

203603901

NSL

2/19/02

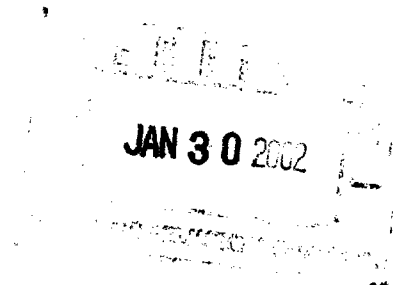


J.D. MURCHISON INTERESTS, INC.

MURCHISON OIL & GAS, INC.
MURCHISON PROPERTY, INC.

January 28, 2002

Mr. Michael Stogner
State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM. 87505



**RE: UNORTHODOX LOCATION EXCEPTION
BIG CAT STATE COM #1
1500' FNL & 1980' FEL, SEC. 11, T17S, R28E
EDDY CO., NM.**

Dear Mr. Stogner:

The referenced well was recently drilled at an orthodox location for the Morrow formation. Unfortunately we were not successful in the Morrow and have completed the well in the Wolfcamp from 7528' - 7540'.

The well's location is now unorthodox by virtue of Order No. R-11231. The Well Dedication and Acreage Plat Form C-102 for the well is attached. Since the well is no closer than 330 feet to an outer boundary of our lease, a list of offset operators has not been included, but a current commercial land map is attached for your use and reference. Please contact me if you have questions. Please grant an exception to the well's location requirements of Rule 104 C (2) (b) in view of these circumstances.

Very truly yours,

MURCHISON OIL & GAS, INC.


Michael S. Daugherty
Vice President Operations

MSD/ct/BigCatStCom#1-OCD-UnorthLocExc.

cc: Mr. Bryan Arrant-St. of New Mexico
Oil Conservation Division - District II
811 S. 1st Street
Artesia, NM. 88210-2834

Davidson, Florene

From: Arrant, Bryan
Sent: Thursday, February 07, 2002 10:27 AM
To: Davidson, Florene
Subject: Nomenclature 'The latest One'

**OIL CONSERVATION DIVISION
ARTESIA, NEW MEXICO
DISTRICT II
NOMENCLATURE ADVERTISEMENT**

In the matter of the application of the Oil Conservation Division of the Energy, Minerals and Natural Resources Department upon its own motion for an order for the creation, discovery allowable assignment and extension of certain existing pools in Eddy County, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof, to show cause why such creation, discovery allowable assignment, and extensions and or deletions should not be made.

(A) Create a new pool in Eddy County, New Mexico classified as a gas pool for Wolfcamp production and designated as the Anderson; Wolfcamp, North Gas Pool. The discovery well, the Big Cat State Com. #1 completed by Murchison Oil & Gas, Inc., is located in Unit G of Section 11 Township 17 South, Range 28 East, NMPM.

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM

Section 11: SW/4

(B) Create a new pool in Eddy County, New Mexico classified as a gas pool for Atoka production and designated as the Little Box Canyon; Atoka, West Gas Pool. The discovery well, the Echo 'AWF' Federal #1 completed by Yates Petroleum Corporation is located in Unit C of Section 15 Township 21 South, Range 21 East, NMPM.

TOWNSHIP 21 SOUTH, RANGE 21 EAST, NMPM

Section 15: W/2

(C) Create a new pool in Chaves County, New Mexico classified as a gas pool for Wolfcamp production and designated as the Rock School House; Wolfcamp, Northeast Gas Pool. The discovery well, the Byers 'ZV' #1 completed by Yates Petroleum Corporation is located in Unit N of Section 8 Township 8 South, Range 26 East, NMPM.

TOWNSHIP 8 SOUTH, RANGE 26 EAST, NMPM

Section 8: S/2

(D) Extend the Antelope Sink; Upper Pennsylvanian Gas Pool in Eddy County, New Mexico to include therein:

TOWNSHIP 19 SOUTH, RANGE 24 EAST, NMPM

Section 5: W/2 & Section 6: S/2

(E) Extend the Baldrige Canyon; Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 25 EAST, NMPM

Section 29: S/2 & Section 30: SE/4

(F) Extend the Bunting Ranch; Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 21 EAST, NMPM

Section 25: E/2

(G) Extend the Cedar Lake; Yeso Oil Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM

Section 13: NE/4

(H) Extend the Cemetery; Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM

Section 20: N/2 & Section 28: S/2

(I) Extend the Comanche; Wolfcamp Gas Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 27 EAST, NMPM

Section 31: NE/4

(J) Extend the Comanche Spring; Pre-Permian Gas Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 26 EAST, NMPM

Section 36: E/2

(K) Extend the Crow Flats; Morrow, Southeast Gas Pool in Eddy County, New Mexico to include therein:

2/7/2002

TOWNSHIP 16 SOUTH, RANGE 28 EAST, NMPM

Section 35: S/2

(L) Extend the Eagle Creek; Atoka-Morrow, East Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM

Section 27: N/2

(M) Extend the Foor Ranch; Pre-Permian Gas Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 26 EAST, NMPM

Section 25: ALL

TOWNSHIP 9 SOUTH, RANGE 26 EAST, NMPM

Sections-9: E/2, 10: W/2, 27: N/2, 28: N/2, 29: N/2

(N) Extend the Foor Ranch; Wolfcamp Gas Pool in Chaves County, New Mexico to include therein:

TOWNSHIP 10 SOUTH, RANGE 26 EAST, NMPM

Section 4: E/2 & Section 8: E/2

(O) Extend the Foor Ranch; Wolfcamp, North Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 26 EAST, NMPM

Section 21: ALL & Section 28: NW/4

(P) Extend the Hackberry; Morrow, North Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM

Section 7: N/2

(Q) Extend the Ingle Wells; Delaware Oil Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM

Section 13: NW/4 & Section 14: SE/4

(R) Extend the Henshaw; Morrow, Southwest Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM

Section 25: N/2

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM

Section 30: W/2

(S) Extend the Little Box Canyon; Morrow Gas Pool in Eddy County, New Mexico to include therein:

TOWNSHIP 21 SOUTH, RANGE 21 EAST, NMPM

Section 14: S/2 and Section 15: W/2 & SE/4

(T) Extend the Loco Hills; Wolfcamp, Northwest Oil Pool in Eddy County, New Mexico to include therein:

