // / aug/ eng T	ITLE_VICE PRESIDENT OPERATIONS DATE	3/4/03
	Telephone No.	(972) 931-0700
APPPROVED BYT	District Sequiner	MAR 1 0 2003
APPPROVED BYTTT Conditions of approval, if any:	TLEDATE_	

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NO Box (910, Hobbs, District II NO Drawer DD, Arles District III 1000 Rio Brazos Rd., District IV	ia. NATES	211-0719	())) []]00 []00	LCON	SERVATIO	DIVISI	ON	2002 Suba	vite V	ppropriau	District Office
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	NO, TX	- 75093	-4090		· · · · · · · · · · · · · · · · · · ·	TOPETTY NAME			<u></u>	30-015-32176	
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Title:		Approval Date:									
Delc:	1001	PRESIDEN	Hone:	MITTON:		Conditions of App	SH 3	0 2002			30 2003
1/	25/02		(972)	931-		Attached D					8

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District III 1000 Rio Bruzos Rd., Azzor, NM 87410				PO Box 2088 Santa Fe, NM 87504-2088 RECEIVED							State Lease - 6 Copies Fee Lease - 5 Copies		
District IV PO Box 2088, Santa Pe, NM 87504-2088							O CD - H	RTESIC]amen	DED REPORT		
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						V		<u> </u>					
¹⁰ Describe the proposed program. If this application is to DEEFEN or PLUG BACK give the data on the set of the biowest prevention program, if any. Use additional shorts if necessary. DRILL, CASE & COMPLETE WELL IN MORROW FORMATION Water bearing zones													
BOP'S	S INCLU		•		E RAM 11"								
					D 4" x 500	1							
H 1 hereby cert	the sheet the				CCUMULATOR								
of my knowled Signature:		K	Approved by: ORIGINAL SIGNED BY TIM W. GUM										
Printed mane:	MAN		TIMUM DATIONE			Title: DISTRICT IN SUPERVISOR							
Title:		LAEL S.		Approval Date:			Projet	- Detet					
Date:	VICE	PRESID	PENT OP	PERATION	15	Conditions of App		2992			AN 30 2003		

(972) 931-0700

Attached D

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DISTR	1	1	

P.O. Box 1980, Hobbs, NM 85241-1980

DISTRICT II P.O. Drawer DD, Artenia, NM 86211-0719

DISTRICT III 1000 Ris Brazos Rd., Astec, NM 87410 State of New Mexico

Energy, Minerals and Natural Resources Department OIL CONSERVATION DIVISION Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

Pool Name

□ AMENDED REPORT

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

Pool Code

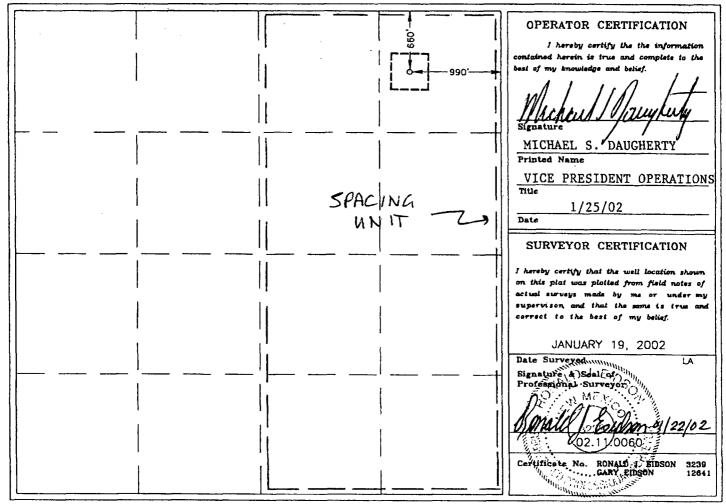
DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 87504-2088

