

AMEND WFX 2/3/97



ENERGY OPERATING CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611
FAX 405/552-4550

January 14, 1997

Certified Mail P 619 404 426

NM Oil Conservation Division
2040 S. Pacheco St.
Santa Fe, NM 87505

JAN 17 1997

Re: Revision To Administrative Order No. WFX-679
Grayburg-Jackson Waterflood Project
Eddy County, NM

Dear Sir:

Please accept our request to amend Administrative Order No. WFX-679 to include the following wells:

- | | | |
|-----------------------|-----------------------|-----------------------|
| (1) H.E. West "B" #94 | (2) H.E. West "B" #95 | (3) H.E. West "B" #96 |
| 440'FNL & 1980'FEL | 1780'FNL & 1980'FWL | 1980'FSL & 460'FWL |
| Sec 10-T17S-R31E | Sec 4-T17S-R31E | Sec 4-T17S-R31E |
| Eddy County, NM | Eddy County, NM | Eddy County, NM |

These wells are proposed redrills of H.E. West "B" #1, H.E. West "B" #5, and H.E. West "B" #7 respectfully. The replacement wells are necessary due to the poor mechanical integrity of the production casing in the existing wells. The existing wells will be subsequently plugged and abandoned.

Also of note, because of the locations of each replacement well, no additional offset wells fall within the "Area of Review"; therefore, no additional offset well information was provided.

Please direct any questions regarding this matter to the undersigned at (405) 552-4528.

Sincerely,
Devon Energy Corporation

Charles H. Carleton
Senior Engineering Technician

/chc
enclosures
xc: Well File

DEVON ENERGY OPERATING CORPORATION
APPLICATION FOR AUTHORITY TO INJECT
GRAYBURG-JACKSON WATERFLOOD

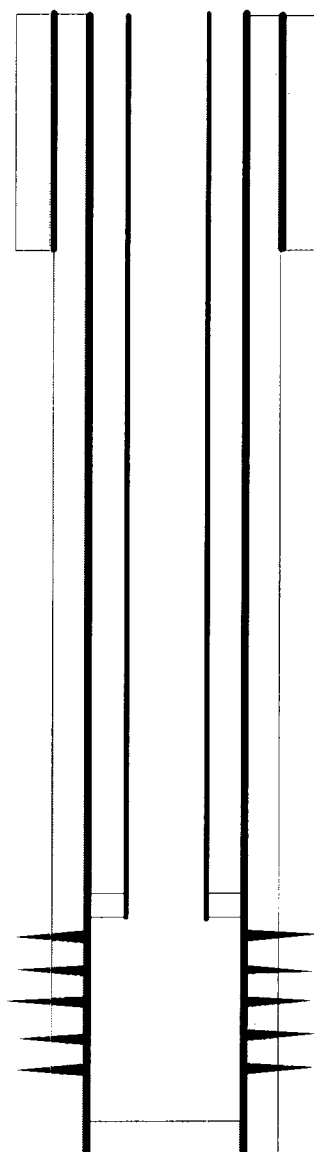
III **Well Data:**

- A. (1) H.E. West "B" #94
 440'FNL & 1980'FEL
 Section 10-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 8 5/8" 24# J-55 ST&C @ 425'. TOC @ surface
 Hole Size = 12 1/4"
- Production Casing:
 5 1/2" 15.5# J-55 LT&C @ 4250'. TOC @ surface
 Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3150'.
- (4) 5 1/2" Baker AD-1 tension packer set at 3150'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 3200'- 4150'(OA). **The injection interval is 3200'- 4150'.**
- (3) This well will be drilled and completed as an injection well, injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 3200'- 4150' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #94				FIELD: GRAYBURG-JACKSON		
LOCATION: 440'FNL & 1980'FEL, SEC 10-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=UNK; KB=UNK				SPUD DATE:		COMP DATE:
API#: 30-015-		PREPARED BY: C.H. CARLETON				DATE: 01/08/97
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 425'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4250'	5 1/2"	15.5#	J-55	ST&C	7 7/8"
CASING:						
TUBING:	0' - 3150'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, CEMENT TO SURFACE.

