

N.M. Oil Cons. Dist. 2

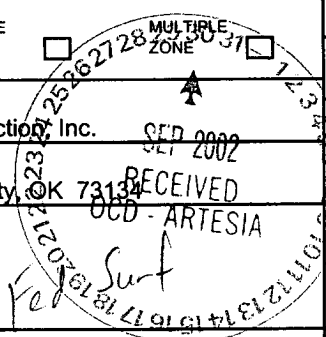
Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

CISF

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
1301 W. Grand Avenue  
Artesia, NM 88210

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESCRIPTION AND SERIAL NO. NMNM - 108942	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> <b>25723</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Dominion Oklahoma Texas Exploration & Production, Inc.		7. UNIT AGREEMENT NAME <b>30585</b>	
3. ADDRESS AND TELEPHONE NO. 14000 Quail Springs Parkway, Suite 600, Oklahoma City, OK 73134		8. FARM OR LEASE NAME, WELL NO. Andalucia "11" Federal Com 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements.) At surface UL C, 660' FNL & 1850' FWL		9. API NUMBER <b>30-015-32462</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 25 miles Northwest of Carlsbad		10. FIELD AND POOL, OR WILDCAT Undes. Cass Ranch; Morrow	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 11-20S-23E	
16. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA		12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES IN LEASE 320'		13. STATE NM	
18. PROPOSED DEPTH 9,000'		14. NO. OF ACRES ASSIGNED TO THIS WELL 320	
19. ROTARY OR CABLE TOOLS R		15. APPROX. DATE WORK WILL START 1-Oct-02	
20. ELEVATIONS (Show whether DF, RT, GR, etc.) 4024'		21. APPROX. DATE WORK WILL START 1-Oct-02	



PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8" H40	48.8#	300'	260 sx BJ Light/Class C
12 1/4"	9 5/8" ST&C	36#	1,700'	595 sx BJ Light/Class C
7 7/8"	5 1/2" N-80	17#	9,000'	500 sx Class C

1. Drill 17 1/2" hole to  $\pm$  300'. Set 13 3/8" H40, 48.8# surface csg at  $\pm$  300'. Cement w/260 sx BJ Light/Class C.
2. Drill 12 1/4" hole to  $\pm$  1,700'. Set 9 5/8", ST&C, 32# csg at  $\pm$  1,700. Cement w/595 sx BJ Light/Class C.
3. Drill 7 7/8" hole to  $\pm$  9,000'. Set 5 1/2", N-80, 11.6# csg at  $\pm$  9,000'. Cement w/500 sx Class C.

See Attached BOP program.

**APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout proventer program, if any.

24. SIGNED Carla Christian TITLE Regulatory Specialist DATE 8/26/02

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ Mary J. Rugwell TITLE FOR FIELD MANAGER DATE SEP 26 2002  
\*See Instructions On Reverse Side **APPROVAL FOR 1 YEAR**

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## DISTRICT II

811 South First, Artesia, NM 88210

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

## OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Cass Ranch; Morrow
Property Code	Property Name	Well Number
	ANDALUCIA "11" FEDERAL COM	1
OGRID No.	Operator Name	Elevation
025773	DOMINION OKLAHOMA TEXAS E&P INC.	4024

## Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	11	20 S	23 E		660	NORTH	1850	WEST	EDDY

## Bottom Hole Location If Different From Surface

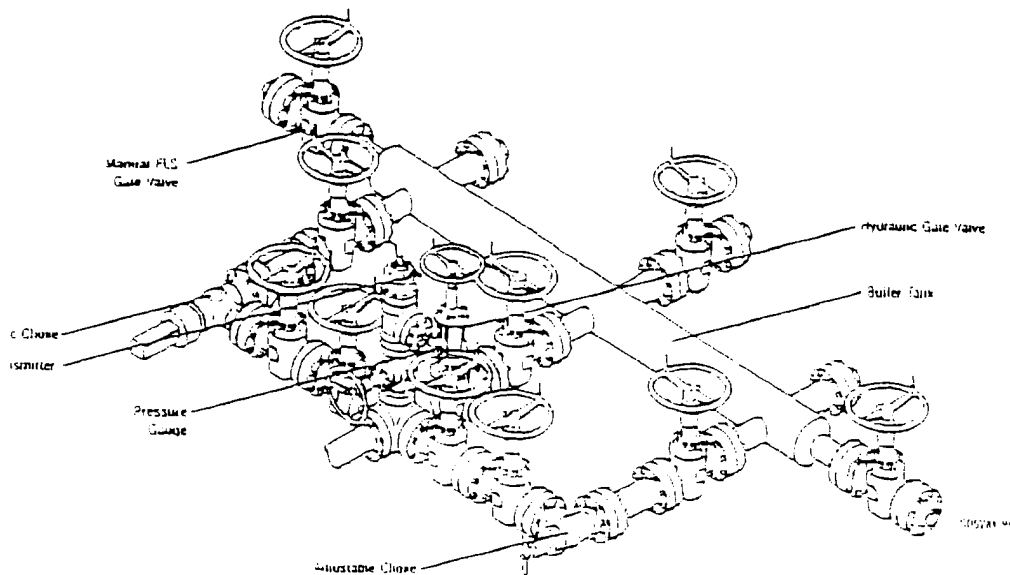
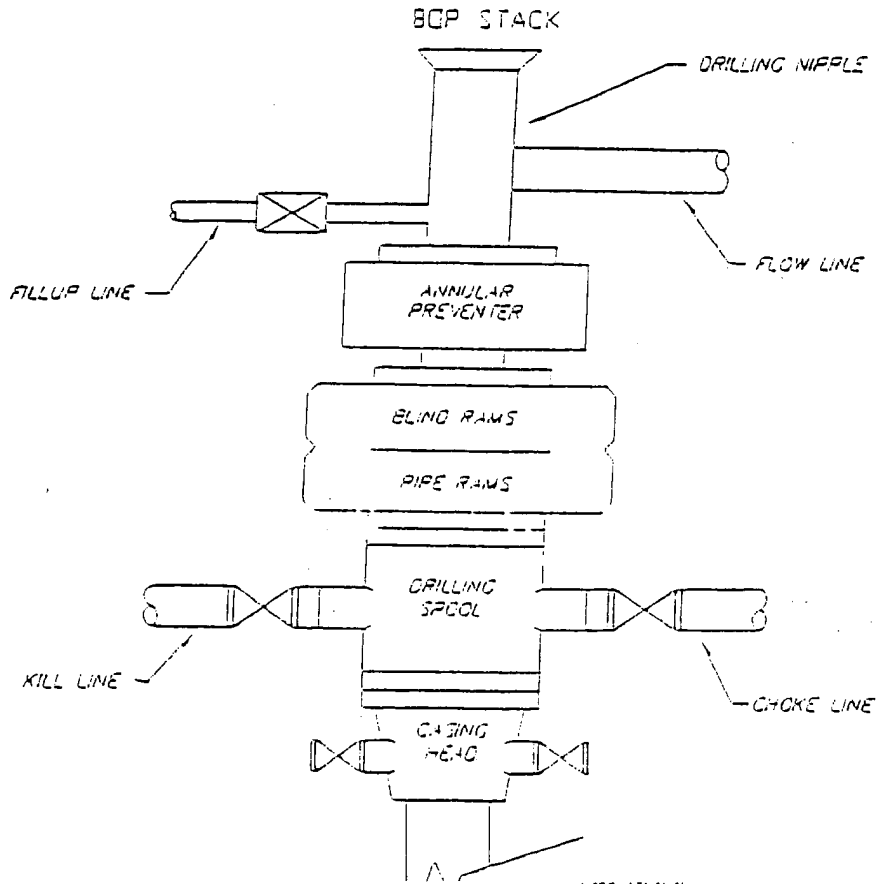
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
320	N								