TOWNSHIP 18 SOUTH, RANGE 28 EAST, NMPM

Section 23: N/2

(U) Extend the Pecos Slope; Abo Gas Pool in Chaves County, New Mexico to include therein:

TOWNSHIP 9 SOUTH, RANGE 27 EAST, NMPM

Section 30: N/2

(V) Extend the Red Lake; Glorieta-Yeso, Northeast Oil Pool in Eddy County, New Mexico to include therein:

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM

Section 2: NW/4

(W) Extend the Sand Dunes; Atoka, West Gas Pool in Eddy County, New Mexico to include therein:

TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM

Section 21: S/2

(X) Extend the Sand Tank; Morrow Gas Pool in Eddy County, New Mexico to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM

Section 30: SE/4

Stogner, Michael

From: Stogner, Michael
Sent: Friday, February 08, 2002 7:49 AM
To: Arrant, Bryan
Cc: Davidson, Florene
Subject: RE: Proposed North Anderson-Wolfcamp Gas Pool

Thanks for straightening me out Bryan. This helps me in dealing with Murchison's applications. I'll send your message along to Florene so she can make the appropriate change on her proposed advertisement.

-----Original Message-----

From: Arrant, Bryan
Sent: Friday, February 08, 2002 7:44 AM
To: Stogner, Michael
Subject: RE: Proposed North Anderson-Wolfcamp Gas Pool

Your right, its oil and it should be in the NE/4.
Call if you have any ?s
Bryan

-----Original Message-----

From: Stogner, Michael
Sent: Thursday, February 07, 2002 3:40 PM
To: Arrant, Bryan
Cc: Davidson, Florene
Subject: Proposed North Anderson-Wolfcamp Gas Pool

Bryan,

I am in the process of reviewing an administrative application filed by Murchison Oil & Gas, Inc. (cc-ed you by letter dated Jan. 28, 2002) for an unorthodox **Wolfcamp oil well** location for its recently drilled Big Cat State Com. Well No. 1 (**API No. 30-015-32091**), located 1500' FNL & 1980' FEL (Unit G) of Sec. 11-T17S-R28E, Eddy County, New Mexico. His attached C-102 references the "*Anderson Wolfcamp North*" in the Pool Name box and indicates that a standard 40-acre oil spacing and proration unit comprising the SW/4 NE/4 of Section 11 is to be dedicated to this well.

Your e-mail to Florene at 10:27 a.m. today shows in Paragraph (A) that this well is the discovery well for a new **gas pool** to be designated the "*North Anderson-Wolfcamp Gas Pool*" and the proposed boundary for this pool is to be a **160-acre area** comprising the **SW/4 of Section 11**.

I'm confused, is the Wolfcamp completion in this well gas or oil? If its "gas" why are you only giving it the 160 acres directly to the southwest of Unit "G"? If its oil, should the pool name be designated as such, and should the correct pool boundary be the NE/4 instead of the SW/4 of the section?

Call me if should you have any questions.

Stogner, Michael

From: Arrant, Bryan
Sent: Friday, February 08, 2002 7:44 AM
To: Stogner, Michael
Subject: RE: Proposed North Anderson-Wolfcamp Gas Pool

Your right, its oil and it should be in the NE/4.
Call if you have any ?s
Bryan

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Sent: Thursday, February 07, 2002 3:40 PM
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Cc: Davidson, Florene
Subject: Proposed North Anderson-Wolfcamp Gas Pool

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Call me if should you have any questions.

Stogner, Michael

From: Stogner, Michael
Sent: Thursday, February 07, 2002 3:40 PM
To: Arrant, Bryan
Cc: Davidson, Florene
Subject: Proposed North Anderson-Wolfcamp Gas Pool

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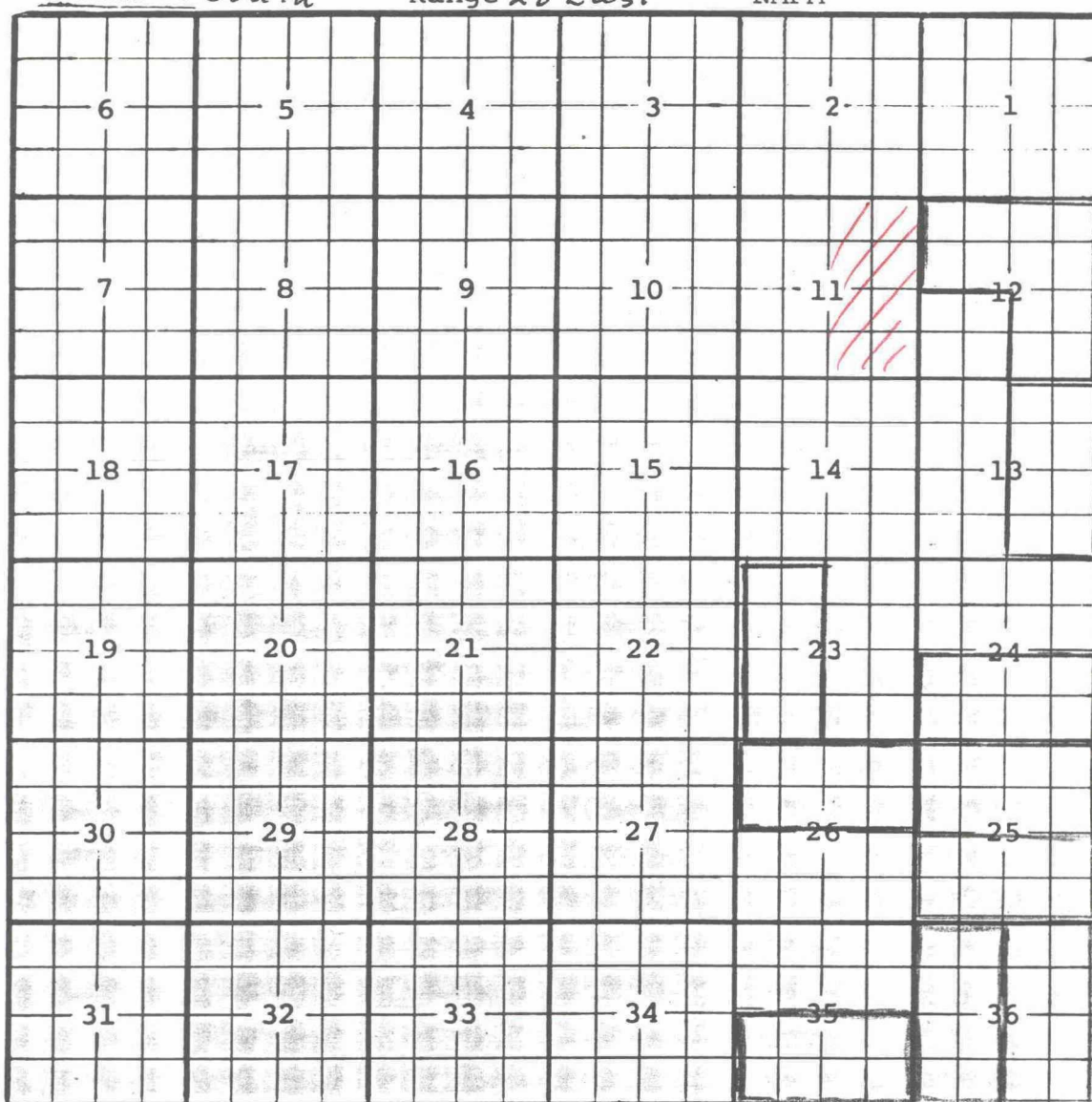
Call me if should you have any questions.