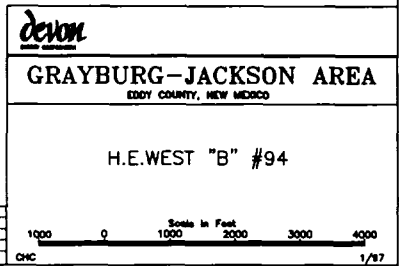
INJECTION INTERVAL: 3200' - 4150'

BAKER AD-1 PACKER @ 3150'

PERFORATIONS: 3200' - 4150' (OA)

5 1/2" CASING, CEMENT TO SURFACE.

TD @ 4250'

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**DEVON ENERGY OPERATING CORPORATION
APPLICATION FOR AUTHORITY TO INJECT
GRAYBURG-JACKSON WATERFLOOD**

III Well Data:

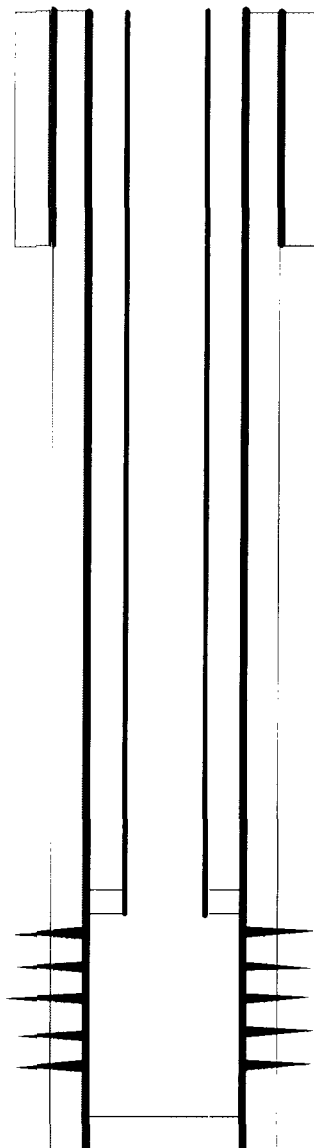
- A. (1) H.E. West "B" #95
1780'FNL & 1980'FWL
Section 4-T17S-R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 24# J-55 ST&C @ 425'. TOC @ surface
Hole Size = 12 1/4"
- Production Casing:
5 1/2" 15.5# J-55 LT&C @ 4100'. TOC @ surface
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3000'.
- (4) 5 1/2" Baker AD-1 tension packer set at 3000'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 3050'- 4000'(OA). **The injection interval is 3050'- 4000'.**
- (3) This well will be drilled and completed as an injection well, injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 3050'- 4000' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #95			FIELD: GRAYBURG-JACKSON		
LOCATION: 1780'FNL & 1980'FWL, SEC 4-T17S-R31E			COUNTY: EDDY	STATE: NM	
ELEVATION: GL=UNK; KB=UNK			SPUD DATE:	COMP DATE:	
API#: 30-015-		PREPARED BY: C.H. CARLETON			DATE: 01/08/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 425'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4100'	5 1/2"	15.5#	J-55	ST&C	7 7/8"
CASING:						
TUBING:	0' - 3000'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, CEMENT TO SURFACE.

INJECTION INTERVAL: 3050'- 4000'

