STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RECEIVED
JUN 11 1983
O. C. D.
ARTESIA, OFFICE

Form C-101
Revised 10-1-78

5A. Indicate Type of Lease STATE [X] FEE [ ]
5. State Oil & Gas Lease No. Lg. 5491

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well
DRILL [X] DEEPEN [ ] PLUG BACK [ ]
OIL WELL [ ] GAS WELL [ ] OTHER Stratigraphic test SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. Unit Agreement Name

8. Farm or Lease Name: Iverson Estate A

2. Name of Operator: Phillips Petroleum Co.

9. Well No.: 1-36

3. Address of Operator: P.O. Box 2920 Casper, Wyoming 82602-2920

10. Field and Pool, or Wildcat: Wildcat- Permian Horquilla

4. Location of Well UNIT LETTER F LOCATED 2130 FEET FROM THE North LINE AND 2260 FEET FROM THE West LINE OF SEC. 36 TWP. 29S RGE. 15W NMPM

12. County: Hidalgo

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
12,000'	Permian Horquilla	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
4484' G.L.	blanket	Not Selected	7/15/83

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
26"	20"	133#	500'	± 750 sks.	Surface
17½"	13 3/8"	72# & 68#	3000'	±1750 sks.	Surface
12¼"	9 5/8"	40#	9000'	± 400 sks.	8000'
8½"	None Planned				

Drill a 12,000' Paleozoic stratigraphic exploratory test well with air. A diverter will be used to drill to 3000'. BOP's will be installed prior to drilling out of the13-3/8" casing per figure 7-3. BOP's will be tested in accordance with the attached Phillips Petroleum Company test procedures. Well information is confidential. The open hole logging and testing program has not been finalized at this time.

3 N.M.O.& G. Com.
1 G. Berk
1 J.L. Whitmire
1 File

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed _____ Title AREA MANAGER Date 7/7/83

(This space for State Use)

APPROVED BY _____ TITLE Original Signed By Leslie A. Clements Supervisor District II DATE JUL 12 1983

CONDITIONS OF APPROVAL, IF ANY:

All operations under attached Secretary-Director memorandum dated 3/29/68 only.

NEW XICO OIL CONSERVATION COMMISSIO

WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED
JUN 11 1983
O. C. D.
ARTESIA, OFFICE

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
Phillips Petroleum Co.	~~Lg. 5491~~ Iverson Estate A	~~A1~~ 36 ~~Iverson Estat~~

Unit Letter	Section	Township	Range	County
F	36	29 South	15 West	Hidalgo

Actual Footage Location of Well:
2130 feet from the North line and 2260 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
4484'	Permian - ~~N.A.~~ Horquilla	Wildcat - Permian ~~N.A.~~ Horquilla	N.A. Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. N.A.