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

	<p>Fee</p>	<p>BLM NMNM 108941</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Carla Christian</i> Signature</p> <p>Carla Christian Printed Name</p> <p>Regulatory Specialist Title</p> <p>August 7, 2002 Date</p>
			<p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>JULY 22, 2002</p> <p>Date Surveyed</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p>NEW MEXICO</p> <p>W.O. No. 2536</p> <p>Certificate No. Gary E. Jones 7977</p> <p>BASIN SURVEYS</p>

# Exhibit 6

## TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER & CHOKE MANIFOLD SCHEMATIC



Typical Choke Manifold Designed for Land Drilling Applications



August 26, 2002

United States Department of the Interior  
Bureau of Land Management  
Roswell District Office  
2909 West Second Street  
Roswell, New Mexico 88201

Re: Application for Permit to Drill  
Dominion Oklahoma Texas Exploration & Production, Inc.  
Andalucia "11" Federal Com #1  
Eddy County, New Mexico  
Federal Lease NMNM 108942

Gentlemen:

Dominion Oklahoma Texas Exploration & Production, Inc. respectfully requests permission to drill our Andalucia "11" Federal Com No. 1, located at 660 FNL and 1850 FWL of Section 11-T20S-R23E, Eddy County, New Mexico, Federal Lease No. NMNM -108942. The proposed well will be drilled to a TVD of approximately 9,000'. The location and work area have been staked approximately 25 miles Northwest of Carlsbad, New Mexico.

In accordance with requirements stipulated in Federal Onshore Oil and Gas Order No. 1 under 43 CFR 3162.1, our Application for Permission to Drill and supporting evidence is hereby submitted.

1. Application for Permit to Drill:
  1. Form 3160.3, Application for Permit to Drill
  2. Form C-102 Location and Acreage Dedication Plat certified by Gary L. Jones, Registered Land Surveyor No. 7977 in the State of New Mexico, dated July 22, 2002.
  3. The elevation of the unprepared ground is 4024 feet above sea level.
  4. The geologic name of the surface formation is Rustler.
  5. Rotary drilling equipment will be utilized to drill the well to TD 9,000' (TVD), and run casing. This equipment will then be rigged down and the well will be completed with a pulling unit.
  6. Proposed total depth is 9,000' TVD.

7. Estimated tops of important geologic markers:

Tubb	3,100 TVD
Abo Shale	3,700 TVD
Wolfcamp	5,150 TVD
Strawn	8,050 TVD
Atoka Clastics	8,175 TVD
Lower Atoka	8,250 TVD
Morrow Clastics	8,525 TVD
Chester	8,750 TVD

8. Estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered:

Primary Objective: Morrow Clastics 8,525' TVD

9. The proposed casing program is as follows:

Surface: 13 3/8" 48.8# H40 ST&C new casing set from 0-300'

Intermediate: 9 5/8" 36# J55 ST&C new casing set from 0-1,700'.

Production: 5 1/2" 17# N-80 new casing set from 0-9,000'.

10. Casing setting depth and cementing program:

1. 13 3/8" 48.8# H40 surface casing set at 300' in 17 1/2" hole. Circulate cement to surface with 110 sx. BJ Light + 2% CaCl<sub>2</sub> mixed at 12.4 ppg, Yield – 2.0 cf/sk and 150 sx Class C + 2% CaCl<sub>2</sub> mixed @ 14.8 ppg, Yield – 1.32 cf/sk.
2. 9 5/8" 32# J55 casing set at 1,700' in 12 1/4" hole. A fluid caliper will be ran to determine exact cement volume required. Cement will be circulated to surface with 375 sx BJ Light + 5% salt at 12.4 ppg, yield – 2.11 cf/sx and 220 sx Class C + 1% CaCl<sub>2</sub> mixed at 14.8 ppg, yield – 1.32 cf/sk.
3. 5 1/2" 17# N-80 casing set at 9,000' in 7 7/8" hole. Hole will be logged to determine exact cement volume to bring TOC to 7,000'. Cement with 500 sx Class C, 0.8% FL-62, .3% BA-10, .3% CD-32, .2% SMS Mixed @ 14.8 ppg, yield 1.32.