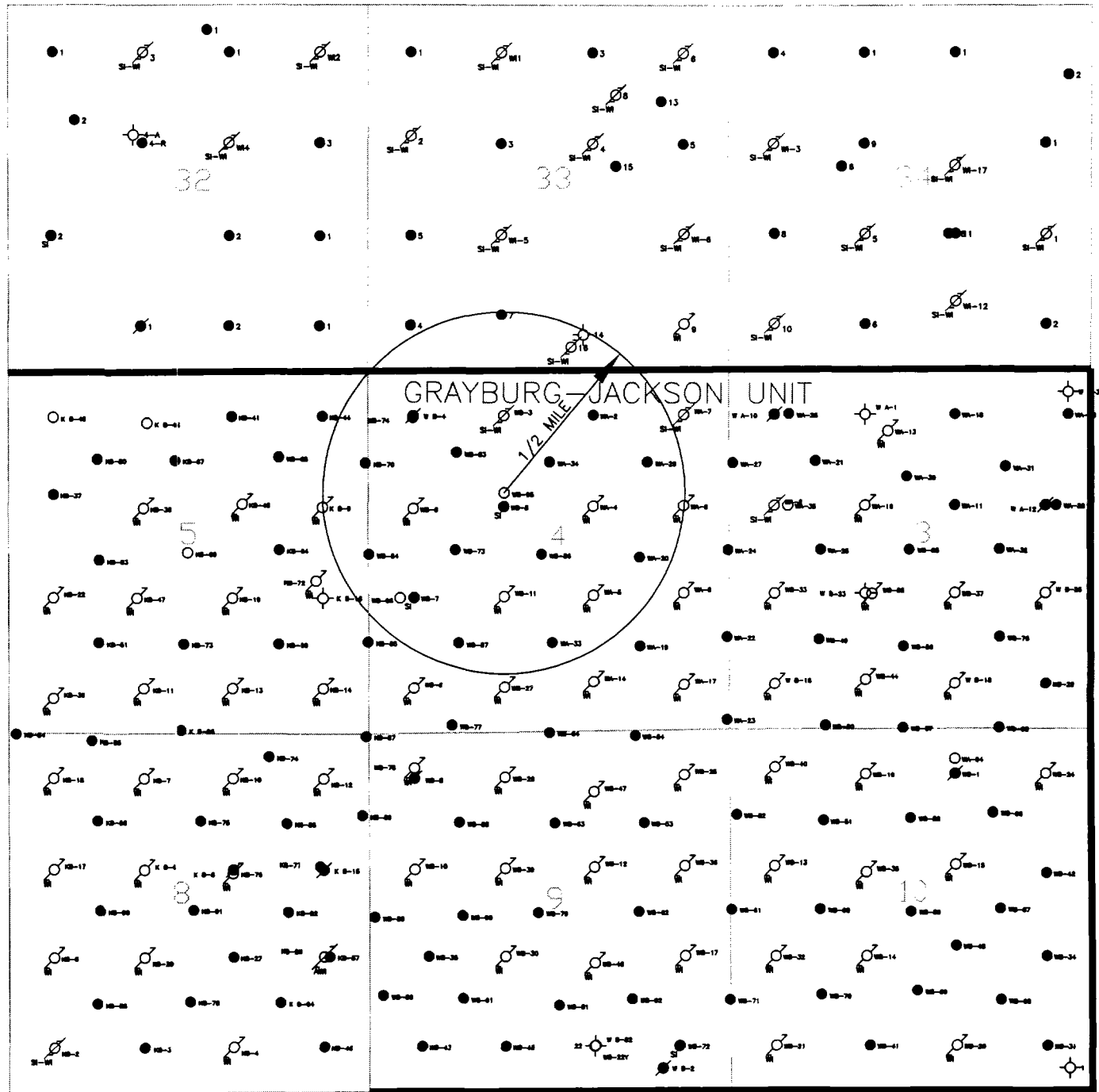
BAKER AD-1 PACKER @ 3000'

PERFORATIONS: 3050'- 4000' (OA)

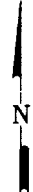
5 1/2" CASING, CEMENT TO SURFACE.

TD @ 4100'