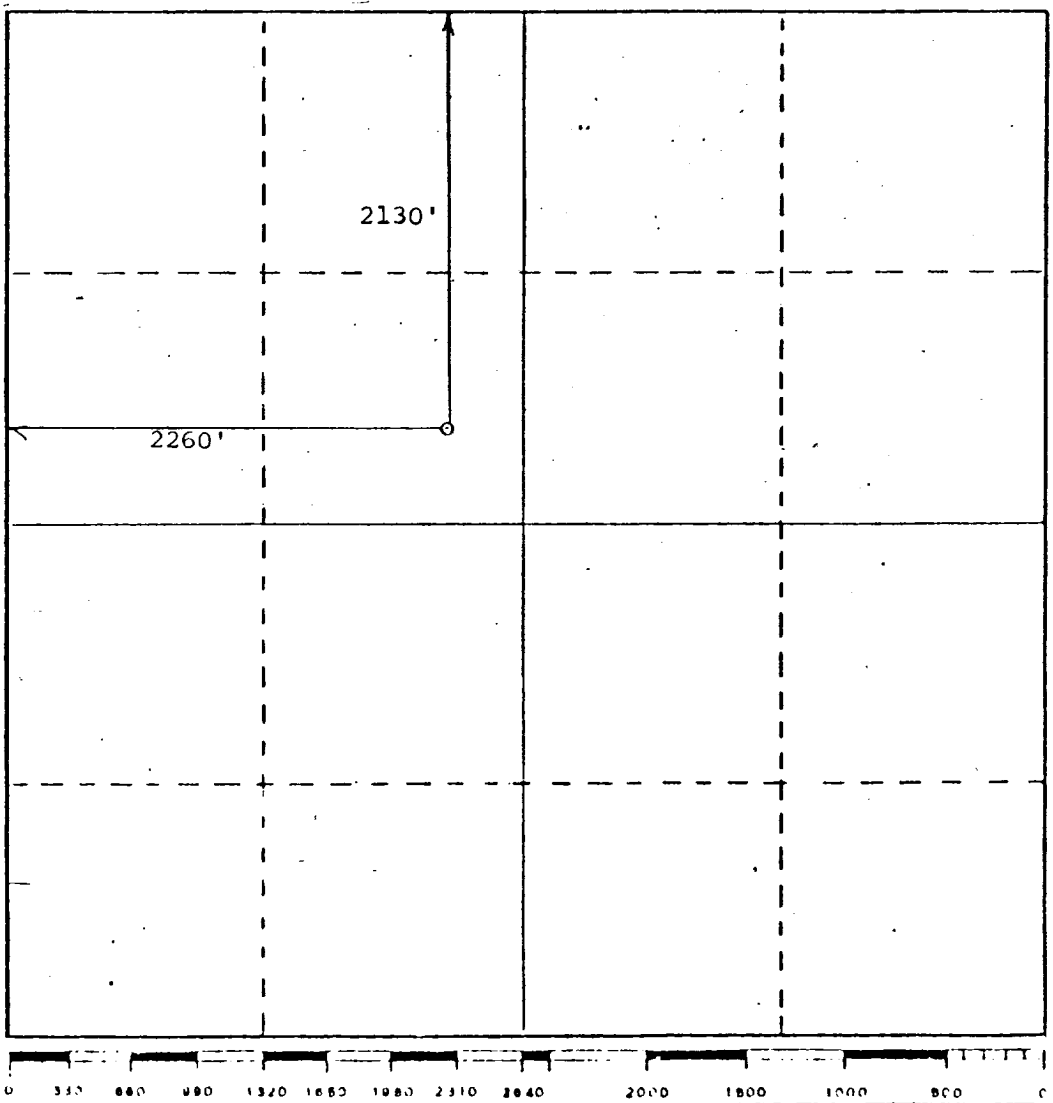
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). N.A.

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? N.A.

☐ Yes ☐ No If answer is "yes," type of consolidation N.A.

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) N.A.

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

A. E. Stuart

Name: A. E. Stuart

Position: Area Manager

Company: Phillips Petroleum Company

Date: July 7, 1983

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 knowledge and belief.

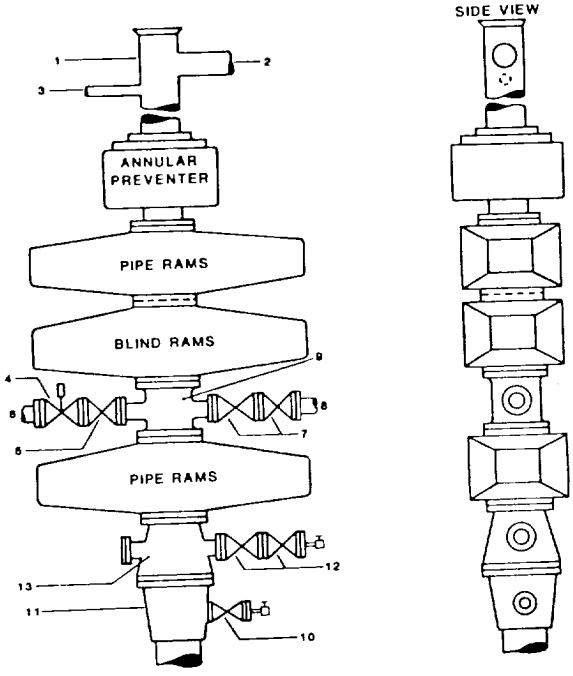
Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Gerald G. Huddleston