County Eddy Pool South Empire - Morrow Gas

TOWNSHIP 17 South

Range 28 East

NMPM



Ext: $\frac{1}{2}$ Sec 25 (R-5838, 11-1-78) Ext: $\frac{1}{2}$ Sec 36 (R-5911, 2-1-79)

Ext: $\frac{1}{2}$ Sec. 25 (R-6274, 3-1-80) Ext: $\frac{1}{2}$ Sec 24 (R-6576, 2-10-81)

Ext: Sec. 35, $\frac{1}{2}$ Sec. 36, $\frac{1}{2}$ (R-7076-9-27-82)

Ext: $\frac{1}{2}$ Sec. 13 (R-7334, 8-19-83) Ext: $\frac{1}{2}$ Sec. 26 (R-11470, 10-11-00)

Ext: $\frac{1}{2}$ and $\frac{5}{8}$ Sec. 12 (R-11683, 5-7-01) Ext: $\frac{1}{2}$ Sec. 23 (R-11691, 11-28-01)

County Eddy Pool Anderson-Wolfcamp

TOWNSHIP 17 South Range 28 East NMPM

6	5	4	3	2	1		
7	8	9	10	11	12		
18	17	16	15	14	13		
19	20	21	22	23	24		
30	29	28	27	26	25		
31	32	33	34	35	36		

Description: $\frac{E}{2}$ Sec. 23, All Sec. 24 (R-10951, 2-4-98)

Ext: $\frac{SW}{4}$ Sec. 23 (R-11544, 3-17-01)

P/DWIGHTS PLUS DRILLING WIRE™
NEW MEXICO
Section II - 02/04/2002

PAGE 53

DRILLING PROGRESS

NEW MEXICO DISTRICT 1,2,4-EDDY COUNTY CONTINUED

PROPOSED SPUD:20010515 LOC; \$\$\$

OPER: DEVON ENERGY **35-17S-27E**
PRODUCTION COMPANY L P; SW NW SW
WELL: 4 EAGLE '35' FEDERAL; 1800 FSL 430 FWL SEC
API: 30-015-31762;

FIELD: RED LAKE; 4000 YESO (PMT APP'D 20010502) (FR:20010511 OKC
MSW) LEASE TYPE:FEDERAL TARGET OBJ: OIL; OPER ADD: 20 NORTH
BROADWAY, STE 1500, OKLAHOMA CITY, OK 73102-8260, (405)235-3611 EL:
3605 GR LOCATION DATA: APPROX 5 MI SE ARTESIA, NM VERTICAL;

D

PROPOSED SPUD:20010515 LOC; \$\$\$

OPER: LARUE C E & MUNCY B M **36-17S-27E**
JR; SW SE NE
WELL: 3 GATES STATE; 2310 FNL 990 FEL SEC
API: 30-015-31036;

FIELD: EMPIRE; 530 YESO (PMT APP'D 20000321) (FR:20000323 OKC VAC)
LEASE TYPE:STATE TARGET OBJ: OIL; OPER ADD: P.O. BOX 470,
ARTESIA, NM 88210- , (505)746-6651 EL: 3660 GR LOCATION DATA: 15 MI
SW LOCO HILLS, NM VERTICAL;

DO
OIL

CONTR: G & C DRILLING, SPUD:20000326 CSG: 5 1/2 IN @ 480 W/220 SACK; RIG REL: 20000602 TD: 615; (SEVEN RIVERS) (TD REACHED:20000601)
PRODUCING INTERVALS DATA: # 01 OPENHOLE (SEVEN RIVERS) 480-615; ACID (565-570) W/ 500 GAL ACID; ACID (610-613) W/ 500 GAL ACID OIL: 10
BPD DTD: 615; COMPDATE: 20000611; # 01 IPP OIL: 10 BPD PROD ZONE: OPENHOLE (SEVEN RIVERS) 480-615 ; HOLDING FOR DATA
....(LDIR:20010621) \$\$\$

OPER: SDX RESOURCES **36-17S-27E**
INCORPORATED; NE NW NE
WELL: 3 JEFFERS '36' STATE; 460 FNL 1650 FEL SEC
API: 30-015-31541;

FIELD: RED LAKE; 4000 QUEEN-GRAYBURG-SAN ANDRES (PMT APP'D
20010111) (FR:20010122 MIDL MJA) LEASE TYPE:STATE TARGET OBJ: OIL;
OPER ADD: P O BOX 5061, MIDLAND, TX 79704-5061, (915)685-1761 EL:
3616 GR VERTICAL;

D

CONTR: UNITED DRILLING, PROPOSED SPUD:20010201 LOC; \$\$\$

OPER: YATES PETROLEUM **5-17S-28E**
CORPORATION; NE SW SE
WELL: 1 ORIENT EXPRESS 'ARS' 760 FSL 1880 FEL SEC
FEDERAL COM;
API: 30-015-31237;
IC: 30015778892000;