11. Pressure Control Equipment

0'– 300'	None
300'– 1,700'	<p>11" 5000# ram type preventers with one set blind rams and one set pipe rams and a 5000# annular type preventer. A choke manifold and accumulator with floor and remote operating stations and auxiliary power system.</p> <p>A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.</p>
1,700' - 9,000'	<p>After setting the 9 5/8" casing, the blowout preventers and related control equipment shall be pressure tested to 5000 psi. Any equipment failing to test satisfactorily shall be repaired or replaced. Results of the BOP test will be recorded in the Driller's Log. The BOP's will be maintained ready for use until drilling operations are completed.</p> <p>BOP drills will be conducted as necessary to assure that equipment is operational and each crew is properly trained to carry out emergency duties.</p> <p>Accumulatory shall maintain a pressure capacity reserve at all times to provide for the close-open-close sequence of the blind and pipe rams of the hydraulic preventers.</p>

12. Mud Program:

0' - 300'	Fresh water/native mud. Lime for pH control (9-10). Paper for seepage. Wt. 8.7 - 9.2 ppg, vis 32 - 34 sec.
300' – 1,700'	Fresh H2O. Sweep as necessary, weight 8.3 – 8.4. LCM pills to control lost circulation.
1,700'-9,000'	Fresh Water/mud, weight 8.4 – 11.0. Sweep as necessary. Control fluid loss as needed.

Page 4

08/26/02

APD Andalucia "11" Federal Com 1

13. Testing, Logging and Coring Program:

1. Testing program: DST=s are possible
2. Electric logging program: CNL/LDT/CAL/GR, DLL/CAL/GR.
3. Coring program: Possible sidewall rotary cores.

14. Anticipated starting date is October 1, 2002. It should take approximately 30 days to drill the well and another 15 days to complete.

The Multi-Point Surface Use & Operation Plan is attached. If you need additional information to evaluate this application, please call me at (405) 749-5263.

Sincerely,

DOMINION OKLAHOMA TEXAS E&P, INC.



Carla Christian  
Regulatory Specialist

## MULTI-POINT SURFACE USE AND OPERATIONS PLAN

DOMINION OKLAHOMA TEXAS EXPLORATION & PRODUCTION, INC.  
ANDALUCIA "11" FEDERAL COM WELL NO. 1  
EDDY COUNTY, NEW MEXICO  
LEASE NO. NMNM 108942

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to identify the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal may be made of the environmental effects associated with the operation.

The well, and work area have been staked by a registered New Mexico land surveyor. Boone Archaeological Services, LLC has been engaged to make an Archaeological survey of the work area. A copy is attached for your reference (Exhibit "A").

### 1. Existing Roads

A copy of Map Reference 7.5' Series; Box Canyon Ranch, NM (1957) 32104-E6 quadrangle map is attached showing the proposed location. The well location is spotted on this map, which also shows the existing road system. Exhibit B.

Directions to location:

From the junction of CR 23 and hwy 285, go westerly on CR 23 for 8.3 miles to a "Y"; Thence take right fork and continue on CR 23 for 7.3 miles to proposed lease road.

### 2. Planned Access Road

1. 2918' of new access road will be built.
2. Surfacing material: Caliche
3. Maximum Grade: N/A
4. Turnouts: 1
5. Drainage Design: N/A
6. Culverts: N/A
7. Cuts and Fills: N/A
8. Gates and Cattle Guards: N/A



3. Existing wells within one mile radius of the proposed well are shown on Exhibit C.

4. Location of Existing and/or Proposed Facilities

1. If the well is productive, production facilities will be constructed on the well pad. The facility will consist of a separator, two 210 bbl oil tanks and one 210 bbl fiberglass water tank. All permanent above ground facilities will be painted in accordance with the BLM's painting guidelines.
2. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to and a site security plan will be submitted for the Dominion Andalucia "11" Federal Com #1 tank battery. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

5. Location and Type of Water Supply

Fresh water and brine water will be used to drill this well. It will be purchased from a local source and trucked to the well site.

6. Source of Construction Materials

Nearby Caliche pit.

7. Method of Handling Waste Disposal

1. Drill Cuttings will be disposed of in drilling pits.
2. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
3. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
4. Current laws and regulations pertaining to the disposal of human waste will be complied with.
5. Trash, waste paper, garbage and junk will be collected in steel trash bins and removed after drilling and completion operations are completed. All waste material will be contained to prevent scattering by the wind.
6. All trash and debris will be removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. Ancillary Facilities

1. None needed.

9. Wellsite Layout

1. The location and dimensions of the well pad, mud pits, reserve pit and location of major rig components are shown on the well site layout sketch. Exhibit "D".
2. Leveling of the wellsite will be required with minimal cuts or fills anticipated.
3. The reserve pit will be plastic lined.
4. The pad and pit area have been staked and flagged.

10. Plans for Restoration of the Surface

1. After completion of drilling and/or completion operations, all equipment and other materials not needed for operations will be removed. The fill on the SW corner and the SE corner will be picked up and the corners re-contoured per Barry Hunt with the BLM.
2. Pits will be filled and location cleaned of all trash and junk to leave the well site in as aesthetically pleasing condition as possible. Any plastic material used to line the pits or sumps will be cut off below ground level as far as possible and disposed of before the pits are covered. All unattended pits containing liquid will be fenced and the liquid portion allowed to evaporate before the pits are broken and backfilled.
3. After abandonment of the well, surface restoration will be in accordance with the landowner. This will be accomplished as expeditiously as possible. Barring unforeseen problems, all pits will be filled and leveled within 90 days after abandonment.