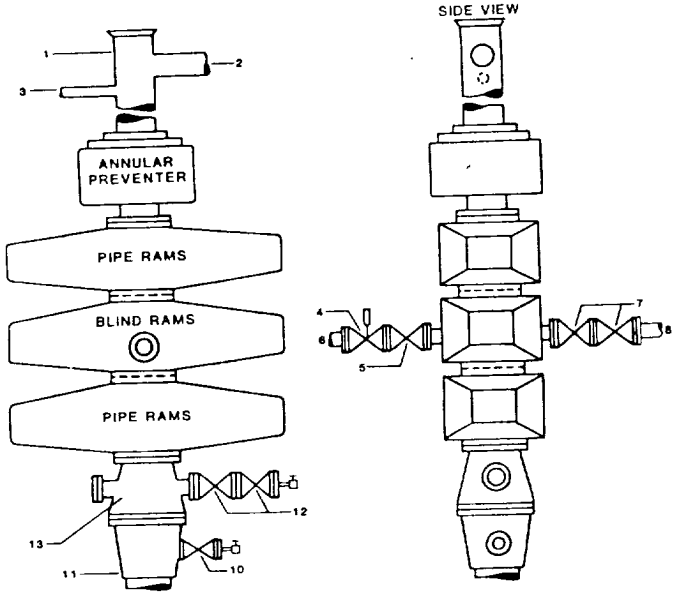
Certificate No. 6844

GERALD G. HUDDLESTON
NEW MEXICO
6844
REGISTERED LAND SURVEYOR



1. BELL NIPPLE
2. FLOW LINE
3. FILL-UP LINE
4. 3" FE PRESSURE- OPERATED CHOKE LINE VALVE
5. 3" FE GATE VALVE
6. 3"FE CHOKE LINE TO CHOKE MANIFOLD
7. 3" FE GATE VALVES
8. 2" FE KILL LINE
9. DRILLING SPOOL
10. 2" FE OR SE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING
12. 2" FE GATE VALVES WITH NEEDLE VALVE
13. CASING SPOOL

Figure 7-3. Standard Blowout Preventer Assembly (5 M Working Pressure) Alternative 1



1. BELL NIPPLE
2. FLOW LINE
3. FILL-UP LINE
4. 3" FE PRESSURE-OPERATED CHOKE LINE VALVE
5. 3" FE GATE VALVE
6. 3" FE CHOKE LINE TO CHOKE MANIFOLD
7. 2" FE GATE VALVES
8. 2" FE KILL LINE
10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING
12. 2" FE GATE VALVES WITH NEEDLE VALVE
13. CASING SPOOL

Figure 7-4. Standard Blowout Preventer Assembly (5 M Working Pressure) Alternative 2 (without Drilling Spool)

7.6 Testing Surface Blowout Preventer Equipment

7.6.1 Pressure Test Frequency

All rams, annulars, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves shall be pressure tested at the following frequencies:

(1) Initial installation of blowout preventers.

(2) After setting casing, before drilling cement.

(3) Every 7 days or on first trip out of hole after 7 days since previous pressure test.

(4) After any component of the blowout preventer assembly is disturbed, replaced or repaired (this includes lines, valves, or choke manifold). In this case, the component changed may be the only component tested.

(5) Prior to conducting first drill stem test in a series of one or more DST's.

(6) Any time the Phillips Wellsite Supervisor deems necessary, such as prior to drilling into suspected high pressure zones.

7.6.2 Function Test Frequency

All rams, annulars, valves, and other items specified below, shall be function tested at the following frequencies.

(1) On initial installation from driller control and remote panel.

(2) Each trip out of hole alternating between driller's and remote control panel but not more than once every twenty-four (24) hours. Close pipe rams or annular preventer ONLY on drill pipe.

7.6.3 Test Pressures

Use the following table to identify which test is appropriate and at what pressure.

TEST	DESCRIPTION
Low Pressure	Test to 200-300 psi prior to each high pressure test.
Initial Installation	Test all rams, annulars, valves, choke manifold, kelly cocks, and safety valves to the lesser of the following pressures. . Rated working pressure of the component in the blowout preventer assembly with the exception of annular preventer which is to be tested to 70% of the rated working pressure. . The API rated casing burst pressure of the last casing to be utilized in the well with the BOP assembly being tested. . Rated working pressure of the casing head. . If "Cup Tester" is used do not exceed 80% of the API rated burst pressure of the casing.
Repair	Repaired or replaced components are to be tested to the same pressures used in the Initial Test.

7.6.3, cont'd

TEST	DESCRIPTION
Weekly and After Setting Casing	Test all rams, annulars, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves, to the lesser of the following pressures. • 50% of the rated working pressure of the component to be tested. • 80% of the API rating of the casing burst pressure then in the well. • Test blind rams during internal casing pressure test. (Refer to drilling program for test pressures).
DST Operations	Test all pipe rams, annular preventers, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves to the maximum anticipated surface pressure expected while conducting drill stem tests. Do not test annular to more than 70% of its working pressure.
Shallow Casing	Where cased hole is less than 2000 feet measured depth, the test pressure may be 1.5 psi per foot of casing depth, not to exceed 80% of the API rated burst pressure. In the case of shallow conductor casing or drive pipe (500 feet or less) that is equipped with one BOP, then the test pressures do not need to exceed 1.0 psi per foot of casing depth.
Accumulator	Test accumulator to the manufacturer's rated working pressure. Test the accumulator for time to pump up to specifications.