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WEST-BASE	

devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

H.E. WEST "B" #95

Scale in Feet
1000 0 1000 2000 3000 4000

DHC 1/97

DEVON ENERGY OPERATING CORPORATION
APPLICATION FOR AUTHORITY TO INJECT
GRAYBURG-JACKSON WATERFLOOD

III **Well Data:**

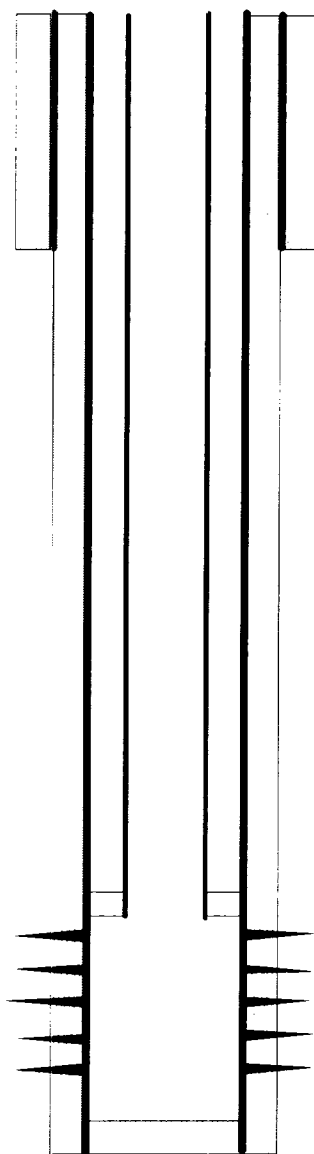
- A. (1) H.E. West "B" #96
 1980'FSL & 460'FWL
 Section 4-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 8 5/8" 24# J-55 ST&C @ 425'. TOC @ surface
 Hole Size = 12 1/4"
- Production Casing:
 5 1/2" 15.5# J-55 LT&C @ 3865'. TOC @ surface
 Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3050'.
- (4) 5 1/2" Baker AD-1 tension packer set at 3050'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 3103'- 3765'(OA). **The injection interval is 3103'- 3765'.**
- (3) This well will be drilled and completed as an injection well, injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 3103'- 3765' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #96		FIELD: GRAYBURG-JACKSON	
LOCATION: 1980'FSL & 460'FWL, SEC 4-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=UNK; KB=UNK		SPUD DATE:	COMP DATE:
API#: 30-015-	PREPARED BY: C.H. CARLETON		DATE: 01/08/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 425'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3865'	5 1/2"	15.5#	J-55	ST&C	7 7/8"
CASING:						
TUBING:	0' - 3050'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, CEMENT TO SURFACE.

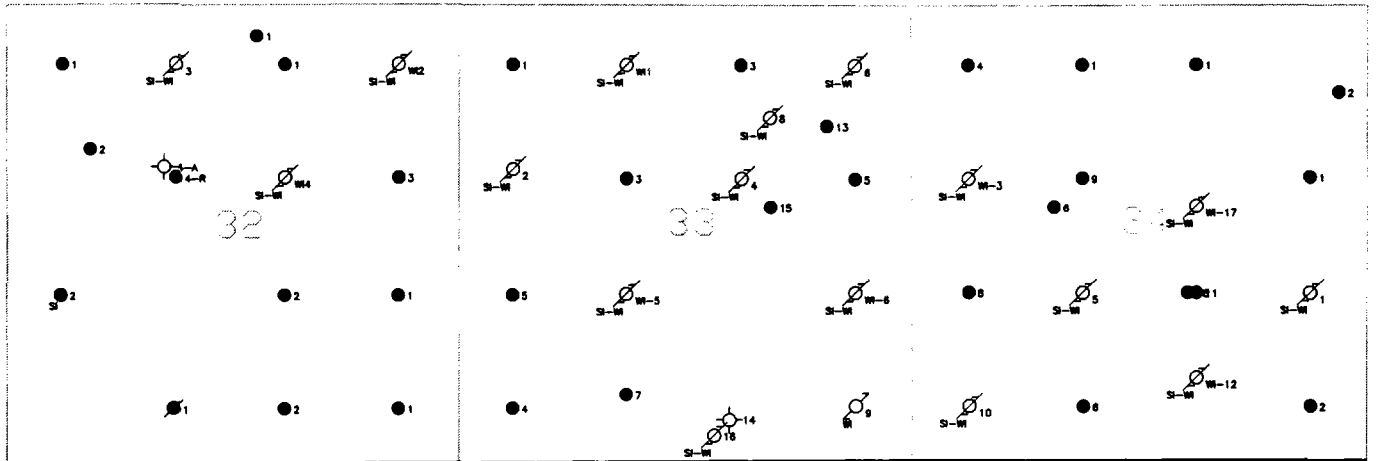
INJECTION INTERVAL: 3103'- 3765'

BAKER AD-1 PACKER @ 3050'