11. Surface Ownership

1. The wellsite is on BLM surface.

12. Other information

1. Topography: The road mainly traverses a rocky ridge and the pad is on a south facing rocky hill slope.
2. Soil: Rock land and very shallow, stony and rocky, loamy soils over limestone; on hills and mountains.
3. Flora and Fauna: Overall ground cover is 10% (-/+) and consists primarily of creosote bush, bear grass cactus, little leaf horsebrush, cat claw, yucca cactus, broom snakeweed, prickly pear cactus, hackberry, walking stick cholla cactus, various grasses and other flora.
4. Ponds and streams: There are no rivers, streams, lakes or ponds in the area.
5. Residences and Other Structures: None
6. Archaeological, Historical and Cultural Sites: Boone Archaeological Services, LLD has completed an Class III survey archaeological report of the work area, see attached exhibit "A"
7. Land Use: Grazing
8. The well site, if a producer, will be maintained and kept clean of all trash and litter which detracts from the surrounding environment. Equipment will be maintained in accordance with good operating practice.
9. After the wellsite is cleaned and pits and sumps backfilled, any obstruction to the natural drainage will be corrected by ditching or terracing. All disturbed areas, including any access road no longer needed, will be ripped. Those areas will be reseeded with native grasses as described by BLM requirements.

13. Operator's Representatives and Certification

The field representative responsible for assuring compliance with the approved surface use and operations plan are as follows:

Gene Simer  
District Operations Manager  
309 S. Halagueno Street  
Carlsbad, NM 88220  
Office: (505) 885-1313  
Mobile: (505) 390-3722

Alan McNally  
District Engineering Manager  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
Office: (405) 749-5277  
Mobile: (405) 590-2449

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; that the work associated with the operations proposed herein will be performed by Dominion Oklahoma Texas Exploration & Production Inc., and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

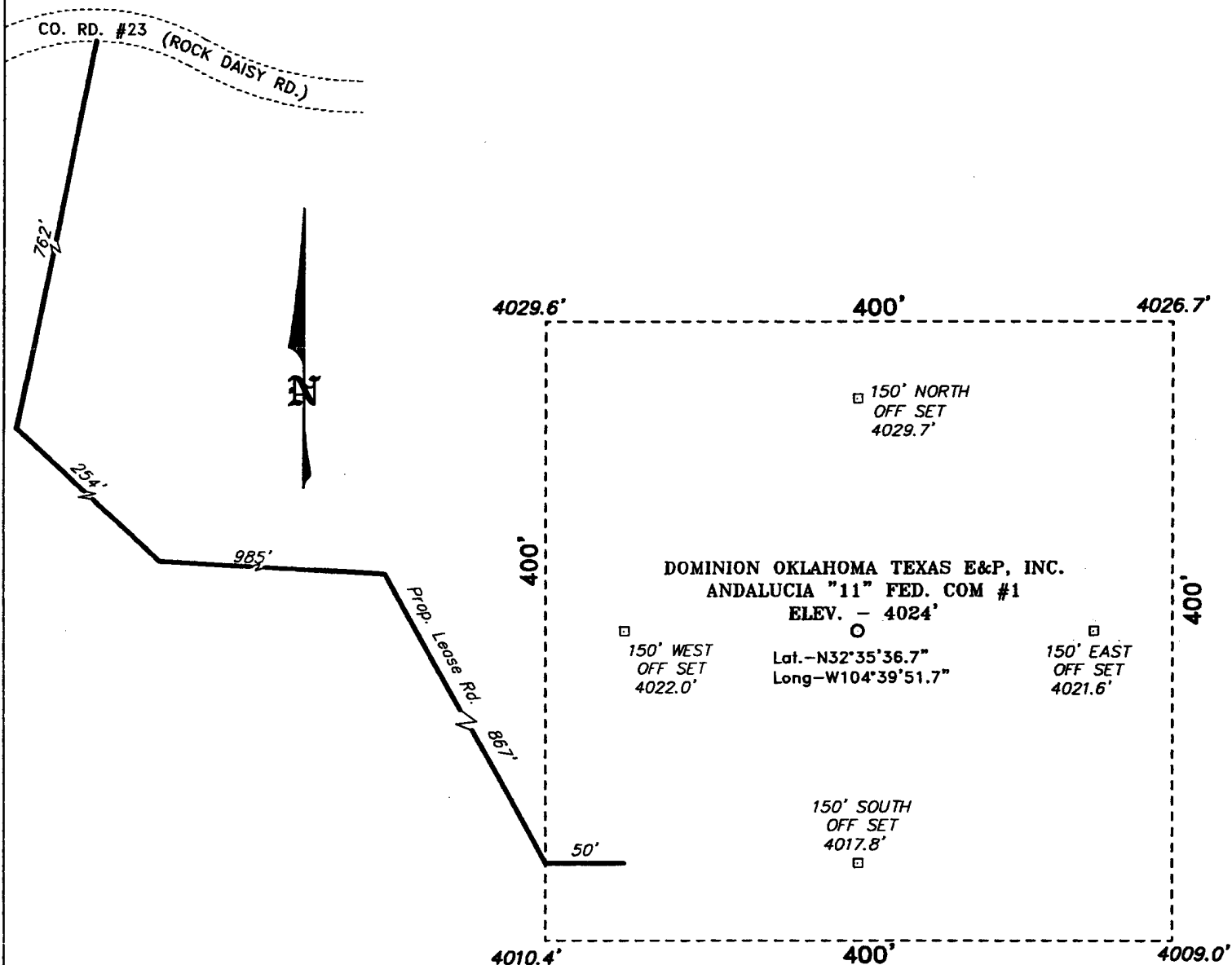
August 26, 2002

Date

Alan McNally CC

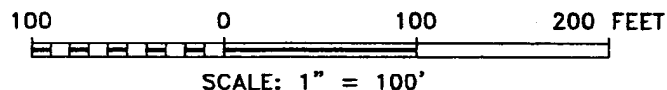
Alan C. McNally  
District Engineering Manager  
Dominion Oklahoma Texas E&P, Inc.

SECTION 11, TOWNSHIP 20 SOUTH, RANGE 23 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF CO. RD. 23 AND HWY 285,  
GO WESTERLY ON CO. RD. 23 FOR 8.3 MILES TO A  
"Y"; THENCE TAKE RIGHT FORK AND CONTINUE ON  
CO. RD. 23 FOR 7.3 MILES TO PROPOSED LEASE  
ROAD.