7.6.4 Blowout Preventer Test Practices

(1) All pressure tests shall be witnessed by Phillips' Representative and the Contractor's Senior Supervisor on Location. All tests shall be recorded on the Phillips' Daily Drilling Report, the IADC Report and the BOP Test Form; see Figure 7-13. A reproducible copy of the BOP Test Form (Figure 7-13) can be found in Section III.

7.6.4, cont'd

(2) Hold all low pressure tests for three minutes and high pressure tests for five minutes or until Phillips Representative and the Contractor's Senior Supervisor are satisfied no leaks exist.

(3) A detail procedure for the testing of blowout preventer and choke manifold equipment will be included in the drilling programs. The procedure is to be distributed for each drilling unit under contract by the operating office. Each operating office must include the following practices:

a. Prior to testing, all lines and valves will be thoroughly flushed to ensure the system is clear. Test all opening and closing control lines to 1500 psi and inspect for leaks.

b. If necessary, run a stand of drill collars below the test plug to prevent unseating the test tool during testing.

c. All precautions must be taken to avoid pressuring the casing below the test tool.

d. The running string is to be full of water (or antifreeze solution) for immediate indication of test tool leakage.

e. All pipe rams, blind/shear rams, blind rams, annular preventers, valves, fail-safe valves, choke and kill lines are to be tested at the frequencies and pressures outlined in this section.

f. Drill pipe safety valve, lower and upper kelly cocks are to be tested from below at pressures and frequencies outlined in this section.

g. All test fluids are to be bled back to the pump unit in safe manner.

7.6.5 Testing Wellhead Pack-offs

The wellhead pack-off is to be pressure tested upon installation for five minutes. Test pressure is to be 80% API rated casing collapse or the rated working pressure of the casing head whichever is the lesser. Casing annulus valve(s) must be in open position to prevent casing collapse during pack-off testing.

When testing the wellhead pack-off, use recorded test pressures and volumes to determine if pack-off is leaking. Pressure should be immediately released at the first indication of a leak.

PHILLIPS PETROLEUM COMPANY

Access

The distance from Hachita, New Mexico is 18.7 miles. From Hachita take State Highway 81 southerly 11.5 miles to Wildlife Area sign; go S.E.'erly on Hatchet ranch road 4.7 miles; go E. and N.E.'erly on one lane car trail 2.5 miles to location.

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ARTESIA, OFFICE

Form C-101
Revised 10-1-78

5A. Indicate Type of Lease STATE [X] FEE [ ]

5. State Oil & Gas Lease No. Lg. 5491

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well: DRILL [X] DEEPEN [ ] PLUG BACK [ ]
OIL WELL [ ] GAS WELL [ ] OTHER Stratigraphic test SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. Unit Agreement Name

8. Farm or Lease Name: Iverson Estate A

2. Name of Operator: Phillips Petroleum Co.

9. Well No.: 1-36

3. Address of Operator: P.O. Box 2920 Casper, Wyoming 82602-2920

10. Field and Pool, or Wildcat: Wildcat

4. Location of Well: UNIT LETTER F LOCATED 2130 FEET FROM THE North LINE AND 2260 FEET FROM THE West LINE OF SEC. 36 TWP. 29S RGE. 15W NMPM

12. County: Hidalgo

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
12,000'	Permian Horquilla	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
4484' G.L.	blanket	Not Selected	7/15/83

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PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
26"	20"	133#	500'	± 750 sks.	Surface
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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed R E Stutz Title AREA MANAGER Date 7/7/83

(This space for State Use)

APPROVED BY _____ TITLE Original Signed By Leslie A. Clements Supervisor District II DATE JUL 12 1983

CONDITIONS OF APPROVAL, IF ANY:

Approval Conditional under attached Secretary-Director memorandum dated 3/29/68 only.