FIELD: WILDCAT; 10050 (PMT APP'D 20000627) (FR:20000531 MIDL MJA)
LEASE TYPE:FEDERAL TARGET OBJ: GAS; OPER ADD: 105 S 4TH ST,
YATES BLDG, ARTESIA, NM 88210, (505)748-1471 EL: 3587 GR LOCATION
DATA: 14 MI NE ARTESIA, NM APPROX 400 FT S/1211 (QGSA) GAS PROD
IN ARTESIA FLD; VERTICAL;

WD

....PERMIT EXTENSION APPROVED 8/9/2001 (LDIR:20010813) LOC; \$\$\$

OPER: OXY USA INCORPORATED; 7-17S-28E
WELL: 1 OXY SHANIA STATE; 660 FNL 1650 FWL SEC
API: 30-015-30676;

FIELD: CROW FLATS; 9600 MORROW (PMT APP'D 19990708)
(FR:19990702 OKC VAC) LEASE TYPE:STATE TARGET OBJ: GAS; OPER
ADD: PO BOX 6236, LONGVIEW, TX 75608, (903)295-4505 EL: 3477 GR
LOCATION DATA: 12 MI W LOCO HILLS, NM VERTICAL; WELL ID
CHANGES: FTG CHGD FROM 1650 FNL, 1650 FEL OF SEC

D

LOC; \$\$\$

OPER: OXY USA WTP LP; **7-17S-28E**
WELL: 1 OXY SHANIA BULL FEDERAL; C NW NW
IC: 30015768792001; 660 FNL 660 FWL SEC

FIELD: CROW FLATS; 9800 MORROW (FR:20010215 OKC VAC) LEASE
TYPE:FEDERAL TARGET OBJ: GAS; OPER ADD: P O BOX 50250, MIDLAND,
TX 79710-0250, (915)685-5717 EL: 3485 GR LOCATION DATA: 10 MI W
ARTESIA, NM VERTICAL;

D

PROPOSED SPUD:20010416 LOC; \$\$\$

OPER: OXY USA WTP LP; **7-17S-28E**
WELL: 1 OXY SHANIA BULL FEDERAL; S2 NW NW
API: 30-015-31805; 990 FNL 660 FWL SEC

FIELD: CROW FLATS; 9800 MORROW (PMT APP'D 20010530)
(FR:20010607 OKC VAC) LEASE TYPE:FEDERAL TARGET OBJ: GAS; OPER
ADD: P O BOX 50250, MIDLAND, TX 79710-0250, (915)685-5717 EL: 3485 GR
LOCATION DATA: 10 MI W ARTESIA, NM VERTICAL;

D

LOC; \$\$\$

OPER: MURCHISON OIL & GAS **11-17S-28E**
INCORPORATED; N2 SW NE
WELL: 1 BIG CAT STATE COM; 1500 FNL 1980 FEL SEC
API: 30-015-32091;

FIELD: EMPIRE SOUTH; 10500 MORROW (PMT APP'D 20011111)
(FR:20011113 MIDL MJA) LEASE TYPE:STATE TARGET OBJ: GAS; OPER
ADD: 1100 MIRA VISTA BLVD, PLANO, TX 75093, (972)931-0700 EL: 3612 GR
VERTICAL;

D

CONTR: PATTERSON-UTI ENERGY INCORPORATED, RIG # 510; SPUD:20011122 CSG: 13 3/8 IN @ 205 W/235 SACK, 9 5/8 IN @ 2200 W/1100 SACK, 5 1/2
IN @ 10446 W/3080 SACK; RIG REL: 20011228 TD: 10446; (MORROW INTERPRETED) 10350 PBTD PROD TEST(S): # 01 PERF (WOLFCAMP) 7528-7540
W/ 48 SHOTS ; ACID (7528-7540) W/ 500 GAL ACID PICKLED DOWN TBG & UP CSG; FLUSH (7528-7540) W/ 250 BBL WATER 2% KCL DTD: 10446; 10350 PB
....SET PUMPING UNIT, WO BATTERY (LDIR:20020123) \$\$\$

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1930, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Artesia, NM 87410

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

WELL API NO.	30-015-32091
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	VO-4990

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL ☐ GAS WELL ☒ OTHER ☐	7. Lease Name or Unit Agreement Name BIG CAT STATE COM
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 UNDES EMPIRE; MORROW, SOUTH
4. Well Location Unit Letter <u>G</u> : <u>1500</u> Feet From The <u>NORTH</u> Line and <u>1980</u> Feet From The <u>EAST</u> Line Section <u>11</u> Township <u>17S</u> Range <u>28E</u> NMPM <u>EDDY</u> County	
10. Elevation (Show whether DF, RKD, RT, CR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☒
OTHER: ☐	PLUG AND ABANDONMENT ☐
	CASING TEST AND CEMENT JOB ☒
	OTHER: ☐ SURFACE CASING

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.

Spud well at 11:00 AM 11/21/01. Drill to 205' with 17 1/2" bit. POOH w/ bit. Run casing as follows:

1	Tex Pattern Shoe	1'
1 JT	13-3/8" 61 #/FT J-55 BUTT	43'
1	Float insert	1'
4 JTS	13-3/8" 61 #/FT J-55 BUTT	160'
		205'

Set 13 3/8" casing @ 205'. Cement with 235 SXS Class "C" + 2% CACL2 + 1/4 #/SX Celloflake. Bump plug. Circulate during job and circulate 40 SXS to reserve pit. WOC. Cut off conductor and weld on head and test to 500 PSI. Nipple up BOP 3000 PSI. Test BOP to 800 PSI. WOC 18 HRS. TIH w/ BHA and Drill string and resume drilling with 9 5/8" bit.