**BASIN SURVEYS** P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 2636 Drawn By: K. GOAD

Date: 07-23-2002 Disk: KJG CD#4 - 2636A.DWG

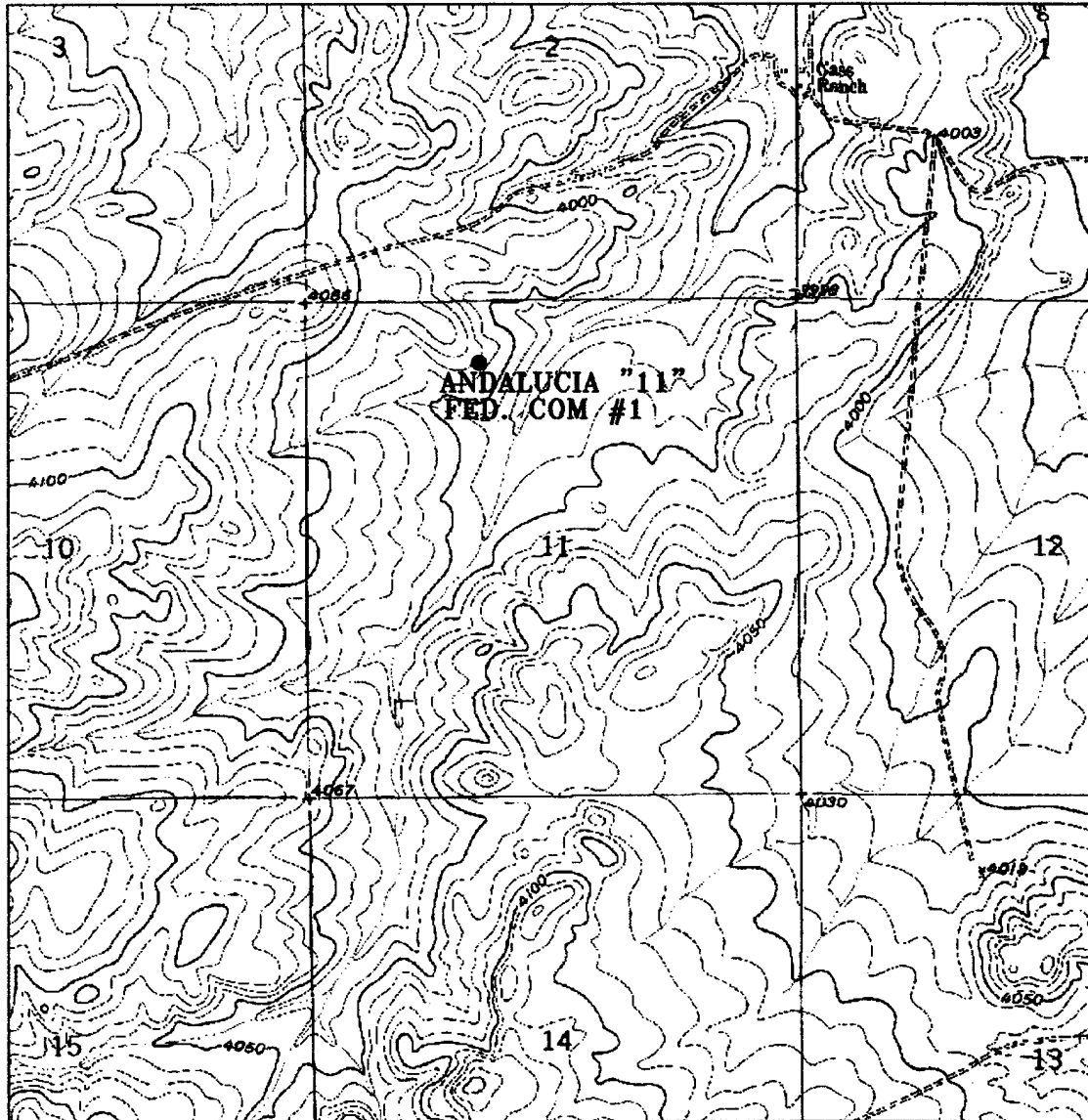
**DOMINION OKLAHOMA TEXAS E&P, INC.**

REF: ANDALUCIA "11" FED. COM #1 / Well Pad Topo

THE ANDALUCIA "11" FED. COM No. 1 LOCATED 660' FROM  
THE NORTH AND 1850' FROM THE WEST LINE OF  
SECTION 11, TOWNSHIP 20 SOUTH, RANGE 23 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 07-22-2002 Sheet 1 of 1 Sheets

Sheet 1 of 1 Sheets



**ANDALUCIA "11" FED. COM #1**  
 Located at 660' FNL and 1850' FWL  
 Section 11, Township 20 South, Range 23 East,  
 N.M.P.M., Eddy County, New Mexico.

**basin  
surveys**  
 focused on excellence  
 in the oilfield

P.O. Box 1786  
 1120 N. West County Rd.  
 Hobbs, New Mexico 88241  
 (505) 393-7316 - Office  
 (505) 392-3074 - Fax  
 basinsurveys.com