API Number

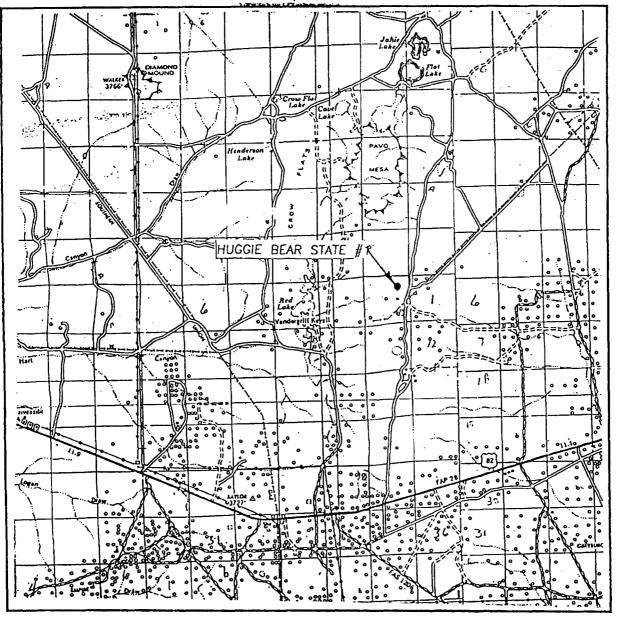
WELL LOCATION AND ACREAGE DEDICATION PLAT

76400 SOUTH EMPIRE MORROW (GAS) Property Name Well Number **Property** Code HUGGIE BEAR STATE 1 OGRID No. **Operator** Name 3503' MURCHISON OIL & GAS, INC. 3576 015363 Surface Location Feet from the North/South line East/West line UL or lot No. Section Township Range Lot Idn Feet from the County 660 2 17-S 28-E NORTH 990 EAST А EDDY Bottom Hole Location If Different From Surface UL or lot No. Section Range Lot ldn Feet from the North/South line East/West line Township Feet from the County Dedicated Acres Joint or Infill Consolidation Code Order No. 320

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

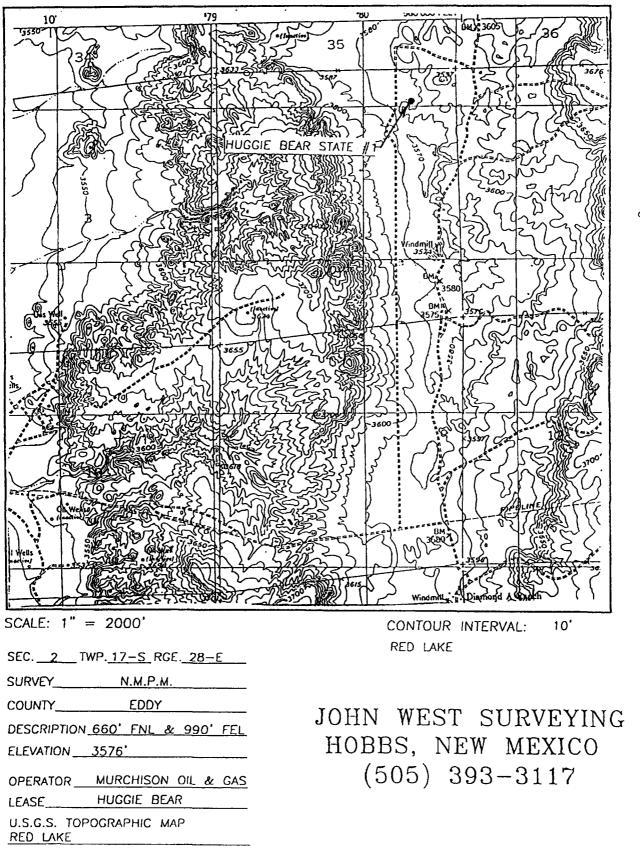


SCALE: 1'' = 2 MILES

SEC. 2 TWP. <u>17-S</u> RGE. <u>28-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>LEA</u> DESCRIPTION <u>660' FNL & 990' FEL</u> ELEVATION <u>3576'</u> OPERATOR <u>MURCHISON OIL & GAS</u> LEASE <u>HUGGIE BEAR</u>

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

LOCATION VERIFICATION MAP



30-015- 32176

Dgrid- 15363 Prop- 29244 Pool-

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<u>Oxford</u>[®] **& ESSELTE** NO. R753 1/3 MADE IN U.S.A.

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