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

SIGNATURE Michael S. Daugherty TITLE VICE PRESIDENT OPERATIONS DATE 11/29/01
(972)

TYPE OR PRINT NAME MICHAEL S. DAUGHERTY TELEPHONE NO. 931-0700

(This space for State Use)

APPROVED BY Jim M. Bean TITLE SUPERVISOR, DISTRICT II DATE DEC 1-1 2001

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1930, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Altec, NM 87410

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

WELL API NO.	30-015-32091
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	VO-4990

7. Lease Name or Unit Agreement Name

BIG CAT STATE COM

8. Well No.

1

9. Pool name or Wildcat

UNDES EMPIRE; MORROW, SOUTH

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
OIL WELL ☐ GAS WELL ☒ OTHER ☐

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

3. Address of Operator
1100 MIRA VISTA BLVD.
PLANO, TX. 75093-4698

4. Well Location
Unit Letter G : 1500 Feet From The NORTH Line and 1980 Feet From The EAST Line
Section 11 Township 17S Range 28E NMPM EDDY County

10. Elevation (Show whether DF, 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 ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☒
OTHER: INTERMEDIATE CASING ☐

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.

Drilled 12 1/4" hole to 2200'. POOH with drill string and run 9 5/8" casing as follows:

1	Float shoe	1'
1 JT	9 5/8" 47 #/FT N-80 LTC	34'
1	Float collar	1'
59 JTS	9 5/8" 47 #/FT N-80 LTC	2164'
		2200'

Set 9-5/8" casing at 2200'. Cement w/ 900 SXS 35:65 Class "C" + 2% CACL + 1/4 #/SX Celloflake followed by 200 SXS Class "C" + 2% CACL. Bump plug. Circulate while pumping. Circulate 115 SXS to reserve pit. WOC. Nipple down and set slips. Lay down 13 5/8 3000 PSI BOP and Nipple up 5000 BOP. Test BOP and valves to 5000 PSI. Test casing to 1000 PSI. WOC total 22 Hrs. Trip in hole and resume drilling 8 1/2" bit.

RECEIVED
OCD - ARTESIA

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

SIGNATURE Michael S. Daugherty TITLE VICE PRESIDENT OPERATIONS DATE 11/29/01

TYPE OR PRINT NAME MICHAEL S. DAUGHERTY

(972)
TELEPHONE NO 931-0700

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

SUPERVISOR, DISTRICT II

DEC 11 2001

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-101
Revised February 10, 1994
Instructions on back
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☐ AMENDED REPORT

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

Operator Name and Address. MURCHISON OIL & GAS, INC. 1100 MIRA VISTA BLVD. PLANO, TX. 75093-4698		OGRID Number 015363
Property Code 29051		API Number 30-015-32091
Property Name BIG CAT STATE COM		Well No. #1

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
G	11	17S	28E		1500	NORTH	1980	EAST	EDDY

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1 UnDes. Empire, Morrow, South					Proposed Pool 2				

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	G	R	S	3612
Multiple	Proposed Depth	Formation	Contractor	Spud Date
N	10500	MORROW	PATTERSON	11/15/01

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8	61 #/FT	200' X	420 SXS	SURFACE
12 1/4"	9 5/8	47 #/FT	2200	600 SXS	SURFACE
7 7/8"	5 1/2	17 #/FT	10500	640 SXS	EST TOC 6500
Cement to cover all oil, GAS, water Bearing Zones					

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

DRILL, CASE & COMPLETE WELL IN MORROW FORMATION

- BOP'S INCLUDE
- 1) HYDRILL DOUBLE RAM 11" X 3000 PSI
 - 2) CHOKE MANIFOLD 4" X 5000 PSI FLANGED CONNECTIONS
 - 3) SIX STATION ACCUMULATOR CLOSING UNIT W/ REMOTE CONTROL

" I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

MICHAEL S. DAUGHERTY

Title:

VICE PRESIDENT OPERATIONS

Date:

11/8/01

Phone:

(972) 931-0700

OIL CONSERVATION DIVISION

Approved by:

Title:

SUPERVISOR, DISTRICT II

Approval Date:

NOV 11 2001

Expiration Date:

NOV 11 2002

Conditions of Approval:

Attached ☐

DISTRICT I
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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. 87504-2088

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Energy, Minerals and Natural Resources Department

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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
Property Code 015363	Property Name BIG CAT STATE	Well Number 1
OGRID No. 15363	Operator Name MURCHISON OIL & GAS, INC.	Elevation 3612

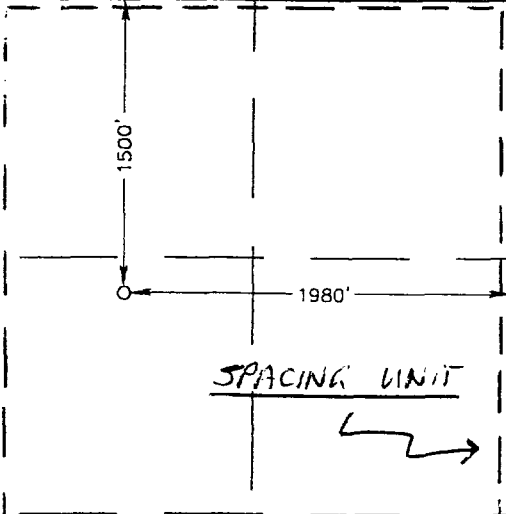
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	11	17 S	28 E		1500	NORTH	1980	EAST	EDDY