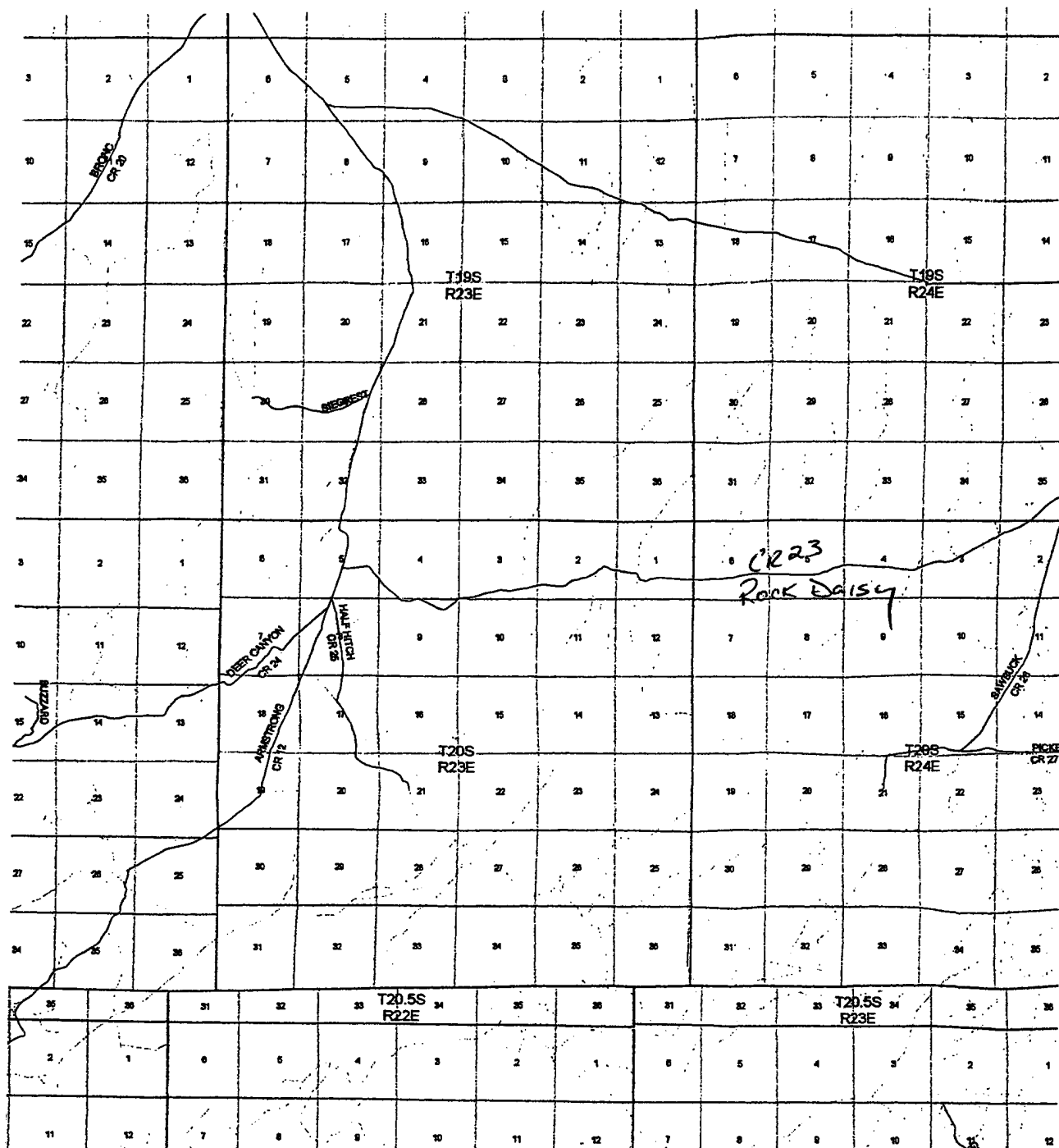
W.O. Number: 2636AA - KJG CD#5

Survey Date: 07-22-2002

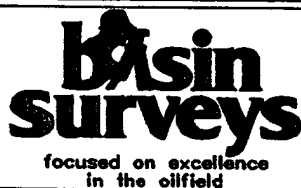
Scale: 1" = 2000'

Date: 07-23-2002

**DOMINION  
OKLAHOMA TEXAS  
E&P, INC.**



ANDALUCIA "11" FED. COM #1  
 Located at 660' FNL and 1850' FWL  
 Section 11, Township 20 South, Range 23 East,  
 N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786  
 1120 N. West County Rd.  
 Hobbs, New Mexico 88241  
 (505) 393-7316 - Office  
 (505) 392-3074 - Fax  
 basinsurveys.com

W.O. Number: 2636AA - KJG CD#5

Survey Date: 07-22-2002

Scale: 1" = 2 MILES

Date: 07-23-2002

DOMINION  
 OKLAHOMA TEXAS  
 E&P, INC.



**TITLE PAGE/ABSTRACT/  
NEGATIVE SITE REPORT  
CFO/RFO**

1/95

1. BLM Report No.	2. (ACCEPTED) (REJECTED)	3. NMCRIS No. 79803
4. Title of Report (Project Title)  Class III survey of a well pad for the Andalucia "11" Fed Com well No. 1 for Dominion Oklahoma Texas E&P INC. in Section 11 and access road in Sections 2 and 11, T 20S, R 23E, NMPM, Eddy County, New Mexico.		5. Project Date(s) 30 July, 2002 to
		6. Report Date 30 July, 2002
7. Consultant Name & Address: Direct Charge: Danny Boone Name: Boone Archaeological Services, LLC Address: 2030 N. Canal Carlsbad, New Mexico Authors Name: Danny Boone Field Personnel Names: Danny Boone Phone: (505) 885-1352		8. Permit No. 190-2920-02-B
		9. Consultant Report No. BAS 7-2-14
10. Sponsor Name and Address: Indiv. Responsible: Gene Simer Name: Dominion Oklahoma Texas E&P INC. Address: 309 S. Halagueno St. Carlsbad, NM 88220 Phone: (505) 8851313		11. For BLM Use Only.
		12. ACREAGE: Total No. of acres surveyed: <u>10.2</u> SURFACE OWNERSHIP: Federal: <u>6.79 (-/+)</u> State: <u>3.41 (-/+)</u> , Private: 0
13. Location: (Maps Attached if Negative Survey)		
a. State: New Mexico		
b. County: Eddy		
c. BLM Office Carlsbad		
d. Nearest City or Town: Artesia, NM		
e. Legal Location: T <u>20S</u> R <u>23E</u> Sec. <u>Pad</u> , Sec. 11 (FED), NE NW; Access road, SW NE NW, NW NE NW; Sec. 2, (STATE), SE SW SW, SW SW SW, NW SW SW:		
Well Footages: 660' FNL, 1850' FWL		
f. USGS 7.5 Map Name(s) and Code Number(s): BOX CANYON RANCH, NM (1957) [PhotoInspected 1975] 32104-E6		
g. Area: Block: surveyed: 400' x 400' Impact: Within Survey area Linear: Surveyed: 100' x 2,917.7' Impact: 50' x 2,917.7'		