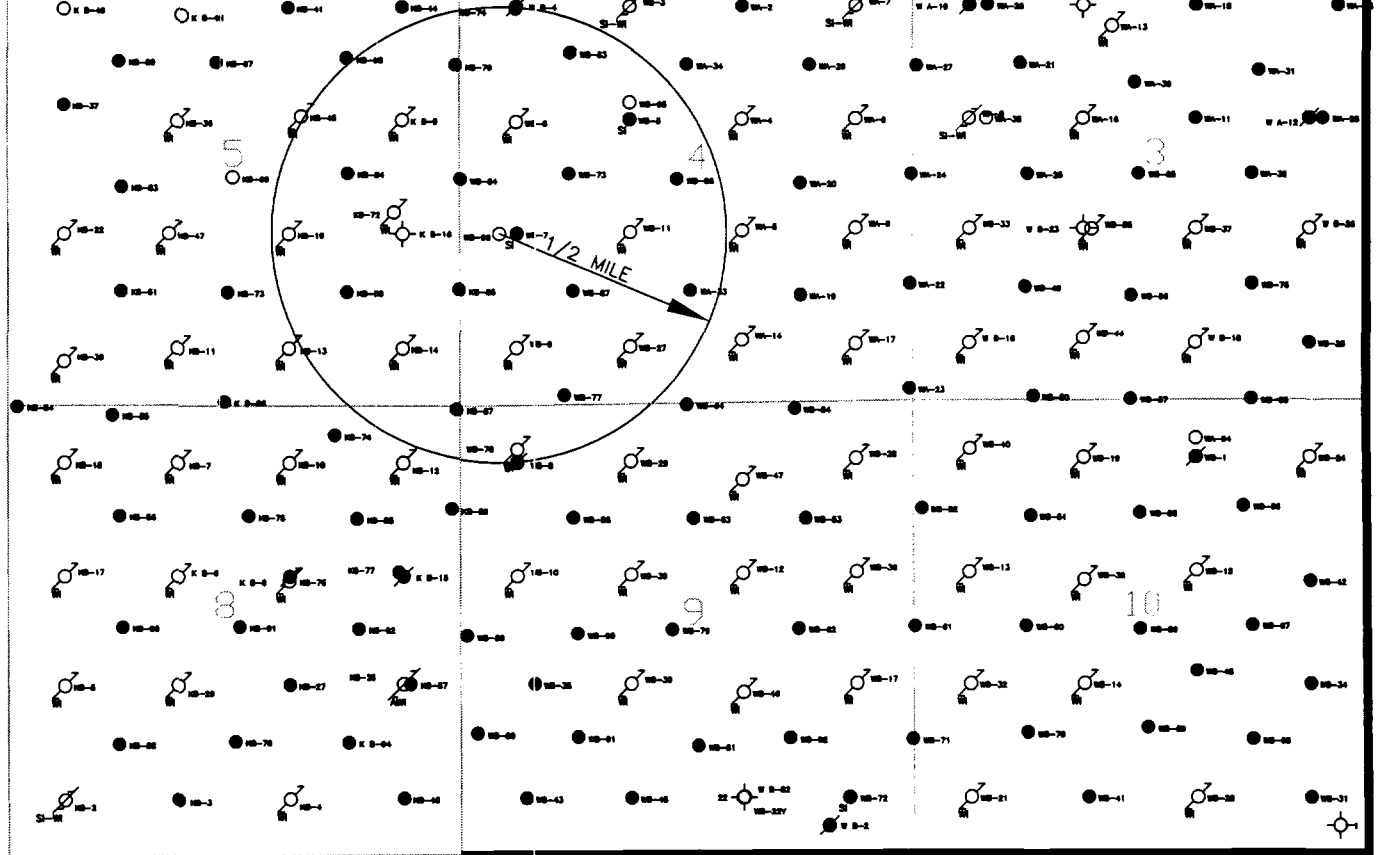
PERFORATIONS: 3103'- 3765' (OA)

5 1/2" CASING, CEMENT TO SURFACE.
TD @ 3865'

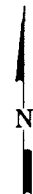
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GRAYBURG-JACKSON UNIT



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GRAYBURG-JACKSON AREA
CROFT COUNTY, NEW MEXICO

H.E. WEST "B" #96

WEST-B96	