Bottom Hole Location If Different From Surface

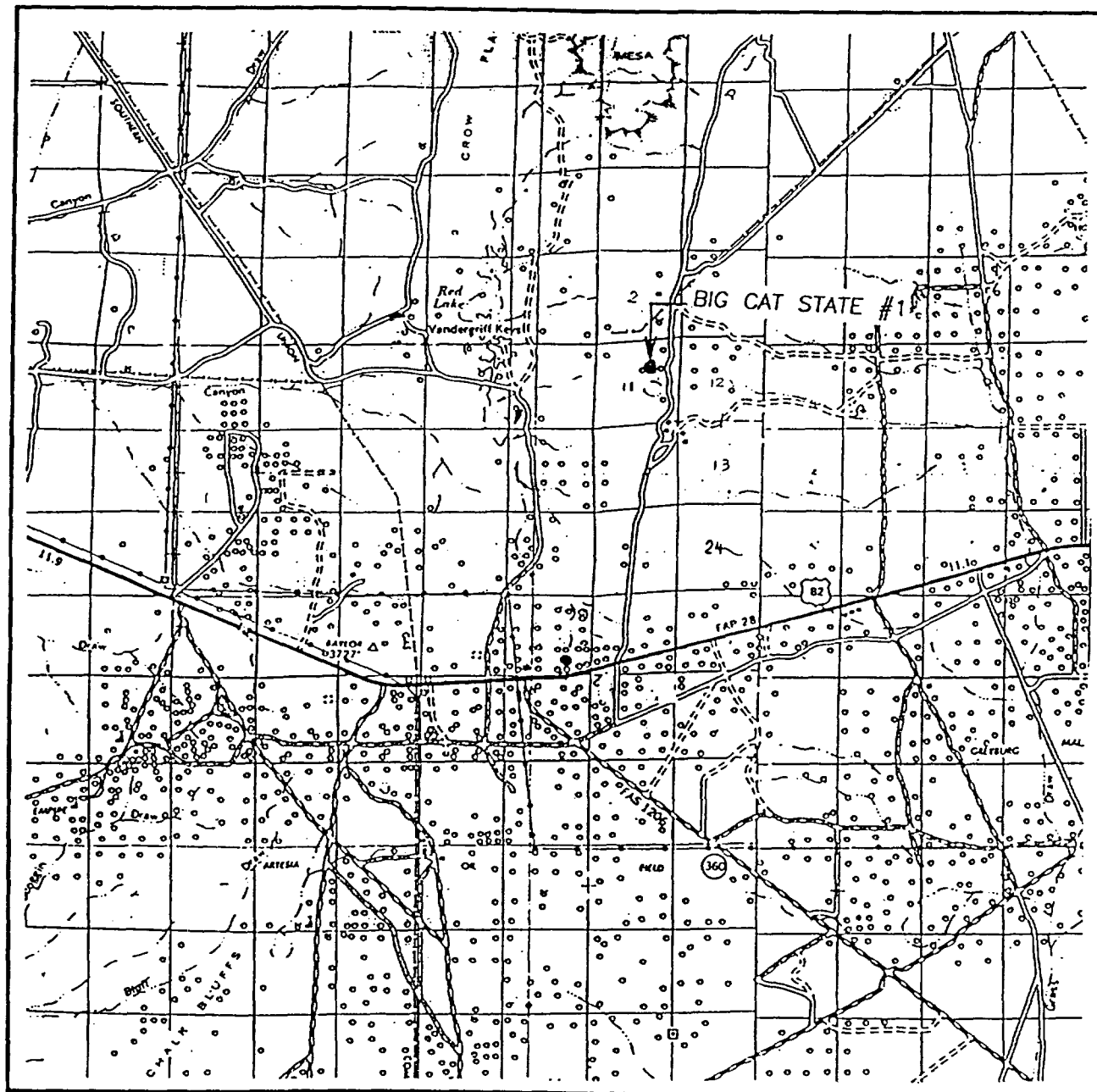
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
Dedicated Acres					Joint or Infill					Consolidation Code	Order No.
320											

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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Michael S. Daugherty</i> Signature MICHAEL S. DAUGHERTY Printed Name VICE PRESIDENT OPERATIONS Title 11/8/01 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. NOVEMBER 6, 2001 Date Surveyed LMP Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 11/07/01 01-11-1203 Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641

GEODETC COORDINATES
NAD 27 NMEZ
Y=674067.8
X=558022.8
LAT = 32°51'10.63" N
LONG = 104°08'39.81" W

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 11 TWP. 17-S RGE. 28-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1500' FNL & 1980' FEL