14. a. Records Search; ARMS: Date(s): 30 July, 2002 Name(s): Ann boone  
BLM Office: Date(s): 29 July, 2002 Name(s): Danny Boone  
List Sites within .25 miles of Project: None  
Show sites within 500' on Project Map

b. Description of Undertaking:

The access road begins on the south side of Eddy County Road No. 23 in Section 2 on State of New Mexico Lands and trends southerly to a point approximately 50' inside of the southwest portion of the pad survey area in Section 11 on Federal Lands. See attached plat.

c. Environmental Setting (NRCS soil designation; vegetative community; etc.):

Topography: The road mainly traverses a rocky ridge and the pad is on a south facing rocky hillslope.

Vegetation: Overall ground cover is 10% (-/+) and consists primarily of creosote bush, bear grass cactus, littleleaf horsebrush, cat claw, yucca cactus, broom snakeweed, prickly pear cactus, hackberry, walking stick cholla cactus, various grasses and other flora.

NRCS :Limestone rock land-Ector association: Rock land and very shallow, stony and rocky, loamy soils over limestone; on hills and mountains.

d. Field Methods:

Transect Intervals: For the pad, a grid of parallel transects spaced fifteen meters or less and for the road, transects spaced up to 15 meters each side of flagged center line.

Crew Size: One

Time in Field: 3.5 hrs.

15. Cultural Resource Findings:

a. Identification and description

Isolated Manifestation (IM) No. 1, at 531016E, 3606306N is a metal can, hole in top, match stick closure, hand solder, lapped seams, knife opened, 4 1/8" in diameter, 4 7/8" long.

Isolated Manifestation (IM) No. 2 at 531546E, 3606064N consists of two chert flakes, one a distal end, 0% cortex, successful termination, 41 mm wide, 9 mm thick and one whole flake, 0% cortex, crushed platform, successful termination, 32mm long, 21 mm wide, 8 mm thick.

16. Management Summary (Recommendations):

Archaeological clearance for a well pad for the Andalucia "11" Fed Com well No. 1 for Dominion Oklahoma Texas E&P INC. in Section 11 and access road in Sections 2 and 11, T 20S, R 23E, NMPM, Eddy County, New Mexico as presently staked is recommended. All activity should cease and the BLM archaeologist notified immediately if any cultural resources are encountered at any time.

I certify that the information provided above is correct and accurate and meets all appreciable BLM standards.