NEW XICO OIL CONSERVATION COMMISSION RECEIVED

WELL LOCATION AND ACREAGE DEDICATION P T

JUN 11 1983

O. C. D.
ARTESIA, OFFICE

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
Phillips Petroleum	Lg. 5491	A1-36 Iverson Estate

Unit Letter	Section	Township	Range	County
F	36	29 South	15 West	Hidalgo

Actual Footage Location of Well:
2130 feet from the North line and 2260 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
4484'	N.A.	N.A.	N.A. Acres

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☐ Yes ☐ No If answer is "yes," type of consolidation N.A.

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) N.A.

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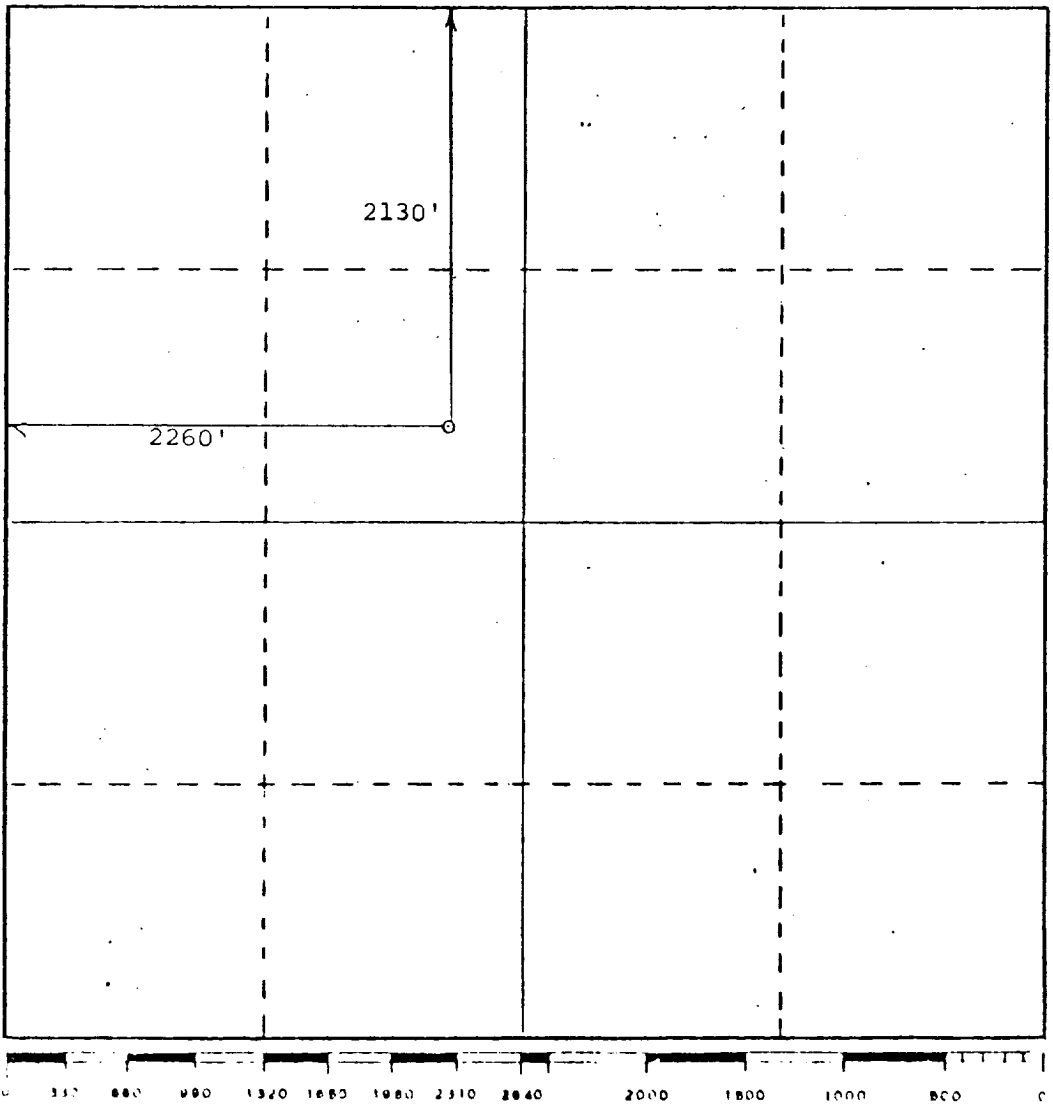

CERTIFICATION

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

Name: A. E. Stuart

Position: Area Manager

Company: Phillips Petroleum Company

Date: July 7, 1983

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 knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

GERALD G. HUDDLESTON
NEW MEXICO
6844
REGISTERED LAND SURVEYOR