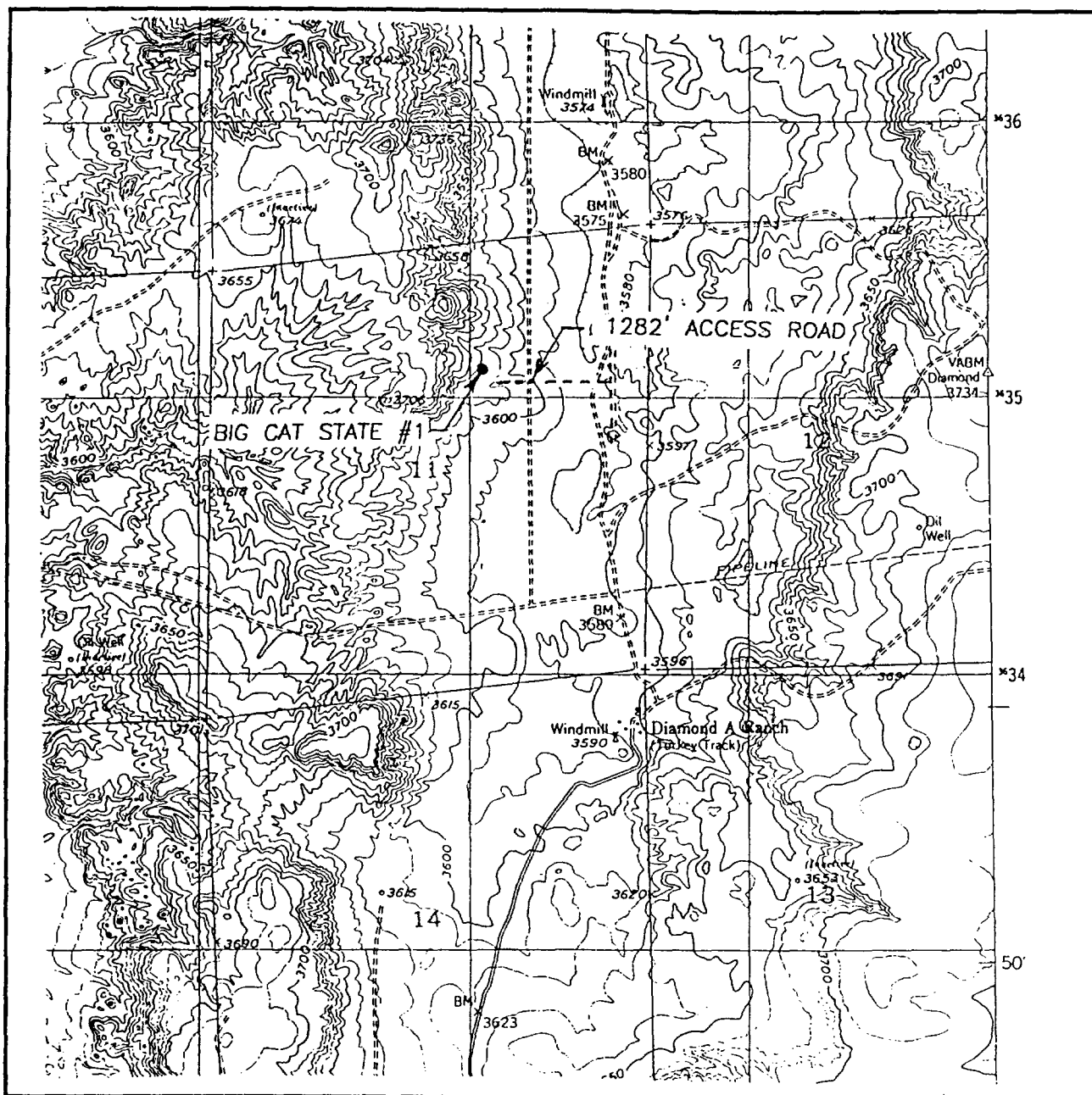
ELEVATION 3612

OPERATOR MURCHISON OIL & GAS

LEASE BIG CAT STATE

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
RED LAKE, N.M. - 10'

SEC. 11 TWP. 17-S RGE. 28-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1500' FNL & 1980' FEL