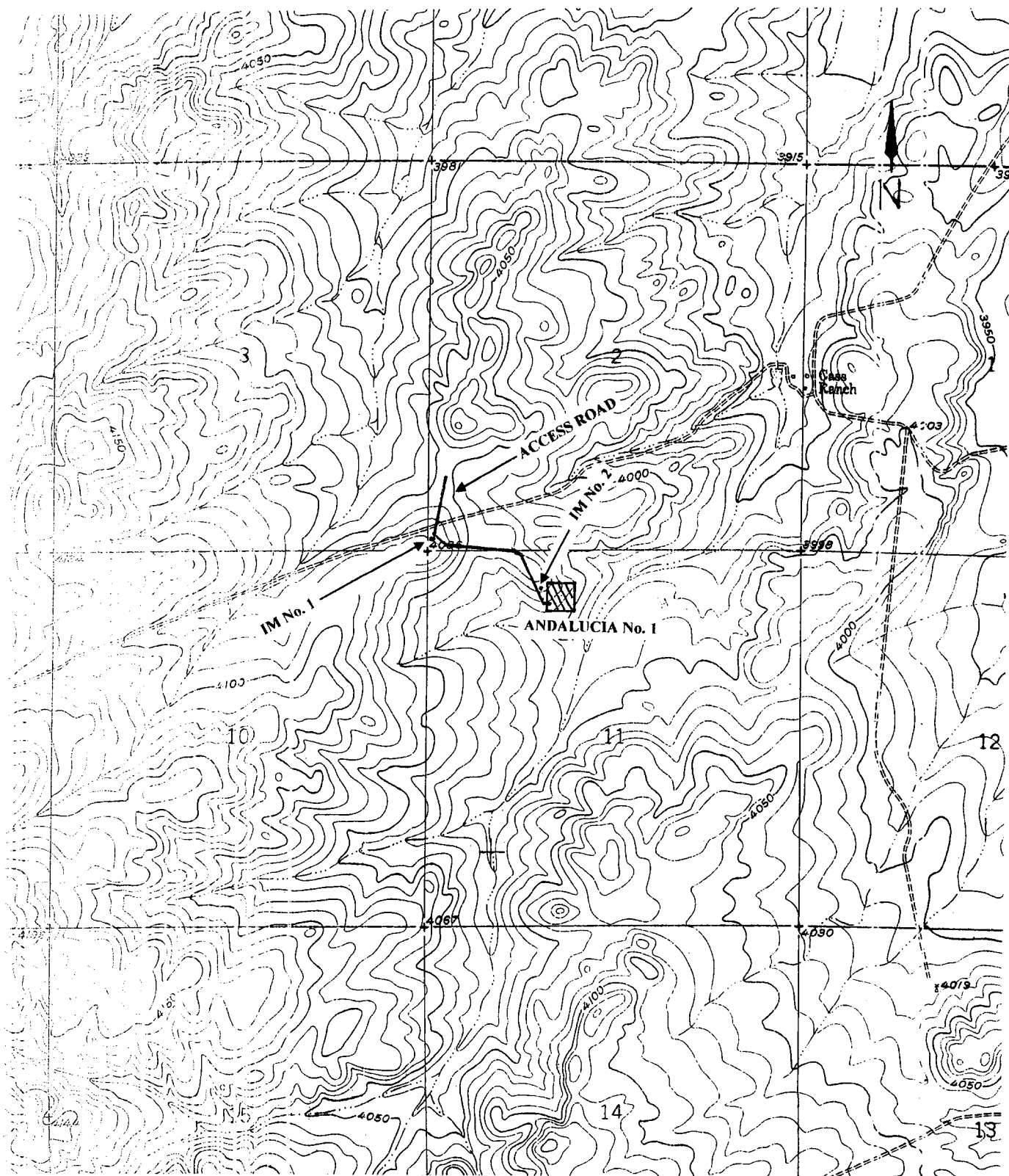
Responsible Archaeologist

Signature

*Danny Boone*

Date

*7-30-02*



Location map for a well pad for the Andaluca "11" Fed Com well No. 1 for Dominion Oklahoma Texas E&P INC. in Section 11 and access road in Section 2 and 11, T 20S, R 23E, NMPM, Eddy County, New Mexico.

Map reference: USGS 7.5' Series; BOX CANYON RANCH, NM (1957) [PhotoInspected 1975] 32104-E6

34

SIEGREST DRAW UNIT



35

WANTELOPE SINK UNI



36

KEWANEE STATE COM



3

2

1

5280'

ANDALUCIA 11 FED COM #1

10

11

12

CC TANK UN



15

14

13



S.E. NEW MEXICO	
ANDALUCIA 11 FED COM #1	
Eddy Co., New Mexico	
Geo. D. Sappley	8/7/02
Tech. S. Swart	Scale 1:24000. File 11-20_23

4/20/99

## Patterson Drilling Company

Rig #75

7,000' - 15,000'

**DRAWWORKS**

Erewster N-75A, 1000 HP  
 Brake: Parmac Model 342 Hydromatic  
 1 1/4" Drilling Line - Crown-o-matic

**ENGINES**

Two 3412 Caterpillar engines, w/Torque  
 Converter, 450 HP each

**DERRICK**

Pyramid, 137", 571,000 lb rated capacity

**SUBSTRUCTURE**

Pyramid, 21' high, 500,000 lb rated capacity  
 KB - 23', Rotary Clearance 17.2

**MUD PUMPS**

Pump #1: Nat 9-P-100, 1000 HP w/Cat 389  
 Pump #2: Nat 9-P-100, 1000 HP w/Cat 389

**DRILL STRING**

12,000' 4-1/2" Drill Pipe  
 Other sizes of drill pipe and drill collars are  
 available

**BLOWOUT PREVENTERS**

3000# - 5000# working pressure as required

**MUD SYSTEM**

Two steel pits, 1000 bbl volume, 4 electric mud  
 agitators, two 5" x 6" centrifugal pumps powered  
 by two electric mtrs w 75/HP, Harrisburg 2-cone  
 desander, Brandt Linear Flow-line cleaner & 700  
 bbl Pre-mix system if needed

**MUD HOUSE**

10 x 40 Storage

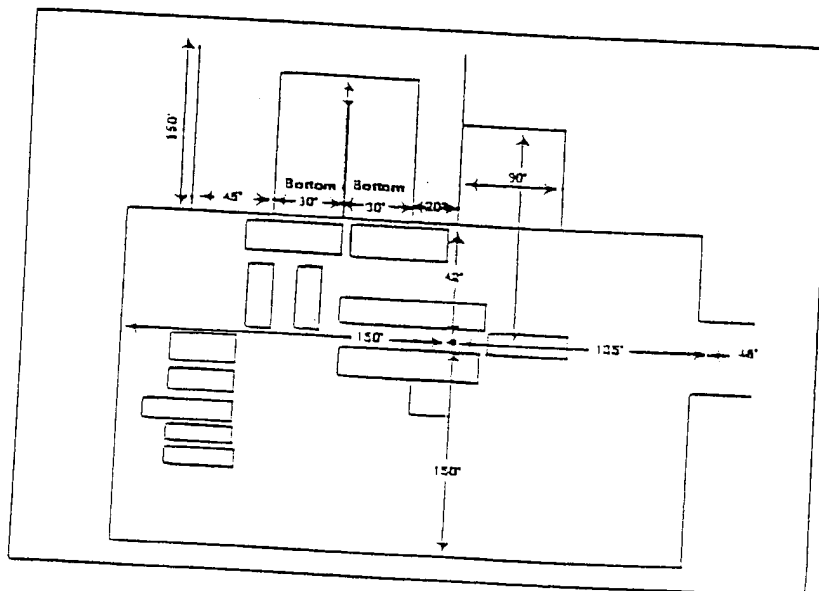
**COMMUNICATIONS**

24 hour direct cellular telephone

**OTHER EQUIPMENT**

Blocks. Gardner Denver 300 Ton  
 Hook. Unitized  
 Swivel. Emsco LB 300  
 Rotary Table. National 27 1/2"  
 Shale Shaker. Brandt Linear Flow-line Cleaner  
 Electrical Power. Two 320-kw w/3406  
 Fresh Water Storage. Two 500 bbl tanks  
 Housing.  
 Kelly. 5 1/4 Hex, 46' Long

"Hole Requirements will dictate actual Reserve Pit size (TOOLPUSHER SHOULD BE CONSULTED)"




Rig 75

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

Operator name: Dominion Oklahoma Texas Exploration & Production, Inc.  
Street or Box: 14000 Quail Springs Parkway, Suite 600  
City, State: Oklahoma City, OK  
Zip: 73134

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.: NMNM - 108942  
Legal Description of Land: Sec. 11-20S-23E, Eddy County, NM  
Formation(s) (if applicable): Morrow  
Bond Coverage: Nationwide  
BLM Bond File No.: CO-1050

Authorized Signature:   
Title: Regulatory Specialist  
Date: August 26, 2002