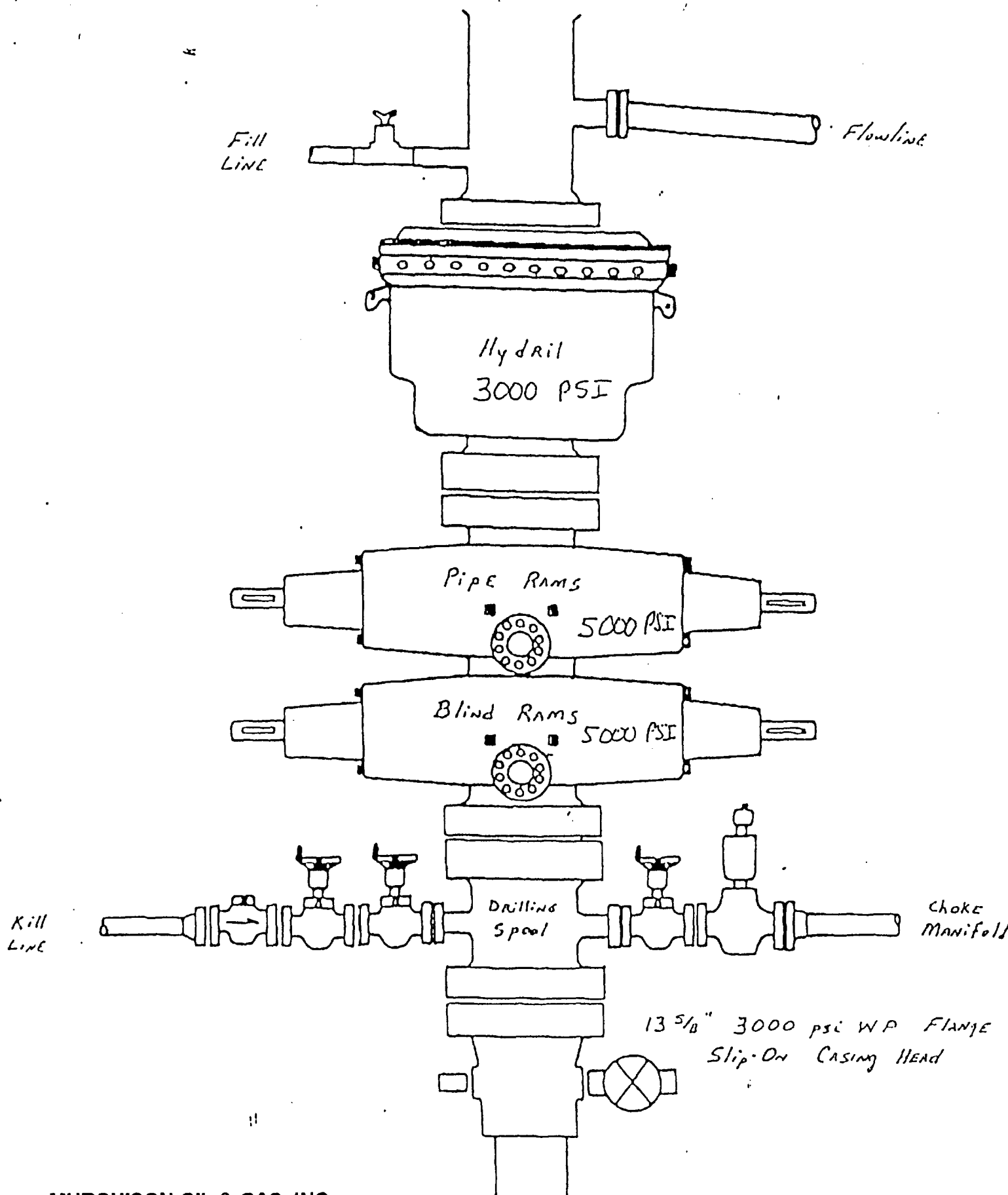
ELEVATION 3612

OPERATOR MURCHISON OIL & GAS

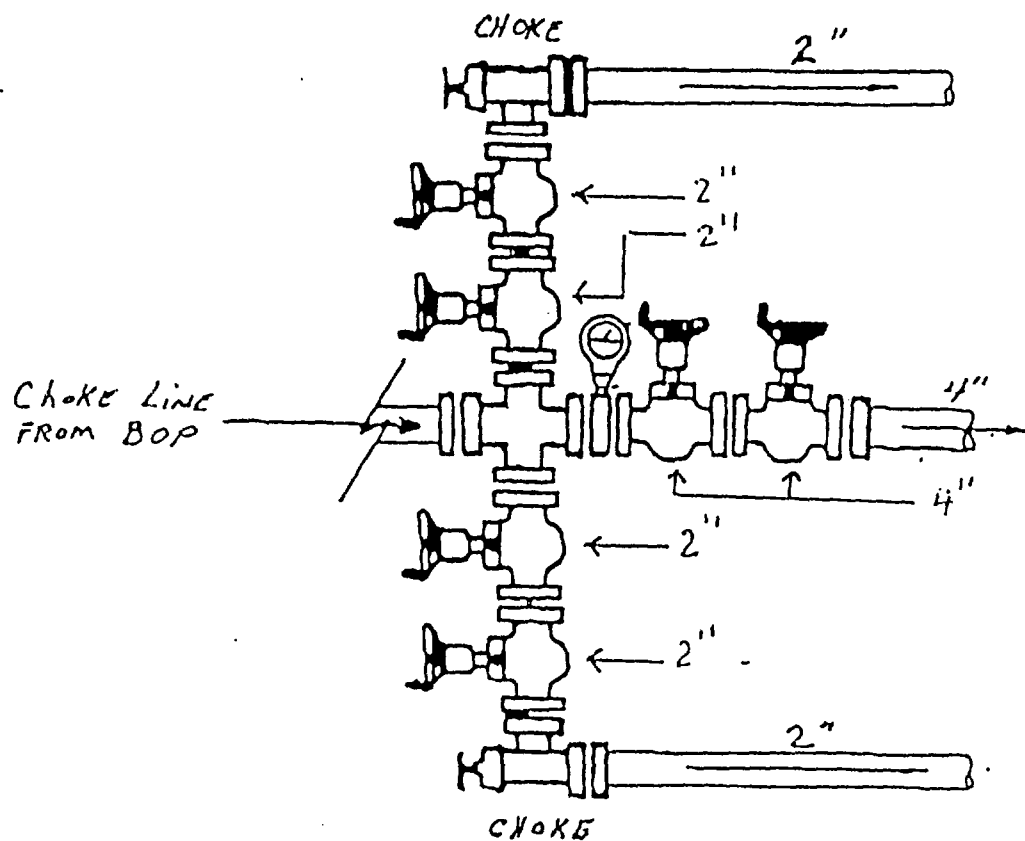
LEASE BIG CAT STATE

U.S.G.S. TOPOGRAPHIC MAP
RED LAKE, N.M.

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



MURCHISON OIL & GAS, INC.
 BIG CAT STATE COM #1
 1500' FNL & 1980' FEL
 SEC. 11, T17S, R28E
 EDDY CO., NM.



MURCHISON OIL & GAS, INC.
 BIG CAT STATE COM #1
 1500' FNL & 1980' FEL
 SEC. 11, T17S, R28E
 EDDY CO., NM.

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

02/07/02 08:16:
OGOMES -TQ
PAGE NO:

Sec : 11 Twp : 17S Rng : 28E Section Type : NORMAL

D 40.00 Federal owned A	C 40.00 Federal owned	B 40.00 CS V04990 0002 MURCHISON OIL & G 12/01/01	A 40.00 CS V04990 0002 MURCHISON OIL & 12/01/0 A
E 40.00 Federal owned	F 40.00 Federal owned	G 40.00 CS V04990 0002 MURCHISON OIL & G 12/01/01 A	H 40.00 CS K00470 0002 NM OIL CORP 05/17/7 A

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

02/07/02 08:23:
OGOMES -TQ
PAGE NO:

Sec : 11 Twp : 17S Rng : 28E Section Type : NORMAL

L 40.00 Federal owned	K 40.00 Federal owned	J 40.00 CS V04990 0002 MURCHISON OIL & G 12/01/01	I 40.00 CS V04990 0002 MURCHISON OIL & 12/01/0 A
M 40.00 Federal owned A	N 40.00 Federal owned	O 40.00 CS V04990 0002 MURCHISON OIL & G 12/01/01	P 40.00 CS V04990 0002 MURCHISON OIL & 12/01/0

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

CMD : ONGARD 02/07/02 08:23:
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TQ

OGRID Idn : 15363 API Well No: 30 15 32091 APD Status(A/C/P): A
Opr Name, Addr: MURCHISON OIL & GAS INC Aprvl/Cncl Date : 11-11-20
1100 MIRA VISTA BLVD
PLANO, TX 75093-4698

Prop Idn: 29051 BIG CAT STATE COM Well No: 1

	U/L	Sec	Township	Range	Lot Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----
Surface Locn : G	11	17S		28E		FTG 1500 F N	FTG 1980 F E
OCD U/L : G		API	County :	15			

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) :
Lease typ(F/S/P/N/J/U/I): S Ground Level Elevation : 3612

State Lease No: V 04990 Multiple Comp (S/M/C) : S
Prpsd Depth : 10500 Prpsd Frmtn : S EMPIRE MORROW

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

DISTRICT I
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DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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P.O. BOX 205A, SANTA FE, N.M. 87504-205A

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Energy, Minerals and Natural Resources Department

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OIL CONSERVATION DIVISION

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Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-32091	Pool Code 97183	Pool Name ANDERSON WOLFCAMP NORTH
Property Code	Property Name BIG CAT STATE	Well Number 1
OGRID No. 015363	Operator Name MURCHISON OIL & GAS, INC.	Elevation 3612

Surface Location

UL or lot No. G	Section 11	Township 17 S	Range 28 E	Lot Idn	Feet from the 1500	North/South line NORTH	Feet from the 1980	East/West line EAST	County EDDY
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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
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
-----------------------	-----------------	--------------------	-----------

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

STATE LEASE # VO-4990	1500'	1980'	SPACING UNIT	GEODETTIC COORDINATES NAD 27 NMEZ Y=674067.8 X=558022.8 LAT = 32°51'10.63" N LONG = 104°08'39.81" W	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Michael S. Daugherty</i> Signature MICHAEL S. DAUGHERTY Printed Name VICE PRESIDENT OPERATIONS Title 1/28/02 Date
					SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. NOVEMBER 6, 2001 Date Surveyed Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 01-11-1203 Certificate No. RONALD J. EIDSON 3230 GARY EIDSON 12041

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

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1000 Rio Brazos Rd., Aztec, NM 87410

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				Date Surveyed Signature & Seal of Professional Surveyor <u>Ronald J. Eidson</u> 01-11-1203	
				Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12041	

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				SURVEYOR CERTIFICATION	
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GEODETIC COORDINATES NAD 27 NMEZ Y=674067.8 X=558022.8 LAT = 32°51'10.63" N LONG = 104°08'39.81" W					

